



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 01 CARRIAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
01-01-a	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : First 50 Meter or 164 ft	164 Rft	0.00	89.90	50 Meter	0.00	89.90	1 , 1.5	
01-01-b	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : Second 50 Meter or 164 ft	164 Rft	0.00	17.14	50 Meter	0.00	17.14	1 , 1.5	
01-01-c	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet	164 Rft	0.00	11.09	50 Meter	0.00	11.09	1 , 1.5	
01-01-d	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter	800 Rft	0.00	49.91	250 meter	0.00	49.91	1 , 1.5	
01-01-e	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 2nd Km or corresponding distance in miles	0.6 Mile	0.00	159.81	1 Km	0.00	159.81	1 , 1.5	
01-01-f	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles	1 Mile	0.00	105.36	1.61 km	0.00	105.36	1 , 1.5	
01-01-g	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles	1 Mile	0.00	87.55	1.61 km	0.00	87.55	1 , 1.5	
01-01-h	Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles	1 Mile	0.00	53.44	1.61 km	0.00	53.44	1 , 1.5	
01-02-a	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : First 50 Meter or 164 ft	164 Rft	0.00	60.81	50 Meter	0.00	60.81	1 , 1.5	
01-02-b	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : Second 50 Meter or 164 ft	164 Rft	0.00	13.05	50 Meter	0.00	13.05	1 , 1.5	
01-02-c	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet	164 Rft	0.00	8.69	50 Meter	0.00	8.69	1 , 1.5	
01-02-d	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : 250 -1000 Meter	800 Rft	0.00	43.49	250 meter	0.00	43.49	1 , 1.5	
01-02-e	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : 2nd Km or corresponding distance in miles	0.6 Mile	0.00	130.40	1 km	0.00	130.40	1 , 1.5	
01-02-f	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles	1 Mile	0.00	83.91	1.61 km	0.00	83.91	1 , 1.5	
01-02-g	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles	1 Mile	0.00	69.96	1.61 km	0.00	69.96	1 , 1.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
01-02-h	Carriage of 1000 bricks or load upto 3 tonne , by truck or other means : beyond 10th Kilometer or corresponding distance in miles	1 Mile	0.00	41.99	1.61 km	0.00	41.99	1 , 1.5	
01-03-a	Carriage of 100 nos, 50 kg cement bags , by truck or other means : First 50 Meter or 164 ft	164 Rft	0.00	90.74	50 Meter	0.00	90.74	1 , 1.5	
01-03-b	Carriage of 100 nos, 50 kg cement bags , by truck or other means : Second 50 Meter or 164 ft	164 Rft	0.00	19.45	50 Meter	0.00	19.45	1 , 1.5	
01-03-c	Carriage of 100 nos, 50 kg cement bags , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet	164 Rft	0.00	12.65	50 Meter	0.00	12.65	1 , 1.5	
01-03-d	Carriage of 100 nos, 50 kg cement bags , by truck or other means : 250 -1000 Meter	800 Rft	0.00	56.86	250 meter	0.00	56.86	1 , 1.5	
01-03-e	Carriage of 100 nos, 50 kg cement bagse , by truck or other means : 2nd Km or corresponding distance in miles	0.6 Mile	0.00	170.76	1 km	0.00	170.76	1 , 1.5	
01-03-f	Carriage of 100 nos, 50 kg cement bags , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles	1 Mile	0.00	109.97	1.61 km	0.00	109.97	1 , 1.5	
01-03-g	Carriage of 100 nos, 50 kg cement bags , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles	1 Mile	0.00	91.61	1.61 km	0.00	91.61	1 , 1.5	
01-03-h	Carriage of 100 nos, 50 kg cement bags , by truck or other means : beyond 10th Kilometer or corresponding distance in miles	1 Mile	0.00	54.91	1.61 km	0.00	54.91	1 , 1.5	
01-04-a	Carriage of bitumen , tar or other lubricansts in drums - one tonne : First 50 Meter or 164 ft	164 Rft	0.00	16.80	50 Meter	0.00	16.80	1 , 1.5	
01-04-b	Carriage of bitumen , tar or other lubricansts in drums - one tonne : Second 50 Meter or 164 ft	164 Rft	0.00	3.64	50 Meter	0.00	3.64	1 , 1.5	
01-04-c	Carriage of bitumen , tar or other lubricansts in drums - one tonne : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet	164 Rft	0.00	2.42	50 Meter	0.00	2.42	1 , 1.5	
01-04-d	Carriage of bitumen , tar or other lubricansts in drums - one tonne : 250 -1000 Meter	800 Rft	0.00	12.28	250 meter	0.00	12.28	1 , 1.5	
01-04-e	Carriage of bitumen , tar or other lubricansts in drums - one tonne : 2nd Km or corresponding distance in miles	0.6 Mile	0.00	36.36	1 km	0.00	36.36	1 , 1.5	
01-04-f	Carriage of bitumen , tar or other lubricansts in drums - one tonne: 3rd to 5th Kilometer or corresponding distance in miles	1 Mile	0.00	23.49	1.61 km	0.00	23.49	1 , 1.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
01-04-g	Carriage of bitumen , tar or other lubricants in drums - one tonne : 6th to 10th Kilometer or corresponding distance in miles	1 Mile	0.00	19.47	1.61 km	0.00	19.47	1 , 1.5	
01-04-h	Carriage of bitumen , tar or other lubricants in drums : beyond 10th Kilometer or corresponding distance in miles	1 Mile	0.00	11.66	1.61 km	0.00	11.66	1 , 1.5	
01-05-a	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 1st 50 meter or 164.042 ft	164 Rft	0.00	42.69	50 Meter	0.00	42.69	1 , 1.5	100
01-05-b	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 2nd 50 meter or 164.042 ft	164 Rft	0.00	12.80	50 Meter	0.00	12.80	1 , 1.5	
01-05-c	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 3rd to 5th 50 meter or 164.042 ft	164 Rft	0.00	7.69	50 Meter	0.00	7.69	1 , 1.5	
01-05-d	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 250 -1000 Meter	800 Rft	0.00	26.91	250 meter	0.00	26.91	1 , 1.5	
01-05-e	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 2nd Kilometer	0.6 Mile	0.00	86.08	1 km	0.00	86.08	1 , 1.5	
01-05-f	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 3rd to 5th Km or corresponding distance in miles	1 Mile	0.00	55.46	1.61 km	0.00	55.46	1 , 1.5	
01-05-g	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 6th to 10th Km or corresponding distance in miles	1 Mile	0.00	38.79	1.61 km	0.00	38.79	1 , 1.5	
01-05-h	Carriage of 100 cft of sarkanda, pilchi, frash etc. by road or boat : 11th subsequent Km or corresponding distance in miles	1 Mile	0.00	32.91	1.61 km	0.00	32.91	1 , 1.5	
01-06-a	Carriage of small consignments upto 250 kg : First 164.042 ft or 50 meter	164 Rft	0.00	5.59	50 Meter	0.00	5.59	1 , 1.5	For consignment weighing over 250 kg, the rate shall be increased on pro-rate basis.
01-06-b	Carriage of small consignments upto 250 kg : Second 164.042 ft or 50 meter	164 Rft	0.00	1.68	50 Meter	0.00	1.68	1 , 1.5	
01-06-c	Carriage of small consignments upto 250 kg : 3rd to 5th 164.042 ft or 50 meter	164 Rft	0.00	1.00	50 Meter	0.00	1.00	1 , 1.5	
01-06-d	Carriage of small consignments upto 250 kg : 250 - 1000 meter	800 Rft	0.00	3.52	250 meter	0.00	3.52	1 , 1.5	
01-06-e	Carriage of small consignments upto 250 kg : 2nd Kilometer	0.6 Mile	0.00	11.27	1 km	0.00	11.27	1 , 1.5	
01-06-f	Carriage of small consignments upto 250 kg : 3rd to 5th Km or corresponding distance in miles	1 Mile	0.00	7.25	1.61 km	0.00	7.25	1 , 1.5	
01-06-g	Carriage of small consignments upto 250 kg : 6th to 10th Km or corresponding distance in miles	1 Mile	0.00	5.09	1.61 km	0.00	5.09	1 , 1.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
01-06-h	Carriage of small consignments upto 250 kg : 11th and subsequent Kilometer or beyond 6.2137 miles	1 Mile	0.00	4.31	1.61 km	0.00	4.31	1 , 1.5	
01-07-a	Carriage of consignments (odd job) : Coolie load	1 Mile	118.28	118.28	1.61 km	118.28	118.28	1 , 1.4	
01-07-b	Carriage of consignments (odd job) : Donky load	1 Mile	0.00	49.04	1.61 km	0.00	49.04	1 , 1.4	
01-07-c	Carriage of consignments (odd job) : Cart load	1 Mile	0.00	43.49	1.61 km	0.00	43.49	1 , 1.4	
01-07-d	Carriage of consignments (odd job) : Camel load	1 Mile	0.00	98.08	1.61 km	0.00	98.08	1 , 1.4	
01-08-a	Hire Charges of Truck	Day	0.00	8,126.00	Day	0.00	8,126.00		a) This item shall be allowed with prior concurrence of Superintending Engineer b) The rate includes pay of driver and cleaner only. The cost of repairs shall be borne by the owner and the cost of POL, loading/unloading shall be paid by the borrower .
01-08-b	Hire charges of Tractor with trolley	Day	0.00	7,093.71	Day	0.00	7,093.71	1.8	
01-08-c	Hire charges of Tractor without trolley	Day	0.00	6,529.48	Day	0.00	6,529.48	1.8	
01-08-d	Hire charges of Tractor with trolley for one trip including loading, unloading and haulage 10-20 Kms	1 Trip	0.00	3,103.50	1 trip	0.00	3,103.50		
01-08-e	Hire charges of Tractor with trolley for one trip including loading, unloading and haulage 5 to 10 Kms	1 Trip	0.00	2,216.78	1 trip	0.00	2,216.78		
01-08-f	Hire charges of Tractor with trolley for one trip including loading, unloading and haulage upto 4 Kms	1 Trip	0.00	1,551.75	1 trip	0.00	1,551.75		
01-09-a	Hand shunting loaded railway wagons Upto 500 meter	Each	1,102.50	1,102.50	Each	1,102.50	1,102.50	1.1	
01-09-b	Hand shunting loaded railway wagons Upto 1 kilometer	Each	1,653.75	1,653.75	Each	1,653.75	1,653.75	1.1	
01-09-c	Hand shunting loaded railway wagons Upto 2 kilometer	Each	2,021.25	2,021.25	Each	2,021.25	2,021.25	1.1	
01-09-d	Hand shunting loaded railway wagons 3rd & subsequent kilometer	Each	918.75	918.75	Each	918.75	918.75	1.1	
01-10-a	Hand shunting empty railway wagons Upto 500 meter	Each	551.25	551.25	Each	551.25	551.25	1.1	
01-10-b	Hand shunting empty railway wagons Upto 1 kilometer	Each	826.88	826.88	Each	826.88	826.88	1.1	
01-10-c	Hand shunting empty railway wagons Upto 2 kilometer	Each	1,010.63	1,010.63	Each	1,010.63	1,010.63	1.1	



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		Unit	Labour	Composite	Unit	Labour	Composite		
01-10-d	Hand shunting empty railway wagons 3rd & subsequent kilometer	Each	459.38	459.38	Each	459.38	459.38	1.1	



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Chapter # : 02 LOADING, UNLOADING & STACKING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
02-01	Load into or unload from railway wagons within 30m shingle, sand, ballast, tiles, etc, laid & stacked	100 cft	735.00	735.00	m3	259.56	259.56	2.1, 2.2 , 2.3.5	
02-02-a	Load into or unload from railway wagons within 30m laid & stacked : Bricks 10" size	1000 No.	735.00	735.00	1000 No.	735.00	735.00	2.1, 2.2 , 2.3.2	
02-02-b	Load into or unload from railway wagons within 30m laid & stacked : Bricks 9" or smaller size	1000 No.	588.00	588.00	1000 No.	588.00	588.00	2.1, 2.2 , 2.3.2	
02-03	Load into or unload from railway wagons, cement in bags and stacking within 30m.	100 No.	735.00	735.00	100 No.	735.00	735.00	2.1, 2.2 , 2.3.1	
02-04	Load into or unload from railway wagons, empty cement bags and stacking	1000 No.	70.56	70.56	1000 No.	70.56	70.56	2.1, 2.2 , 2.3.1	
02-05	Load into or unload from railway wagons and stacking white lime in bags	Tonne	110.25	110.25	Tonne	110.25	110.25	2.1, 2.2 , 2.3.18	
02-06	Load into or unload from railway wagons structural steel, RS joists, rails, rail fastenings etc	Tonne	352.80	352.80	Tonne	352.80	352.80	2.1, 2.2 , 2.3.12	
02-07	Load into or unload from 45 gallon drums full, into or from railway wagons, lead upto 30m	Each	44.10	44.10	Each	44.10	44.10	2.1, 2.2 , 2.3.18	
02-08	Loading or unloading packages of all sorts upto 50 kg.	Each	22.05	22.05	Each	22.05	22.05	2.1, 2.2 , 2.3.18	Except cement in Jute or paper bags
02-09-a	Load or unload sleepers other than wooden, incl stacking, lead upto 30m : Broad gauge	100 No.	1,470.00	1,470.00	100 No.	1,470.00	1,470.00	2.1, 2.2 , 2.3.10	
02-09-b	Load or unload sleepers other than wooden, including stacking, lead upto 30m : Metre gauge	100 No.	735.00	735.00	100 No.	735.00	735.00	2.1, 2.2 , 2.3.10	DELETED
02-10	Load or unload timber logs or shuttering into or from railway wagons, including stacking within 30m	Tonne	183.75	183.75	Tonne	183.75	183.75	2.1, 2.2 , 2.3.10	
02-11	Loading or unloading bhoosa in railway wagons lead upto 30m.	Tonne	672.08	672.08	Tonne	672.08	672.08	2.1, 2.2 , 2.3.18	
02-12	Load or unload timber scrap or wooden plugs into or from railway wagons & stacking within 30m	Tonne	294.00	294.00	Tonne	294.00	294.00	2.1, 2.2 , 2.3.10	
02-13	Load or unload pitching stone/spawl from railway wagons of any guage including clearing 1.5m away	100 cft	217.56	217.56	m3	76.83	76.83	2.1, 2.2 , 2.3.5	
02-14	Loading or unloading building stone including clearing away 1.5m from rails	100 cft	282.24	282.24	m3	99.67	99.67	2.1, 2.2 , 2.3.5	
02-15-a	Unloading oil, bitumen or tar etc : Crude Oil (to be pumped from tank wagon into tank)	1000 Ltr	0.00	44.81	1000 Ltr	0.00	44.81	2.1, 2.2 , 2.3.14	The rate include checking and weighing the tins
02-15-b	Unloading oil, bitumen or tar etc Crude oil (drained by gravity)	1000 Ltr	161.70	161.70	1000 Ltr	161.70	161.70	2.1, 2.2 , 2.3.14	



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		Unit	Labour	Composite	Unit	Labour	Composite		
02-15-c	Unloading oil, bitumen or tar etc Crude oil materials from railway wagons	Tonne	41.90	41.90	Tonne	41.90	41.90	2.1, 2.2 , 2.3.14	
02-15-d	Unloading oil, bitumen or tar etc : Fuel Oil from tank into empty drums including stacking within 30m	Tonne	261.66	261.66	Tonne	261.66	261.66	2.1, 2.2 , 2.3.10	DELETED
02-15-e	Unloading oil, bitumen or tar etc Petrol (2 gallon tin)	100 No.	370.44	370.44	100 No.	370.44	370.44	2.1, 2.2 , 2.3.10	DELETED
02-15-f	Unloading oil, bitumen or tar etc Kerosine oil (4 gallon tin)	100 No.	735.00	735.00	100 No.	735.00	735.00	2.1, 2.2 , 2.3.14	
02-15-g	Unloading oil, bitumen or tar etc Tar & Bitumen in drums with carriage upto 1 km	100 No.	0.00	177.76	100 No.	0.00	177.76	2.1, 2.2 , 2.3.14	
02-16-a	Unloading and stacking within 30m. lead Stone, spawl, brick bats, shingle, sand, lime etc	100 cft	294.00	294.00	m3	103.83	103.83	2.1, 2.2 , 2.3.5	
02-16-b	Unloading and stacking within 30m. lead Bricks	1000 No.	784.24	784.24	1000 No.	784.24	784.24	2.1, 2.2 , 2.3.5	
02-16-c	Unloading and stacking within 30m. lead Broad gauge wooden sleepers	100 No.	470.40	470.40	100 No.	470.40	470.40	2.1, 2.2 , 2.3.10	
02-16-d	Unloading and stacking within 30m. lead Metre gauge or narrow gauge wooden sleepers	100 No.	280.04	280.04	100 No.	280.04	280.04	2.1, 2.2 , 2.3.10	
02-16-e	Unloading and stacking within 30m. lead Rails, girders, pipes, cement etc.	Tonne	130.68	130.68	Tonne	130.68	130.68	2.1, 2.2 , 2.3.10	
02-16-f	Unloading and stacking within 30m. lead Bridge and crossing timbers, etc.	100 No.	1,567.98	1,567.98	100 No.	1,567.97	1,567.97	2.1, 2.2 , 2.3.10	
02-17	Load into wagons girders, rails, MS bars, pipes etc. including 30m lead & stacking inside wagons	Tonne	294.00	294.00	Tonne	294.00	294.00	2.1	
02-18	Unload from wagons girders, rails, MS bars, girder etc. including 30m lead but excluding stacking	Tonne	168.02	168.02	Tonne	168.02	168.02	2.2	
02-19	Load into wagons wooden broad gauge sleepers including 30m lead & stacking	100 No.	1,176.00	1,176.00	100 No.	1,176.00	1,176.00	2.1	
02-20	Unload wooden broad gauge sleepers from wagons including 30m lead and stacking	100 No.	560.00	560.00	100 No.	560.00	560.00	2.2	
02-21	Loading metre gauge or narrow gauge wooden sleepers including 30m lead & stack inside wagons	100 No.	588.00	588.00	100 No.	588.00	588.00	2.1	
02-22	Unloading metre gauge or narrow gauge wooden sleepers including 30m lead but excluding stacking	100 No.	309.51	309.51	100 No.	309.51	309.51	2.2	
02-23	Loading bridge and crossing timber including 30m lead & stacking	100 No.	2,352.00	2,352.00	100 No.	2,352.00	2,352.00	2.1	
02-24	Unloading bridge and crossing timbers including 30m lead but excluding stacking	100 No.	1,176.00	1,176.00	100 No.	1,176.00	1,176.00	2.1 , 2.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
02-25	Load and unload bitumen, asphalt, tar in drums, into or from railway wagons, lead upto 30m	Tonne	176.40	176.40	Tonne	176.40	176.40	2.1, 2.2 , 2.3.14	



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Chapter # : 03 EARTH WORK (EXCAVATION & EMBANKMENT)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
03-01-a	Earth excavation undressed upto single throw of kassi phaorah or shovel etc : in ashes, sand, soft soil or silt clearance	1000 Cft	2,756.25	2,756.25	m3	97.34	97.34	3.2.4.1 , 3.4.2	
03-01-b	Earth excavation undressed upto single throw of kassi phaorah or shove etc : in ordinary soil,	1000 Cft	3,307.50	3,307.50	m3	116.80	116.80	3.2.4.1	
03-02-a	Earth excavation in ashes, sand & soft soil or silt clearance, undressed lead upto 15m.	1000 Cft	4,057.20	4,057.20	m3	143.28	143.28	3.2.4.1 , 3.4.2	
03-02-b	Earth excavation in ashes, sand, shingle & soft soil or silt clearance by mechanical means undressed lead upto 15m.	1000 Cft	0.00	2,407.92	m3	0.00	85.04	3.2.4.1 , 3.4.2	
03-03-a	Excavate Unsuitable Common Material	1000 Cft	0.00	4,215.13	m3	0.00	148.86	3.9.5	
03-03-b	Excavate Unsuitable Hard Rock Material	1000 Cft	0.00	12,848.58	m3	0.00	453.74	3.9.5	
03-03-c	Excavate Unsuitable Medium Rock Material	1000 Cft	0.00	6,850.99	m3	0.00	241.94	3.9.5	
03-03-d	Excavate Unsuitable Soft Material	1000 Cft	0.00	4,354.90	m3	0.00	153.79	3.9.5	
03-03-e	Excavate Surplus Common Material	1000 Cft	0.00	3,833.29	m3	0.00	135.37	3.9.5	
03-03-f	Excavate Surplus Hard Rock Material	1000 Cft	0.00	13,434.13	m3	0.00	474.42	3.9.5	
03-03-g	Excavate Surplus Medium Rock Material	1000 Cft	0.00	11,722.51	m3	0.00	413.98	3.9.5	
03-03-h	Excavate Surplus Soft Rock Material	1000 Cft	0.00	8,850.82	m3	0.00	312.56	3.9.5	
03-04-a	Bed clearance and dressing slopes of drains including removing of weeds and roots etc. Excavated material undressed within 15m	1000 Cft	4,116.00	4,116.00	m3	145.36	145.36	3.7	The rate is applicable where the earth of the bed to be removed is of the type of ordinary soil. When it is silt or soft soil, it will be paid per item No 03-01-a, 03-01-b or 03-02 above, whichever is applicable. The XEN will specify drains of each categor
03-04-b	Bed clearance and dressing slopes of drains including removing of weeds and roots etc. Excavated material dressed within 15m lead	1000 Cft	4,439.40	4,439.40	m3	156.78	156.78	3.7	
03-05-a	Borrowpit excavation undressed lead upto 30m in Ordinary soil	1000 Cft	0.00	5,998.58	m3	0.00	211.84	3.2.1.2	
03-05-b	Borrowpit excavation undressed lead upto 30m in Hard soil	1000 Cft	0.00	7,240.45	m3	0.00	255.69	3.2.1.2	
03-05-c	Borrowpit excavation undressed lead upto 30m in shingle/gravel formation	1000 Cft	0.00	10,353.22	m3	0.00	365.62	3.2.1.2	
03-06-a	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 95% to 100% max. modified. AASHTO dry density (borrow area).	1000 Cft	1,577.31	11,090.42	m3	55.70	391.65	3.3.1 , 3.3.2	The rate includes hire charges of machinery, cost of fuel, lubricants, pay of driver and cleaner. The rate also includes clearing and grubbing where necessary.



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03-06-b	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 90% max. modified AASHTO dry density (borrow area).	1000 Cft	1,577.31	10,204.06	m3	55.70	360.35	3.3.1 , 3.3.2	
03-06-c	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 85% max. modified AASHTO dry density (borrow area).	1000 Cft	1,577.31	9,317.71	m3	55.70	329.05	3.3.1 , 3.3.2	
03-07-a	Earth fill in lawns including dressing & compaction with earth available from cutting/excavation	1000 Cft	3,675.00	3,675.00	m3	129.78	129.78	3.15	
03-07-b	Earth fill in lawns including dressing & compaction with suitable earth borrowed.	1000 Cft	7,625.63	7,625.63	m3	269.30	269.30	3.15	
03-08	Furnishing And Planting Of Trees Including Maintenance For 2 Years	Each	196.91	970.27	Each	196.91	970.27	3.15	
03-09-a	Earth excavation in open cut upto 1.5m depth for drains, pipes etc & disposal : in Ordinary Soil	1000 Cft	0.00	6,584.09	m3	0.00	232.52	3.2.4, 3.2.8 , 3.10.2.3	
03-09-b	Earth excavation in open cut upto 1.5m depth for drains, pipes etc & disposal : in Hard Soil	1000 Cft	0.00	8,096.30	m3	0.00	285.92	3.2.4, 3.2.8 , 3.10.2.3	
03-09-c	Earth excavation in open cut upto 1.5m depth for drains, pipes etc & disposal : in Very hard Soil	1000 Cft	0.00	9,090.06	m3	0.00	321.01	3.2.4, 3.2.8 , 3.10.2.3	
03-09-d	Earth excavation in open cut upto 1.5m depth for drains, pipes etc & disposal : in Gravel & shingle	1000 Cft	0.00	10,446.55	m3	0.00	368.92	3.2.4, 3.2.8 , 3.10.2.3	
03-10-a	Earth excavation in open cut 1.5m - 3m depth for Surface Water Drains, pipes etc & disposal : in Ordinary Soil	1000 Cft	0.00	6,584.46	m3	0.00	232.53	3.2.4, 3.2.8 , 3.10.2.3	
03-10-b	Earth excavation in open cut 1.5m - 3m depth for Surface Water Drains, pipes etc & disposal : in Hard Soil	1000 Cft	0.00	8,096.30	m3	0.00	285.92	3.2.4 , 3.10.2.3	
03-10-c	Earth excavation in open cut 1.5m - 3m depth for Surface Water Drains, pipes etc & disposal : in Very Hard Soil	1000 Cft	0.00	9,012.52	m3	0.00	318.27	3.2.4, 3.2.8 , 3.10.2.3	
03-10-d	Earth excavation in open cut 1.5m - 3m depth for drains, pipes etc & disposal : in Gravel & shingle	1000 Cft	0.00	9,928.75	m3	0.00	350.63	3.2.4, 3.2.8 , 3.10.2.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
03-11-a	Excavation in shingle or gravel formation & rock not requiring blast, undressed, 50m lead : Dry	1000 Cft	0.00	6,293.95	m3	0.00	222.27	3.2	
03-11-b	Excavation in shingle or gravel formation & rock not requiring blast, undressed, 50m lead : Wet	1000 Cft	0.00	8,390.69	m3	0.00	296.31	3.2	
03-11-c	Excavation in shingle or gravel formation & rock not req. blast, undressed, 50m lead : in Flowing Water	1000 Cft	0.00	10,489.66	m3	0.00	370.44	3.2	
03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	5,880.00	5,880.00	m3	207.65	207.65	3.2 , 3.6	
03-12-b	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Hard Soil	1000 Cft	7,056.00	7,056.00	m3	249.18	249.18	3.2 , 3.6	
03-12-c	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Very Hard Soil	1000 Cft	8,305.50	8,305.50	m3	293.31	293.31	3.2 , 3.6	
03-12-d	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Shingle/Gravel	1000 Cft	15,435.00	15,435.00	m3	545.08	545.08	3.2 , 3.6	
03-13-a	Rock Excavation, dressing & disposal up to 50m Soft Rock, slate, shale, schist or lateriate	1000 Cft	18,926.25	18,926.25	m3	668.37	668.37	3.2,4 , 3.13	Tools and plants shall be the liability of the contractor.
03-13-b	Rock Excavation, dressing & disposal up to 50m Medium hard rock, requiring occasional blasting	1000 Cft	22,108.80	22,987.13	m3	780.77	811.78	3.2,4 , 3.13	
03-14-a	Excavation in hard rock requiring blasting and disposal upto 25m & dressing : Grade I	1000 Cft	0.00	13,185.89	m3	0.00	465.66	3.2,4 , 3.13	a) Tools and plants required shall be the liabilities of the contractor.
03-14-b	Excavation in hard rock requiring blasting and disposal upto 25m & dressing : Grade II	1000 Cft	0.00	15,086.00	m3	0.00	532.76	3.2,4 , 3.13	b) Reduce the rate by 8 % if the excavated section is not dressed or levelled to design section.
03-14-c	Excavation in hard rock requiring blasting and disposal upto 25m & dressing : Grade III	1000 Cft	0.00	16,423.98	m3	0.00	580.01	3.2,4 , 3.13	
03-14-d	Excavation in hard rock requiring blasting and disposal upto 25m & dressing : Grade IV	1000 Cft	0.00	17,318.71	m3	0.00	611.61	3.2,4 , 3.13	
03-14-e	Excavation in hard rock requiring blasting and disposal upto 25m & dressing : Grade V	1000 Cft	0.00	18,273.74	m3	0.00	645.33	3.2,4 , 3.13	
03-14-f	Excavation in hard rock requiring blasting and disposal upto 25m & dressing : Grade VI	1000 Cft	0.00	19,294.64	m3	0.00	681.38	3.2,4 , 3.13	
03-15-a	Excavation in hard rock requiring blasting but blasting prohibited, dispose & dress within 25 m : Grade I	1000 Cft	15,843.59	15,843.59	m3	559.51	559.51	3.2,4 , 3.13	a) Tools and plants required shall be the liabilities of the contractor.
03-15-b	Excavation in hard rock requiring blasting where blasting prohibited, dispose & dress within 25 m : Grade II	1000 Cft	19,804.48	19,804.48	m3	699.39	699.39	3.2,4 , 3.13	b) Reduce the rate by 8 % if the excavated section is not dressed or levelled to design section.



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		Unit	Labour	Composite	Unit	Labour	Composite		
03-15-c	Excavation in hard rock requiring blasting where blasting prohibited, dispose & dress within 25 m: Grade III	1000 Cft	24,755.50	24,755.50	m3	874.23	874.23	3.2.4 , 3.13	
03-15-d	Excavation in hard rock requiring blasting where blasting prohibited, dispose & dress within 25 m: Grade IV	1000 Cft	28,468.72	28,468.72	m3	1,005.36	1,005.36	3.2.4 , 3.13	
03-15-e	Excavation in hard rock requiring blasting where blasting prohibited, dispose & dress within 25 m: Grade V	1000 Cft	31,315.52	31,315.52	m3	1,105.90	1,105.90	3.2.4 , 3.13	
03-15-f	Excavation in hard rock requiring blasting where blasting prohibited, dispose & dress within 25 m: Grade VI	1000 Cft	34,447.34	34,447.34	m3	1,216.50	1,216.50	3.2.4 , 3.13	
03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	1000 Cft	1,837.50	1,837.50	m3	64.89	64.89	3.2 , 3.13	
03-16-b	Rehandling of earthwork upto a lead of 25 m.	1000 Cft	2,572.50	2,572.50	m3	90.85	90.85	3.2 , 3.13	
03-17	Rehandling of gravel work or excavated rock, lead upto 25m.	1000 Cft	7,350.00	7,350.00	m3	259.56	259.56	3.2 , 3.13	
03-18-a	Filling, watering and ramming earth under floor with surplus earth from foundation, etc	1000 Cft	2,199.12	2,199.12	m3	77.66	77.66	3.10 , 3.2.5	
03-18-b	Selected Fill Material under Footings	100 Cft	1,286.25	3,520.90	m3	454.24	1,243.40	3.2.5	
03-18-c	Provide and Fill River Bed Filter Material For Widening Portion.	100 Cft	2,205.00	2,888.54	m3	778.69	1,020.08	3.2.5	
03-18-d	Filling, watering and ramming earth under floor with earth excavated from outside lead upto 30m	1000 Cft	2,205.00	2,205.00	m3	77.87	77.87	3.10 , 3.2.5	
03-19-a	Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard	1000 Cft	124.95	124.95	m3	4.41	4.41		This rate shall be applicable upto 250m total distance, including the lead covered in the item of earth work.
03-19-b	Extra for every 15 m extra lead or part thereof for gravel, shingle or rock.	1000 Cft	145.53	145.53	m3	5.14	5.14		
03-20-a	Transportation of earth all types beyond 250 m and upto 500 m.	1000 Cft	5,218.50	5,218.50	m3	184.29	184.29	1.5	This rate will be paid in addition to the rate of earth work, without deducting the lead covered in the item of earth work
03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	1000 Cft	808.50	808.50	m3	28.55	28.55	1.5	
03-20-c	Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km.	1000 Cft	735.00	735.00	m3	25.96	25.96	1.5	
03-20-d	Transportation of earth all types for every 1 km extra lead or part thereof beyond 8 km.	1000 Cft	514.50	514.50	m3	18.17	18.17	1.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
03-21-a	Dressing & levelling earth to designed sections Ashes, sand, silt or soft soil upto cut or fill 6 inches	1000 Cft	235.20	235.20	m3	8.31	8.31	3.10	
03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	1000 Cft	455.70	455.70	m3	16.09	16.09	3.10	
03-21-c	Dressing & levelling earth to designed section Gravel work or soft rock not requiring blasting upto cut or fill 6 inches	1000 Cft	1,102.50	1,102.50	m3	38.93	38.93	3.10	
03-22	Dowel dressing	100 Rft	257.25	257.25	m	8.44	8.44	3.10	This rate is in addition to pavement for dressed earth work
03-23	Dressing slopes of banks or ground surface	1000 Sft	887.66	887.66	m2	9.55	9.55	3.5	a) To be paid only when exclusively dressing is done and no earth work is carried out in embankment or cutting.
03-24	Dressing of earthwork (done by machinery or otherwise & left undressed) to designed section	1000 Sft	992.25	992.25	m2	10.68	10.68	3.1	b) The surface area dressed is to be taken for measurement (ii) The item is applicable where the dressing is done by the contractor other than the one who executed the work
03-25-a	Excavation in foundation of building, bridges etc complete : in sand, ashes or loose soil	1000 Cft	1,195.84	4,641.03	m3	42.23	163.90	3.2.2 , 3.2.4	
03-25-b	Excavation in foundation of building, bridges etc complete : in ordinary soil	1000 Cft	1,665.00	6,906.86	m3	58.80	243.91	3.2.2 , 3.2.4	
03-25-c	Excavation in foundation of building, bridges etc complete : in hard soil or soft murum	1000 Cft	2,158.69	8,452.64	m3	76.23	298.50	3.2.2 , 3.2.4	
03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	1000 Cft	2,344.65	9,290.59	m3	82.80	328.09	3.2.2 , 3.2.4	
03-26	Cutting hard rock such as granite, ballast, hard lime etc with chisels/hammers for small foundation	1000 Cft	49,306.25	67,809.51	m3	1,741.24	2,394.67	3.2.4 , 3.13.1.3	Tools and plants required shall be the liability of the contractors.
03-27	Extra for excavaton requiring shoring	1000 Cft	1,102.50	1,819.50	m3	38.93	64.26		Composite rate includes material, i.e plank, etc
03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	1000 Cft	687.96	687.96	m3	24.30	24.30	3.10.2	The rate does not include hire charges of the Roller to be supplied by the Department or through other agencies.
03-28-b-01	Compaction by rolling with animal driven roller or hand rammed : Soft or sandy soil	1000 Cft	1,225.00	1,225.00	m3	43.26	43.26	3.10.2	
03-28-b-02	Compaction by rolling with animal driven roller or hand rammed : Ordinary soil	1000 Cft	1,439.38	1,439.38	m3	50.83	50.83	3.10.2	
03-28-b-03	Compaction by rolling with animal driven roller or hand rammed : Hard soil	1000 Cft	1,612.83	1,612.83	m3	56.96	56.96	3.10.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
03-28-b-04	Compaction by rolling with animal driven roller or hand rammed : Admixture of shingle	1000 Cft	1,828.07	1,828.07	m3	64.56	64.56	3.10.2	
03-28-c	Ramming earthwork (all types of soil)	1000 Cft	1,102.50	1,102.50	m3	38.93	38.93	3.10.2	
03-28-d	Ramming earthwork behind retaining wall	1000 Cft	1,470.00	1,470.00	m3	51.91	51.91	3.10.2	
03-29-a	Compaction of earth with power road roller 95% to 100% max. mod. AASHTO dry density	1000 Cft	3,724.00	7,462.56	m3	131.51	263.54	3.9 , 3.3.3	The rate also include hire charges of machinery, cost of fuel, lubricant, pay of driver and cleaner etc
03-29-b	Compaction of earth with power road roller 90% max. mod. AASHTO dry density	1000 Cft	2,793.00	5,921.51	m3	98.63	209.12	3.9 , 3.3.3	
03-29-c	Compaction of earth with power road roller 85% max. mod. AASHTO dry density	1000 Cft	2,382.63	4,894.90	m3	84.14	172.86	3.9 , 3.3.3	
03-30	Extra for wet earthwork	1000 Cft	2,572.50	2,572.50	m3	90.85	90.85		
03-31	Extra for slush or daldal including dewatering	1000 Cft	5,887.35	6,618.26	m3	207.91	233.72		
03-32	Extra for puddling.	1000 Cft	4,593.75	4,593.75	m3	162.23	162.23		
03-33	Earthwork on small rain water drains, along canal banks,roads, drains, etc complete	Rft	62.40	62.40	m	204.73	204.73	3.9.6	
03-34-a	Filling and Compacting Soil, Earth and Boulders behind retaining walls (Available material)	1000 Cft	6,615.00	6,615.00	m3	233.61	233.61	16.8.13.2	
03-34-b	Filling and Compacting Soil, Earth and Boulders behind retaining walls by mechanical means (Available material)	1000 Cft	0.00	7,038.57	m3	0.00	248.57	16.8.13.2	
03-35	Supply and spreading stone aggregate size 3/4"	100 Cft	1,470.00	4,323.36	m3	519.13	1,526.78	16.8.13.2	
03-36	P/L Stone soling under foundation including consolidation etc.	100 Cft	1,430.82	1,633.91	m3	505.29	577.01	16.8.13.2	
03-37	Dag belling 75 mm deep.	2500 Rft	1,029.00	1,029.00	km	1,350.39	1,350.39	3.9.1.8	Dag belling for layout of borrow pit, to be done by contractor at their own cost.
03-38	Turfing slopes of banks or lawns with grass sods including ploughing, laying, setting & watering	1000 Sft	1,470.00	7,445.00	m2	15.82	80.11	3.15	
03-39-a	Berm cutting : Lead upto single throw of phaorah or shovel, without dressing	1000 Cft	3,307.50	3,307.50	m3	116.80	116.80	16.2.6	
03-39-b	Berm cutting : Upto 25 m lead (including dressing)	1000 Cft	5,145.00	5,145.00	m3	181.69	181.69	16.2.6	
03-40-a	Berm trimming both sides of channels Upto 1 m depth	Mile	10,290.00	10,290.00	km	6,394.08	6,394.08	16.2.6	
03-40-b	Berm trimming both sides of channels Over 1m to 1.5m depth	Mile	13,597.50	13,597.50	km	8,449.33	8,449.33	16.2.6	



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03-40-c	Berm trimming both sides of channels Over 1.5m to 2.5m depth	Mile	21,682.50	21,682.50	km	13,473.25	13,473.25	16.2.6	
03-41	Dressing Of Berm Without Extra Material	1000 Cft	23.15	781.39	m3	0.82	27.59	16.2.6.3	
03-42-a	Ploughing and levelling borrow pits Upto 1m depth	Acre	2,786.88	2,786.88	ha	6,886.44	6,886.44	3.2.1.2	Area ploughed bo be measured
03-42-b	Ploughing and levelling borrow pits Exceeding 1m depth	Acre	3,185.00	3,185.00	ha	7,870.22	7,870.22	3.2.1.2	
03-43-a-01	Making boundary or service roads complete in unploughed land : From 3 m to 6 m wide	100 Rft	1,102.50	1,102.50	m	36.17	36.17	3.9	
03-43-a-02	Making boundary or service roads complete in unploughed land : Over 6 m to 12 m wide	100 Rft	1,470.00	1,470.00	m	48.23	48.23	3.9	
03-43-b-01	Making boundary or service roads complete in ploughed land : From 3 m to 6m wide	100 Rft	1,115.73	1,115.73	m	36.61	36.61	3.9	
03-43-b-02	Making boundary or service roads complete in ploughed land : Over 6 m to 12 m wide	100 Rft	1,470.00	1,470.00	m	48.23	48.23	3.9	
03-44-a	Earthwork by boats, Digging and loading into boats, upto 25m lead	1000 Cft	4,410.00	4,410.00	m3	155.74	155.74	1.4 , 2.1	For ordinary soil
03-44-b	Earthwork by boats, including hire of boats Carriage by boats upto 250m.	1000 Cft	16,023.00	16,023.00	m3	565.85	565.85	1.4 , 2.1	
03-44-c	Earthwork by boats, including hiring of boats Extra for every additional 50m beyond 250m	1000 Cft	944.82	944.82	m3	33.37	33.37	1.4 , 2.1	
03-44-d	Earthwork by boats, Unloading earth from boats	1000 Cft	2,055.06	2,055.06	m3	72.57	72.57	1.4 , 2.2	
03-45	Unloading earth from BG trucks and clearing 1.5m from rail	1000 Cft	2,205.00	2,205.00	m3	77.87	77.87	2.2	
03-46	Earthwork by tramway, digging and loading in trucks, upto 25m lead	1000 Cft	5,145.00	5,145.00	m3	181.69	181.69	2.1	
03-47	Unloading earth from BG trucks and spreading upto 5m from rail	1000 Cft	3,307.50	3,307.50	m3	116.80	116.80	2.2	
03-48	Supplying clean and screened river or pit sand within 150m including removal of loose earth or overburden.	1000 Cft	3,089.46	3,089.46	m3	109.10	109.10	1	The rate include a) Removal of top crust of earth overburden. b) Royalty to the government or cost to the private owner
03-49-a	Excavation in open cut for sewers & manhole except shingle, gravel & rock : Upto 2m	1000 Cft	208.08	8,075.32	m3	7.35	285.18	3.9.6	a) The rate does not include back filling after laying of sewer, which is payable seperately b) If the timbering and shuttering is not actually done at site, the composite rate may be reduced by 5 %
03-49-b	Excavation in open cut for sewers & manholes except shingle, gravel & rock : 2m to 5m	1000 Cft	266.07	10,453.45	m3	9.40	369.16	3.9.6	



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03-49-c	Excavation in open cut for sewers & manholes except shingle, gravel & rock : Below 5m depth	1000 Cft	275.63	11,389.13	m3	9.73	402.20	3.9.6	
03-50-a	Trench Excavation in open cutting below water level for sewers & manholes : Upto 1.25m depth	1000 Cft	8,575.00	17,418.00	m3	302.82	615.11	3.9.6	The rate does not include back filling after laying of sewer, which is payable seperately.
03-50-b	Trench Excavation in open cutting below water level for sewers & manholes : 1.25m to 2.5m depth	1000 Cft	11,086.25	22,797.25	m3	391.51	805.08	3.9.6	
03-50-c	Trench Excavation in open cutting below water level for sewers & manholes : Exceeding 2.5m depth	1000 Cft	15,680.00	29,542.00	m3	553.73	1,043.27	3.9.6	
03-51	Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth	1000 Cft	5,218.50	5,218.50	m3	184.29	184.29	3.10.2.3	The rate does not include back filling after laying of pipe line, which is payable seperately.
03-52-a	Uprooting stump and removing within 50 m upto 2 m girth	Each	0.00	546.96	Each	0.00	546.96	3.8	
03-52-b	Uprooting stump and removing within 50 m above 2 m girth	Each	0.00	821.27	Each	0.00	821.27	3.8	
03-52-c	Uprooting stump and removing within 50 m upto 2 m girth including sand filling and trenches	Each	73.50	1,388.51	Each	73.50	1,388.51	3.8	
03-52-d	Uprooting stump and removing within 50 m above 2 m girth including sand filling and trenches	Each	86.73	2,554.09	Each	86.73	2,554.09	3.8	
03-53-a	Jungle clearance and removing within 50m Light Jungle	100 Sft	36.75	36.75	m2	3.95	3.95	3.7.1.3	
03-53-b	Jungle clearance and removing within 50m Thick Jungle	100 Sft	73.50	73.50	m2	7.91	7.91	1	
03-54	Uprooting sarkanda growth & disposal within 50m	1000 Sft	955.50	955.50	m2	10.28	10.28	3.1.4	
03-55	Stripping	1000 Cft	86.73	4,504.62	m3	3.06	159.08	3.7	
03-56	Ploughing 3 times	ha	7,413.09	7,413.09	ha	7,413.09	7,413.09	3.7	
03-57	Levelling, dressing and making lawns	1000 Sft	2,901.78	2,901.78	m2	31.22	31.22	3.15	
03-58	Turfing of lawn with Dacca Grass	1000 Sft	2,475.11	12,035.11	m2	26.63	129.50	3.15	
03-59-a	Excavation and Clearance of shingle, gravel including sand, soft soil and silt deposits in channel bed upto 25m	1000 Cft	13,965.00	13,965.00	m3	493.17	493.17	3.2	
03-59-b	Excavation and Clearance of shingle, gravel including sand, soft soil and silt deposits by mechanical means in channel bed upto 25m	1000 Cft	0.00	5,556.75	m3	0.00	196.23	3.2	



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MARKET RATE SYSTEM - 2020

Chapter # : 03 EARTH WORK (EXCAVATION & EMBANKMENT)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
03-60	Clearance of site by cutting, removing all shrubs, trees, upto 6 inches (152 mm) girth, etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless material as directed, lead to 10 chains, cost of earth included.	1000 Sft	5,688.90	5,688.90	m2	61.21	61.21	3.7	
03-61-a	Clearance of choked up syphon including dewatering Upto 1.25m dia	100 Ft	7,350.00	18,822.00	m	241.14	617.52	3.7	
03-61-b	Clearance of choked up syphon including dewatering Exceeding 1.25m dia	100 Ft	11,466.00	29,362.32	m	376.18	963.33	3.7	
03-62	Clearing and Grubbing by mechanical means	1000 Sft	156.11	1,499.06	m2	1.68	16.13	3.7	
03-63	Removal of Tree : Girth 150mm - 300mm including removal of stump & backfilling with sand	No	49.25	577.14	No	49.24	577.14	3.8	
03-64-a	Removal of Tree : Girth 300mm - 600mm including removal of stump & backfilling with sand	No	98.49	1,154.28	No	98.49	1,154.28	3.8	
03-64-b	Removal of Tree : Girth over 600mm including removal of stump & backfilling with sand	No	295.47	2,804.79	No	295.47	2,804.79	3.8	
03-65	Compaction of Natural Ground	1000 Sft	566.68	1,851.22	m2	6.10	19.92	3.10 , 3.3.3	
03-66-a	Roadway Excavation in Surplus / Unsuitable Common Material	1000 Cft	416.01	10,155.62	m3	14.69	358.64	3.9.4	
03-66-b	Roadway Excavation in Surplus / Unsuitable Rock (Hard) Material requiring blasting.	1000 Cft	3,011.30	21,310.61	m3	106.34	752.58	3.9.4	
03-66-c	Roadway Excavation in Surplus / Unsuitable Rock (Medium) Material requiring blasting	1000 Cft	2,276.29	18,884.68	m3	80.39	666.91	3.9.4	
03-66-d	Roadway Excavation in Surplus / Unsuitable Rock (Soft) Material	1000 Cft	551.25	8,362.08	m3	19.47	295.30	3.9.6 , 3.13	
03-67-a	Structural Excavation in Common Material by mechanical means	1000 Cft	6,867.84	10,006.81	m3	242.54	353.39	3.9.6	
03-67-a-i	Structural Excavation In Common Material	1000 Cft	104.08	7,345.62	m3	3.68	259.41	3.9.6	
03-67-a-ii	Structural Excavation In Common Material Below Water Level	1000 Cft	2,775.07	27,533.73	m3	98.00	972.35	3.9.6	
03-67-b-i	Structural Excavation In Hard Rock Material by mechanical means requiring blasting	100 Cft	1,664.78	5,243.33	m3	587.91	1,851.67	3.9.6 , 3.13	
03-67-b-ii	Structural Excavation In Medium Rock Material	1000 Cft	2,081.30	17,647.16	m3	73.50	623.20	3.9.6 , 3.13	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
03-67-b-iii	Structural Excavation In Soft Rock Material	1000 Cft	1,189.23	11,533.51	m3	42.00	407.30	3.9.6 , 3.13	
03-67-c	Structural backfill using Common Material available at site.	1000 Cft	5,334.63	8,717.84	m3	188.39	307.87	3.9.6	
03-67-d	Structural Backfill using Granular Material brought from outside	1000 Cft	2,601.90	30,452.74	m3	91.89	1,075.43	3.9.6	
03-67-e	Structural Backfill using Common Material brought from outside	1000 Cft	2,601.90	27,112.71	m3	91.89	957.48	3.9.6	
03-68-a	Granular Backfill	1000 Cft	1,665.00	40,739.10	m3	58.80	1,438.69	3.10.2	
03-68-b	Common Backfill	1000 Cft	1,850.07	5,534.54	m3	65.33	195.45	3.10.2	
03-69	Filter Layer Of Granular Material	100 Cft	315.32	4,465.58	m3	111.35	1,577.01	3.10.2	
03-70-a	Formation of Embankment from Roadway Excavation in Common Material including compaction Modified AASHTO 90% by power roller.	1000 Cft	416.01	11,262.24	m3	14.69	397.72	3.9.7	
03-70-b	Formation of Embankment from Roadway Excavation in Rock Material requiring blasting and compaction Modified AASHTO 95% of embankment by power roller.	1000 Cft	3,746.30	25,197.12	m3	132.30	889.83	3.9.7	
03-70-c	Formation of Embankment from Borrow Excavation in Common Material including compaction Modified AASHTO 90% by power roller.	1000 Cft	416.74	22,246.93	m3	14.72	785.64	3.9.4	
03-70-d	Formation of Embankment from Roadway Excavation in granular Material including compaction Modified AASHTO 90% by power roller.	1000 Cft	735.00	11,581.23	m3	25.96	408.99	3.9.7	
03-70-e	Formation of Embankment from Roadway excavation in common Material	1000 Cft	92.54	7,036.15	m3	3.27	248.48	3.9.4	
03-70-f	Formation Of Embankment From Roadway Excavation In Hard Rock Material	1000 Cft	555.00	25,228.35	m3	19.60	890.93	3.9.4	
03-70-g	Formation Of Embankment From Roadway Excavation In Medium Rock Material	1000 Cft	551.25	14,922.83	m3	19.47	527.00	3.9.4	
03-70-h	Formation Of Embankment From Roadway Excavation In Soft Rock Material	1000 Cft	370.00	14,809.76	m3	13.07	523.00	3.9.4	
03-70-i	Formation Of Embankment From Borrow Excavation In Common Material	1000 Cft	185.00	23,464.83	m3	6.53	828.65	3.9.4	
03-70-j	Formation Of Embankment From Structural Excavation In Common Material	1000 Cft	92.54	4,031.93	m3	3.27	142.39	3.9.4	



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Chapter # : 03 EARTH WORK (EXCAVATION & EMBANKMENT)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
03-70-k	Formation Of Embankment From Structural Excavation In Any Type Of Rock Material Hard Rock)	1000 Cft	450.04	9,995.09	m3	15.89	352.97	3.9.4	
03-71-a	Subgrade Preparation In Earth Cut ; Mod. AASHTO 95%	1000 Sft	94.15	4,134.53	m2	1.01	44.49	16.2.1.1.3	
03-71-b	Subgrade Preparation in Rock Cut ; Mod. AASHTO 95%	1000 Sft	1,700.79	8,574.69	m2	18.30	92.26	16.2.1.1.1.4	
03-71-c-i	Subgrade Preparation on Existing Road ; Mod. AASHTO 95%	1000 Sft	1,133.37	4,902.01	m2	12.20	52.75	16.2.1	
03-71-c-ii	Subgrade Preparation in Existing Road Without Any Fill ; Mod. AASHTO 95%	1000 Sft	47.11	2,794.54	m2	0.51	30.07	16.2.1	
03-72-a	Earthwork by mechanical means in drains and irrigation channels in DRY soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	183.75	1,451.70	m3	6.49	51.27	3.6 , 3.12	
03-72-b	Earthwork by mechanical means in drains and irrigation channels in DRY & WET soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	183.75	1,546.79	m3	6.49	54.62	3.6 , 3.12	
03-72-c	Earthwork by mechanical means in drains and irrigation channels in WET & SLUSH soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	271.95	1,865.33	m3	9.60	65.87	3.6 , 3.12	
03-72-d	Earthwork by mechanical means in drains and irrigation channels in SLUSH soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	271.95	2,104.32	m3	9.60	74.31	3.6 , 3.12	
03-72-e	Earthwork by mechanical means in drains and irrigation channels in DRY & WET to that of SLUSH (1:2) soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	367.50	3,670.43	m3	12.98	129.62	3.6 , 3.12	



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Chapter # : 03 EARTH WORK (EXCAVATION & EMBANKMENT)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
03-72-f	Earthwork by mechanical means in drains and irrigation channels in BORROW AREA soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	183.75	1,661.87	m3	6.49	58.69	3.6 , 3.12	
03-72-g	Earthwork by mechanical means in drains and irrigation channels in UNDER WATER soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed.	1000 Cft	735.00	3,046.12	m3	25.96	107.57	3.6 , 3.12	
03-73	Provide, place and compact impervious clay core in dam embankment of specified grading, permeability i/c leveling dressing and haulage obtaining 95% modified AASHTO dry density i/c 1.5 KM lead	100 Cft	0.00	1,067.74	m3	0.00	377.07	3.3	
03-74	Provide, Place & compact shoulder material (sandy / silty gravel) in Dam Embankment, of specified grading, leveling/ dressing i/c haulage for obtaining of 95% modified AASHTO dry density.	100 Cft	0.00	938.92	m3	0.00	331.58	3.3	
03-75	Provide, Place & compact Fine Filter in chimney drain vertical / horizontal on downstream of clay core	100 Cft	735.00	4,376.45	m3	259.56	1,545.53	3.3	
03-76	Provide, Place & compact Coarse Filter (well graded gravel) in chimney drain vertical / horizontal on downstream of fine filter i/c leveling, moistening etc	100 Cft	2,021.25	2,769.60	m3	713.80	978.08	3.3	
03-77	Excavation for core trench of Dam Embankment/Spillway/Intake & Outlet Structure and Irrigation System upto a minimum depth of 35 ft in common soil including removing of excavated material by machinery in 1.5 KM radius	100 Cft	0.00	651.27	m3	0.00	229.99	3.3 , 3.12.3	
03-78-a	Excavation for core trench of Dam Embankment/Spillway/Intake & Outlet Structure and Irrigation System upto a minimum depth of 35 ft in shingle gravel including removing of excavated material by machinery in 1.5 KM radius	100 Cft	0.00	664.17	m3	0.00	234.55	3.3 , 3.12.3	



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Chapter # : 03 EARTH WORK (EXCAVATION & EMBANKMENT)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
03-78-b	Excavation for core trench of Dam Embankment/Spillway/Intake & Outlet Structure and Irrigation System upto design depth in Soft Rock/Shale requiring 20% blasting i/c removing of material from outside of the structure area lead upto 1.5 KM	100 Cft	0.00	1,361.09	m3	0.00	480.67	3.3 , 3.12.3	
03-78-c	Excavation for core trench of Dam Embankment/Spillway/Intake & Outlet Structure and Irrigation System upto design depth in Medium Hard Rock requiring 50% blasting i/c removing of material from outside of the structure area lead upto 1.5 KM	100 Cft	0.00	2,162.04	m3	0.00	763.52	3.3 , 3.12.3	
03-78-d	Excavation for core trench of Dam Embankment/Spillway/Intake & Outlet Structure and Irrigation System upto design depth in Hard Rock requiring 75% blasting i/c removing of material from outside of the structure area lead upto 1.5 KM	100 Cft	0.00	3,301.77	m3	0.00	1,166.01	3.3 , 3.12.3	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 04 DISMANTLING (DEMOLITION)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
04-01	Dismantling dry stone masonry	100 Cft	624.75	624.75	m3	220.63	220.63	4.1	
04-02	Dismantling stone masonry in mud mortar	100 Cft	918.75	918.75	m3	324.45	324.45	4.1 , 4.4.3	
04-03	Dismantling stone masonry in lime or cement mortar	100 Cft	2,205.00	2,205.00	m3	778.69	778.69	4.1 , 4.4.3	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively.
04-04-a	Dismantling dry stone or spawl pitching	100 Cft	1,102.50	1,102.50	m3	389.34	389.34	4.1	
04-04-b	Dismantling stone or spawl pitching (mud grouted)	100 Cft	2,389.48	2,389.48	m3	843.84	843.84	4.1 , 4.4.3	
04-05	Dismantling stone or spawl pitching and apron in silted condition	100 Cft	1,837.50	1,837.50	m3	648.91	648.91	4.1	
04-06	Dismantling stone pitching, cement or lime grouted	100 Cft	2,940.00	2,940.00	m3	1,038.25	1,038.25	4.1	
04-07-a	Dismantling stone in Wooden crates	100 Cft	1,470.00	1,470.00	m3	519.13	519.13	4.1	
04-07-b	Dismantling stone in Wire crates	100 Cft	1,837.50	1,837.50	m3	648.91	648.91	4.1	
04-08	Dismantling stone ware drain including base concrete	100 Cft	1,561.88	1,561.88	m3	551.57	551.57	4.1	
04-09	Dismantling mud/pise walling	100 Cft	367.50	367.50	m3	129.78	129.78	4.1 , 4.4.3	
04-10	Dismantling sun dried brick masonry	100 Cft	918.75	918.75	m3	324.45	324.45	4.1 , 4.4	
04-11	Dismantling dry brick masonry	100 Cft	624.75	624.75	m3	220.63	220.63	4.1 , 4.4	
04-12	Dismantling brick work in mud mortar	100 Cft	1,286.25	1,286.25	m3	454.24	454.24	4.1 , 4.4	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No 04-12, 04-13, 04-14 and 04-15
04-13	Dismantling brick work in lime or cement mortar	100 Cft	3,123.75	3,123.75	m3	1,103.14	1,103.14	4.1 , 4.4	
04-14	Dismantling cement block masonry	100 Cft	2,756.25	2,756.25	m3	973.36	973.36	4.1 , 4.4	
04-15	Dismantling Dhajji walling	100 Cft	735.00	735.00	m3	259.56	259.56	4.1 , 4.4	
04-16	Dismantling mud concrete	100 Cft	1,470.00	1,470.00	m3	519.13	519.13	4.1 , 4.4	
04-17	Dismantling lime concrete	100 Cft	2,021.25	2,021.25	m3	713.80	713.80	4.1 , 4.4	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No 04-17, 04-19, and 04-20
04-18	Dismantling lime or cement concrete, under water	100 Cft	7,717.50	7,717.50	m3	2,725.41	2,725.41	4.1 , 4.4	
04-19-a	Dismantling : Plain Cement Concrete 1:4:8	100 Cft	4,042.50	4,042.50	m3	1,427.60	1,427.60	4.1 , 4.4	
04-19-b	Dismantling : Plain Cement Concrete 1:3:6	100 Cft	6,615.00	6,615.00	m3	2,336.07	2,336.07	4.1 , 4.4	
04-19-c	Dismantling : Plain Cement Concrete 1:2:4	100 Cft	8,085.00	8,085.00	m3	2,855.19	2,855.19	4.1 , 4.4	



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Chapter # : 04 DISMANTLING (DEMOLITION)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
04-19-d	Dismantling : Cement Concrete with brick aggregate	100 Cft	2,205.00	2,205.00	m3	778.69	778.69	4.1 , 4.4	
04-19-e	Dismantling : DPC of cement concrete 1.5" thick and clearing the site	100 Sft	1,103.23	1,103.23	m2	118.71	118.71	4.1 , 4.4	
04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	100 Cft	13,230.00	13,230.00	m3	4,672.13	4,672.13	4.1 , 4.4	
04-20-b-i	Dismantling Of Structures And Obstructions	100 Cft	711.11	5,563.19	m3	251.13	1,964.62	4.1	
04-20-b-ii	Demolition of existing damaged Bridge and placing of useful materials	100 Cft	919.63	5,771.71	m3	324.77	2,038.26	4.1, 4.4 , 4.7	
04-21	Dismantling sirki sarkanda or thached roofing supported on battens or ballies	100 Sft	443.94	443.94	m2	47.77	47.77	4.1 , 4.4	
04-22-a	Dismantling 1st class tile roofing	100 Sft	1,099.56	1,099.56	m2	118.31	118.31	4.1	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No 04-22-a, 04-22-b, 04-26, 04-27 and 04-30
04-22-b	Dismantling 2nd class tile roofing	100 Sft	921.69	921.69	m2	99.17	99.17	4.1	
04-23	Dismantling from any height, asbestos sheets & ridge coping	100 Sft	551.25	551.25	m2	59.31	59.31	4.1	
04-24	Dismantling roof of wooden planks & battens from any height	100 Sft	588.00	588.00	m2	63.27	63.27	4.1 , 4.4	
04-25	Dismantling wooden ceiling above 20' height in difficult position including lifting along live wire	100 Sft	2,206.47	2,206.47	m2	237.42	237.42	4.1 , 4.4	
04-26	Dismantling jack arch roofing, including removing joists	100 Sft	1,470.00	1,470.00	m2	158.17	158.17	4.1 , 4.4	
04-27	Dismantling RB roof complete with mud and mud plaster including reinforcement complete	100 Sft	1,837.50	1,837.50	m2	197.71	197.71	4.1 , 4.4	
04-28-a	Stripping and stacking: Slate or tiles from the truss roofing	100 Sft	1,305.73	1,305.73	m2	140.50	140.50	4.1 , 4.4	
04-28-b	Stripping and stacking: GI sheet roofing	100 Sft	823.20	823.20	m2	88.58	88.58	4.1 , 4.4	
04-29	Extra for dismantling CI sheet roof above 20 ft. in difficult position including lifting along live wire	100 Sft	1,470.00	1,470.00	m2	158.17	158.17		
04-30	Dismantling slates or tiles including battens, purlins and planking	100 Sft	1,470.00	1,470.00	m2	158.17	158.17	4.1 , 4.4	
04-31	Dismantling brick or flagged flooring without concrete foundation	100 Sft	624.75	624.75	m2	67.22	67.22	4.1	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No 04-31 and 04-32
04-32	Dismantling plank or wooden block flooring etc	100 Sft	918.75	918.75	m2	98.86	98.86	4.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
04-33-a	Disjointing RCC pipes inside trench & removing pipes & stacking outside : 6" to 12" diameter	100 Rft	918.75	918.75	m	30.14	30.14	4.1 , 4.4	a) The rate does not include the cost of excavation and refilling of trench, or the demolition of any masonry or brick work. b) Bends, elbows, sluice valves, etc should not be paid for extra if fixed in the length of pipe line that is being dismantled. Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No 04-35 and 04-36
04-33-b	Disjointing RCC pipes inside trench & removing pipes & stacking outside : 13" to 24" diameter	100 Rft	1,276.69	1,276.69	m	41.89	41.89	4.1	
04-33-c	Disjointing RCC pipes inside trench & removing pipes & stacking outside : 25" to 36" diameter	100 Rft	1,658.16	1,658.16	m	54.40	54.40	4.1	
04-33-d	Disjointing RCC pipes inside trench & removing pipes & stacking outside : Over 36" diameter	100 Rft	1,456.18	1,456.18	m	47.78	47.78	4.1	
04-34-a	Dismantling: Woden beams up to 12' in length	Each	183.75	183.75	Each	183.75	183.75	4.1	
04-34-b	Dismantling: Wooden beams from 12.1' to 23' length	Each	367.50	367.50	Each	367.50	367.50	4.1	
04-34-c	Dismantling: Wooden partiton Jaffry Work etc	600 Sft	2,908.40	2,908.40	m2	52.16	52.16	4.1	
04-34-d	Dismantling: Wooden trusses	5 Cwt	3,307.50	3,307.50	100 Kg	1,289.98	1,289.98	4.1	
04-34-e	Dismantling: Wooden palisade fencing	50 Rft	2,205.00	2,205.00	m	144.69	144.69	4.1	
04-35	Dismantling iron work of trusses, sheds, water tanks, etc excluding cutting of rivets	5 Cwt	3,491.25	3,491.25	100 Kg	1,361.64	1,361.64	4.1	
04-36	Dismantling rolled steel beams or iron rails etc.	12 Cwt	3,675.00	3,675.00	100 Kg	602.71	602.71	4.1, 4.4 , 4.7	
04-37	Dismantling iron latrine	Each	551.25	551.25	Each	551.25	551.25	4.1	
04-38	Dismantling tees, bends or sluice valves upto 12" i/d	Each/25mm	14.70	14.70	Ea/25mm D	14.70	14.70	4.1	
04-39-a	Dismantling water column : BG	Each	10,106.25	10,106.25	Each	10,106.25	10,106.25	4.1	
04-39-b	Dismantling water column : MG or NG	Each	6,798.75	6,798.75	Each	6,798.75	6,798.75	4.1	
04-40	Dismantling all type of wire fencing, including rolling wire into bundles and collecting material	230 Rft	1,470.00	1,470.00	m	20.97	20.97	4.1	
04-41	Dismantling wire netting of tennis courts and frame work	100 Sft	294.00	294.00	m2	31.63	31.63	4.1	
04-42	Dismantling cloth ceiling and supporting timber	100 Sft	551.25	551.25	m2	59.31	59.31	4.1	
04-43	Dismantling and removing road metalling	100 Cft	1,470.00	1,470.00	m3	519.13	519.13	3.9.3	
04-44	Dismantling & removing road pavement etc including screening & stacking of by-products upto 50m.	100 Sft	9,643.20	9,643.20	m2	1,037.61	1,037.61	3.9.2	
04-45-a	Scraping : White wash or colour wash	100 Sft	183.75	183.75	m2	19.77	19.77	4.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 04 DISMANTLING (DEMOLITION)

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
04-45-b	Scraping : Ordinary distemper, oil bound distemper or paint off wall	100 Sft	551.25	551.25	m2	59.31	59.31	4.1	
04-46	Dismantling glazed or accoustics tiles etc	100 Sft	2,205.00	2,205.00	m2	237.26	237.26	4.1	
04-47	Scraping boulders.	100 Cft	2,498.26	2,498.26	m3	882.25	882.25	4.1	
04-48	Cleaning mortar of old stones to be used in masonry	100 Cft	1,286.25	1,286.25	m3	454.24	454.24	4.1	
04-49	Dismantling light, fan and call bell point including casing, capping/strip open type complete	Point	88.20	88.20	Point	88.20	88.20	4.1, 4.4 , 4.7	
04-50	Dismantling plug point & making good damaged surface (building portion)	Point	73.50	73.50	Point	73.50	73.50	4.1	
04-51-a	Dismantle GI/MS conduit/GI flexible/PVC pipes or conduit wiring of all sizes : On surface	Rft	16.91	16.91	m	55.46	55.46	4.1 , 4.4	
04-51-b	Dismantle GI/MS conduit/GI flexible/PVC pipes or conduit wiring of all sizes : Recessed in wall	Rft	26.90	26.90	m	88.26	88.26	4.1 , 4.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 05 MORTAR

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
05-01	Lime Sand Mortar 1 : 2 (one Lime: 2 Sand)	100 Cft	2,756.25	17,984.00	m3	973.36	6,351.00	5.1	
05-02	Lime Sand Mortar 1 : 3 (one Lime: 3 Sand)	100 Cft	2,756.25	15,186.86	m3	973.36	5,363.19	5.1	
05-03	Lime Surkhi Mortar 1 : 1-1/2 (one Lime: 1-1/2 Surkhi)	100 Cft	2,756.25	15,256.97	m3	973.36	5,387.95	5.1	
05-04	Lime Surkhi Mortar 1 : 2 (one Lime: 2 Surkhi)	100 Cft	2,756.25	15,371.68	m3	973.36	5,428.46	5.1	
05-05	Lime Surkhi Mortar 1 : 3 (one Lime: 3 Surkhi)	100 Cft	2,756.25	12,446.82	m3	973.36	4,395.56	5.1	
05-06	Lime Sand And Surkhi Mortar 1 : 1 : 1 (one Lime: 1 Sand And : 1 Surkhi)	100 Cft	2,756.25	16,141.18	m3	973.36	5,700.21	5.1	
05-07	Lime Sand And Surkhi Mortar 1 : 2 : 1 (one Lime: 2 Sand And : 1 Surkhi)	100 Cft	2,756.25	12,149.00	m3	973.36	4,290.38	5.1	
05-08	Lime, Cement And Sand Mortar 1 : 1 : 3 (one Lime: One Cement And : 3 Sand)	100 Cft	2,756.25	27,317.87	m3	973.36	9,647.22	5.2.4	
05-09	Lime, Cement And Sand Mortar 1 : 1 : 4 (one Lime: One Cement And : 4 Sand)	100 Cft	2,756.25	23,933.72	m3	973.36	8,452.12	5.2.4	
05-10	Lime, Cement And Sand Mortar 1 : 1 : 5 (one Lime: One Cement And : 5 Sand)	100 Cft	2,756.25	21,532.92	m3	973.36	7,604.29	5.2.4	
05-11	Lime, Cement And Sand Mortar 1 : 1 : 6 (one Lime: One Cement And : 6 Sand)	100 Cft	2,756.25	17,990.93	m3	973.36	6,353.44	5.2.4	
05-12	Lime, Cement And Sand Mortar 1 : 1 : 7 (one Lime: One Cement And : 7sand)	100 Cft	2,756.25	16,478.12	m3	973.36	5,819.20	5.2.4	
05-13	Lime, Cement And Sand Mortar 1 : 1 : 8 (one Lime: One Cement And : 8 Sand)	100 Cft	2,756.25	15,149.36	m3	973.36	5,349.95	5.2.4	
05-14	Lime, Cement And Sand Mortar 1 : 1 : 9 (one Lime: One Cement And : 9 Sand)	100 Cft	2,756.25	14,332.62	m3	973.36	5,061.52	5.2.4	
05-15	Lime, Cement And Sand Mortar 1 : 1 : 10 (one Lime: One Cement and : 10 Sand)	100 Cft	2,756.25	13,468.71	m3	973.36	4,756.43	5.2.4	
05-16	Cement, Lime And Sand Mortar 1 : 2 : 6 (one Cement: 2 Lime And : 6 Sand)	100 Cft	2,756.25	19,559.49	m3	973.36	6,907.38	5.2.4	
05-17	Cement, Lime And Sand Mortar 1 : 2 : 9 (one Cement: 2 Lime And : 9 Sand)	100 Cft	2,756.25	16,733.10	m3	973.36	5,909.24	5.2.4	
05-18	Cement Sand Mortar 1 : 1 (one Cement: One Sand)	100 Cft	2,205.00	38,577.60	m3	778.69	13,623.56	5.2.2	
05-19	Cement Sand Mortar 1 : 1-1/2 (one Cement: 1-1/2 Sand)	100 Cft	2,205.00	32,112.72	m3	778.69	11,340.51	5.2.2	
05-20	Cement Sand Mortar 1 : 2 (one Cement: 2 Sand)	100 Cft	2,205.00	27,805.80	m3	778.69	9,819.54	5.2.2	
05-21	Cement Sand Mortar 1 : 2-1/2 (one Cement: 2-1/2 Sand)	100 Cft	2,205.00	24,719.98	m3	778.69	8,729.79	5.2.2	
05-22	Cement Sand Mortar 1 : 3 (one Cement: 3 Sand)	100 Cft	2,205.00	22,411.12	m3	778.69	7,914.42	5.2.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 05 MORTAR

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
05-23	Cement Sand Mortar 1 : 4 (one Cement: 4 Sand)	100 Cft	2,205.00	19,176.98	m3	778.69	6,772.29	5.2.2	
05-24	Cement Sand Mortar 1 : 5 (one Cement: 5 Sand)	100 Cft	2,205.00	17,020.24	m3	778.69	6,010.65	5.2.2	
05-25	Cement Sand Mortar 1 : 6 (one Cement: 6 Sand)	100 Cft	2,205.00	15,483.90	m3	778.69	5,468.09	5.2.2	
05-26	Cement Sand Mortar 1 : 7 (one Cement: 7 Sand)	100 Cft	2,205.00	14,327.47	m3	778.69	5,059.70	5.2.2	
05-27	Cement Sand Mortar 1 : 8 (one Cement: 8 Sand)	100 Cft	2,205.00	13,432.08	m3	778.69	4,743.50	5.2.2	
05-28	Clay Mortar.	100 Cft	3,858.75	3,918.50	m3	1,362.71	1,383.81	5.2.1	
05-29	Clay Mortar Mixed With Chipped Bhoosa Or Straw.	100 Cft	3,858.75	5,511.74	m3	1,362.71	1,946.46	5.2.1	
05-30	Clay Mortar Mixed With Cow-dung 1 : 1 (1 Clay: 1 Cow Dung).	100 Cft	2,021.25	3,792.74	m3	713.80	1,339.39	5.2	
05-31	White Cement And Sand Mortar 1 : 3 (1 White Cement 3 Sand)	100 Cft	2,205.00	45,584.16	m3	778.69	16,097.91	5.1	
05-32	Coloured Cement Mortar Made By Mixing White Cement And Pigment Of Approved Shade (1 White Cement Mixed With Pigment Of Approved Shade: 2 Sand)	100 Cft	2,205.00	103,598.72	m3	778.69	36,585.57	5.2.2	
05-33	White Cement And Sand Mortar 1 : 2 (1 White Cement 2 Sand)	100 Cft	2,205.00	60,133.95	m3	778.69	21,236.13	5.2.2	
05-34	Coloured Cement Mortar Made By Mixing Grey Cement And Pigment Of Approved Shade (1 Grey Cement Mixed With Pigment Of Approved Shade: 2 Sand)	100 Cft	2,205.00	103,598.72	m3	778.69	36,585.57	5.2.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-01	Mud concrete in foundation using brick ballast or stone ballast 1.5" gauge to 2" gauge	100 Cft	3,314.85	5,549.50	m3	1,170.63	1,959.79		TO BE DELETED
06-02	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" gauge	100 Cft	2,205.00	3,795.54	m3	778.69	1,340.39	6.1.4.8	
06-03-a	Cement Concrete (brick/stone ballast, 1.5" to 2"/nullah shingle well graded and cleaned) in foundation & plinth (Ratio 1:3:6)	100 Cft	4,410.00	16,769.17	m3	1,557.38	5,921.98	6.1.4, 6.2.1 , 6.3	
06-03-b	Cement Concrete (brick/stone ballast, 1.5" to 2"/nullah shingle well graded and cleaned) in foundation & plinth (Ratio 1:4:8)	100 Cft	4,410.00	13,204.72	m3	1,557.38	4,663.21	6.1.4, 6.3 , 6.2	
06-03-c	Cement Concrete (brick/stone ballast, 1.5" to 2"/nullah shingle well graded and cleaned) in foundation & plinth (Ratio 1:5:10)	100 Cft	4,410.00	12,444.94	m3	1,557.38	4,394.89	6.1.4, 6.3 , 6.2	
06-03-d	Cement Concrete (brick/stone ballast, 1.5" to 2"/nullah shingle well graded and cleaned) in foundation & plinth (Ratio 1:6:12)	100 Cft	4,410.00	11,687.31	m3	1,557.38	4,127.34	6.1.4, 6.3 , 6.2	
06-03-e	Cement Concrete (brick/stone ballast, 1.5" to 2"/nullah shingle well graded and cleaned) in foundation & plinth (Ratio 1:6:18)	100 Cft	4,410.00	10,465.30	m3	1,557.38	3,695.79	6.3 , 6.2	
06-03-f	Cement Concrete (brick/stone ballast, 1.5" to 2"/nullah shingle well graded and cleaned) in foundation & plinth (Ratio 1:7:20)	100 Cft	4,410.00	10,184.36	m3	1,557.38	3,596.58	6.3 , 6.2	
06-04-a	Extra on Item 3 above, for sedimentation tank or filter beds in PHE works (in bed)	100 Cft	735.00	735.00	m3	259.56	259.56		The stone ballast, crushed bajri, round shingle from nullah, or brick ballast may be used according to their comparative cheaper rates in various areas of the province.
06-04-b	Extra on Item 3 above, for sedimentation tank or filter beds in PHE works (On slope)	100 Cft	1,029.00	1,029.00	m3	363.39	363.39		
06-05-a	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:1:2)	100 Cft	4,064.55	30,224.71	m3	1,435.38	10,673.77	6.1.3, 6.2, 6.3, 6.6, 6.11 , 6.10	
06-05-b	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:1.5:1.5)	100 Cft	4,064.55	30,029.04	m3	1,435.38	10,604.67	6.1.3, 6.2, 6.3, 6.6, 6.11 , 6.10	
06-05-c	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:1.5:3)	100 Cft	4,064.55	25,015.74	m3	1,435.38	8,834.23	6.1.3, 6.2, 6.3, 6.6, 6.11 , 6.10	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-05-d	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:3)	100 Cft	4,064.55	23,771.21	m3	1,435.38	8,394.73	6.1.3, 6.2, 6.3, 6.6, 6.11, 6.10	
06-05-e	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:3)	100 Cft	4,064.55	21,815.58	m3	1,435.38	7,704.11	6.1.3, 6.2, 6.3, 6.6, 6.11, 6.10	
06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	4,064.55	22,039.19	m3	1,435.38	7,783.07	6.1.3, 6.2, 6.3, 6.6, 6.11, 6.10	
06-05-g	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:6)	100 Cft	4,064.55	19,729.81	m3	1,435.38	6,967.52	6.1.3, 6.2, 6.3, 6.6, 6.11, 6.10	
06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	100 Cft	4,064.55	18,764.99	m3	1,435.38	6,626.80	6.1.3, 6.2, 6.3, 6.6, 6.11, 6.10	
06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	100 Cft	4,064.55	17,001.94	m3	1,435.38	6,004.18	6.1.3, 6.2, 6.3, 6.6, 6.11, 6.10	
06-06	Shotcrete (100 mm) thickness, grade B-25 as per specifications	100 Cft	5,015.93	31,355.13	m3	1,771.36	11,072.97	6.24	
06-07-a-01	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1:2)	100 Cft	8,085.00	34,247.41	m3	2,855.19	12,094.37	6.1.3, 6.2, 6.3, 6.19	1) The rate include rendering floor surface smooth, and the plastering done for making up all surfaces after removing centering.
06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	100 Cft	8,085.00	29,038.45	m3	2,855.19	10,254.84	6.1.3, 6.2, 6.3, 6.19	2) Plastering done after soffit of R.C.C roof slab meant for human habitaion buildings shall be paid extra
06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	100 Cft	8,085.00	26,061.90	m3	2,855.19	9,203.68	6.1.3, 6.2, 6.3, 6.19	3) This item shall not be applicable to factory made units.
06-07-b-01	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-06. (1:1:2)	100 Cft	8,085.00	34,247.41	m3	2,855.19	12,094.37	6.1.3, 6.2, 6.3, 6.19	
06-07-b-02	RCC in raft foundation slab, base slab of column & ret.wall etc, not including in 06-06 (1:1.5:3)	100 Cft	8,085.00	29,036.20	m3	2,855.19	10,254.05	6.1.3, 6.2, 6.3, 6.19	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-07-b-03	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-06. (1:2:4)	100 Cft	8,085.00	26,061.90	m3	2,855.19	9,203.68	6.1.3, 6.2, 6.3, 6.19	
06-07-c-01	RCC including Precast/Prestressed in slab, beam, column, lintel, girder, etc. (1:1:2)	100 Cft	8,085.00	34,247.41	m3	2,855.19	12,094.37	6.1.3, 6.2, 6.3, 6.6, 6.12, 6.17	
06-07-c-02	RCC including Precast/Prestressed in slab, beam, column, lintels, girder, etc. (1:1.5:3)	100 Cft	8,085.00	29,038.45	m3	2,855.19	10,254.84	6.1.3, 6.2, 6.3, 6.6, 6.12, 6.17	
06-07-c-03	RCC including Precast/Prestressed slab, column, beam, lintel, girder etc. (1:2:4).	100 Cft	8,085.00	26,061.90	m3	2,855.19	9,203.68	6.1.3, 6.2, 6.3, 6.6, 6.12, 6.17	
06-07-d-01	Reinforced cement concrete work as in dams, spillways, weirs, barrages, cross drainage works and other hydraulic structures using crushed stone aggregate(screening & washing) and coarse sand i/c costof all labour and material and all kinds of form works, moulds, shuttering lifting/pumping, curing, rendering and finishing the exposed surface, cast in situ/precast excluding the cost of steel reinforcement and labour for bending binding also excludig cost of additives which have to be paid separately. (1:1:2)	100 Cft	7,350.00	33,512.41	m3	2,595.63	11,834.81	6.1.3, 6.2, 6.3, 6.6, 6.19, 6.23, 6.25	
06-07-d-02	Reinforced cement concrete work as in dams, spillways, weirs, barrages, cross drainage works and other hydraulic structures using crushed stone aggregate(screening & washing) and coarse sand i/c costof all labour and material and all kinds of form works, moulds, shuttering lifting/pumping, curing, rendering and finishing the exposed surface, cast in situ/precast excluding the cost of steel reinforcement and labour for bending binding also excludig cost of additives which have to be paid separately. (1:1.5:3)	100 Cft	7,350.00	28,303.45	m3	2,595.63	9,995.28	6.1.3, 6.2, 6.3, 6.6, 6.19, 6.23, 6.25	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-07-d-03	Reinforced cement concrete work as in dams, spillways, weirs, barrages, cross drainage works and other hydraulic structures using crushed stone aggregate(screening & washing) and coarse sand i/c costof all labour and material and all kinds of form works, moulds, shuttering lifting/pumping, curing, rendering and finishing the exposed surface, cast in situ/precast excluding the cost of steel reinforcement and labour for bending binding also excludig cost of additives which have to be paid separately. (1:2:4)	100 Cft	7,350.00	25,326.90	m3	2,595.63	8,944.12	6.1.3, 6.2, 6.3, 6.6, 6.19, 6.23 , 6.25	
06-07-d-04	Reinforced Concrete Slope Protection 20 cm Thick Excluding Reinforcement	100 Cft	6,243.83	29,918.46	m3	2,204.99	10,565.61	6.1.3, 6.2, 6.3, 6.6, 6.19, 6.23 , 6.25	
06-07-d-05	Providing manhole size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia.Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff.	Each	6,397.81	13,566.78	Each	6,397.81	13,566.78	16.7.6	
06-07-e	Add extra labour for RCC in 2nd & subsequent storeys	100 Cft	2,205.00	2,205.00	m3	778.69	778.69		
06-08-a	Supply & fabricate M.S. reinforcement for cement concrete (Plain bars)	100 Kg	994.66	15,612.98	Tonne	9,946.57	156,129.80	6.19	The rate includes wastage
06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	100 Kg	994.66	14,656.98	Tonne	9,946.57	146,569.80	6.19	The rate includes wastage
06-08-c	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 40)	100 Kg	994.66	14,178.98	Tonne	9,946.57	141,789.80	6.19	The rate includes wastage
06-09	Supplying & fixing high tensile steel (Grade 250-270)wire in prestressing cables in precast girders	100 Kg	1,989.52	16,129.84	Tonne	19,895.16	161,298.41	6.17.1	The rate includes wastage & allowance for stressing of cables.



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-10	Providing and pre-stressing 1/2" (12.5 mm) dia. wire strand including cost of cable, Anchorage cone sets, corrugated steel sheath duct, PE grout vents, PE grout tube, PVC wrapping tape, steel binding wire, cement grout and grout additive including all arrangements, supply of recorded data in triplicate as per direction of the Engineer in charge	Ton	7,273.48	185,951.16	Kg	7.16	183.02	6.17	The rate includes wastage & allowance for stressing of cables.
06-11	Precast cement concrete solid or face blocks 1:2:4, including cost of templates.	100 Cft	6,615.00	23,972.28	m3	2,336.07	8,465.74	6.12 , 6.21	
06-12	Precast cem. concrete hollow blocks 1:2:4, including cost of templates & constructing wall thereof	100 Cft	14,332.50	24,640.35	m3	5,061.48	8,701.67	6.22	
06-13	Provide & fix ornamental cement jali 1:2:4 2" thick without steel.	100 Sft	5,880.00	9,072.37	m2	632.69	976.19	6.12	
06-14	Providing, Making of arch design minaret in octagonal shape of brick masonry, RCC work using and making temporary matrix and ornamental work complete in all respects	Job	8,085.00	36,237.35	Job	8,085.00	36,237.35	6.3, 6.19 , 7.1	
06-15	P/F of cement concrete railing i/e cement concrete Pillars, (Goblet Design) 18" Height PCC/Brick base and top of 12" width and 3/4" thick plastering finishing complete	Job	992.25	1,163.68	Job	992.25	1,163.68	6.3, 7.2 , 11.1	
06-16-a	Extra labour for laying concrete (plain or reinforced) From 20' upto 40' height	100 Cft	2,940.00	2,940.00	m3	1,038.25	1,038.25		
06-16-b	Extra labour for laying concrete (plain or reinforced) For every extra 10' height and part thereof	100 Cft	734.93	734.93	m3	259.54	259.54		
06-17	Extra labour for work of weirs, rails or bridges, syphons & concreting in superstructure	100 Cft	735.00	735.00	m3	259.56	259.56		
06-18	RCC spout, 2.5'x6"x5", including fixing in position	Each	551.25	842.88	Each	551.25	842.88	6.12	
06-19	Extra labour for skipping concrete in wells	100 Cft	10,657.50	10,657.50	m3	3,763.66	3,763.66		
06-20-a	Nicking cement concrete surface.	100 Sft	735.00	735.00	m2	79.09	79.09	6.11	
06-20-b	Nicking lime concrete surface.	100 Sft	242.55	242.55	m2	26.10	26.10	6.11	
06-21-a	Prepare, water and ramming surface for laying concrete (for Headworks only) Horizontal floor	100 Sft	551.25	551.25	m2	59.31	59.31	6.6	
06-21-b	Prepare, water and ramming surface for laying concrete (for Headworks only) Glacis and crest	100 Sft	918.75	918.75	m2	98.86	98.86	6.6	



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		Unit	Labour	Composite	Unit	Labour	Composite		
06-21-c	Prepare, water and ramming surface for laying concrete (for Headworks only) inverted filters	100 Sft	275.63	275.63	m2	29.66	29.66	6.6	
06-22	Providing and fixing 6" wide GI sheet 18 SWG. stopper to expansion joint.	Rft	10.51	90.92	m	34.48	298.29	6.9	
06-23	Fill expansion joints with bitumen, sand & saw dust in Ratio 1:2:2	Rft	7.35	31.40	m	24.11	103.02	6.9	
06-24-a	Filling expansion joints with bitumen	Rft	73.50	112.34	m	241.14	368.56	6.9	
06-24-b	Laying Asphaltic Mixture in Expansion Joints	Rft	51.45	76.84	m	168.80	252.11	6.9	
06-25-a	Providing and fixing of 2" thick Extruded Polystyrene at expansion joints and in roof insulation.	Sft	14.70	102.53	m2	158.17	1,103.25	9.15.8	
06-25-b	Providing and fixing 1.5" x 3/4 " Expansion Joint with one component polyurethane fuel sealant including 40 mm Baker Rod and one coat of primer but without Aluminum or steel cover.	Rft	56.08	378.73	m	183.99	1,242.55	6.9	
06-25-c	Providing and fixing 2" x 1 " Expansion Joint with one component polyurethane fuel sealant including 50 mm Baker Rod and one coat of primer but without Aluminum or steel cover.	Rft	448.06	926.06	m	1,470.00	3,038.24	6.9	
06-25-d	Providing and fixing 4.89 kg/sq.m aluminum sheet covering of approved shape and design to expansion joints of roof slabs with slotted holes with wooden gutties and screws.	Sft	36.75	184.81	m2	395.43	1,988.53	6.9	
06-25-e	Providing and fixing 4.89 kg/sq.m. aluminum sheet covering of approved shape and design to expansion joints in walls and columns including providing clamps and fixing with screws and rawal plugs or wooden gutties including making slotted holes.	Sft	162.86	339.60	m2	1,752.35	3,654.04	6.9	
06-25-f	Providing and applying polysulphide sealant of colour in expansion joint	Rft	69.76	115.56	m	228.88	379.14	6.9	
06-25-g	Provide & Fix Multiflex Expansion Joints Complete in all Respects	Rft	112.01	913.30	m	367.50	2,996.38	6.9	
06-25-h	Providing and Fixing Expansion Joint with two Extruded Aluminum Alloy Sections for 50 mm Movement of imported approved quality	Rft	401.38	5,704.47	m	1,316.88	18,715.46	6.9	
06-25-i	Providing and Fixing Expansion Joint with Cast Aluminum Alloy Triangular Teeth for 110 mm Movement	Rft	401.38	13,728.53	m	1,316.88	45,041.11	6.9	



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		Unit	Labour	Composite	Unit	Labour	Composite		
06-25-j	Providing and fixing ribbed polyvinyl chloride (PVC) water stops 8" (203 mm) wide in vertical (Walls/Columns) or horizontal (Floors/Slabs) expansion joints including cutting and jointing etc. complete in all floors .	Rft	275.63	372.59	m	904.28	1,222.40	6.9	
06-25-k	Providing and Fixing Steel Expansion Joints of approved better quality	kg	35.70	55.84	kg	35.70	55.84	16.6.8	
06-25-l	Providing and laying Steel or Metal Bearing Devices	kg	160.78	373.49	kg	160.78	373.49	16.6.8	
06-25-m	Providing and Fixing Neoprene Rubber Joint Filler 12mm thick with Bitumastic Joint Seal	Sft	183.82	302.76	m2	1,977.94	3,257.72	16.6.8.2.1	
06-26-a-01	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 1 coat bitumen (1.5" thick)	100 Sft	1,734.60	7,641.89	m2	186.64	822.27	6.20.1	
06-26-a-02	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 1 coat bitumen (2" thick)	100 Sft	1,734.60	8,326.01	m2	186.64	895.88	6.20.1	
06-26-a-03	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 1 coat bitumen (3" thick)	100 Sft	1,837.50	9,879.96	m2	197.71	1,063.08	6.20.1	
06-26-b-01	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 2 coats bitumen (1.5" thick)	100 Sft	1,734.60	8,418.64	m2	186.64	905.85	6.20.1	
06-26-b-02	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 2 coats bitumen (2" thick)	100 Sft	1,734.60	9,102.76	m2	186.64	979.46	6.20.1	
06-26-b-03	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 2 coats bitumen (3" thick)	100 Sft	1,832.65	10,651.86	m2	197.19	1,146.14	6.20.1	
06-27-a-01	Damp proof course in c/s plaster, 1 layer polythene, 1 coat bitumen Ratio 1:4 (0.5" thick)	100 Sft	1,587.60	5,960.90	m2	170.83	641.39	6.20.2	
06-27-a-02	Damp proof course in c/s plaster, 1 layer polythene, 1 coat bitumen Ratio 1:4 (0.75" thick)	100 Sft	1,587.60	6,294.70	m2	170.83	677.31	6.20.2	
06-27-a-03	Damp proof course in c/s plaster, 1 layer polythene, 1 coat bitumen Ratio 1:3 (0.5" thick)	100 Sft	1,587.60	6,054.80	m2	170.83	651.50	6.20.2	
06-27-a-04	Damp proof course in c/s plaster, 1 layer polythene, 1 coat bitumen Ratio 1:3 (0.75" thick)	100 Sft	1,587.60	6,402.33	m2	170.83	688.89	6.20.2	
06-27-a-05	Damp proof course in c/s plaster, 1 layer polythene, 1 coat bitumen Ratio 1:2 (0.5" thick)	100 Sft	1,587.60	6,289.34	m2	170.83	676.73	6.20.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
06-27-a-06	Damp proof course in c/s plaster, 1 layer polythene, 1 coat bitumen Ratio 1:2 (0.75" thick)	100 Sft	1,587.60	6,736.91	m2	170.83	724.89	6.20.2	
06-27-b-01	Damp proof course in c/s plaster, 1 layer polythene, 2 coats bitumen Ratio 1:4 (0.5" thick)	100 Sft	1,587.60	6,737.65	m2	170.83	724.97	6.20.2	
06-27-b-02	Damp proof course in c/s plaster, 1 layer polythene, 2 coats bitumen Ratio 1:4 (0.75" thick)	100 Sft	1,587.60	7,071.45	m2	170.83	760.89	6.20.2	
06-27-b-03	Damp proof course in c/s plaster, 1 layer polythene, 2 coats bitumen Ratio 1:3 (0.5" thick)	100 Sft	1,587.60	6,831.55	m2	170.83	735.07	6.20.2	
06-27-b-04	Damp proof course in c/s plaster, 1 layer polythene, 2 coats bitumen Ratio 1:3 (0.75" thick)	100 Sft	1,587.60	7,179.08	m2	170.83	772.47	6.20.2	
06-27-b-05	Damp proof course in c/s plaster, 1 layer polythene, 2 coats bitumen Ratio 1:2 (0.5" thick)	100 Sft	1,587.60	7,066.09	m2	170.83	760.31	6.20.2	
06-27-b-06	Damp proof course in c/s plaster, 1 layer polythene, 2 coats bitumen Ratio 1:2 (0.75" thick)	100 Sft	1,587.60	7,576.73	m2	170.83	815.26	6.20.2	
06-28	Providing and laying polythene sheet 0.005" thick (0.05mm 500gauge) under cement concete.	100 Sft	23.01	3,227.76	m2	2.48	347.31	9.14.3.4	
06-29	Type I Water Proofing Treatment behind wall	Sft	36.14	144.17	m2	388.84	1,551.27	9.14.6	
06-30-a-01	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:4 (0.5" thick)	100 Sft	1,587.60	5,960.90	m2	170.83	641.39	6.20.2	
06-30-a-02	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:4 (0.75" thick)	100 Sft	1,587.60	6,294.70	m2	170.83	677.31	6.20.2	
06-30-a-03	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:3 (0.5" thick)	100 Sft	1,587.60	6,054.80	m2	170.83	651.50	6.20.2	
06-30-a-04	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:3 (0.75" thick)	100 Sft	1,587.60	6,402.33	m2	170.83	688.89	6.20.2	
06-30-a-05	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:2 (0.5" thick)	100 Sft	1,587.60	6,289.34	m2	170.83	676.73	6.20.2	
06-30-a-06	V. Damp proof c/s plaster, 1 layer polythene 1 coat bitumen Ratio 1:2 (0.75" thick)	100 Sft	1,587.60	6,799.98	m2	170.83	731.68	6.20.2	
06-30-b-01	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:4 (0.5" thick)	100 Sft	1,587.60	6,737.65	m2	170.83	724.97	6.20.2	
06-30-b-02	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:4 (0.75" thick)	100 Sft	1,587.60	7,071.45	m2	170.83	760.89	6.20.2	
06-30-b-03	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:3 (0.5" thick)	100 Sft	1,587.60	6,831.55	m2	170.83	735.07	6.20.2	
06-30-b-04	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:3 (0.75" thick)	100 Sft	1,587.60	7,179.08	m2	170.83	772.47	6.20.2	
06-30-b-05	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:2 (0.5" thick)	100 Sft	1,587.60	7,066.73	m2	170.83	760.38	6.20.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
06-30-b-06	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:2 (0.75" thick)	100 Sft	1,587.60	7,576.73	m2	170.83	815.26	6.20.2	
06-31	Grouting concrete between the grooves of gates including shuttering	100 Cft	9,555.00	9,555.00	m3	3,374.32	3,374.32	6.14	
06-32	Chisel dressing concrete surface on sides of grooves	1000 Sft	3,675.00	3,675.00	m2	39.54	39.54	8.1.3.2.d	
06-33	Laying and ramming dry ballast or kankar	100 Sft	2,388.75	2,388.75	m2	257.03	257.03	6.1.4.8	
06-34	Hoisting & placing in position RCC shelves	100 No	11,510.10	11,510.10	No	115.10	115.10	6.1.3, 6.2, 6.3 , 6.19	
06-35	Benches Providing fixing 4 seated white or coloured light shade marble mosaic benches (5-1/2 ft. x 1-1/2 ft. x 1-3/4 ft.) (1676 mm x 533 mm x 457 mm) without back in white cement including cartage, loading and unloading etc. complete .	No	229.69	7,145.75	No	229.69	7,145.75	10.9.3	
06-36-a	Breaking brick ballast, screening & stacking 2" ring	100 Cft	1,837.50	1,837.50	m3	648.91	648.91	6.1.4.8	
06-36-b	Breaking brick ballast, screening & stacking 1.5" ring	100 Cft	2,058.00	2,058.00	m3	726.78	726.78	6.1.4.8	
06-36-c	Breaking brick ballast, screening & stacking 1" ring	100 Cft	2,388.75	2,388.75	m3	843.58	843.58	6.1.4.8	
06-36-d	Breaking brick ballast, screening & stacking. Jhama ballast 3/4" ring	100 Cft	2,756.25	2,756.25	m3	973.36	973.36	6.1.4.8	
06-37	Supply & fix broken glasses on court yard walls, including 1:3:6 cement concrete coping	100 Rft	2,205.00	6,041.35	m	72.34	198.21	6.1.3, 6.2, 6.3, 6.6, 6.10 , 7.7	
06-38	Crushing stone ballast by machine	100 Cft	1,837.50	1,837.50	m3	648.91	648.91	6.1.4.8	This does not include the chages for working of crushers , but manual labour for charges of stone to crusher within 100 m and also stacking the product after crushing within 100 m.
06-39-a	Breaking stone ballast screened & stacked 2" ring	100 Cft	2,058.00	2,058.00	m3	726.78	726.78	6.1.4.8.1	
06-39-b	Breaking stone ballast screened & stacked 1.5" ring	100 Cft	2,388.75	2,388.75	m3	843.58	843.58	6.1.4.8.1	
06-39-c	Breaking stone ballast screened & stacked 1" ring	100 Cft	2,756.25	2,756.25	m3	973.36	973.36	6.1.4.8.1	
06-39-d	Breaking stone ballast screened & stacked 0.5" ring	100 Cft	3,675.00	3,675.00	m3	1,297.82	1,297.82	6.1.4.8.1	
06-39-e	Breaking stone ballast screened & stacked 1/8 to 1/4" ring	100 Cft	6,247.50	6,247.50	m3	2,206.29	2,206.29	6.1.4.8.1	



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		Unit	Labour	Composite	Unit	Labour	Composite		
06-40	Screening and stacking stone ballast, shingle or bajri etc	100 Cft	588.00	588.00	m3	207.65	207.65	6.1.4.8.1	
06-41	Washing ballast, bajri or shingle	100 Cft	588.00	588.00	m3	207.65	207.65	6.1.4.8.1	
06-42	Erecting and carting sun shades of precast RCC (upto 5"x 2.5")	Each	382.20	894.85	Each	382.20	894.85	6.12	
06-43-a	S/F of pre cast slab of size 2'-6" x 1'-6" x 3" with 3/8" dia steel (Main & distribution) @ 4" c/c complete on drain.	Each	26.03	203.49	Each	26.03	203.49	6.12	
06-43-b	S/F of pre cast slab of size 3' x 1'-6" x 3" with 3/8" dia steel (Main & distribution) @ 4" c/c complete on drain.	Each	32.59	260.00	Each	32.59	260.00	6.12	
06-43-c	S/F of pre cast slab of size 3' x 2' x 3" with 3/8" dia steel (Main & distribution) @ 4" c/c complete on drain.	Each	36.86	347.08	Each	36.86	347.08	6.12	
06-43-d	S/F of pre cast slab of size 4' x 1'-6" x 4" with steel of Main bars 1/2" dia @ 3"c/c and Distribution bars 3/8" dia @ 4" c/c complete on drain.	Each	41.23	371.17	Each	41.23	371.17	6.12	
06-43-e	S/F of pre cast slab of size 5'-6" x 1'-6" x 4" with steel of Main bars 1/2" dia @ 3"c/c and Distribution bars 3/8" dia @ 4" c/c complete on drain.	Each	43.42	556.08	Each	43.42	556.08	6.12	
06-43-f	S/F of pre cast slab of size 6' x 1'-6" x 4" with steel of Main bars 1/2" dia @ 3"c/c and Distribution bars 3/8" dia @ 4" c/c complete on drain.	Each	45.61	780.41	Each	45.61	780.41	6.12	
06-43-g	S/F of pre cast slab of size 7' x 1'-6" x 4" with steel of Main bars 1/2" dia @ 3"c/c and Distribution bars 3/8" dia @ 4" c/c complete on drain.	Each	47.69	984.93	Each	47.69	984.93	6.12	
06-44-a	PCC 1:3:6 in mass concrete less formwork using 50% boulders	100 Cft	4,601.10	12,823.95	m3	1,624.86	4,528.74	6.25, 6.11, 6.10	
06-44-b	PCC 1:3:6 in mass concrete less formwork using 40% boulders	100 Cft	4,593.75	14,092.78	m3	1,622.27	4,976.82	6.25, 6.11, 6.10	
06-44-c	PCC 1:3:6 in mass concrete less formwork using 30% boulders	100 Cft	4,593.75	15,383.98	m3	1,622.27	5,432.81	6.25, 6.11, 6.10	
06-45-a	PCC 1:4:8 in mass concrete less formwork using 50% boulders	100 Cft	4,593.75	11,381.39	m3	1,622.27	4,019.30	6.25, 6.11, 6.10	
06-45-b	PCC 1:4:8 in mass concrete less formwork using 40% boulders	100 Cft	4,593.75	12,375.64	m3	1,622.27	4,370.42	6.25, 6.11, 6.10	



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		Unit	Labour	Composite	Unit	Labour	Composite		
06-45-c	PCC 1:4:8 in mass concrete less formwork using 30% boulders	100 Cft	4,593.75	13,369.89	m3	1,622.27	4,721.54	6.25, 6.11, 6.10	
06-46-a	Erection and removal of Form work with Wood Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Horizontal	100 Sft	3,307.50	5,339.00	m2	355.89	574.48	6.5	
06-46-b	Erection and removal of Form work with Wood Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Vertical	100 Sft	3,307.50	5,578.00	m2	355.89	600.19	6.5	
06-47-a	Erection and removal of Form work with Steel Surface Finshing for RCC or Plain Concrete in any shape - Position / Horizontal	100 Sft	3,307.50	6,892.50	m2	355.89	741.63	6.5	
06-47-b	Erection and removal of Form work with Steel Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Vertical	100 Sft	3,307.50	7,251.00	m2	355.89	780.21	6.5	
06-47-c	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal	100 Sft	3,123.75	9,098.75	m2	336.12	979.03	6.5	
06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	100 Sft	3,123.75	9,696.25	m2	336.12	1,043.32	6.5	
06-47-e	Add extra to the item codes 06-46 and 06-47-a to d for Erection and removal of Form work for ornamental work in RCC or Plain cement concrete.	100 Sft	1,102.50	1,102.50	m2	118.63	118.63		
06-48-a	Class A1 concrete in reinforcement/non reinforcement concrete structure with minimum cylinder compressive strength 3000 psi on 28 days other than concrete in water and piles with consistency range in slump 25-75 mm with water cement ratio 0.58	100 Cft	7,350.00	27,362.57	m3	2,595.63	9,663.01	6.1.3 , 6.3	7%
06-48-b	Class A2 cement concrete for concrete place under water with minimum cylinder compressive strength 3500 psi on 28 days with consistency range in slump 100-150 mm with water cement ratio 0.58	100 Cft	7,350.00	29,881.38	m3	2,595.63	10,552.52	6.1.3 , 6.3	
06-48-c	Class A3 cement concrete for concrete in pile with minimum cylinder compressive strenght 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58	100 Cft	7,350.00	32,221.81	m3	2,595.63	11,379.04	6.1.3 , 6.3	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-48-d	Class B concrete for concrete in pile specified works only with minimum cylinder compressive strength 2418 psi on 28 days and consistency range in slump 25-75 mm with water cement ratio 0.65	100 Cft	7,350.00	21,355.44	m3	2,595.63	7,541.61	6.1.3 , 6.3	
06-48-e	Class C concrete for concrete for cribbing or otherwise specified in special provision with minimum cylinder compressive strength 3000 psi on 28 days and consistency range in slump 25-75 mm with water cement ratio 0.58	100 Cft	7,350.00	26,210.80	m3	2,595.63	9,256.27	6.1.3 , 6.3	
06-48-f	Class D1 concrete for concrete in pre-stressed & post tensioned with minimum cylinder compressive strength 4978.12 psi on 28 days and consistency range in slump 50-100 mm with water cement ratio 0.40	100 Cft	7,350.00	36,259.09	m3	2,595.63	12,804.79	6.1.3 , 6.3	
06-48-g	Class D2 concrete for concrete in pre-stressed & post tensioned with minimum cylinder compressive strength 6045 psi on 28 days and consistency range in slump 50-100 mm with water cement ratio 0.40	100 Cft	7,350.00	38,253.92	m3	2,595.63	13,509.26	6.1.3 , 6.3	
06-48-h	Class D3 concrete for concrete in pre-stressed & post tensioned with minimum cylinder compressive strength 7112 psi on 28 days and consistency range in slump 50-100 mm with water cement ratio 0.40	100 Cft	7,350.00	41,461.13	m3	2,595.63	14,641.87	6.1.3 , 6.3	
06-48-i	Class Y concrete for concrete use as filler in steel grid, Bridge floor, in then reinforced section etc with minimum cylinder compressive strength 2575 psi on 28 days and consistency range in slump 50-100 mm with water cement ratio 0.58	100 Cft	7,350.00	26,541.93	m3	2,595.63	9,373.20	6.1.3 , 6.3	
06-48-j	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days.	100 Cft	7,350.00	20,454.09	m3	2,595.63	7,223.30	6.1.3	
06-49-a	Concrete Class A1	100 Cft	6,504.75	30,681.04	m3	2,297.13	10,834.92	6.1.3	10%
06-49-b	Concrete Class B	100 Cft	6,504.75	22,275.79	m3	2,297.13	7,866.63	6.1.3	
06-49-c	Concrete Class C	100 Cft	6,504.75	29,444.02	m3	2,297.13	10,398.07	6.1.3	
06-49-d	Concrete Class D1	100 Cft	6,504.75	44,280.10	m3	2,297.13	15,637.38	6.1.3	
06-49-e	Concrete Class Y	100 Cft	6,504.75	30,155.79	m3	2,297.13	10,649.43	6.1.3	
06-49-f	Lean concrete	100 Cft	6,504.75	21,354.51	m3	2,297.13	7,541.28	6.1.3	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 06 CONCRETE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
06-50-a	Precast Concrete, Class A1	100 Cft	6,504.75	27,621.86	m3	2,297.13	9,754.58	6.1.3 , 6.12	
06-50-b	Providing & Fixing of Precast Precast Boundary Wall Columns (6" x 6" x 10'), Horizontal Precast Planks (2" x 12" x 8'), Horizontal Coloured Strip (2" x 12" x 8') and Concrete Column Cap (9" x 9"), Excavation, P.C.C (1:4:8), P.C.C (1:2:4) with back filling, complete in all respects.	Rft	59.42	1,488.18	m	194.96	4,882.49	6.1.3 , 6.12	
06-51-a	Top Surface of Slab Panel having 2.5" thick concrete (1:2:4)	100 Sft	1,488.38	7,082.30	m2	160.15	762.06	6.26	
06-51-b	Joining of Wall and Slab Panels without mesh per running ft	100 Rft	2,443.88	3,006.96	m	80.18	98.65	6.26	
06-51-c	Plastering (1:3) of 1" thickness on single face of SCIP upto 20' height	100 Sft	2,682.75	5,108.46	m2	288.66	549.67		
06-51-d	Dismantling SCIP (Structural Concrete Insulated Panel)	100 Sft	2,205.00	2,205.00	m2	237.26	237.26	6.26	
06-51-e	Shotcreting of 1" thickness on single side of SCIP (1:2:1)	100 Sft	1,844.85	10,931.52	m2	198.51	1,176.23	6.26	
06-51-f	Panel Erection Full Length without cutting	100 Sft	1,911.00	2,092.64	m2	205.62	225.17	6.26	
06-51-g	Panel Erection Full Length with Cutting	100 Sft	2,499.00	2,771.46	m2	268.89	298.21	6.26	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-01-a	1st class brickwork in mud mortar in buildings in foundation and plinth	100 Cft	4,490.85	21,261.96	m3	1,585.93	7,508.60	5.2.1, 7.2, 7.3.1	
07-01-b	1st class brickwork in mud mortar in buildings in ground floor	100 Cft	5,968.20	22,930.51	m3	2,107.65	8,097.84	5.2.1, 7.2, 7.3.1	
07-02-a	Add extra on Item 07-01 for brickwork in First floor	100 Cft	1,102.50	1,150.30	m3	389.34	406.23		
07-02-b	Add extra on Item 07-01 for brickwork in Second floor	100 Cft	2,572.50	2,620.30	m3	908.47	925.35		
07-02-c	Add extra on Item 07-01 for brickwork in Third floor	100 Cft	4,042.50	4,090.30	m3	1,427.60	1,444.48		
07-02-d	Add extra on Item 07-01 for brickwork in Fourth & subsequent floors.	100 Cft	5,512.50	5,560.30	m3	1,946.72	1,963.60		
07-03-a	1st class brick work in mud mortar other than building Upto 20 ft. height	100 Cft	6,247.50	23,209.81	m3	2,206.29	8,196.47	5.2.1, 7.2, 7.3.1	
07-03-b	1st class brick work in mud mortar other than building Extra labour for each 5 ft. addl. height or part	100 Cft	1,102.50	1,150.30	m3	389.34	406.23	5.2.1, 7.2, 7.3.1	
07-04-a-01	1st class brick work in foundation and plinth in Cement, sand mortar 1:2	100 Cft	5,938.80	28,124.30	m3	2,097.27	9,932.01	5.2.1, 7.2, 7.3.1	
07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	100 Cft	5,938.80	26,867.13	m3	2,097.27	9,488.05	7.1, 7.2, 7.3	
07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	100 Cft	5,938.80	26,112.83	m3	2,097.27	9,221.67	5.2.2, 7.2, 7.3.1	
07-04-a-04	1st class brick work in foundation and plinth in Cement, sand mortar 1:5	100 Cft	5,938.80	25,546.89	m3	2,097.27	9,021.81	5.2.2, 7.2, 7.3.1	
07-04-a-05	1st class brick work in foundation and plinth in Cement, sand mortar 1:6	100 Cft	5,938.80	25,257.96	m3	2,097.27	8,919.77	5.2.2, 7.2, 7.3.1	
07-04-a-06	1st class brick work in foundation and plinth in Cement, sand mortar 1:7	100 Cft	5,938.80	24,989.26	m3	2,097.27	8,824.88	5.2.2, 7.2, 7.3.1	
07-04-a-07	1st class brick work in foundation and plinth in Cement, sand mortar 1:8	100 Cft	5,938.80	24,767.50	m3	2,097.27	8,746.57	5.2.2, 7.2, 7.3.1	
07-04-b-01	1st class brick work in foundation and plinth in Lime, cement,sand mortar 1:1:6	100 Cft	5,938.80	26,072.48	m3	2,097.27	9,207.42	5.2.4, 7.2, 7.3.1	
07-04-b-02	1st class brick work in foundation and plinth in Lime, cement, sand mortar 1:1:7	100 Cft	5,938.80	25,746.31	m3	2,097.27	9,092.23	5.2.4, 7.2, 7.3.1	
07-04-b-03	1st class brick work in foundation and plinth in Lime, cement, sand mortar 1:1:8	100 Cft	5,938.80	25,507.25	m3	2,097.27	9,007.81	5.2.4, 7.2, 7.3.1	
07-04-b-04	1st class brick work in foundation and plinth in Lime, cement, sand mortar 1:1:9	100 Cft	5,938.80	25,271.19	m3	2,097.27	8,924.45	5.2.4, 7.2, 7.3.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-04-b-05	1st class brick work in foundation and plinth in Lime, cement, sand mortar 1:1:10	100 Cft	5,938.80	25,107.60	m3	2,097.27	8,866.67	5.2.4, 7.2, 7.3.1	
07-04-c	1st class brick work in foundation and plinth in Lime, sand mortar 1:2	100 Cft	5,938.80	25,887.08	m3	2,097.27	9,141.94	5.2.3, 7.2, 7.3.1	
07-04-c-01	1st class brick work in foundation and plinth in lime, sand, surkhi 1:1:1	100 Cft	5,938.80	25,427.46	m3	2,097.27	8,979.63	5.2.3, 7.2, 7.3.1	
07-04-c-02	1st class brick work in foundation and plinth in lime, coarse cinder.	100 Cft	5,938.80	26,263.77	m3	2,097.27	9,274.97	5.2.3, 7.2, 7.3.1	
07-04-c-03	1st class brick work in foundation and plinth in lime, surkhi mortar 2:3	100 Cft	5,938.80	25,965.64	m3	2,097.27	9,169.69	5.2.3, 7.2, 7.3.1	
07-04-c-04	1st class brick work in foundation and plinth in lime, surkhi mortar 1:2	100 Cft	5,938.80	25,391.87	m3	2,097.27	8,967.06	5.2.3, 7.2, 7.3.1	
07-04-c-05	1st class brick work in foundation and plinth in lime, surkhi mortar 1:3	100 Cft	5,938.80	24,669.92	m3	2,097.27	8,712.11	5.2.3, 7.2, 7.3.1	
07-05-a-01	1st class brick work in ground floor Cement, sand mortar 1:2	100 Cft	7,629.30	30,006.00	m3	2,694.26	10,596.53	5.2.3, 7.2, 7.3.1	
07-05-a-02	1st class brick work in ground floor Cement, sand mortar 1:3	100 Cft	7,629.30	28,748.83	m3	2,694.26	10,152.56	5.2.2, 7.2, 7.3.1	
07-05-a-03	1st class brick work in ground floor Cement, sand mortar 1:4	100 Cft	7,629.30	27,994.53	m3	2,694.26	9,886.18	5.2.2, 7.2, 7.3.1	
07-05-a-04	1st class brick work in ground floor Cement, sand mortar 1:5	100 Cft	7,629.30	27,491.66	m3	2,694.26	9,708.60	5.2.2, 7.2, 7.3.1	
07-05-a-05	1st class brick work in ground floor Cement, sand mortar 1:6	100 Cft	7,629.30	27,139.66	m3	2,694.26	9,584.29	5.2.2, 7.2, 7.3.1	
07-05-a-06	1st class brick work in ground floor Cement, sand mortar 1:7	100 Cft	7,629.30	26,870.96	m3	2,694.26	9,489.40	5.2.2, 7.2, 7.3.1	
07-05-a-07	1st class brick work in ground floor Cement, sand mortar 1:8	100 Cft	7,629.30	26,649.20	m3	2,694.26	9,411.08	5.2.2, 7.2, 7.3.1	
07-05-b-01	1st class brick work in ground floor Lime, cement, sand mortar 1:1:6	100 Cft	7,776.30	28,094.50	m3	2,746.18	9,921.49	5.2.4, 7.2, 7.3.1	
07-05-b-02	1st class brick work in ground floor Lime, cement, sand mortar 1:1:7	100 Cft	7,776.30	27,775.01	m3	2,746.18	9,808.66	5.2.4, 7.2, 7.3.1	
07-05-b-03	1st class brick work in ground floor Lime, cement, sand mortar 1:1:8	100 Cft	7,776.30	27,518.42	m3	2,746.18	9,718.05	5.2.4, 7.2, 7.3.1	
07-05-b-04	1st class brick work in ground floor Lime, cement, sand mortar 1:1:9	100 Cft	7,776.30	27,299.89	m3	2,746.18	9,640.87	5.2.4, 7.2, 7.3.1	
07-05-b-05	1st class brick work in ground floor Lime, cement, sand mortar 1:1:10	100 Cft	7,776.30	27,136.30	m3	2,746.18	9,583.10	5.2.4, 7.2, 7.3.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-05-c	1st class brick work in ground floor Lime, sand mortar 1:2	100 Cft	7,776.30	27,915.78	m3	2,746.18	9,858.37	5.2.3, 7.2, 7.3.1	
07-05-c-01	1st class brick work in foundation and plinth in lime, sand, surkhi 1:1:1.	100 Cft	5,938.80	25,427.46	m3	2,097.27	8,979.63	5.2.3, 7.2, 7.3.1	
07-05-c-02	1st class brick work in Ground floor lime, coarse cinder.	100 Cft	7,776.30	28,101.27	m3	2,746.18	9,923.88	5.2.3, 7.2, 7.3.1	
07-05-c-03	1st class brick work in Ground floor lime, surkhi mortar 2:3	100 Cft	7,776.30	27,803.14	m3	2,746.18	9,818.60	5.2.3, 7.2, 7.3.1	
07-05-c-04	1st class brick work in Ground floor lime, surkhi mortar 1:2	100 Cft	7,776.30	27,229.37	m3	2,746.18	9,615.97	5.2.3, 7.2, 7.3.1	
07-05-c-05	1st class brick work in Ground floor lime, surkhi mortar 1:3	100 Cft	7,776.30	26,507.42	m3	2,746.18	9,361.02	5.2.3, 7.2, 7.3.1	
07-06-a	Add extra on item No.07-05 for brick work in First floor	100 Cft	1,102.50	1,150.30	m3	389.34	406.23		
07-06-b	Add extra on item No.07-05 for brick work in in Second floor	100 Cft	2,572.50	2,620.30	m3	908.47	925.35		
07-06-c	Add extra on item No.07-05 for brick work in Third floor	100 Cft	4,042.50	4,090.30	m3	1,427.60	1,444.48		
07-06-d	Add extra on item No.07-05 for brick work in in Fourth & subsequent floors.	100 Cft	6,615.00	6,662.80	m3	2,336.07	2,352.95		
07-07-a-01	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:2	100 Cft	6,982.50	29,359.20	m3	2,465.85	10,368.11	5.2.2, 7.2, 7.3.1	
07-07-a-02	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:3	100 Cft	7,350.00	28,469.53	m3	2,595.63	10,053.93	5.2.2, 7.2, 7.3.1	
07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	100 Cft	6,982.50	27,347.73	m3	2,465.85	9,657.77	5.2.2, 7.2, 7.3.1	
07-07-a-04	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:5	100 Cft	6,982.50	26,844.86	m3	2,465.85	9,480.18	5.2.2, 7.2, 7.3.1	
07-07-a-05	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:6	100 Cft	6,982.50	26,492.86	m3	2,465.85	9,355.87	5.2.2, 7.2, 7.3.1	
07-07-a-06	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:7	100 Cft	6,982.50	26,224.16	m3	2,465.85	9,260.98	5.2.2, 7.2, 7.3.1	
07-07-a-07	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:8	100 Cft	6,982.50	26,002.40	m3	2,465.85	9,182.67	5.2.2, 7.2, 7.3.1	
07-07-b-01	1st class brick work other than building upto 10 ft. height : Lime, cement, sand mortar 1:1:6	100 Cft	6,982.50	27,307.38	m3	2,465.85	9,643.52	5.2.4, 7.2, 7.3.1	
07-07-b-02	1st class brick work other than building upto 10 ft. height : Lime, cement, sand mortar 1:1:7	100 Cft	6,982.50	26,982.47	m3	2,465.85	9,528.78	5.2.4, 7.2, 7.3.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-07-b-03	1st class brick work other than building upto 10 ft. height : Lime, cement, sand mortar 1:1:8	100 Cft	6,982.50	26,724.62	m3	2,465.85	9,437.72	5.2.4, 7.2, 7.3.1	
07-07-b-04	1st class brick work other than building upto 10 ft. height : Lime, cement, sand mortar 1:1:9	100 Cft	6,982.50	26,506.09	m3	2,465.85	9,360.55	5.2.4, 7.2, 7.3.1	
07-07-b-05	1st class brick work other than building upto 10 ft. height : Lime, cement, sand mortar 1:1:10	100 Cft	6,982.50	26,342.50	m3	2,465.85	9,302.77	5.2.4, 7.2, 7.3.1	
07-07-c	1st class brick work other than building upto 10 ft. height : Lime, sand mortar 1:2	100 Cft	6,982.50	27,121.98	m3	2,465.85	9,578.05	5.2.4, 7.2, 7.3.1	
07-07-c-01	1st class brick work in other than building upto 10 ft height in lime, sand, surkhi 1:1:1	100 Cft	6,982.50	26,662.46	m3	2,465.85	9,415.77	5.2.3, 7.2, 7.3.1	
07-07-c-02	1st class brick work in other than building upto 10 ft height in lime, coarse cinder 1:1	100 Cft	6,982.50	27,501.54	m3	2,465.85	9,712.09	5.2.3, 7.2, 7.3.1	
07-07-c-03	1st class brick work in other than building upto 10 ft height in lime, surkhi mortar 2:3	100 Cft	6,982.50	27,200.54	m3	2,465.85	9,605.79	5.2.3, 7.2, 7.3.1	
07-07-c-04	1st class brick work in other than building upto 10 ft height in lime, surkhi mortar 1:2	100 Cft	5,880.00	25,524.27	m3	2,076.50	9,013.82	5.2.3, 7.2, 7.3.1	
07-07-c-05	1st class brick work in other than building upto 10 ft height in lime, surkhi mortar 1:3	100 Cft	7,776.30	26,698.62	m3	2,746.18	9,428.54	5.2.3, 7.2, 7.3.1	
07-08	Add extra on item No. 07-07 for every 10 ft. additional height, or part thereof	100 Cft	1,102.50	1,140.74	m3	389.34	402.85		
07-09	Extra labour for arch work in brick masonry, including labour for centring and decentring	100 Cft	2,940.00	3,035.60	m3	1,038.25	1,072.01		
07-10	Extra for 1st class brick work in steining of wells or any other circular masonry.	100 Cft	1,837.50	2,665.64	m3	648.91	941.36		
07-11	Extra labour for profile & flared walls	100 Cft	2,205.00	2,205.00	m3	778.69	778.69		
07-12-a	Extra labour for 1st class brick work in pier/abutment From 10 ft.to 20 ft. height.	100 Cft	1,470.00	1,470.00	m3	519.13	519.13		
07-12-b	Extra labour for 1st class brick work in pier/abutment Exceeding 20 ft height.	100 Cft	2,572.50	2,572.50	m3	908.47	908.47		
07-13	Extra for face work (half brick thick) using special bricks instead of first class bricks.	100 Sft	1,470.00	1,470.00	m2	158.17	158.17		This item is to be executed only on the written orders of Superintending Engineer.
07-14	Reinforced brick work in lintel of openings, laid in 1:3 cement mortar complete	100 Cft	19,117.35	39,901.34	m3	6,751.23	14,091.04	5.2.2, 7.2.2	
07-15-a	Extra for dressing or chamfering bricks for Special architectural bricks	100 No	4,777.50	4,777.50	100 No.	4,777.50	4,777.50		
07-15-b	Extra for dressing or chamfering bricks for all other purposes.	100 No	3,307.50	3,307.50	100 No.	3,307.50	3,307.50		
07-16-a	Perf. 1st class brick wall 1/2 brick thick in ground floor : Mud mortar	100 Sft	2,985.79	9,222.57	m2	321.27	992.35	5.2.1, 7.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-16-b-01	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:2	100 Sft	3,892.56	11,672.40	m2	418.84	1,255.95	5.2.2, 7.2, 7.3	
07-16-b-02	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:3	100 Sft	3,892.56	11,357.32	m2	418.84	1,222.05	5.2.2, 7.2, 7.3	
07-16-b-03	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:4	100 Sft	3,892.56	11,169.53	m2	418.84	1,201.84	5.2.2, 7.2, 7.3	
07-16-b-04	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:5	100 Sft	3,892.56	11,043.81	m2	418.84	1,188.31	5.2.2, 7.2, 7.3	
07-16-b-05	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:6	100 Sft	3,892.56	10,955.02	m2	418.84	1,178.76	5.2.2, 7.2, 7.3	
07-16-b-06	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:7	100 Sft	3,892.56	10,889.43	m2	418.84	1,171.70	5.2.2, 7.2, 7.3	
07-16-b-07	Perf. 1st class brick wall 1/2 brick thick in ground floor : Cement, sand mortar 1:8	100 Sft	3,892.56	10,836.62	m2	418.84	1,166.02	5.2.2, 7.2, 7.3	
07-16-c-01	Perf. 1st class brick wall 1/2 brick thick in ground floor : Lime, cement, sand mortar 1:1:6	100 Sft	3,892.56	9,087.16	m2	418.84	977.78	5.2.4, 7.2, 7.3	
07-16-c-02	Perf. 1st class brick wall 1/2 brick thick in ground floor : Lime, cement, sand mortar 1:1:7	100 Sft	3,892.56	9,018.28	m2	418.84	970.37	5.2.4, 7.2, 7.3	
07-16-c-03	Perf. 1st class brick wall 1/2 brick thick in ground floor : Lime, cement, sand mortar 1:1:8	100 Sft	3,892.56	8,947.90	m2	418.84	962.79	5.2.4, 7.2, 7.3	
07-16-c-04	Perf. 1st class brick wall 1/2 brick thick in ground floor : Lime, cement, sand mortar 1:1:9	100 Sft	3,892.56	8,885.26	m2	418.84	956.05	5.2.4, 7.2, 7.3	
07-16-c-05	Perf. 1st class brick wall 1/2 brick thick in ground floor : Lime, cement, sand mortar 1:1:10	100 Sft	3,892.56	8,851.04	m2	418.84	952.37	5.2.4, 7.2, 7.3	
07-16-d	Perf. 1st class brick wall 1/2 brick thick in ground floor : Lime, sand mortar 1:2	100 Sft	3,892.56	9,034.45	m2	418.84	972.11	5.2.3, 7.2, 7.3	
07-17-a	Add extra on item No. 07-16 for 1st class brick work in First floor	100 Sft	551.25	589.49	m2	59.31	63.43		
07-17-b	Add extra on item No. 07-16 for 1st class brick work in Second floor	100 Sft	1,286.25	1,324.49	m2	138.40	142.52		
07-17-c	Add extra on item No. 07-16 for 1st class brick work in Third floor	100 Sft	2,021.25	2,069.05	m2	217.49	222.63		
07-17-d	Add extra on item No. 07-16 for 1st class brick work in Fourth & subsequent floors.	100 Sft	3,307.50	3,374.42	m2	355.89	363.09		
07-18-a	Perf. 1st class brick wall 1 brick thick in ground floor : Mud mortar	100 Sft	4,478.87	13,055.63	m2	481.93	1,404.79	7.19	
07-18-b-01	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:2	100 Sft	5,747.70	17,031.65	m2	618.45	1,832.61	5.2.2, 7.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-18-b-02	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:3	100 Sft	5,747.70	16,403.07	m2	618.45	1,764.97	5.2.2 , 7.2	
07-18-b-03	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:4	100 Sft	5,747.70	16,025.92	m2	618.45	1,724.39	5.2.2 , 7.2	
07-18-b-04	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:5	100 Sft	5,747.70	15,774.48	m2	618.45	1,697.33	5.2.2 , 7.2	
07-18-b-05	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:6	100 Sft	5,747.70	15,596.90	m2	618.45	1,678.23	5.2.2 , 7.2	
07-18-b-06	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:7	100 Sft	5,747.70	15,460.35	m2	618.45	1,663.53	5.2.2 , 7.2	
07-18-b-07	Perf. 1st class brick wall 1 brick thick in ground floor : Cement, sand mortar 1:8	100 Sft	5,747.70	15,353.41	m2	618.45	1,652.03	5.2.2 , 7.2	
07-18-c-01	Perf. 1st class brick wall 1 brick thick in ground floor : Lime, cement, sand mortar 1:1:6	100 Sft	5,747.70	16,005.74	m2	618.45	1,722.22	5.2.4 , 7.2	
07-18-c-02	Perf. 1st class brick wall 1 brick thick in ground floor : Lime, cement, sand mortar 1:1:7	100 Sft	5,747.70	15,839.95	m2	618.45	1,704.38	5.2.4 , 7.2	
07-18-c-03	Perf. 1st class brick wall 1 brick thick in ground floor : Lime, cement, sand mortar 1:1:8	100 Sft	5,747.70	15,725.89	m2	618.45	1,692.11	5.2.4 , 7.2	
07-18-c-04	Perf. 1st class brick wall 1 brick thick in ground floor : Lime, cement, sand mortar 1:1:9	100 Sft	5,747.70	15,605.09	m2	618.45	1,679.11	5.2.4 , 7.2	
07-18-c-05	Perf. 1st class brick wall 1 brick thick in ground floor : Lime, cement, sand mortar 1:1:10	100 Sft	5,747.70	15,526.52	m2	618.45	1,670.65	5.2.4 , 7.2	
07-18-d	Perf. 1st class brick wall 1 brick thick in ground floor : Lime, sand mortar 1:2	100 Sft	5,747.70	15,845.70	m2	618.45	1,705.00	5.2.4 , 7.2	
07-19-a	Add extra on item No. 07-18 for perf. 1st class brick work in First floor	100 Sft	830.55	830.55	m2	89.37	89.37		
07-19-b	Add extra on item No. 07-18 for perf. 1st class brick work in Second floor	100 Sft	2,572.50	2,572.50	m2	276.80	276.80		
07-19-c	Add extra on item No. 07-18 for perf. 1st class brick work in Third floor	100 Sft	4,593.75	4,593.75	m2	494.29	494.29		
07-19-d	Add extra on item No. 07-18 for perf. 1st class brck work in Fourth & subsequent floors	100 Sft	6,615.00	6,615.00	m2	711.77	711.77		
07-20-a	Fire brick masonry in fire-clay mortar Upto 20 ft. height including all charges	100 Cft	7,717.50	21,395.65	m3	2,725.41	7,555.81	7.2 , 7.3.4	
07-20-b	Fire brick masonry in fire-clay mortar. Extra for every 5 ft. additional height, or part thereof	100 Cft	1,102.50	1,198.10	m3	389.34	423.11	5, 7.2 , 7.3.4	
07-21-a	1st class brick wall laid in 1:3 c/s mortar reinf d 4.5" thick wall with hoop iron bonding 6" apart	100 Sft	2,658.68	10,960.17	m2	286.07	1,179.31	5.2.2, 7.2.2 , 7.3.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-21-b	1st class brick wall laid in 1:3 c/s mortar reinf d 4.5" thick wall with hoop iron bonding 12" apart	100 Sft	2,658.68	10,948.41	m2	286.07	1,178.05	5.2.2, 7.2.2, 7.3.1	
07-21-c	1st class brick wall laid in 1:3 c/s mortar reinf d 3" thick	100 Sft	2,070.68	7,704.38	m2	222.81	828.99	5.2.2, 7.2.2, 7.3.1	
07-21-d	1st class brick wall laid in 1:3 c/s mortar reinf d 3" thick wall with hoop iron banding 12" apart	100 Sft	2,113.13	7,735.06	m2	227.37	832.29	5.2.2, 7.2.2, 7.3.1	
07-22	Ghilafi work (1.5 brick thick wall)	100 Cft	8,452.50	20,327.10	m3	2,984.98	7,178.45	7.1, 7.2, 7.15.2	
07-23-a	Dry brick pitching	100 Cft	2,940.00	19,532.57	m3	1,038.25	6,897.87	7.1, 7.2	
07-23-b	Brick Paving (Single Course)	100 Sft	3,141.02	8,241.25	m2	337.97	886.76	16.3.19	
07-23-c	Brick Paving (Double Course)	100 Sft	5,872.43	14,705.82	m2	631.87	1,582.35	16.3.19	
07-24	Sun dried bricks in mud mortar	100 Cft	4,961.25	11,891.30	m3	1,752.05	4,199.38	7.15	
07-25	Pise wall (mud walling)	100 Cft	2,511.25	4,592.63	m3	886.84	1,621.87	7.20	
07-26-a	Eave brick moulded in 1:3 c/s mortar 3" thick drip course cornice	100 Rft	4,042.50	8,564.42	m	132.63	280.98	7.11	
07-26-b	Eave brick moulded in 1:3 c/s mortar 4.5" thick drip course cornice	100 Rft	4,593.75	10,995.32	m	150.71	360.74	7.11	
07-26-c	Eave brick moulded in 1:3 c/s mortar 4.5" thick eave brick with back brick	100 Rft	3,858.75	10,902.07	m	126.60	357.68	7.11	
07-27-a	Laying dressed or moulded brick cornices in c/s mortar, plaster or paint (1 brick)	100 Rft	4,593.75	6,752.37	m	150.71	221.53	7.9	
07-27-b	Laying dressed or moulded brick cornices c/s mortar, plaster or paint (2 brick)	100 Rft	6,798.75	13,408.21	m	223.06	439.90	7.9	
07-27-c	Laying dressed or moulded brick cornices c/s mortar, plaster or paint (3 brick)	100 Rft	9,062.55	20,693.18	m	297.33	678.91	7.9	
07-27-d	Laying dressed or moulded brick cornices c/s mortar, plaster or paint (4 brick)	100 Rft	11,392.50	28,269.37	m	373.77	927.47	7.9	
07-28	Cleaning bricks dismantled from kacha pacca masonry	1000 No.	735.00	735.00	1000 No.	735.00	735.00	4.1	
07-29	Scraping bricks dismantled from 1st class masonry	1000 No.	1,470.00	1,470.00	1000 No.	1,470.00	1,470.00	4.1	
07-30	Supplying and filling sand under floor or plugging in wells	100 Cft	225.65	3,643.34	m3	79.69	1,286.64	3.10	
07-31	Provide & lay 2" thick & 15" projected tile band, laid in 1:2 c/s mortar	100 Rft	11,300.63	13,073.17	m	370.76	428.91	7.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-32-a	First class brick tiles clad by laying tiles in stretcher course, in cement sand mortar 1:3	100 Sft	3,004.31	8,655.55	m2	323.26	931.34	5.2.2, 7.7, 7.3.1	This item is to be executed only on the written orders of Superintending Engineer.
07-32-b	First class brick tiles clad by laying tiles in stretcher course, in cement sand mortar 1:4	100 Sft	3,004.31	8,475.13	m2	323.26	911.92	5.2.2, 7.7, 7.3.1	
07-33	Chamfering sides of head regulators and masonry walls to increase width	100 Sft	8,811.18	8,811.18	m2	948.08	948.08	24.3.6.24.1	
07-34	Extra labour for drains of bath rooms etc	100 Rft	6,586.33	6,586.33	m	216.09	216.09		Payable in addition to brickwork
07-35	Maroo corners	Each	286.65	286.65	Each	286.65	286.65		Payable in addition to brickwork
07-36-a	Masonry with Facing/Special Bricks in cement sand mortar 1:2 upto 10 ft. height (4-1/2" thick)	100Cft	7,960.05	43,600.09	m3	2,811.07	15,397.24	7.1, 7.2	
07-36-b	Masonry using Facing/Special bricks in cement sand mortar 1:3 upto 10 ft. height (4-1/2" thick)	100Cft	7,776.30	42,159.48	m3	2,746.18	14,888.49	7.1, 7.2	
07-36-c	Masonry using Facing/Special bricks in cement sand mortar 1:4 upto 10 ft. height (4-1/2" thick)	100Cft	7,776.30	41,404.87	m3	2,746.18	14,622.01	7.1, 7.2	
07-37	Add extra on Item 07-38 for every 10 ft additional height or part thereof	100Cft	393.23	405.65	m3	138.87	143.26		
07-38	Masonry with /Special Bricks in 1:3 c/s mortar in circular core wall of Overhead Reservoir	100Cft	13,744.50	51,707.77	m3	4,853.83	18,260.44	7.1, 7.2	
07-39-a	Providing and Fixing Face Work with Brick Tiles (Gutka) of size 2" x 2" x 9" on interior, exterior wall with cement sand mortar 1:3 including ties and scaffolding complete in all respects.	100 Sft	1,470.00	19,782.52	m2	158.17	2,128.60	7.1, 7.2	
07-39-b	Providing and Fixing Face Work with Brick Tiles (Gutka) of size 3" x 3" x 9" on interior, exterior wall with cement sand mortar 1:3 including ties and scaffolding complete in all respects.	100 Sft	1,470.00	18,445.72	m2	158.17	1,984.76	7.1, 7.2	
07-40-a	Hollow Block Masonry in walls upto 20 feet height in 1:2 cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	16,788.63	m3	1,427.60	5,928.85	6.22	
07-40-b	Hollow Block Masonry in walls upto 20 feet height in 1:3 cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	16,167.93	m3	1,427.60	5,709.66	6.22	
07-40-c	Hollow Block Masonry in walls upto 20 feet height in 1:4 cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	15,782.90	m3	1,427.60	5,573.68	6.22	



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Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-40-d	Hollow Block Masonry in walls upto 20 feet height in 1:5 cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	15,531.46	m3	1,427.60	5,484.89	6.22	
07-40-e	Hollow Block Masonry in walls upto 20 feet height in 1:6cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	15,377.08	m3	1,427.60	5,430.37	6.22	
07-40-f	Hollow Block Masonry in walls upto 20 feet height in 1:7 cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	15,222.69	m3	1,427.60	5,375.85	6.22	
07-40-g	Hollow Block Masonry in walls upto 20 feet height in 1:8 cement sand mortar using Hollow Block 16"x8"x8" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,042.50	15,109.13	m3	1,427.60	5,335.74	6.22	
07-41-a	Hollow Block Masonry in walls upto 20 feet height in 1:2 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	20,480.66	m3	1,658.61	7,232.68	6.22	
07-41-b	Hollow Block Masonry in walls upto 20 feet height in 1:3 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	19,726.36	m3	1,658.61	6,966.30	6.22	
07-41-c	Hollow Block Masonry in walls upto 20 feet height in 1:4 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	19,273.78	m3	1,658.61	6,806.48	6.22	
07-41-d	Hollow Block Masonry in walls upto 20 feet height in 1:5 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	18,972.06	m3	1,658.61	6,699.93	6.22	
07-41-e	Hollow Block Masonry in walls upto 20 feet height in 1:6 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	18,757.55	m3	1,658.61	6,624.17	6.22	
07-41-f	Hollow Block Masonry in walls upto 20 feet height in 1:7 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	18,599.64	m3	1,658.61	6,568.41	6.22	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

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Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-41-g	Hollow Block Masonry in walls upto 20 feet height in 1:8 cement sand mortar using Hollow Block 16"x8"x6" factory manufactured with 1.5" wall thickness and strenght of 1200 psi.	100Cft	4,696.65	18,469.19	m3	1,658.61	6,522.34	6.22	
07-42-a	Hollow Block Masonry in walls upto 20 feet height in 1:2 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	26,150.49	m3	1,915.58	9,234.97	6.22	
07-42-b	Hollow Block Masonry in walls upto 20 feet height in 1:3 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	25,272.04	m3	1,915.58	8,924.75	6.22	
07-42-c	Hollow Block Masonry in walls upto 20 feet height in 1:4 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	24,742.46	m3	1,915.58	8,737.73	6.22	
07-42-d	Hollow Block Masonry in walls upto 20 feet height in 1:5 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	24,390.45	m3	1,915.58	8,613.41	6.22	
07-42-e	Hollow Block Masonry in walls upto 20 feet height in 1:6 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	24,145.70	m3	1,915.58	8,526.98	6.22	
07-42-f	Hollow Block Masonry in walls upto 20 feet height in 1:7 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	23,957.54	m3	1,915.58	8,460.53	6.22	
07-42-g	Hollow Block Masonry in walls upto 20 feet height in 1:8 cement sand mortar using Hollow Block 16"x8"x4" factory manufactured with 1.25" wall thickness and strenght of 1200 psi.	100Cft	5,424.30	23,800.37	m3	1,915.58	8,405.03	6.22	
07-43-a	Solid Block Masonry in walls upto 20 feet height in 1:2 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strenght of 2100 psi.	100Cft	4,042.50	22,479.68	m3	1,427.60	7,938.63	6.21	
07-43-b	Solid Block Masonry in walls upto 20 feet height in 1:3 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strenght of 2100 psi.	100Cft	4,042.50	21,858.98	m3	1,427.60	7,719.43	6.21	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-43-c	Solid Block Masonry in walls upto 20 feet height in 1:4 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strength of 2100 psi.	100Cft	4,042.50	21,473.94	m3	1,427.60	7,583.46	6.21	
07-43-d	Solid Block Masonry in walls upto 20 feet height in 1:5 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strength of 2100 psi.	100Cft	4,042.50	21,222.51	m3	1,427.60	7,494.67	6.21	
07-43-e	Solid Block Masonry in walls upto 20 feet height in 1:6 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strength of 2100 psi.	100Cft	4,042.50	21,068.12	m3	1,427.60	7,440.14	6.21	
07-43-f	Solid Block Masonry in walls upto 20 feet height in 1:7 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strength of 2100 psi.	100Cft	4,042.50	20,913.73	m3	1,427.60	7,385.62	6.21	
07-43-g	Solid Block Masonry in walls upto 20 feet height in 1:8 cement sand mortar using 16"x8"x8" factory manufactured solid blocks with strength of 2100 psi.	100Cft	4,042.50	20,800.17	m3	1,427.60	7,345.52	6.21	
07-44-a	Solid Block Masonry in walls upto 20 feet height in 1:2 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	17,642.42	m3	1,658.61	6,230.37	6.21	
07-44-b	Solid Block Masonry in walls upto 20 feet height in 1:3 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	16,888.12	m3	1,658.61	5,963.99	6.21	
07-44-c	Solid Block Masonry in walls upto 20 feet height in 1:4 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	16,435.54	m3	1,658.61	5,804.16	6.21	
07-44-d	Solid Block Masonry in walls upto 20 feet height in 1:5 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	16,133.82	m3	1,658.61	5,697.61	6.21	
07-44-e	Solid Block Masonry in walls upto 20 feet height in 1:6 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	15,919.31	m3	1,658.61	5,621.86	6.21	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 07 BRICK MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
07-44-f	Solid Block Masonry in walls upto 20 feet height in 1:7 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	15,761.39	m3	1,658.61	5,566.09	6.21	
07-44-g	Solid Block Masonry in walls upto 20 feet height in 1:8 cement sand mortar using 16"x8"x6" factory manufactured solid blocks with strength of 1900 psi.	100Cft	4,696.65	15,630.95	m3	1,658.61	5,520.02	6.21	
07-45-a	Solid Block Masonry in walls upto 20 feet height in 1:2 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	37,441.61	m3	1,915.58	13,222.39	6.21	
07-45-b	Solid Block Masonry in walls upto 20 feet height in 1:3 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	36,563.16	m3	1,915.58	12,912.17	6.21	
07-45-c	Solid Block Masonry in walls upto 20 feet height in 1:4 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	36,033.58	m3	1,915.58	12,725.15	6.21	
07-45-d	Solid Block Masonry in walls upto 20 feet height in 1:5 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	35,681.57	m3	1,915.58	12,600.84	6.21	
07-45-e	Solid Block Masonry in walls upto 20 feet height in 1:6 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	35,436.82	m3	1,915.58	12,514.41	6.21	
07-45-f	Solid Block Masonry in walls upto 20 feet height in 1:7 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	35,248.66	m3	1,915.58	12,447.96	6.21	
07-45-g	Solid Block Masonry in walls upto 20 feet height in 1:8 cement sand mortar using 16"x8"x4" factory manufactured solid blocks with strength of 1800 psi.	100Cft	5,424.30	35,091.49	m3	1,915.58	12,392.45	6.21	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 08 STONE MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
08-01-a	Random rubble masonry in foundn. & plinth Dry masonry.	100 Cft	5,145.00	9,571.28	m3	1,816.94	3,380.07	8.12	
08-01-b	Random rubble masonry in foundn. & plinth in mud mortar	100 Cft	6,431.25	11,556.61	m3	2,271.18	4,081.18	8.12	
08-01-c-01	Random rubble masonry (Un coursed) in foundn. & plinth in lime, sand mortar 1:2	100 Cft	9,922.50	19,080.58	m3	3,504.10	6,738.25	5.2.3 , 8.12	
08-01-c-02	Random rubble masonry (Un coursed) in foundn. & plinth in lime, sand mortar, Surkhi Ratio 1:1:1	100 Cft	9,922.50	18,766.89	m3	3,504.10	6,627.47	5.2.3 , 8.12	
08-01-c-03	Random rubble masonry (Un coursed) in foundn. & plinth in lime, Surkhi Ratio 1:2	100 Cft	9,922.50	18,453.20	m3	3,504.10	6,516.69	5.2.3 , 8.12	
08-01-d-01	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:3	100 Cft	9,922.50	21,312.64	m3	3,504.10	7,526.50	5.2.3 , 8.12	
08-01-d-02	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:4	100 Cft	9,922.50	20,199.50	m3	3,504.10	7,133.39	5.2.2 , 8.12	
08-01-d-03	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:6	100 Cft	9,922.50	18,925.41	m3	3,504.10	6,683.45	5.2.2 , 8.12	
08-01-d-04	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:8	100 Cft	9,922.50	18,220.58	m3	3,504.10	6,434.54	5.2.2 , 8.12	
08-02-a	Coursed rubble masonry in foundn. & plinth dry masonry.	100 Cft	6,615.00	11,041.28	m3	2,336.07	3,899.19	8.1	
08-02-b	Coursed rubble masonry in foundn. & plinth in mud mortar	100 Cft	9,187.50	14,312.86	m3	3,244.54	5,054.54	5.2.1 , 8.10	
08-02-c-01	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in lime, sand mortar 1:2	100 Cft	11,208.75	19,839.07	m3	3,958.34	7,006.11	5.2.3 , 8.10	
08-02-c-02	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in lime, sand mortar, Surkhi Ratio 1:1:1	100 Cft	11,208.75	20,190.95	m3	3,958.34	7,130.37	5.2.3 , 8.10	
08-02-c-03	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in lime, Surkhi Ratio 1:2	100 Cft	11,208.75	19,912.29	m3	3,958.34	7,031.97	5.2.2 , 8.10	
08-02-d-01	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in cement,sand mortar : Ratio 1:3	100 Cft	11,208.75	22,456.09	m3	3,958.34	7,930.30	5.2.2 , 8.10	
08-02-d-02	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in cement,sand mortar : Ratio 1:4	100 Cft	11,208.75	21,466.63	m3	3,958.34	7,580.88	5.2.2 , 8.10	
08-02-d-03	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in cement,sand mortar : Ratio 1:6	100 Cft	11,208.75	20,326.00	m3	3,958.34	7,178.07	5.2.2 , 8.10	
08-02-d-04	Coursed rubble masonry (Hammer Dressed) in foundn. & plinth in cement,sand mortar : Ratio 1:8	100 Cft	11,208.75	19,711.89	m3	3,958.34	6,961.19	5.2.2 , 8.10	
08-03-a	Random rubble masonry in ground floor Dry masonry.	100 Cft	5,880.00	10,306.28	m3	2,076.50	3,639.63	8.12	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 08 STONE MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
08-03-b	Random rubble masonry in ground floor in mud mortar	100 Cft	7,717.50	12,853.61	m3	2,725.41	4,539.21	5.2.1 , 8.12	
08-03-c-01	Random rubble masonry in ground floor in lime, sand mortar 1:2	100 Cft	10,841.25	19,999.33	m3	3,828.55	7,062.70	5.2.3 , 8.12	
08-03-c-02	Random rubble masonry in ground floor in lime, sand mortar, Surkhi Ratio 1:1:1	100 Cft	10,841.25	19,685.64	m3	3,828.55	6,951.92	5.2.3 , 8.12	
08-03-c-03	Random rubble masonry in ground floor in lime, Surkhi Ratio 1:2	100 Cft	10,841.25	19,371.95	m3	3,828.55	6,841.15	5.2.3 , 8.12	
08-03-d-01	Random rubble masonry in ground floor in cement,sand mortar : Ratio 1:3	100 Cft	10,841.25	22,231.39	m3	3,828.55	7,850.95	5.2.2 , 8.12	
08-03-d-02	Random rubble masonry in ground floor in cement,sand mortar : Ratio 1:4	100 Cft	10,841.25	21,118.25	m3	3,828.55	7,457.85	5.2.2 , 8.12	
08-03-d-03	Random rubble masonry in ground floor in cement,sand mortar : Ratio 1:6	100 Cft	10,841.25	19,844.16	m3	3,828.55	7,007.91	5.2.2 , 8.12	
08-03-d-04	Random rubble masonry in ground floor in cement,sand mortar : Ratio 1:8	100 Cft	10,841.25	19,139.33	m3	3,828.55	6,759.00	5.2.2 , 8.12	
08-04-a	Stone Masonry Random Dry	100 Cft	2,913.83	6,194.35	m3	1,029.01	2,187.52	8.12	
08-04-b	Stone Masonry Random With Mortar Class-A	100 Cft	3,538.22	12,834.24	m3	1,249.51	4,532.37	5.2.3 , 8.12	
08-04-c	Stone Masonry Dressed Uncoursed Dry	100 Cft	3,538.22	10,170.71	m3	1,249.51	3,591.76	8.12	
08-04-d	Stone Masonry Dressed Uncoursed With Mortar	100 Cft	2,659.45	10,493.66	m3	939.18	3,705.80	5.2.3 , 8.12	
08-04-e	Roll Pointing	100 Cft	23,520.00	29,645.52	m3	8,306.02	10,469.23		
08-04-f	Stone Masonry Dressed Coursed With Mortar	100 Cft	3,584.45	11,669.38	m3	1,265.84	4,121.01	5.2.2 , 8.10	
08-05-a	Coursed rubble masonry in ground floor Dry masonry.	100 Cft	7,717.50	12,143.78	m3	2,725.41	4,288.54	8.1	
08-05-b	Coursed rubble masonry in ground floor in mud mortar	100 Cft	12,127.50	17,263.61	m3	4,282.79	6,096.59	5.2.1 , 8.10	
08-05-c-01	Coursed rubble masonry in ground floor in lime, sand mortar 1:2	100 Cft	12,678.75	21,305.96	m3	4,477.46	7,524.14	5.2.3 , 8.10	
08-05-c-02	Coursed rubble masonry in ground floor in lime, sand mortar, Surkhi Ratio 1:1:1	100 Cft	12,678.75	21,660.95	m3	4,477.46	7,649.50	5.2.3 , 8.10	
08-05-c-03	Coursed rubble masonry in ground floor in lime, Surkhi Ratio 1:2	100 Cft	12,678.75	21,381.27	m3	4,477.46	7,550.73	5.2.3 , 8.10	
08-05-d-01	Coursed rubble masonry in ground floor in cement,sand mortar : Ratio 1:3	100 Cft	12,678.75	23,926.09	m3	4,477.46	8,449.43	5.2.2 , 8.10	
08-05-d-02	Coursed rubble masonry in ground floor in cement,sand mortar : Ratio 1:4	100 Cft	12,678.75	22,936.63	m3	4,477.46	8,100.00	5.2.2 , 8.10	



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Chapter # : 08 STONE MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
08-05-d-03	Coursed rubble masonry in ground floor in cement,sand mortar : Ratio 1:6	100 Cft	12,678.75	21,802.22	m3	4,477.46	7,699.39	5.2.2 , 8.10	
08-05-d-04	Coursed rubble masonry in ground floor in cement,sand mortar : Ratio 1:8	100 Cft	12,678.75	21,212.96	m3	4,477.46	7,491.29	5.2.2 , 8.10	
08-06-a-01	Ashlar block masonry in ground floor in lime, sand mortar 1:2	100 Cft	35,218.75	44,267.42	m3	12,437.40	15,632.91	5.2.3 , 8.3	
08-06-a-02	Ashlar block masonry in ground floor in lime, sand mortar, Surkhi Ratio 1:1:1	100 Cft	35,218.75	44,058.30	m3	12,437.40	15,559.06	5.2.3 , 8.3	
08-06-a-03	Ashlar block masonry in ground floor in lime, Surkhi Ratio 1:2	100 Cft	35,218.75	46,314.43	m3	12,437.40	16,355.80	5.2.3 , 8.3	
08-06-b-01	Ashlar block masonry in ground floor in cement,sand mortar : Ratio 1:3	100 Cft	35,218.75	48,220.72	m3	12,437.40	17,029.00	5.2.2 , 8.3	
08-06-b-02	Ashlar block masonry in ground floor in cement,sand mortar : Ratio 1:4	100 Cft	35,218.75	47,478.63	m3	12,437.40	16,766.94	5.2.2 , 8.3	
08-06-b-03	Ashlar block masonry in ground floor in cement,sand mortar : Ratio 1:6	100 Cft	35,218.75	46,637.59	m3	12,437.40	16,469.93	5.2.2 , 8.3	
08-07-a-01	Ashlar fine masonry in ground floor in lime, sand mortar 1:2	100 Cft	68,630.63	81,353.41	m3	24,236.70	28,729.71	5.2.2 , 8.3	
08-07-a-02	Ashlar fine masonry in ground floor in lime, sand mortar, Surkhi Ratio 1:1:1	100 Cft	68,630.63	81,248.84	m3	24,236.70	28,692.78	5.2.3 , 8.3	
08-07-a-03	Ashlar fine masonry in ground floor in lime, Surkhi Ratio 1:2	100 Cft	68,630.63	81,144.28	m3	24,236.70	28,655.86	5.2.3 , 8.3	
08-07-b-01	Ashlar fine masonry in ground floor in cement,sand mortar : Ratio 1:3	100 Cft	68,630.63	82,097.43	m3	24,236.70	28,992.46	5.2.2 , 8.3	
08-07-b-02	Ashlar fine masonry in ground floor in cement,sand mortar : Ratio 1:4	100 Cft	68,630.63	81,726.38	m3	24,236.70	28,861.43	5.2.2 , 8.3	
08-07-b-03	Ashlar fine masonry in ground floor in cement,sand mortar : Ratio 1:6	100 Cft	68,630.63	81,312.12	m3	24,236.70	28,715.13	5.2.2 , 8.3	
08-08-a	Extra labour on items 08-03-a-01 to 08-06-b-03 for work in First floor	100 Cft	1,580.25	1,580.25	m3	558.06	558.06		
08-08-b	Extra labour on items 08-03-a-01 to 08-06-b-03 for work in Second floor	100 Cft	3,675.00	3,675.00	m3	1,297.82	1,297.82		
08-08-c	Extra labour on items 08-03-a-01 to 08-06-b-03 for work in Third floor	100 Cft	5,806.50	5,806.50	m3	2,050.55	2,050.55		
08-08-d	Extra labour on items 08-03-a-01 to 08-06-b-03 for work in Fourth & subsequent floors	100 Cft	9,261.00	9,261.00	m3	3,270.49	3,270.49		
08-09	Extra labour on items 08-03-a-01 to 08-06-b-03 for every 5' additional height, other than building	100 Cft	1,470.00	1,470.00	m3	519.13	519.13		



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 08 STONE MASONRY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
08-10	Extra labour for arch work in stone masonry including centring & decentring etc.	100 Cft	4,410.00	4,410.00	m3	1,557.38	1,557.38		
08-11-a	Extra labour for coping & caps etc	100 Cft	26,460.00	26,460.00	m3	9,344.27	9,344.27		
08-11-b	Extra labour for cornice & string course	100 Cft	26,460.00	26,460.00	m3	9,344.27	9,344.27		
08-12-a	Dressing stones : Hammer dressed	100 Sft	9,187.50	9,187.50	m2	988.58	988.58	8.2.6	a) This rate of dressing shall be paid only when supply of undressed stone is made
08-12-b	Dressing stones : Rough tooled dressed	100 Sft	17,640.00	17,640.00	m2	1,898.06	1,898.06	8.2.5	b) In case of masonry, dressing is already included and this rate shall not be added thereto
08-12-c	Dressing stones : Chisel dressed	100 Sft	21,315.00	21,315.00	m2	2,293.49	2,293.49	8.2.4	c) Only dressed surface of stone shall be measured
08-12-d	Dressing stones : Fine dressed	100 Sft	46,121.25	46,121.25	m2	4,962.65	4,962.65	8.2.3	
08-13	Dhajji walling 5"x5" thick deodar framing with stone laid in 1:6 c/s mortar & 1:4 c/s plaster	100 Sft	13,842.50	115,620.45	m2	1,489.45	12,440.75	5.2.2 , 8.15	
08-14	Provide & fix stone blocks from 2 cft. to 6 cft. each, including lift upto 20 ft.	100 Cft	49,245.00	53,547.00	m3	17,390.72	18,909.96	8.1.7	
08-15	Providing and fixing stone blocks, under 2 cft. each, including lift upto 20 ft.	100 Cft	24,255.00	28,557.00	m3	8,565.58	10,084.82	8.1.7	
08-16	Provide & lay stone/boulder dry hand packed as filling behind retaining walls or in pitching	100 Cft	1,776.25	6,616.00	m3	627.28	2,336.42	8.16 , 16.7.10	
08-17	Provide and laying Dry Stone Pitching complete in all respect	100 Sft	4,054.33	6,565.33	m2	436.25	706.43	8.17.3	
08-18	Provide and laying Grouted Stone Pitching With Bitumen Joints complete in all respect	100 Sft	6,828.37	14,366.85	m2	734.73	1,545.87	8.17.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 09 ROOFING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
09-01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	100 Sft	10,694.25	22,566.44	m2	1,150.70	2,428.15	9.2	Add extra 13%, 32% and 51% on labour rates only are 6%, 15% and 23% on composite rates for 2nd, 3rd, 4th and subsequent floors respectively.
09-02	Second class tile roofing consisting of 4" earth and 1" mud plaster with gobri leeping etc	100 Sft	8,085.00	19,447.74	m2	869.95	2,092.58	9.3	ditto
09-03	Provide & laying of Kaprail tile 6"X9" on roof top including cost of weathershield complete:	100 sft	3,285.45	8,879.56	m2	353.51	955.44	9.1.4.7	
09-04	Covering mud roof with coal tar and fine sand	100 Sft	360.15	1,650.46	m2	38.75	177.59	9.14	ditto
09-05-a	Filling spaces in between wooden battens over beams, filled with deodar wood pieces	100 Sft	1,102.50	4,994.48	m2	118.63	537.41	9.2.4	ditto
09-05-b	Filling spaces in between RCC battens, filled with PCC block 1:3:6	100 Sft	1,558.93	2,081.17	m2	167.74	223.93	9.2.4	
09-05-c	Filling spaces in between spacers filled with bricks	100 Sft	448.35	1,143.24	m2	48.24	123.01	9.2.4	
09-06	Single layer of tiles 12"x6"x2" laid over 4" earth and 1" mud plaster on top of RC roof slab	100 Sft	3,307.50	13,718.33	m2	355.89	1,476.09	9.15.3	Add extra 13%, 32% and 51% on labour rates only are 6%, 15% and 23% on composite rates for 2nd, 3rd, 4th and subsequent floors respectively.
09-07-a	Jack arch roof 4.5" thick laid in 1:5 c/s mortar a) cement concrete in haunches 1:6:12	100 Sft	11,760.00	27,409.43	m2	1,265.38	2,949.25	9.5	a) For steel part and its erection etc. Item No 25-10 and 25-14 be reffered b) Add extra 13%, 32% and 51% on labour rates only or 6%, 15% and 23% on composite rates for 2nd, 3rd, 4th and subsequent floors respectively.
09-07-b	Jack arch roof 4.5" thick laid in 1:5 c/s mortar b) cement concrete in haunches 1:3:6	100 Sft	11,760.00	28,936.04	m2	1,265.38	3,113.52	9.5	
09-08-a	Jack arch roofing 4.5"thick laid in 1:5 c/s mortar complete. Cement concrete in haunches 1:6:12	100 Sft	9,555.00	24,705.20	m2	1,028.12	2,658.28	9.5	a) For steel part and its erection etc. Item No 25-10 and 25-14 be reffered b) Add extra 13%, 32% and 51% on labour rates only or 6%, 15% and 23% on composite rates for 2nd, 3rd, 4th and subsequent floors respectively.
09-08-b	Jack arch roofing 4.5"thick laid in 1:5 cement mortar, including complete. Cement concrete in haunches 1:3:6	100 Sft	9,555.00	26,039.56	m2	1,028.12	2,801.86	9.5	
09-09	Extra for vaulted jack arch roofing	100 Sft	2,940.00	2,940.00	m2	316.34	316.34	9.5	ditto
09-10	Jack arch roofing of shingle & cement concrete 1:3:6, 4.5" at crown & 1/2" cem. plaster complete	100 Sft	9,555.00	15,406.92	m2	1,028.12	1,657.78	9.5	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 09 ROOFING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
09-11-a	Earth filling over roof including watering, ramming etc 3" thick earth filling and 1" mud plaster	100 Sft	999.60	2,018.82	m2	107.56	217.22	9.15.4	Add extra 13%, 32% and 51% on labour rates only are 6%, 15% and 23% on composite rates for subsequent floors respectively.
09-11-b	Earth filling over roof including watering, ramming etc 4" thick earth filling and 1" mud plaster	100 Sft	1,043.70	2,220.66	m2	112.30	238.94	9.15.3	
09-12	1/8" thick gobri leeping on roofs or floors	100 Sft	220.50	239.59	m2	23.73	25.78	9.14	ditto
09-13	2 coats of bitumen laid hot using 34 lbs. for %sft over roof & blinded with sand at 1 cft per % sft	100 Sft	735.00	3,264.59	m2	79.09	351.27	9.14.3	
09-14-a	Supply & fix corrugated GI sheet with GI bolts, nuts, limpet etc. complete : 20 BWG	100 Sft	2,021.25	22,183.29	m2	217.49	2,386.92	9.8	Add extra 13%, 32% and 51% on labour rates only are 6%, 15% and 23% on composite rates for 2nd, 3rd, 4th and subsequent floors respectively.
09-14-b	Supply & fix corrugated GI sheet with GI bolts, nuts, limpet etc. complete : 22 BWG	100 Sft	2,021.25	19,552.38	m2	217.49	2,103.84	9.8	
09-14-c	Supply & fix corrugated GI sheet with GI bolts, nuts, limpet etc. complete : 24 BWG	100 Sft	2,021.25	16,592.60	m2	217.49	1,785.36	9.8	
09-15	Khassi parnalas in c/s mortar 1:2, 12" outside width finished smooth with a floating coat	Rft	128.55	159.07	m	421.76	521.89	9.11.2.2	ditto
09-16	Khuras on roof 2'x2'x6"	Each	477.75	788.16	Each	477.75	788.16	9.11.1	ditto
09-17	Bottom khuras of brick masonry in c/s mortar 1:6,4'x2'x4.5" over 3" cem. concrete 1:4:8	Each	477.75	1,308.87	Each	477.75	1,308.87	9.11.1	ditto
09-18-a	Plain GI sheets 22 SWG rain water down pipe a) 4" diameter down pipe	Rft	106.48	280.93	m	349.35	921.68	9.12	ditto
09-18-b	Plain GI sheets 22 SWG rain water down pipe b) 5" diameter down pipe	Rft	106.48	310.51	m	349.35	1,018.73	9.12	
09-19	Plain galvanized iron sheet flashing, 22 guage	100 Sft	3,675.00	12,087.60	m2	395.43	1,300.63	9.12	ditto
09-20-a	Cast iron rain water down pipe fixed in position excluding heads & shoes : 4" dia	Rft	74.75	640.43	m	245.24	2,101.16	9.17	ditto
09-20-b	Cast iron rain water down pipe fixed in position excluding heads & shoes : 3" dia	Rft	74.75	500.78	m	245.24	1,642.96	9.17	
09-21	Heads for cast iron rain water down pipe fixed in place including cost of clamp holdfast and painting	Each	264.60	1,457.45	Each	264.60	1,457.45	9.17	ditto
09-22	Shoes, bends or offsets for cast iron ran water down pipe, including fixing & painting	Each	174.56	1,106.72	Each	174.56	1,106.72	9.17	ditto
09-23	Plain GI sheet spouts fixed in position, including paint	Each	349.13	588.67	Each	349.13	588.67	9.11.3	ditto



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		Unit	Labour	Composite	Unit	Labour	Composite		
09-24-a	Laying 1/2" thick deodar wood ceiling complete, including sawing, planing & fixing	100 Sft	2,205.00	32,409.34	m2	237.26	3,487.24	9.19	
09-24-b	Laying 1/2" thick biar wood ceiling complete, including sawing, planing & fixing	100 Sft	2,205.00	21,654.34	m2	237.26	2,330.01	9.19	
09-24-c	Laying 1/2" thick partal wood ceiling complete, including sawing, planing & fixing	100 Sft	2,205.00	12,094.34	m2	237.26	1,301.35	9.19	
09-25-a	Flat sheet roof with GI plain sheets, including batten rolls, screws, clips etc : 22 BWG	100 Sft	5,328.75	23,052.25	m2	573.37	2,480.42	9.7	
09-25-b	Flat sheet roof with GI plain sheets, including batten rolls, screws, clips etc : 24 BWG	100 Sft	5,328.75	21,184.09	m2	573.37	2,279.41	9.7	
09-26	Asbestos cement corrugated sheet roofing including overlaps, GI hooks, bolts, nuts etc	100 Sft	2,940.00	12,315.01	m2	316.34	1,325.10	9.9	
09-27	Extra labour for erection of GI sheets, flat sheet or asbestos sheet roofing above 20' height	100 Sft	496.13	496.13	m2	53.38	53.38		
09-28	Fixing asbestos cement sheet ridges and valleys 1/4" thick	100 Rft	3,675.00	8,729.37	m	120.57	286.40	9.9	
09-29-a	Plain GI sheet ridging including fixture complete 6" lap & 18" overall of 22 gauge GI sheet ridging	Rft	128.90	815.93	m	422.90	2,676.93	9.7	
09-29-b	Plain GI sheet ridging including fixture complete 9" lap & 24" overall, of 24 gauge GI sheet ridging	Rft	128.90	792.23	m	422.90	2,599.17	9.7	
09-29-c	Plain GI sheet ridging including fixture complete 12" lap & 30 overall, of 22 gauge GI sheet ridging	Rft	128.90	906.09	m	422.90	2,972.75	9.7	
09-30	Plain 22 gauge GI sheet gutter semi circular 8" diameter	Rft	61.65	227.15	m	202.26	745.24	9.12	
09-31	Fixing water spouse or parnala.	Each	441.00	441.00	Each	441.00	441.00	9.11	
09-32	Making masonry ventilators in c/s mortar 1:4	Each	2,205.00	2,949.84	Each	2,205.00	2,949.84	16.6.11	
09-33	Making drip course 2"x1/2" under RCC slab edges in outer opening, in c/s mortar 1:2	Rft	19.11	20.58	m	62.70	67.52	7.12	
09-34	Supply and laying of twin GI sheet 20 SWG painted with bitumen & polythene fim complete	100 Sft	5,102.74	30,082.18	m2	549.05	3,236.84	9.12	
09-35-a	Provide & lay roof insulation complete with Thermopore sheet 1/2" thick	Sft	36.14	147.08	m2	388.84	1,582.62	9.15	
09-35-b	Provide & lay roof insulation complete with Thermopore sheet 3/4" thick	Sft	36.14	146.77	m2	388.84	1,579.23	9.15	
09-35-c	Provide & lay roof insulation complete with Thermopore sheet 1" thick	Sft	36.14	149.16	m2	388.84	1,604.94	9.15	
09-36	Providing and fixing AC rain water down pipe 4" dia, with shoe, tee, bend & clamp etc	Rft	44.10	412.57	m	144.69	1,353.56	9.12	



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		Unit	Labour	Composite	Unit	Labour	Composite		
09-37-a	Making jharries in existing brick masonry For slabs upto 6" thick	Rft	59.30	61.58	m	194.54	202.04		Rate shall be increased by 1.5 times for stone masonry or PCC and 2 times for RCC
09-37-b	Making jharries in existing brick masonry For slabs exceeding 6" to 12" thick	Rft	77.41	81.56	m	253.96	267.60		
09-38-a	Making recess in existing brick masonry a) upto 1.0' height of girder or beam	Each	336.83	344.36	Each	336.83	344.36		ditto
09-38-b	Making recess in existing brick masonry b) for every 6" additional height or part thereof	Each	165.99	169.32	Each	165.99	169.32		
09-39	Hoisting RS Beams & wooden beams and placing in position	Each	735.00	735.00	Each	735.00	735.00	9.2.4	
09-40	Hoisting and placing in position sahl ballies, over roof	Each	63.28	63.28	Each	63.28	63.28	9.2.4	
09-41-a	Hoist precast RCC/pre-stressed conc. battens a) From 5' to 6' long	Each	55.86	55.86	Each	55.86	55.86	9.2.4	
09-41-b	Hoist precast RCC/pre-stressed conc. battens b) Over 6' to 7' long	Each	73.50	73.50	Each	73.50	73.50	9.2.4	
09-41-c	Hoist precast RCC/pre-stressed conc. battens c) Over 7' to 8' long	Each	91.88	91.88	Each	91.88	91.88	9.2.4	
09-41-d	Hoist precast RCC/pre-stressed conc. battens d) Over 8' to 9' long	Each	122.01	122.01	Each	122.01	122.01	9.2.4	
09-41-e	Hoist precast RCC/pre-stressed conc. battens e) Exceeding 9' length	Each	147.00	147.00	Each	147.00	147.00	9.2.4	
09-42-a	Hoisting and placing in position RCC troughs Upto 10' in length	Each	147.00	147.00	Each	147.00	147.00	9.2.4	Applicable only to roof troughs (inverted tees and trough) for heights of first storey only
09-42-b	Hoisting and placing in position RCC troughs Upto 11' in length	Each	183.75	183.75	Each	183.75	183.75	9.2.4	
09-42-c	Hoisting and placing in position RCC troughs Upto 12' in length	Each	244.02	244.02	Each	244.02	244.02	9.2.4	
09-42-d	Hoisting and placing in position RCC troughs Upto 13' in length	Each	280.77	280.77	Each	280.77	280.77	9.2.4	
09-42-e	Hoisting and placing in position RCC troughs Upto 14' in length	Each	305.76	305.76	Each	305.76	305.76	9.2.4	
09-42-f	Hoisting and placing in position RCC troughs Upto 15' in length	Each	330.75	330.75	Each	330.75	330.75	9.2.4	
09-42-g	Hoisting and placing in position RCC troughs Upto 16' in length	Each	367.50	367.50	Each	367.50	367.50	9.2.4	
09-42-h	Hoisting and placing in position RCC troughs Upto 17' in length	Each	404.25	404.25	Each	404.25	404.25	9.2.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
09-42-i	Hoisting and placing in position RCC troughs Upto 18' in length	Each	524.79	524.79	Each	524.79	524.79	9.2.4	
09-42-j	Hoisting and placing in position RCC troughs Upto 19' in length	Each	563.74	563.74	Each	563.74	563.74	9.2.4	
09-42-k	Hoisting and placing in position RCC troughs Upto 20' in length	Each	611.52	611.52	Each	611.52	611.52	9.2.4	
09-43-a	Hoist & place in position RCC inverted battens Upto 10' span	Each	110.25	110.25	Each	110.25	110.25	9.2.4	
09-43-b	Hoist & place in position RCC inverted battens Upto 12' span	Each	235.20	235.20	Each	235.20	235.20	9.2.4	
09-43-c	Hoist & place in position RCC inverted battens Upto 13' span	Each	283.71	283.71	Each	283.71	283.71	9.2.4	
09-43-d	Hoist & place in position RCC inverted battens Upto 14' span	Each	364.56	364.56	Each	364.56	364.56	9.2.4	
09-43-e	Hoist & place in position RCC inverted battens Upto 15' span	Each	399.11	399.11	Each	399.11	399.11	9.2.4	
09-43-f	Hoist & place in position RCC inverted battens Upto 16' span	Each	441.00	441.00	Each	441.00	441.00	9.2.4	
09-43-g	Hoist & place in position RCC inverted battens Upto 18' span	Each	551.25	551.25	Each	551.25	551.25	9.2.4	
09-43-h	Hoist & place in position RCC inverted battens Upto 20' span	Each	882.00	882.00	Each	882.00	882.00	9.2.4	
09-44	RCC spout including fixing in position, with top and bottom khuras	Each	586.53	897.54	Each	586.53	897.54	9.11	
09-45	P/F Burnt Brick Tile Roofing over Tee Iron and Steel Girder, in 1:6 c/s mortar (12' max span)	100 Sft	7,109.29	50,730.30	m2	764.96	5,458.58	9.3	
09-46	Providing and Laying Prestressed Roof of Slab/Girder, 2" thick PCC 1:2:4 with chicken mesh, polythene, mud, tar	Sft	62.77	303.38	m2	675.39	3,264.42	6.17 , 9.15	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10-01	Laying murum flooring complete as per specs	100 Sft	3,307.50	6,574.03	m2	355.89	707.37	10.18	
10-02	Earth flooring 6" thick consolidated layer of moistened earth, including ramming	100 Sft	1,102.50	2,189.95	m2	118.63	235.64	10.2	
10-03-a	Provide, lay, water & ram 4" thick clean coarse sand under floor / brick paving, complete	100 Sft	4,348.26	5,724.66	m2	467.87	615.97	10.4.3	
10-03-b	Provide, lay, water & ram brick ballast 1.5" to 2" guage mixed with 25% sand for floor foundations	100 Cft	3,801.42	9,358.17	m3	1,342.46	3,304.81	10.4.3	
10-04	Mud floor of 6" thick consolidated layer of moist earth & finished off with 1" mud plaster	100 Sft	2,327.50	3,891.22	m2	250.44	418.70	10.3	
10-05	Dry brick paving laid flat, sand grouted, including prep. Of bed, by 1/2" thick mud plaster	100 Sft	1,531.74	5,918.35	m2	164.82	636.81	10.13	
10-06	Dry brick on edge paving, sand grouted, including prep. Of bed, by 1/2" thick mud plaster	100 Sft	2,199.85	8,687.25	m2	236.70	934.75	10.13	
10-07	Grouting 4.5" dry brick work with cement sand mortar 1:5	100 Sft	1,470.00	2,079.26	m2	158.17	223.73	10.13	
10-08	Flat brick flooring laid in 1:6 c/s mortar over a bed of 3/4" thick cement mortar 1:6	100 Sft	2,058.00	7,376.94	m2	221.44	793.76	10.5	
10-09	Brick on edge flooring, laid in 1:6 c/s mortar, over a bed of 3/4" thick cement mortar 1:6	100 Sft	3,307.50	11,020.03	m2	355.89	1,185.76	10.5	
10-10	Brick tiles (12"x6"x2") laid in 1:6 c/s mortar, over a bed of 3/4" thick c/s mortar 1:6	100 Sft	2,572.50	7,070.48	m2	276.80	760.78	10.5	
10-11	Brick tiles (12"x6"x1.5") laid in 1:6 c/s mortar, over a bed of 3/4" thick c/s mortar 1:6 complete in all respect	100 Sft	2,572.50	6,819.53	m2	276.80	733.78	10.5	
10-12	Brick tiles (9"x4.5"x1.5") laid flat in 1:3 c/s mortar over a bed of 3/4" thick cement mortar 1:6	100 Sft	2,940.00	7,479.21	m2	316.34	804.76	10.5	
10-13	Cement concrete tiles laid in 1:2 c/s mortar over 3/4" thick bed of c/s mortar 1:2 : 18" x 12" x 1"	100sft	2,388.75	22,516.13	m2	257.03	2,422.74	10.5	
10-14-a	Cement tiles (8"x8"x3/4") laid flat in 1:2 c/s mortar, over 3/4" thick bed of c/s mortar 1:2	100sft	3,917.55	14,474.18	m2	421.53	1,557.42	10.5	
10-14-b	Cement concrete tiles laid in 1:2 c/s mortar over 3/4" thick bed of c/s mortar 1:2 : 12" x 12" x 1"	100sft	2,815.05	10,163.11	m2	302.90	1,093.55	10.5	
10-14-c	Cement concrete tiles laid in 1:2 c/s mortar over 3/4" thick bed of c/s mortar 1:2 : 9" x 9" x 3/4"	100sft	3,917.55	11,606.18	m2	421.53	1,248.82	10.5	
10-14-d	Cement concrete tiles laid in 1:2 c/s mortar over 3/4" thick bed of c/s mortar 1:2 : 6" x 6" x 3/4"	100sft	3,917.55	17,297.37	m2	421.53	1,861.20	10.5	
10-14-e	Coloured cement tile (8"x8"x3/4") of dark shade laid flat in 1:2 c/s mortar over 3/4" mortar bed	100 Sft	3,917.55	14,474.18	m2	421.53	1,557.42	10.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-15-a	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels : 1" thick	100 Sft	1,911.00	4,857.19	m2	205.62	522.63	10.4 , 10.10	If glass strips are used for paneling, it shall be paid extra as per item No. 10-47
10-15-b	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels: 1.5" thick	100 Sft	2,315.25	5,999.22	m2	249.12	645.52	10.4 , 10.10	
10-15-c	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels : 1.75" thick	100 Sft	2,315.25	6,347.85	m2	249.12	683.03	10.4 , 10.10	
10-15-d	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels : 2" thick	100 Sft	2,682.75	7,189.32	m2	288.66	773.57	10.4 , 10.10	
10-15-e	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels: 2.25" thick	100 Sft	2,793.00	7,598.90	m2	300.53	817.64	10.4 , 10.10	
10-15-f	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels: 2.5" thick	100 Sft	3,123.75	8,304.21	m2	336.12	893.53	10.4.3	
10-15-g	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels: 2.75" thick	100 Sft	3,123.75	8,660.75	m2	336.12	931.90	10.4 , 10.10	
10-15-h	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels : 3" thick	100 Sft	4,226.99	10,212.57	m2	454.82	1,098.87	10.4 , 10.10	
10-16-a	Provide & laying conglomerate floor (two coat work) with top layer of 1/2" thick wearing surface of one part of cement 2 parts of stone chips passing 3/16" sieve over bottom layer of cement concrete (1:3:6) including surface finishing & dividing in panels: 1.5" thick	100 Sft	3,650.50	7,461.95	m2	392.79	802.91	10.11	
10-16-b	Provide & laying conglomerate floor (two coat work) with top layer of 1/2" thick wearing surface of one part of cement 2 parts of stone chips passing 3/16" sieve over bottom layer of cement concrete (1:3:6) including surface finishing & dividing in panels: 1.75" thick	100 Sft	3,650.50	7,713.55	m2	392.79	829.98	10.11	
10-16-c	Provide & laying conglomerate floor (two coat work) with top layer of 1/2" thick wearing surface of one part of cement 2 parts of stone chips passing 3/16" sieve over bottom layer of cement concrete (1:3:6) including surface finishing & dividing in panels : 2" thick	100 Sft	4,348.75	8,821.86	m2	467.93	949.23	10.11	
10-17	Add extra in cement concrete floor topping if finished with pigment and polishing	100 Sft	1,102.50	1,949.16	m2	118.63	209.73		
10-18	Extra labour for each storey above ground for mosaic, conglomerate, tiles, stone & wood floor	100 Sft	874.65	874.65	m2	94.11	94.11		Applicable to item No 10-08 to 10-16, 10-19 to 10-25 and 10-28 to 10-33 and 27-64, 27-65



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-19-a	Flag stone flooring in lime mortar 1:2, over 3/4" bedding : 2" thick	100 Sft	6,183.31	9,487.71	m2	665.32	1,020.88	10.6	
10-19-b	Flag stone flooring in lime mortar 1:2, over 3/4" bedding : 3" thick	100 Sft	6,182.58	10,387.53	m2	665.25	1,117.70	10.6	
10-20-a	Asphalt floor, remelting, setting out & finish : 1" thick topping	100 Sft	2,205.00	15,716.27	m2	237.26	1,691.07	10.17	
10-20-b	Asphalt floor, remelting, setting out & finish : 1/2" thick topping	100 Sft	1,911.00	8,666.63	m2	205.62	932.53	10.17	
10-20-c	Asphalt floor, remelting, setting out & finish : 1/4" thick topping	100 Sft	1,337.70	4,720.14	m2	143.94	507.89	10.17	
10-21-a	1.375" thick mosaic flooring, including rubbing and polishing complete : Using grey cement	100 Sft	8,820.00	14,829.71	m2	949.03	1,595.68	10.12	If glass strips are used for paneling, it shall be paid extra as per item No. 10-47
10-21-b	1.375" thick mosaic flooring, including rubbing and polishing complete : Using white cement	100 Sft	8,820.00	15,906.81	m2	949.03	1,711.57	10.12	
10-22-a	1.5" thick mosaic flooring, including rubbing & polishing complete : Using grey cement	100 Sft	9,040.50	15,384.11	m2	972.76	1,655.33	10.12	
10-22-b	1.5" thick mosaic flooring, including rubbing & polishing complete : Using white cement	100 Sft	9,040.50	16,647.23	m2	972.76	1,791.24	10.12	
10-23	Laying floor of mosaic marble chips tiles of approved shade including finishing complete	100 Sft	4,887.75	23,291.35	m2	525.92	2,506.15	10.9	
10-24	Lay floor of white glazed tile of size 6" x 6" x 1/4" in white cement 1:2 over 3/4" thick cement mortar 1:2	100 Sft	3,895.50	16,782.62	m2	419.16	1,805.81	10.8	
10-25	Lay floor of approved coloured glazed tiles 6" x 6" x 1/4" laid in white cement & pigment complete	100 Sft	4,483.50	17,429.44	m2	482.42	1,875.41	10.8	
10-26-a-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/8" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	14,237.61	m2	395.43	1,531.97	10.7	
10-26-a-ii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/8" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	13,233.80	m2	395.43	1,423.96	10.7	
10-26-a-iii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/8" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	12,606.43	m2	395.43	1,356.45	10.7	
10-26-a-iv	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/8" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	15,994.25	m2	395.43	1,720.98	10.7	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-26-b-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.5" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	14,488.55	m2	395.43	1,558.97	10.7	
10-26-b-ii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.5" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	13,610.23	m2	395.43	1,464.46	10.7	
10-26-b-iii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.5" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	12,857.38	m2	395.43	1,383.45	10.7	
10-26-b-iv	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.5" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	16,370.68	m2	395.43	1,761.49	10.7	
10-26-c-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	17,249.01	m2	395.43	1,855.99	10.7	
10-26-c-ii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	15,994.25	m2	395.43	1,720.98	10.7	
10-26-c-iii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	14,112.13	m2	395.43	1,518.47	10.7	
10-26-c-iv	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	18,252.80	m2	395.43	1,964.00	10.7	
10-26-d-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.875" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	17,249.01	m2	395.43	1,855.99	10.7	
10-26-d-ii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.875" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	15,994.25	m2	395.43	1,720.98	10.7	
10-26-d-iii	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.875" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	14,112.13	m2	395.43	1,518.47	10.7	
10-26-d-iv	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 0.875" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	18,252.80	m2	395.43	1,964.00	10.7	
10-26-e	Providing and Laying marble fine dressed stone 4-5 feet and 12" wide 1" thick for stairs steps	100 Sft	3,307.50	13,308.66	m2	355.89	1,432.01	10.7	
10-26-f	Providing and Laying marble fine dressed stone 7x1.5 feet and 1" thick for stairs steps.	100 Sft	3,307.50	13,308.66	m2	355.89	1,432.01	10.7	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-26-g	Providing and fixing glazed tile colour printed border 2" wide	100 Rft	808.50	17,224.04	m	26.53	565.09	10.8	
10-26-h	Providing and fixing glazed tile colour printed border 3" wide	100 Rft	808.50	20,054.26	m	26.53	657.95	10.8	
10-26-i	Providing and fixing glazed tile colour printed border 4" wide	100 Rft	808.50	20,054.26	m	26.53	657.95	10.8	
10-27	Cleaning and washing mosaic or marble floor with caustic soda mixture	100 Sft	327.69	1,664.54	m2	35.26	179.10	10.7.3.9 , 10.12.3.1 0	
10-28	Shisham wood boarding or strip flooring 3/4" thick including 2 coats of bitumen laid hot complete	100 Sft	18,375.00	87,119.35	m2	1,977.15	9,374.04	10.14	
10-28-a	Shisham wood boarding or strip flooring 3/4" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	71,178.96	m2	1,423.55	7,658.86	10.14	
10-28-b	Teak wood boarding or strip flooring 3/4" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	76,478.55	m2	1,423.55	8,229.09	10.14	
10-28-c	Biar wood boarding or strip flooring 3/4" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	68,543.74	m2	1,423.55	7,375.31	10.14	
10-28-d	Partal wood boarding or strip flooring 3/4" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	43,152.38	m2	1,423.55	4,643.20	10.14	
10-29	Deodar wood boarding or strip flooring 3/4" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	97,109.02	m2	1,423.55	10,448.93	10.14	
10-30	Teak wood boarding or strip flooring 1/2" thick including 2 coats of bitumen laid hot complete	100 Sft	18,375.00	64,780.02	m2	1,977.15	6,970.33	10.14	
10-30-a	Teak wood boarding or strip flooring 1/2" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	55,343.77	m2	1,423.55	5,954.99	10.14	
10-30-b	Deodar wood boarding or strip flooring 1/2" thick including 2 coats of bitumen laid hot complete	100 sft	13,230.00	68,548.52	m2	1,423.55	7,375.82	10.14	
10-30-c	Biar wood boarding or strip flooring 1/2" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	50,265.02	m2	1,423.55	5,408.52	10.14	
10-30-d	Partal wood boarding or strip flooring 1/2" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	34,013.02	m2	1,423.55	3,659.80	10.14	
10-30-e	Sheesham wood boarding or strip flooring 1/2" thick including 2 coats of bitumen laid hot complete	100 Sft	13,230.00	51,687.07	m2	1,423.55	5,561.53	10.14	
10-31	Shisham wood block flooring 1" thick out to required size, fixed on a layer of bitumen base	100 Sft	13,230.00	86,575.60	m2	1,423.55	9,315.53	10.14	
10-32	Teak wood block 1" thick cut to required size, fixed on a layer of asphalt bitumen laid on base	100 Sft	18,375.00	77,164.07	m2	1,977.15	8,302.85	10.14	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-33-a	Laying wooden paving of hard wood on edge in coal tar & asphalt : Shisham wood	100 Sft	5,145.00	50,872.84	m2	553.60	5,473.92	10.14	
10-33-b	Laying wooden paving of hard wood on edge in coal tar & asphalt : Kikar wood	100 Sft	5,145.00	26,464.28	m2	553.60	2,847.56	10.14	
10-34-a	Tile skirting laid in 1:2 c/s mortar over 3/4" thick cement mortar 1:2 complete : Cement tiles	100 Sft	4,285.05	14,815.87	m2	461.07	1,594.19	10.21	
10-34-b	Tile skirting laid in 1:2 c/s mortar over 3/4" thick cement mortar 1:2 complete : Mosaic tiles	100 Sft	3,182.55	20,025.36	m2	342.44	2,154.73	10.21	
10-35-a	Provide grey cement skirting 3/8" thick complete 1:2 cement, sand mortar	100 Sft	5,020.05	5,946.41	m2	540.16	639.83	10.21	
10-35-b	Provide grey cement skirting 3/8" thick complete 1:3 cement, sand mortar	100 Sft	5,020.05	5,802.30	m2	540.16	624.33	10.21	
10-35-c	Provide grey cement skirting 3/8" thick complete Extra if skirting or dado is finished with pigment	100 Sft	520.63	564.26	m2	56.02	60.71	10.21	
10-36-a	Providing and fixing of Corian of any size on Tops of Approved Design in any colour, shade and pattern.	Sft	231.23	1,007.98	m2	2,488.05	10,845.88	10.7	
10-36-b	Providing and fixing of Textured Corian of any size on Tops of Approved Design in any colour, shade and pattern.	Sft	231.23	1,366.48	m2	2,488.05	14,703.34	10.7	
10-37	Providing and Fixing of Marble Vanity for Wash Hand Basin of Imported approved quality	100Sft	2,058.00	16,260.28	m2	221.44	1,749.61	10.7	
10-38-a	Providing and Laying 1" Thick Super White Marble Slab Exceeding 12"x12" size Kitchen Top in White Cement including all labour for Grinding and Polishing.	Sft	37.63	725.99	m2	404.92	7,811.69	10.7	
10-38-b	Providing and Laying 1" Thick Badal Marble Slab Exceeding 12"x12" size Kitchen Top in White Cement including all labour for Grinding and Polishing.	Sft	37.63	434.89	m2	404.92	4,679.44	10.7	
10-39-a	Glazed tile 1/4" thick dado jointed in white cement complete : Ceramic Tile - 6"x6" white	100 Sft	7,717.50	12,247.98	m2	830.40	1,317.88	10.8	
10-39-b	Glazed tile 1/4" thick dado jointed in white cement complete : Coloured Ceramic Tile - 6"x6"	100 Sft	7,717.50	12,221.69	m2	830.40	1,315.05	10.8	
10-39-c	Glazed tile 1/4" thick dado jointed in white cement complete : Printed Ceramic Tile - 6"x6"	100 Sft	6,982.50	11,512.98	m2	751.32	1,238.80	10.8	
10-40	Glazed tile dado 1/4" thick in pigment over 1:2 c/s mortar 3/4" thick including finishing complete Ceramic Tile - 6"x6" white	100 Rft	6,982.50	11,619.94	m2	751.32	1,250.31	10.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-41-a-01	Mosaic dado or skirting complete as per specs Using grey cement : 3/8" thick	100 Sft	5,512.50	9,181.00	m2	593.15	987.88	10.12.3.1 1	
10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	100 Sft	5,512.50	9,769.75	m2	593.15	1,051.22	10.12.3.1 1	
10-41-b-01	Mosaic dado or skirting complete as per specs Using white cement : 3/8" thick including grinding and polishing	100 Sft	5,512.50	9,884.86	m2	593.15	1,063.61	10.12.3.1 1	
10-41-b-02	Mosaic dado or skirting complete as per specs Using white cement : 1/2" thick including grinding and polishing	100 Sft	5,512.50	10,954.53	m2	593.15	1,178.71	10.12.3.1 1	
10-42	Providing and fixing on walls 1/4" (6mm approx.) thick of imported first grade ceramic tiles of size 24 in x 24 in white on walls, over 1/2" (13mm) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with white cement and washing the tile, curing and cleaning etc. complete.	100 Sft	1,896.30	18,620.02	m2	204.04	2,003.51	10.8	
10-43	Providing and Fixing of glazed tiles skirting etc complete imported approved quality (20"x20")	100 Sft	2,006.55	18,654.38	m2	215.90	2,007.21	10.21	
10-44	Providing and laying 1/2" thick marble in dado / skirting with matching colour mortar in joints set over 1/2" thick rough cast 1:4 cement sand plaster.	100 Sft	4,042.50	11,995.82	m2	434.97	1,290.75	10.7	
10-45-a-i	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/8" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	14,488.55	m2	395.43	1,558.97	10.21	
10-45-a-ii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/8" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	13,610.23	m2	395.43	1,464.46	10.21	
10-45-a-iii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/8" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	12,857.38	m2	395.43	1,383.45	10.21	
10-45-a-iv	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/8" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	16,370.68	m2	395.43	1,761.49	10.21	
10-45-b-i	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.5" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	14,237.61	m2	395.43	1,531.97	10.21	
10-45-b-ii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.5" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	13,233.80	m2	395.43	1,423.96	10.21	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-45-b-iii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.5" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	12,606.43	m2	395.43	1,356.45	10.21	
10-45-b-iv	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.5" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	15,994.25	m2	395.43	1,720.98	10.21	
10-45-c-i	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/4" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	17,249.01	m2	395.43	1,855.99	10.21	
10-45-c-ii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/4" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	15,994.25	m2	395.43	1,720.98	10.21	
10-45-c-iii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/4" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	14,112.13	m2	395.43	1,518.47	10.21	
10-45-c-iv	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/4" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	18,252.80	m2	395.43	1,964.00	10.21	
10-45-d-i	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.875" thick 12 x 12 Super Sunny White Marble	100 Sft	3,675.00	17,249.01	m2	395.43	1,855.99	10.21	
10-45-d-ii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.875" thick 12 x 12 Sunny White Marble	100 Sft	3,675.00	15,994.25	m2	395.43	1,720.98	10.21	
10-45-d-iii	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.875" thick 12 x 12 Sunny Grey Marble	100 Sft	3,675.00	14,112.13	m2	395.43	1,518.47	10.21	
10-45-d-iv	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 0.875" thick 12 x 12 Sunny Black Marble	100 Sft	3,675.00	18,252.80	m2	395.43	1,964.00	10.21	
10-46	Rubber flooring, consisting of 12"x12"x1/8" rubber tiles laid on firm foundation	100 Sft	2,572.50	10,571.66	m2	276.80	1,137.51	10.15	The cost of base for rubber floor is not included in the rate and is payable separately
10-47-a	Provide & fix glass strip 1.5" wide for dividing the floors into panels : 5mm thick	100 Rft	1,102.50	2,269.76	m	36.17	74.47	10.10.3.2	
10-47-b	Provide & fix glass strip 1.5" wide for dividing the floors into panels : 3mm thick	100 Rft	1,102.50	2,106.60	m	36.17	69.11	10.10.3.2	
10-47-c	Providing and Fixing marble strip 1.5 inch wide 3/8 inch thick for dividing the floor into panels	100 Rft	1,102.50	2,533.96	m	36.17	83.14	10.10.3.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	100 Rft	1,433.25	2,939.85	m	47.02	96.45	10.10.3.2	
10-48	Providing and Fixing Vinyl Tiles or Vinyl Sheet flooring over firm foundation	100 Sft	2,143.75	8,821.59	m2	230.67	949.20	10.19	
10-49-a	Providing and Fixing Precast Concrete 7000 psi TUFF Tiles 50mm thick over bed of 2" thick sand & 4" thick brick ballast/stone ballast complete.	100 Sft	2,205.00	8,227.07	m2	237.26	885.23	6.12 , 10.5	
10-49-b	Providing and Fixing Precast Concrete 7000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	100 Sft	727.65	6,664.41	m2	78.30	717.09	6.12 , 10.5	
10-49-c	Providing and Fixing Precast Concrete 7000 psi TUFF Tiles 60mm thick over bed of 2" thick sand	100 Sft	1,102.50	7,636.76	m2	118.63	821.72		
10-49-d	Providing and Fixing Precast Concrete 7000 psi TUFF Tiles 80mm thick over bed of 2" thick sand	100 Sft	1,102.50	8,831.76	m2	118.63	950.30		
10-49-e	Providing and Fixing Precast Concrete 7000 psi TUFF Tiles 90mm thick over bed of 2" thick sand	100 Sft	1,323.00	10,247.26	m2	142.35	1,102.61		
10-50-a	Providing and Fixing Ceramic Floor Tiles of approved quality of Size : 12" x 12"	100 Sft	2,513.70	14,966.20	m2	270.47	1,610.36	10.8	
10-50-b	Providing and Fixing Ceramic Floor Tiles of approved quality of Size 20" x 20"	100 Sft	2,006.55	18,044.05	m2	215.90	1,941.54	10.8	
10-51	Providing and Fixing of Ceramic Tiles 12"×24" of Imported Approved Quality with jointing and finishing	100 Sft	2,881.20	17,030.60	m2	310.02	1,832.49	10.8	
10-52	Providing and Fixing of Fancy design bath room tile of size 12" x 12" in cement sand mortar 1 : 2 with finishing of joints in white cement / Readymade filler complete in all respect	100 Sft	2,513.70	9,987.23	m2	270.47	1,074.63	10.8	
10-53	Providing and Fixing of Spanish Tiles border 12" long apprti colour best quality	Rft	11.76	237.64	m	38.58	779.66	10.8	
10-54	Providing and Fixing of Glazed tiles Plain/ Printed Border (Spanish) of Fancy design	Rft	11.76	189.84	m	38.58	622.83	10.8	
10-55-a	Providing and Fixing of Spanish Floor Tile Water Touch 20" x 20"	100 Sft	2,006.55	31,534.39	m2	215.90	3,393.10	10.8	
10-55-b	Providing and Fixing of Spanish Floor Tile Water Touch 24" x 24"	100 Sft	1,896.30	34,567.29	m2	204.04	3,719.44	10.8	
10-55-c	Providing and Fixing of Spanish Floor Tile Water Touch 21" x 21"	100 Sft	2,006.55	32,987.39	m2	215.90	3,549.44	10.8	
10-55-d	Providing and Fixing of Spanish bathrooms Tile 8" x 20"	100 Sft	2,881.20	35,493.21	m2	310.02	3,819.07	10.8	
10-55-e	Providing and Fixing of Spanish bathrooms Tile 10" x 20"	100 Sft	2,881.20	36,251.09	m2	310.02	3,900.62	10.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
10-55-f	Providing and Fixing of Spanish bathrooms Tile 10" x 30"	100 Sft	2,815.05	40,032.00	m2	302.90	4,307.44	10.8	
10-55-g	Providing and Fixing of Porcelain Floor Tile 24" x 24" of approved quality	100 Sft	1,896.30	22,629.60	m2	204.04	2,434.95	10.22	
10-55-h	Providing and Fixing of Porcelain Floor Tile 16" x 16" of approved quality	100 Sft	2,513.70	18,514.08	m2	270.47	1,992.11	10.22	
10-55-i	Providing and Fixing of Porcelain Floor Tile 12" x 12" of approved quality	100 Sft	2,513.70	16,777.51	m2	270.47	1,805.26	10.22	
10-55-j	Providing and Fixing of Bath Room Tiles 12"x18" of approved quality	100 Sft	2,881.20	20,187.78	m2	310.02	2,172.21	10.8	
10-55-k	Providing and Fixing of Bath Room Tiles Border 12" x 3" of approved quality	100 Rft	5,880.00	22,258.96	m	192.91	730.28	10.8	
10-55-l	Providing and Fixing of Bathroom tiles 10" x 20" of imported approved quality	100 Sft	2,807.70	33,728.31	m2	302.11	3,629.17	10.8	
10-55-m	Providing and Fixing of Bathrooms tile Border 12" x 3" of imported approved quality	100 Rft	5,880.00	27,038.96	m	192.91	887.11	10.8	
10-55-n	Providing and Fixing of Floor Tiles 24" x 24" of imported approved quality (Mat Flushed)	100 Sft	1,896.30	40,502.26	m2	204.04	4,358.04	10.22	
10-55-o	Providing and Fixing of Floor Tiles 24" x 24" of imported approved quality (Polished)	100 Sft	1,896.30	21,053.63	m2	204.04	2,265.37	10.22	
10-55-p	Providing and Fixing of Ceramic Tile 16"x16"	100 Sft	2,815.05	16,266.62	m2	302.90	1,750.29	10.8	
10-55-q	Providing and Fixing of Ceramic Tile 8"x12" White	100 Sft	2,815.05	13,953.05	m2	302.90	1,501.35	10.8	
10-56	Burnt brick (1st class) pavement on edge grouted with sand including preparation of bed	100 Sft	3,307.50	10,017.07	m2	355.89	1,077.84	10.5	
10-57-a	Dry Rip Rap Class A	100 Cft	1,467.28	4,223.43	m3	518.17	1,491.49	16.7.9	
10-57-b	Rip Rap, Class B	100 Cft	4,125.55	9,085.90	m3	1,456.93	3,208.66	16.7.9	
10-57-c	Rip Rap, Class C	100 Cft	4,031.62	8,757.84	m3	1,423.76	3,092.80	16.7.9	
10-57-d	Rip Rap, Class D	100 Cft	3,950.18	8,577.12	m3	1,395.00	3,028.98	16.7.9	
10-57-e	Grouted Rip Rap, Class A	100 Cft	5,099.14	18,240.22	m3	1,800.74	6,441.48	16.7.9	
10-57-f	Grouted Rip Rap, Class B	100 Cft	3,413.27	15,271.11	m3	1,205.39	5,392.95	16.7.9	
10-57-g	Grouted Rip Rap, Class C	100 Cft	3,815.68	15,329.37	m3	1,347.50	5,413.52	16.7.9	
10-57-h	Grouted Rip Rap, Class D	100 Cft	3,815.68	16,280.29	m3	1,347.50	5,749.34	16.7.9	
10-58-a	Porcelain tile floor of size 12" x 12" x 1/4" laid cement 1:2 or 3/4" thick cement mortar 1:2 of approved quality	100 Sft	2,572.50	17,039.41	m2	276.80	1,833.44	10.22	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 10 FLOORING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10-58-b	Porcelain tile floor of size 12"x24"x1/4" laid cement 1:2 over 3/4" thick cement mortar 1:2 of imported approved quality	100 Sft	2,513.70	13,156.61	m2	270.47	1,415.65	10.22	
10-58-c	Providing and Fixing of porcelain full body tiles 20" × 20" × 3/8 of approved colour of shade, joint using spacers in white cement with pigment laid on base of CM 1:2 etc complete in all respects	100 Sft	2,072.70	20,596.75	m2	223.02	2,216.21	10.22	
10-58-d	Providing and fixing of Porcelain Tiles (24" x 48") on the facade with the help of mechanical clamp Including all fittings as required complete in all respects	100 Sft	3,248.70	32,414.47	m2	349.56	3,487.80	10.22	
10-59-a	Granite tile floor 1/4" thick laid cement 1:2 or 3/4" thick cement mortar 1:2 (Imported approved quality) 24"x24"	100 Sft	2,572.50	14,655.68	m2	276.80	1,576.95	10.7	
10-59-b	Granite tile floor 1/4" thick laid cement 1:2 or 3/4" thick cement mortar 1:2 (Imported approved quality) 16"x16"	100 Sft	2,940.00	21,541.15	m2	316.34	2,317.83	10.7	
10-59-c	Providing and Fixing Precast Concrete 7000 psi TUFF Tiles 80mm thick over bed of 2" thick sand	100 Sft	1,102.50	64,198.50	m2	11,862.90	690,775.88		
10-60-a	Providing and laying 3/4"(19mm) thick Granite Black polished tiles of approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	764.18	m2	672.23	8,222.62	10.23	
10-60-b	Providing and laying 3/4"(19mm) thick Granite Black polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	936.08	m2	672.23	10,072.27	10.23	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

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Chapter # : 10 FLOORING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10-60-c	Providing and laying 3/4"(19mm) thick Granite Red Rubi polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	936.08	m2	672.23	10,072.27	10.23	
10-60-d	Providing and laying 3/4"(19mm) thick Granite Red Chilli polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	936.08	m2	672.23	10,072.27	10.23	
10-60-e	Providing and laying 3/4"(19mm) thick Granite Galaxy Black polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	1,015.13	m2	672.23	10,922.84	10.23	
10-60-f	Providing and laying 3/4"(19mm) thick Granite Baltic Brown polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	1,109.24	m2	672.23	11,935.42	10.23	
10-60-g	Providing and laying 3/4"(19mm) thick Granite Camel Brown polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	936.08	m2	672.23	10,072.27	10.23	



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Chapter # : 10 FLOORING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10-60-h	Providing and laying 3/4"(19mm) thick Granite Raw-Silk polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	936.08	m2	672.23	10,072.27	10.23	
10-60-i	Providing and laying 3/4"(19mm) thick Granite Blue Per polished tiles of imported approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	Sft	62.47	1,328.82	m2	672.23	14,298.13	10.23	
10-61-a	Providing and Laying marble fine dressed stone flooring on surface in white cement complete using green marble 12"x12"x3/4" thick	100 Sft	2,940.00	55,937.05	m2	316.34	6,018.83	10.7	
10-61-b	Providing and Laying marble fine dressed stone flooring on surface in white cement complete using Trevera marble 12"x12"x3/4" thick	100 Sft	2,940.00	21,927.35	m2	316.34	2,359.38	10.7	
10-61-c	Providing and Laying marble fine dressed stone flooring on surface in white cement complete using Botecina marble 12"x12"x3/4" thick	100 Sft	7,350.00	18,235.26	m2	790.86	1,962.11	10.7	
10-61-d	Providing and Laying marble fine dressed stone flooring on surface in white cement complete using Veroona/Lasbela marble 12"x12"x3/4" thick	100 Sft	7,350.00	20,625.26	m2	790.86	2,219.28	10.7	
10-61-e	Provide & lay marble fine dressed stone flooring on surface with matching colour mortar in joints complete: 3/4" thick including machine grinding, rubbing, finishing, polishing etc. complete in all respects.	100 Sft	4,042.50	12,449.92	m2	434.97	1,339.61	10.7	
10-62	Providing and Fixing of architecture design flooring including 1" thick flate gravel stone slabs with river fine pebble stones in cement sand mortar (1:2) complete in all respects	100 Sft	5,880.00	9,668.44	m2	632.69	1,040.32	10.6	
10-63	Providing and Fixing of 1/2" thick flat Gravel stone tiles in cement sand mortar with finishing of joints in cement sand complete	100 Sft	2,940.00	29,237.46	m2	316.34	3,145.95	10.6	
10-64	Chemical polishing of marble floor/Dado	100 Sft	367.50	2,399.00	m2	39.54	258.13	10.7.3.9	



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Chapter # : 10 FLOORING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10-65	Replaced coloured glass panes of sizes upto 4 mm thickness with iron, nails and putty including removing broken ones if required in all floors.	Sft	42.19	271.39	m2	453.95	2,920.16		
10-66	Providing and Fixing of glass panes 8mm imported	Sft	45.20	238.79	m2	486.38	2,569.41		
10-67	Providing and Fixing of Porcelain Floor Tile 12" x 12" of approved quality	100 Sft	2,513.70	16,283.98	m2	270.47	1,752.16	10.22	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 11 SURFACE RENDERING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks	
		Unit	Labour	Composite	Unit	Labour	Composite			
11-01-a	Mud plaster on walls (excluding gobri leeping) upto 20' height : 1/2" thick	100 Sft	654.15	877.99	m2	70.39	94.47	11.1.10	Add extra 13%, 32% and 51% above the labour rates only or 6%, 15% and 23% on composite rates for 2nd, 3rd, 4th and subsequent floors respectively.	
11-01-b	Mud plaster on walls (excluding gobri leeping) upto 20' height : 1" thick	100 Sft	896.70	1,347.60	m2	96.48	145.00	11.1.10		
11-02-a	Mud plaster on floor / roof (excluding gobri leeping) upto 20' height : 1/2" thick	100 Sft	588.00	811.76	m2	63.27	87.35	11.1.10		
11-02-b	Mud plaster on floor / roof (excluding gobri leeping) upto 20' height : 1" thick	100 Sft	1,177.47	1,628.37	m2	126.70	175.21	11.1.10		
11-03-a	Cement lime plaster 1:7:12 (c/l/s) upto 20' height 1/4" thick	100 Sft	2,021.25	2,335.96	m2	217.49	251.35	11.1.5		
11-03-b	Cement lime plaster 1:7:12 (c/l/s) upto 20' height 1/2" thick	100 Sft	2,021.25	2,656.05	m2	217.49	285.79	11.1.5		
11-04-a	Cement Neru plaster 1:2 (c/s) upto 20' height 1/4" thick	100 Sft	2,021.25	2,789.96	m2	217.49	300.20	11.4		
11-04-b	Cement Neru plaster 1:2 (c/s) upto 20' height 1/2" thick	100 Sft	2,021.25	3,378.90	m2	217.49	363.57	11.4		
11-05	2" stucco cement plaster 1:2:4 (c/s/shingle) upto 20' height	100 Sft	4,630.50	7,504.80	m2	498.24	807.52	11.1		
11-06-a	Provide/lay machine sprayed plaster 1/2" thick using cement & zero guage chips : Ratio 1:1	100 Sft	1,803.69	9,979.39	m2	194.08	1,073.78	11.1.13		
11-06-b	Provide/lay machine sprayed plaster 1/2" thick using cement & zero guage chips : Ratio 1:1.5	100 Sft	1,803.69	9,749.28	m2	194.08	1,049.02	11.1.13		
11-06-c	Provide/lay machine sprayed plaster 1/2" thick using cement & zero guage chips : Ratio 1:2	100 Sft	1,803.69	9,616.12	m2	194.08	1,034.69	11.1.13		
11-07-a	Cement plaster 1:2, upto 20' height 3/8" thick	100 Sft	2,021.25	2,794.37	m2	217.49	300.67	11.1.3		The rate be allowed only on written orders of Superintending Engineer
11-07-b	Cement plaster 1:2, upto 20' height 1/2" thick	100 Sft	2,021.25	2,998.50	m2	217.49	322.64	11.1.3		ditto
11-07-c	Cement plaster 1:2, upto 20' height 3/4" thick	100 Sft	2,572.50	4,066.12	m2	276.80	437.51	11.1.3		
11-08-a	Cement plaster 1:3 upto 20' height 3/8" thick	100 Sft	2,021.25	2,587.41	m2	217.49	278.41	11.1.3		
11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	100 Sft	2,021.25	2,755.06	m2	217.49	296.44	11.1.3		
11-08-c	Cement plaster 1:3 upto 20' height 3/4" thick	100 Sft	2,572.50	3,669.04	m2	276.80	394.79	11.1.3		
11-09-a	Cement plaster 1:4 upto 20' height 3/8" thick	100 Sft	2,021.25	2,537.57	m2	217.49	273.04	11.1.3		
11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	100 Sft	2,021.25	2,664.95	m2	217.49	286.75	11.1.3		
11-09-c	Cement plaster 1:4 upto 20' height 3/4" thick	100 Sft	2,572.50	3,558.89	m2	276.80	382.94	11.1.3		



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 11 SURFACE RENDERING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
11-10-a	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height : (1:2)	100 Sft	1,911.00	2,802.15	m2	205.62	301.51	11.1.3	i) This item shall be applicable to building meant for human habitation only, such as building like residence, offices, educational institutions and hospitals etc. It shall no admissible on godowns, bins, agricultural, poultry etc. ii) The thickness of the plaster will not be more than 3/8" thick.
11-10-b	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height : (1:3)	100 Sft	1,911.00	2,601.75	m2	205.62	279.95	11.1.3	
11-10-c	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height : (1:4)	100 Sft	1,911.00	2,555.82	m2	205.62	275.01	11.1.3	
11-11-a	Cement plaster 1:5, upto 20' height 3/8" thick	100 Sft	2,021.25	2,490.81	m2	217.49	268.01	11.1.3	
11-11-b	Cement plaster 1:5, upto 20' height 1/2" thick	100 Sft	2,021.25	2,628.92	m2	217.49	282.87	11.1.3	
11-11-c	Cement Plaster 1:5, upto 20' height 3/4" thick	100 Sft	2,572.50	3,475.78	m2	276.80	373.99	11.1.3	
11-12-a	Cement plaster 1:6, upto 20' height 3/8" thick	100 Sft	2,021.25	2,424.01	m2	217.49	260.82	11.1.3	
11-12-b	Cement plaster 1:6, upto 20' height 1/2" thick	100 Sft	2,021.25	2,542.07	m2	217.49	273.53	11.1.3	
11-12-c	Cement plaster 1:6, upto 20' height 3/4" thick	100 Sft	2,572.50	3,335.50	m2	276.80	358.90	11.1.3	
11-13	Applying floating coat of cement 1/32" thick	100 Sft	1,359.75	1,633.63	m2	146.31	175.78	11.1.3	
11-14	Lime pointing flush upto 20' height, including racking joints in lime sand mortar 1:2	100 Sft	1,176.00	1,451.31	m2	126.54	156.16	11.2	
11-15	Lime pointing struck joints on walls, upto 20' height including racking joints, in lime sand mortar 1:2	100 Sft	2,388.75	2,664.06	m2	257.03	286.65	11.2	
11-16-a	Cement pointing flush, upto 20' height Ratio 1:2	100 Sft	2,021.25	2,560.61	m2	217.49	275.52	11.2	
11-16-b	Cement pointing flush, upto 20' height Ratio 1:3	100 Sft	2,021.25	2,450.78	m2	217.49	263.70	11.2	
11-17	Cement pointing 1:2 flush, on floor	100 Sft	1,470.00	2,009.36	m2	158.17	216.21	11.2	
11-18-a	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:2	100 Sft	2,388.75	2,928.11	m2	257.03	315.06	11.2	
11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	100 Sft	2,388.75	2,818.28	m2	257.03	303.25	11.2	
11-19-a	Pointing flush on stone work, upto 20' height in lime sand mortar 1:2 (lime, sand)	100 Sft	2,021.25	2,372.63	m2	217.49	255.29	11.2	
11-19-b	Pointing flush on stone work, upto 20' height in cement sand mortar 1:3	100 Sft	2,021.25	2,451.72	m2	217.49	263.81	11.2	
11-19-c-01	Pointing flush on stone work, upto 20' height On stone work raised : in lime sand mortar 1:2	100 Sft	3,858.75	4,210.13	m2	415.20	453.01	11.2	
11-19-c-02	Pointing flush on stone work, upto 20' height On stone work raised : in c/s mortar 1:3	100 Sft	3,858.75	4,288.28	m2	415.20	461.42	11.2	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
11-20-a	Priming coat of chalk under distemper	100 Sft	220.50	257.81	m2	23.73	27.74	11.8	
11-20-b	Providing and applying wall putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	100 Sft	220.50	592.00	m2	23.73	63.70	13.12	
11-21-a-01	Distemping New surface : One coat	100 Sft	551.25	824.06	m2	59.31	88.67	11.8	
11-21-a-02	Distemping New surface : Two coats	100 Sft	820.26	1,147.07	m2	88.26	123.43	11.8	
11-21-a-03	Distemping New surface : Three coats	100 Sft	551.25	914.51	m2	59.31	98.40	11.8	
11-21-b-01	Distemping Old surface : One coat	100 Sft	154.35	339.55	m2	16.61	36.54	11.8	
11-21-b-02	Distemping Old surface : Two coats	100 Sft	220.50	449.59	m2	23.73	48.38	11.8	
11-22-a-01	Colour washing: New surface : One coat	100 Sft	156.19	237.38	m2	16.81	25.54	11.5	
11-22-a-02	Colour washing: New surface : Two coats	100 Sft	370.56	502.45	m2	39.87	54.06	11.5	
11-22-b-01	Colour washing: Old surface : One coat	100 Sft	125.99	184.75	m2	13.56	19.88	11.5	
11-22-b-02	Colour washing: Old surface : Two coats	100 Sft	275.93	760.76	m2	29.69	81.86	11.5	
11-23-a-01	White washing: New surface : One coat	100 Sft	125.99	163.51	m2	13.56	17.59	11.3	
11-23-a-02	White washing: New surface : Two coats	100 Sft	275.93	330.75	m2	29.69	35.59	11.3	
11-23-a-03	White washing: New surface : Three coats	100 Sft	344.29	426.57	m2	37.05	45.90	11.3	
11-23-b-01	White washing: Old surface : One coat	100 Sft	177.01	224.36	m2	19.05	24.14	11.3	
11-23-b-02	White washing: Old surface : Two coats	100 Sft	279.91	312.76	m2	30.12	33.65	11.3	
11-24-a	Gabri leeping: On walls	100 Sft	220.50	227.84	m2	23.73	24.52	9.2.10 , 10.3.3	
11-24-b	Gabri leeping: Over roofs	100 Sft	220.50	236.64	m2	23.73	25.46	9.2.10 , 10.3.3	
11-25	Striking joints of burnt brick in lime or cement mortar	100 Sft	514.50	514.50	m2	55.36	55.36	7.1.14	Payable with fresh masonry when the face of the work is not to be plastered/pointed.
11-26	Extra for lime, mud or cement plaster & pointing from 20' & above for each additional 10' height	100 Sft	360.15	360.15	m2	38.75	38.75		
11-27	Caulking joints of sleeper wall, with sand and coaltar	100 Sft	888.13	1,758.37	m2	95.56	189.20	9.13	
11-28	Caulking joints of sleepers, with mud and chopped straw	100 Sft	888.13	996.89	m2	95.56	107.27	9.13	
11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	100 Sft	156.19	343.32	m2	16.81	36.94		
11-30-a	Provide grooved c/s plaster 1:3 over existing plastered & roughened surface 3/8" thick	100 Sft	1,800.75	2,362.96	m2	193.76	254.25	11.1.3	
11-30-b	Provide grooved c/s plaster 1:3 over existing plastered & roughened surface 1/2" thick	100 Sft	1,800.75	2,508.06	m2	193.76	269.87	11.1.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
11-30-c	Providing ornamental plaster 3/4" thick with (1:3) cement sand mortar on walls, columns chajja and slabs finished smooth including all charges for Labour and Material.	100 Sft	13,306.56	15,146.58	m2	1,431.79	1,629.77	11.1.6	
11-30-d	Extra labour for Design plaster including cost of scaffolding up to any height complete in all respects.	100 Sft	360.15	396.00	m2	38.75	42.61	11.1.7	
11-30-e	Providing ornamental moulding of approved design in column with base/top and nosing and shade of lintel or pediments in cement mortar(1:3) 1-1/8" thick(1 feet under coat x 1/8" finish layer) including all charges for curing/finishing complete	100 Sft	11,989.69	15,147.17	m2	1,290.09	1,629.84	11.1.6	
11-31	Provide & fix expanded metal edge bead for corners, with nails on both sides of edges	Rft	15.05	34.52	m	49.37	113.24	11.1.7	
11-32	Extra labour for white washing, priming etc. from 20' height & above for every extra 10' height	m3 / coat	16.66	16.66	m3 / coat	16.66	16.66		The will be taken from the floor, roof or ground underneath as the case may be, on the side towards which the work is to be done
11-33	Providing and fixing of clad stones over 1/2" c/s mortar 1:1 incl curing etc.	100 Sft	5,145.00	15,534.82	m2	553.60	1,671.55	12.16.4	
11-34	Supply & apply acrylic wall coating 2mm thick of approved quality over plastered surface	100 Sft	3,675.00	9,489.21	m2	395.43	1,021.04	13.12.2	The rate of plastering over walls is not included in this rate and is to be paid separately.
11-35	Providing and laying of Wall Paper (Imported) of approved quality, shade and color including all other fitting requirements complete in all respects.	100 Sft	520.63	12,300.93	m2	56.02	1,323.58	11.9	
11-36	P/F Ceramic Exterior Finish Tiles over 1/2" cement sand mortar 1:1 including curing complete	100 Sft	6,431.25	19,006.72	m2	692.00	2,045.12	12.16.3	
11-37-a	Providing and fixing Chakwal tiles red colour in 1:3 cement mortar complete.	100 Sft	5,145.00	14,600.38	m2	553.60	1,571.00	10.8	
11-37-b	Providing and fixing Chakwal tiles white colour in 1:3 cement mortar complete.	100 Sft	5,145.00	11,708.48	m2	553.60	1,259.83	10.8	



GOVERNMENT OF KHYBER PAKHTUNKHWA

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Chapter # : 12 WOOD WORK, WOODEN ALUMINIUM JOINERY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-01-a	Plain wood work sawn, wrought, planed & fixed in position, including nails & screws : Deodar wood	Cft	989.31	7,909.27	m3	34,937.18	279,313.44	12.1	
12-01-b	Plain wood work sawn, wrought, planed & fixed in position, including nails & screws : Shisham wood	Cft	1,397.23	6,235.50	m3	49,342.93	220,204.92	12.1	
12-02-a	Plain woodwork for regulation karries or needles etc. complete as per specs : Deodar wood	Cft	739.41	7,610.66	m3	26,112.04	268,768.19	12.1	
12-02-b	Plain woodwork for regulation karries or needles etc. complete as per specs : Shisham wood	Cft	1,157.63	5,947.19	m3	40,881.18	210,023.05	12.1	
12-03-a	1st class teak wood wrought joinery in doors & windows, panelled or glazed complete : 2" thick	Sft	368.97	1,457.48	m2	3,970.12	15,682.53	12.14	
12-03-b	1st class teak wood wrought joinery in doors & windows, panelled or glazed complete : 1.75" thick	Sft	367.21	1,377.02	m2	3,951.14	14,816.71	12.14	
12-03-c	1st class teak wood wrought joinery in doors & windows, panelled or glazed complete : 1.5" thick	Sft	341.26	1,271.93	m2	3,671.96	13,685.93	12.14	
12-04-a-01	1st class teak wood wrought joinery Teak wood frame 1.75" thick with wire guaze witho spring/hinge	Sft	224.91	849.96	m2	2,420.03	9,145.56	12.14	a) This also includes the cost of woods required for extra thickness of chowkats.
12-04-a-02	1st class teak wood wrought joinery Teak wood frame 1.75" thick with wire guaze witho spring/hinge	Sft	224.91	871.45	m2	2,420.03	9,376.84	12.14	
12-04-b-01	1st Class Teak Wood Wrought Joinery : Teak Wood framing 1.5" thick with wire guaze witho springs	Sft	222.70	765.52	m2	2,396.31	8,237.03	12.11 , 12.14	
12-04-b-02	1st Class Teak Wood wrought joinery : Teak Wood framing 1.5" thick with wire guaze with springs	Sft	222.70	788.83	m2	2,396.31	8,487.86	12.11 , 12.14	
12-04-c	1st class teak wood wrought joinery GI wire guaze 22 SWG, fixed to chowkat	Sft	77.47	358.63	m2	833.57	3,858.88	12.11 , 12.14	
12-04-d	1st class teak wood wrought joinery GI wire guaze 22 SWG, fixed on teak wood frame	Sft	124.95	661.01	m2	1,344.46	7,112.50	12.11 , 12.14	
12-05-a	P/F of 1-3/4" thick teak wood joinery readymade brazillian door fully painted both sides facing complete in all respects	Sft	124.95	800.96	m2	1,344.46	8,618.35	12.3 , 12.14	
12-05-b	P/F of 1-1/2" thick teak wood joinery readymade brazillian door fully painted both sides facing complete in all respects	Sft	124.95	753.21	m2	1,344.46	8,104.53	12.3 , 12.14	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-06	Provide & fix exp. metal 1/2"-3/4" mesh, 16 gauge fixed to chowkat, with 1" teak wood cover strips	Sft	76.59	266.60	m2	824.08	2,868.57	12.2.1.21	
12-07	Provide & fix expanded metal 1/2" to 3/4", 16 gauge fixed to chowkat with 1" teak wood cover moulding	Sft	76.59	266.60	m2	824.08	2,868.57	12.2.1.21	
12-08-a	First class deodar wood wrought joinery in doors and windows etc. complete : 2" thick	Sft	223.44	1,810.22	m2	2,404.21	19,477.94	12.14	
12-08-b	First class deodar wood wrought joinery in doors and windows etc. complete : 1-3/4" thick	Sft	195.51	1,568.98	m2	2,103.69	16,882.22	12.14	
12-08-c	First class deodar wood wrought joinery in doors and windows etc. complete : 1.5" thick	Sft	180.81	1,507.50	m2	1,945.52	16,220.71	12.14	
12-10-a	Deodar wood framed, braced & battened doors & windows : 2.25" thick, 1.25" battens & 1" planks	Sft	260.19	1,824.96	m2	2,799.64	19,636.57	12.4	
12-10-b	Deodar wood framed, braced & battened doors & windows : 1.75" thick, 1" battens & 3/4" planks	Sft	199.18	1,490.25	m2	2,143.23	16,035.08	12.4	
12-11	1" thick battened door and windows fitted in position, complete with iron fittings	Sft	150.68	1,109.32	m2	1,621.26	11,936.26	12.4	
12-12	Deodar wood battened ledged & braced doors & windows 2.25" thick complete	Sft	224.91	1,826.64	m2	2,420.03	19,654.63	12.4	
12-13-a	Deodar wood doors framed with braces & 22 SWG GI sheet facing on one side complete	Sft	97.61	859.51	m2	1,050.26	9,248.36	12.4	
12-13-b	Deodar wood doors framed with braces & 22 SWG GI sheet facing on both sides complete	Sft	97.61	953.35	m2	1,050.26	10,258.07	12.4	
12-14-a	Partial wood doors framed with braces & 22 SWG GI sheet facing on one side complete	Sft	97.61	415.02	m2	1,050.26	4,465.63	12.4	
12-14-b	Partial wood doors framed with braces & 22 SWG GI sheet facing on both sides complete	Sft	97.61	510.56	m2	1,050.26	5,493.59	12.4	
12-15	Supply & fixing of First class deodar wood shutters 2" thick fully glazed with 5mm glass of approved quality and approved brass hinges, tower bolts, deodar wood beading complete in all respect	Sft	144.07	735.04	m2	1,550.20	7,909.05	12.12	
12-16	Providing and fixing of Duca engineered door 2" thick made of partial soft wood, MDF and solid mohagany wood including chowkat, architrave, all required fittings i.e. hinges, handles, locks bolts and including mohagany polish complete in all respects.	SFT	73.50	823.06	m2	790.86	8,856.10	12.1 , 12.2	
12-17-a-01	First class deodar wood wrought joinery work Deodar wood frame 1-3/4" thick with wire guaze without springs	Sft	101.43	742.34	m2	1,091.39	7,987.53	12.14	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-17-a-02	First class deodar wood wrought joinery work Deodar wood frame 13/4" thick with wire guaze with springs	Sft	101.94	762.16	m2	1,096.92	8,200.83	12.14	
12-17-b-01	First class deodar wood wrought joinery work Deodar wood frame 1.5" thick with wire guaze without springs	Sft	101.94	699.23	m2	1,096.92	7,523.75	12.14	
12-17-b-02	First class deodar wood wrought joinery work Deodar wood frame 1" thick with wire guaze with springs	Sft	81.66	732.19	m2	878.65	7,878.40	12.14	
12-17-c	First class deodar wood wrought joinery work GI wire guaze fixed to chowkat with 3/4" strip	Sft	114.66	708.86	m2	1,233.74	7,627.33	12.11 , 12.14	
12-17-d	First class deodar wood wrought joinery work GI wire guaze fixed to chowkat with 1/2" strip	Sft	76.59	359.69	m2	824.08	3,870.22	12.11 , 12.14	
12-18	Making and fixing trellis doors & windows of deodar wood complete.	Sft	163.32	950.98	m2	1,757.29	10,232.59	12.29	
12-19-a	Provide & fix MS chowkat of doors, windows etc MS angle iron 1.5"x1.5"x1/4" welded with MS flat	Rft	120.39	306.53	m	394.99	1,005.66	12.2 , 25.5	
12-19-b	Provide & fix MS chowkat of doors, windows etc MS tee iron 1.5"x 1.5"x 1/4" welded with MS flat	Rft	120.39	253.70	m	394.99	832.34	12.2 , 25.5	
12-20	Extra for providing & fixing iron double spring hinges with brass fittings including finger plate etc	Sft	52.48	220.99	m2	564.67	2,377.84		
12-21-a	P/F brass spring hinges to wire gauzed door.	Each	110.25	373.39	Each	110.25	373.39	12.8.2.2 , 12.19.6	
12-21-b	P/F hydraulic Door Closer (Best Quality)	Each	346.06	1,529.11	Each	346.06	1,529.11	12.17	
12-22-a-01	Providing and fixing sliding bolt to doors Iron sliding bolts : 10" long	Each	110.25	279.26	Each	110.25	279.26	12.19.9	
12-22-a-02	Providing and fixing sliding bolt to doors Iron sliding bolts : 12" long	Each	110.25	529.45	Each	110.25	529.45	12.19.9	
12-22-b-01	Providing and fixing sliding bolt to doors CP sliding bolts : 10" long	Each	110.25	462.57	Each	110.25	462.57	12.19.9	
12-22-b-02	Providing and fixing sliding bolt to doors CP sliding bolts : 12" long	Each	110.25	530.69	Each	110.25	530.69	12.19.9	
12-22-c-01	Providing and fixing sliding bolt to doors Brass sliding bolts : 10" long	Each	110.25	1,449.64	Each	110.25	1,449.64	12.19.9	
12-22-c-02	Providing and fixing sliding bolt to doors Brass sliding bolts : 12" long	Each	110.25	1,593.04	Each	110.25	1,593.04	12.19.9	
12-23-a	Extra for brass fittings to doors & windows Deodar panelled, panelled+glazed or fully glazed	Sft	2.21	15.52	m2	23.73	166.97		



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-23-b	Extra for brass fittings to doors & windows Deodar wood wire guazed shutters	Sft	2.65	15.82	m2	28.47	170.19		
12-24-a-01	Extra for providing/fixing approved quality Rim locks : Imported	Each	477.75	2,043.20	Each	477.75	2,043.20		
12-24-a-02	Extra for providing/fixing approved quality Rim locks : Local	Each	477.75	1,302.30	Each	477.75	1,302.30		
12-24-b-01	Extra for providing/fixing approved quality Rim locks : Imported	Each	335.89	885.59	Each	335.89	885.59		
12-24-b-02	Extra for providing/fixing approved quality Rim locks : Local	Each	335.89	621.50	Each	335.89	621.50		
12-25-a	Provide & fix exp. metal 1/2"-3/4"mesh 16 gauge Fixed to chowkat with 1" deodar wood strip etc	Sft	38.22	394.42	m2	411.25	4,244.01	12.2.1.21	
12-25-b	Provide & fix exp. metal 1/2"-3/4"mesh 16 gauge Fixed with 1" cover mould & screws including frame	Sft	32.19	770.50	m2	346.40	8,290.56	12.2.1.21	
12-26-a	Provide & fix deodar wood almirah 9"-12" depth including boxing with back, shelves, shutters etc	Sft	269.74	2,195.59	m2	2,902.46	23,624.55	12.1.2, 12.1.3 , 12.25	
12-26-b	Provide & fix deodar wood almirah 9"-12" depth With shelves, shutters etc witho boxing & back	Sft	194.77	1,298.91	m2	2,095.78	13,976.23	12.1.2, 12.1.3 , 12.25	
12-27-a	Provide & fix wooden box type wardrobe 22" deep Partal wood boxing & deodar wood shelves etc	Sft	282.90	1,433.03	m2	3,044.02	15,419.42	12.1.2, 12.1.3 , 12.25	
12-27-b	Provide & fix wooden box type wardrobe 22" deep Deodar wood boxing & deodar shelves etc	Sft	257.25	2,035.95	m2	2,768.01	21,906.88	12.1.2, 12.1.3 , 12.25	
12-28-a	Providing and fixing wooden box type wardrobe 24" (600 mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting. (UV Medium Density Fibre High Gloss Board 3/4" (19mm) thick Shutters and shelves and back with 3/4" thick laminated veneer board)	Sft	98.49	790.22	m2	1,059.75	8,502.72	12.1.2, 12.1.3 , 12.25	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-28-b	Providing and fixing wooden box type wardrobe 24" (600 mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting. (PVC Board 3/4" (19mm) High Gloss laminated thick Shutters and shelves and back with 3/4" thick plain laminated board)	Sft	98.49	954.95	m2	1,059.75	10,275.29	12.1.2, 12.1.3, 12.25	
12-29-a	Provide & fix chowkat for doors, windows & CS windows, including holdfast etc : Teak wood 2" thick	Sft	49.91	413.84	m2	536.99	4,452.95	12.2.1.5	
12-29-b	Provide & fix chowkat for doors, windows & CS windows, including holdfast etc : Shisham wood 2" thick	Sft	36.75	376.83	m2	395.43	4,054.74	12.2.1.5	
12-29-c	Provide & fix chowkat for doors, windows & CS windows, including holdfast etc : Deodar wood 2" thick	Sft	32.85	523.70	m2	353.51	5,635.01	12.2.1.5	
12-30-a	Make & fix deodar planking in eave boards etc planed on both sides complete : 1" thick	100 Sft	7,180.95	66,709.27	m2	772.67	7,177.92	12.14	
12-30-b	Make & fix deodar planking in eave boards etc planed on both sides complete : 3/4" thick	100 Sft	7,180.95	53,073.12	m2	772.67	5,710.67	12.14	
12-30-c	Make & fix deodar planking in eave boards etc planed on both sides complete : 1/2" thick	100 Sft	7,180.95	37,389.94	m2	772.67	4,023.16	12.14	
12-31-a	Make & fix deodar wood shelves, incl brackets 1" thick	100 Sft	7,180.95	66,503.73	m2	772.67	7,155.80	12.1, 12.14	
12-31-b	Make & fix deodar wood shelves, incl brackets 1.5" thick	100 Sft	7,180.95	94,030.55	m2	772.67	10,117.69	12.1, 12.14	
12-31-c	Make & fix deodar wood shelves, incl brackets 2" thick	100 Sft	7,180.95	123,266.23	m2	772.67	13,263.44	12.1, 12.14	
12-32-a	Providing and fixing First class Teak wood railing of approved design and sections in stair cases, balcony or parapet with deodar wood balusters of approved design and sections fixed into stringers, steps or walls, minimum height 2'-9" having hand rail with turning, bend posts, newal posts fixed with flat iron and screws including cutting holes in stringers walls steps and making good as required but including cost of polishing, stringers, steps and flat iron.	Rft	310.90	1,240.62	m	1,020.03	4,070.26	12.28	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-32-b	Providing and fixing First class Shisham wood railing of approved design and sections in stair cases, balcony or parapet with deodar wood balusters of approved design and sections fixed into stringers, steps or walls, minimum height 2'-9" having hand rail with turning, bend posts, newal posts fixed with flat iron and screws including cutting holes in stringers walls steps and making good as required but including cost of polishing, stringers, steps and flat iron.	Rft	310.90	1,165.76	m	1,020.03	3,824.67	12.28	
12-33-a	Providing and fixing First class Deodar wood railing of approved design and sections in stair cases, balcony or parapet with deodar wood balusters of approved design and sections fixed into stringers, steps or walls, minimum height 2'-9" having hand rail with turning, bend posts, newal posts fixed with flat iron and screws including cutting holes in stringers walls steps and making good as required but including cost of polishing, stringers, steps and flat iron.	Rft	310.90	1,510.92	m	1,020.03	4,957.10	12.28	
12-33-b	Providing and fixing First class Biar wood railing of approved design and sections in stair cases, balcony or parapet with deodar wood balusters of approved design and sections fixed into stringers, steps or walls, minimum height 2'-9" having hand rail with turning, bend posts, newal posts fixed with flat iron and screws including cutting holes in stringers walls steps and making good as required but including cost of polishing, stringers, steps and flat iron.	Rft	310.90	1,136.65	m	1,020.03	3,729.17	12.28	
12-33-c	Providing and fixing First class Partal wood railing of approved design and sections in stair cases, balcony or parapet with deodar wood balusters of approved design and sections fixed into stringers, steps or walls, minimum height 2'-9" having hand rail with turning, bend posts, newal posts fixed with flat iron and screws including cutting holes in stringers walls steps and making good as required but including cost of polishing, stringers, steps and flat iron.	Rft	310.90	803.96	m	1,020.03	2,637.67	12.28	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-34-a	Providing and fixing 1/2" (13mm) thick First class Shisham wood panelling in framework 3"x1.5" (75mmx38mm) of same wood on walls, jambs, skirting, cornice, chair rails and archivolt fixed on framed Shisham wood backing with rawl plugs or screws but excluding the cost of polishing as required.	100 Sft	13,965.00	37,992.44	m2	1,502.63	4,087.99	12.14	
12-34-b	Providing and fixing 1/2" (13mm) thick First class Deodar wood panelling in framework 3"x1.5" (75mmx38mm) of same wood on walls, jambs, skirting, cornice, chair rails and archivolt fixed on framed deodar wood backing with rawl plugs or screws but excluding the cost of polishing as required.	100 Sft	13,965.00	49,458.23	m2	1,502.63	5,321.71	12.14	
12-35	Deodar wood dado or picture rail 3"x1.5" as per approved design, including moulding etc. complete	Rft	129.36	669.22	m	424.41	2,195.60	12.14	
12-35-a	Deodar wood dado or picture rail 3"x1.5" , including moulding as per approved design and polishing etc. complete	Rft	129.36	518.29	m	424.41	1,700.44	12.14	
12-35-b	Biar wood dado or picture rail 3"x1.5" including moulding as per approved design and polishing etc. complete	Rft	129.36	422.57	m	424.41	1,386.40	12.14	
12-35-c	Partial wood dado or picture rail 3"x1.5" including moulding as per approved design and polishing etc. complete	Rft	129.36	337.49	m	424.41	1,107.25	12.14	
12-35-d	Deodar wood dado or picture rail 3"x1.5", including moulding as per approved design without polishing	Rft	66.15	352.59	m	217.03	1,156.80	12.14	
12-35-e	Biar wood dado or picture rail 3"x1.5", including moulding as per approved design without polishing	Rft	66.15	256.87	m	217.03	842.76	12.14	
12-35-f	Partial wood dado or picture rail 3"x1.5", including moulding as per approved design without polishing	Rft	66.15	171.79	m	217.03	563.61	12.14	
12-36-a	Sawing wood by hand : Soft wood (deodar, kail or chir)	100 Sft	2,572.50	2,572.50	m2	276.80	276.80	4.6.2 , 12.1.3.10	
12-36-b	Sawing wood by hand : Hard wood (shisham, kikar, teak or sahl)	100 Sft	5,145.00	5,145.00	m2	553.60	553.60	4.6.2 , 12.1.3.10	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-37-a	Sawing wood by machine : Soft Wood	100 Sft	1,372.00	1,372.00	m2	147.63	147.63	4.6.2 , 12.1.3.10	
12-37-b	Sawing wood by machine : Hard Wood	100 Sft	2,153.06	2,153.06	m2	231.67	231.67	4.6.2 , 12.1.3.10	
12-38	Making and fixing sun-shade of deodar wood including fixing brackets	100 Sft	8,680.35	79,712.05	m2	934.01	8,577.02	12.14	
12-39	Making and fixing 1" thick kail or chir wooden notice board with frame	Sft	99.22	330.54	m2	1,067.66	3,556.63	12.1	
12-40	Wooden stair-cases complete 2'-3' wide frame 1.5" thick planks of deodar wood including hand rails	Rft	398.85	4,635.19	m	1,308.56	15,207.32	12.2	
12-41-a-01	Providing and fixing partition including framework : Sheet on one side of frame : Hard board	100 Sft	1,722.77	10,708.18	m2	185.37	1,152.20	12.1	
12-41-a-02	Providing and fixing partition including framework : Sheet on one side of frame : Ply wood 1/4" thick	100 Sft	1,722.77	11,021.80	m2	185.37	1,185.95	12.1	
12-41-a-03	Providing and fixing partition including framework : Sheet on one side of frame : Masonite 5/16"	100 Sft	1,722.77	29,452.74	m2	185.37	3,169.11	12.1	
12-41-b-01	Providing and fixing partition including framework : Sheets on both sides of frame : Hard board 5/16"	100 Sft	2,072.70	13,185.90	m2	223.02	1,418.80	12.1	
12-41-b-02	Providing and fixing partition including framework : Sheets on both sides of frame : Ply wood 1/4"	100 Sft	2,072.70	13,637.61	m2	223.02	1,467.41	12.1	
12-41-b-03	Providing and fixing partition including framework : Sheets on both sides of frame : Masonite 5/16"	100 Sft	2,072.70	49,269.32	m2	223.02	5,301.38	12.1	
12-42-a	Providing and fixing ceiling, including frame work : Hard board 5/16"	100 Sft	3,444.21	13,163.96	m2	370.60	1,416.44	12.1 , 9.22	
12-42-b	Providing and fixing ceiling, including frame work : Chip Board 1/2"	100 Sft	3,444.21	15,518.68	m2	370.60	1,669.81	9.19	
12-42-c	Providing and fixing ceiling, including frame work : Ply wood 1/4" thick	100 Sft	3,444.21	13,322.27	m2	370.60	1,433.48	9.19	
12-42-d	Providing and fixing ceiling, including frame work : Masonite 5/16"	100 Sft	3,444.21	30,294.85	m2	370.60	3,259.73	9.22	
12-43-a-01	Provide & fix, thermopore false ceiling complete Deodar wood frame panelling : 3/4" thick	100 Sft	2,805.49	17,633.96	m2	301.87	1,897.41	12.1 , 9.20	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-43-a-02	Provide & fix, thermopore false ceiling complete Deodar wood frame panelling : 1" thick	100 Sft	2,805.49	17,884.91	m2	301.87	1,924.42	9.2	
12-43-b-01	Provide & fix, thermopore false ceiling complete Partial wood frame panelling : 3/4" thick	100 Sft	2,805.49	9,000.09	m2	301.87	968.41	9.2	
12-43-b-02	Provide & fix, thermopore false ceiling complete Partial wood frame panelling : 1" thick	100 Sft	2,805.49	9,251.04	m2	301.87	995.41	9.2	
12-44-a	Providing and fixing 1/2" thick Medium Density Fibreboard (Lasani) ceiling of required shape fixed with screws and nails perforated in corners if required but excluding the cost of frame in ground floor upto 14 ft high including guffing.	Sft	15.21	119.05	m2	163.71	1,280.93	9.19	
12-44-b	Providing and fixing 3/4" thick Medium Density Fibreboard (Lasani) ceiling of required shape fixed with screws and nails perforated in corners if required but excluding the cost of frame in ground floor upto 14 ft high including guffing.	Sft	15.21	136.97	m2	163.71	1,473.81	9.19	
12-44-c	Providing and fixing 3/8" thick Medium Density Fibreboard (Lasani) ceiling of required shape fixed with screws and nails perforated in corners if required but excluding the cost of frame in ground floor upto 14 ft high including guffing.	Sft	15.21	107.10	m2	163.71	1,152.35	9.19	
12-45	P/F of plaster of paris tile of size 2' x 2' x 1" false ceiling with finishing of joints along with Aluminum L and T sections and Hanging wires	100 Sft	2,940.00	17,163.99	m2	316.34	1,846.85	9.21	
12-46-a	P/F of plaster of paris Gola (Comer) 8" width ornamental design with finishing of joints complete	Rft	57.51	63.97	m	188.69	209.86	9.21	
12-46-b	P/F of plaster Gola (Comer) 2" width ornamental design with finishing of joints complete	Rft	69.02	113.11	m	226.43	371.10	9.21	
12-47	Supply and Fixing accoustic mineral fibre tile ceiling fixed with aluminium tee hung by GI wire fixed in roof	100 Sft	4,140.50	21,746.44	m2	445.52	2,339.92	9.19	
12-48-a	Fixing Door including chowkats	Each	326.34	326.34	Each	326.34	326.34	12.2	
12-48-b	Fixing Windows including chowkats	Each	326.34	326.34	Each	326.34	326.34	12.2	



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Chapter # : 12 WOOD WORK, WOODEN ALUMINIUM JOINERY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-49-a	First class deodar wood wrought joinery in doors and windows etc. panelled or panelled or glazed or fully glazed fixed in position including chowkhat, holdfast, hinges, tower bolt rubber stop cleats/G I clamp, handles and chord with hooks etc. complete (excluding sliding bolts or lock) : 2" (50mm) thick.	Sft	201.84	1,511.86	m2	2,171.83	16,267.62	12.14	
12-49-b	First class deodar wood wrought joinery in doors and windows etc. panelled or panelled or glazed or fully glazed fixed in position including chowkhat, holdfast, hinges, tower bolt rubber stop cleats/G I clamp, handles and chord with hooks etc. complete (excluding sliding bolts or lock) : 1¾" (45mm) thick.	Sft	201.84	1,430.00	m2	2,171.83	15,386.84	12.14	
12-49-c	First class deodar wood wrought joinery in doors and windows etc. panelled or panelled or glazed or fully glazed fixed in position including chowkhat, holdfast, hinges, tower bolt rubber stop cleats/G I clamp, handles and chord with hooks etc. complete (excluding sliding bolts or lock) : 1½" (40mm) thick.	Sft	201.84	1,372.64	m2	2,171.83	14,769.65	12.14	
12-50-a	Glazing with panes (16-18 oz) including cost of putty	Sft	26.97	162.16	m2	290.21	1,744.79	12.12	
12-50-b	Glazing with panes (16-18 oz) using deodar wooden fillets & putty	Sft	40.13	213.55	m2	431.77	2,297.82	12.12	
12-50-c	Glazing with panes (24-26 oz) using putty & deodar wooden fillets	Sft	40.13	213.55	m2	431.77	2,297.82	12.12	
12-51-a	Cutting to required size & fixing glass panes with putty.	100 Sft	1,882.33	2,103.29	m2	202.54	226.31	12.12	
12-51-b	Cutting to required size & fixing glass panes Using deodar wood fillets & putty	Sft	36.55	78.62	m2	393.32	845.90	12.12	
12-52-a	Glazing with plate glass 6 mm thick including cost of deodar wood fillet & putty : Upto 0.75 m2	Sft	54.55	214.84	m2	586.92	2,311.68	12.12	
12-52-b	Glazing with plate glass 6 mm thick including cost of deodar wood fillet & putty : 0.75m2 to 2.25 m2	Sft	54.55	213.95	m2	586.92	2,302.14	12.12	
12-53-a	Providing and Fixing of 4 Way Structural Glazing in Aluminum Section of Thickness 2mm, Brackets, Anchor Bolts, Hardware, Silicon, Gasket. 6mm Clear Low E Glass Tempered + 12mm Air Gap + 5mm Clear Glass Tempered. As per U-Value: 1.8 SC: 0.62 LT: 65%	Sft	11.21	1,206.21	m2	120.61	12,978.81	12.12	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-53-b	Providing and Fixing of Tempered Glass with Aluminium of Thickness 2mm, SS Spider (Grade 202), M.S Plates with Powder Coating, Floor Hinge (GCC), Patch Fitting, Handle, Local, Silicone. 6mm Clear Low E Glass Tempered + 12mm Air Gap + 5mm Clear Glass Ghani Tempered. (U-Value: 1.8, SC: 0.62, LT: 65%)	Sft	11.21	1,600.56	m2	120.61	17,222.02	12.12	
12-53-c	Providing and Fixing of Tempered Glass with Aluminium of Thickness 2mm, SS Spider (Grade 202), M.S Plates with Powder Coating, Floor Hinge (GCC), Patch Fitting, Handle, Local, Silicone. 6mm Clear Low E Glass Tempered + 12mm Air Gap + 5mm Clear Glass Ghani Tempered. (U-Value: 1.8 SC: 0.62 LT: 65%)	Sft	17.49	2,078.62	m2	188.15	22,365.97	12.12	
12-54-a	1.5" thick deodar doors & windows, chowkat of MS angle iron 1.5"x1.5"x1/4" welded with MS flat	Sft	10.01	882.19	m2	107.75	9,492.33	12.2 , 25.5	
12-54-b	1.5" thick deodar doors & windows, chowkat of MS tee iron 1.5"x 1.5"x 1/4" welded with MS flat	Sft	10.01	825.08	m2	107.75	8,877.91	12.2 , 25.5	
12-55-a	1.5" thick hollow flush door/window, chowkat of MS angle iron 1.5"x1.5"x1/4" welded with MS flat	Sft	168.73	1,021.11	m2	1,815.55	10,987.14	12.2	
12-55-b	1.5" thick hollow flush door/window, chowkat of MS tee iron 1.5"x 1.5"x 1/4" welded with MS flat	Sft	168.44	968.06	m2	1,812.39	10,416.31	12.2	
12-56-a	Providing and fixing 1.5" (38mm) thick pressed veneered door shutters fully flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved brass hinges, tower bolts as required.	Sft	76.83	667.02	m2	826.73	7,177.13	12.3	
12-56-b	Providing and fixing 1.5" (38 mm) thick pressed veneered door shutters fully flushed with First class wood veneering on all faces and sides fixed over partal wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved iron hinges, tower bolts as required.	Sft	76.83	322.52	m2	826.73	3,470.36	12.2	
12-56-c	Providing and fixing of Teak wood joinery (factory made) complete in all respects including chowkat and frame and fittings complete in all respects.	Sft	368.97	1,468.07	m2	3,970.12	15,796.47	12.14	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-57-a	Providing and fixing single leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with two coats of red oxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.	Sft	172.16	746.84	m2	1,852.39	8,035.96	25.5	
12-57-b	Providing and fixing double leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with two coats of red oxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.	Sft	169.36	739.50	m2	1,822.34	7,956.99	25.5	
12-58	24 SWG aluminium kick plate 4" high, on bottom rail of flush doors of commercial ply	Rft	63.15	93.78	m	207.18	307.69	12.19.19	
12-59	Providing and Fixing of Aluminium Cladding of approved color & design including all necessary fittings, angles, tees etc. complete in all respects	Sft	4,042.50	4,754.75	m2	43,497.30	51,161.15	12.15	
12-59-a	Providing and Fixing of Aluminium Cladding of approved color & design including all necessary fittings, angles, tees etc. complete in all respects	Sft	4,141.50	4,871.67	m2	44,562.54	52,419.14	12.15	
12-59-b	Providing and fixing of Aluminium Cladding including all necessary fittings, scaffolding sft etc complete in all respects.	sft	4,141.50	4,871.67	m2	44,562.54	52,419.14	12.15	
12-60	Curtain railing to doors & windows comprising railing of approved quality including paint	Rft	41.38	258.35	m	135.76	847.60	12.19.26	
12-61	MS flat 1/2"x1/8" grill in windows of approved design	Sft	72.90	274.95	m2	784.40	2,958.41	12.2.1.20	
12-62	Provide & fix GI wire gauze 22 SWG, 12x12 mesh per sq. in, fixed to steel window complete	Sft	69.31	271.10	m2	745.78	2,917.07	12.11	
12-63-a	Hollow flush door 2" thick including iron mongery excluding chowkat & lock : Teak veneered	Sft	46.55	899.63	m2	500.88	9,679.97	12.2	
12-63-b	Hollow flush door 2" thick including iron mongery excluding chowkat & lock : Shisham veneered	Sft	46.55	848.53	m2	500.88	9,130.16	12.2	
12-63-c	Hollow flush door 2" thick including iron mongery excluding chowkat & lock : Deodar veneered	Sft	46.45	941.36	m2	499.76	10,128.98	12.2	
12-63-d	Hollow flush door 2" thick including iron mongery excluding chowkat & lock : Commercial veneered	Sft	46.55	827.26	m2	500.88	8,901.37	12.2	
12-64-a-01	Supply and Fixing aluminium door/window, Fixed Glazing Economy model (1.20 mm gauge) 3" section	Sft	70.56	527.05	m2	759.23	5,671.06		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-64-a-02	Supply and Fixing aluminium door/window, Fixed Glazing Economy model (1.20 mm gauge) 4" section	Sft	70.56	556.92	m2	759.23	5,992.51		
12-64-a-03	Supply and Fixing aluminium door/window, Fixed Glazing Economy model (1.60 mm gauge) 3" section	Sft	70.56	547.36	m2	759.23	5,889.65		
12-64-a-04	Supply and Fixing aluminium door/window, Fixed Glazing Economy model (1.60 mm gauge) 4" section	Sft	70.56	578.43	m2	759.23	6,223.96		
12-64-a-05	Supply and Fixing aluminium door/window, Fixed Glazing Premium model (2.00 mm gauge) 3" section	Sft	70.56	566.48	m2	759.23	6,095.38		
12-64-a-06	Supply and Fixing aluminium door/window, Fixed Glazing Premium model (2.00 mm gauge) 4" section	Sft	70.56	598.75	m2	759.23	6,442.55		
12-64-a-07	Supply and Fixing aluminium door/window, Fixed Glazing Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	70.56	539.00	m2	759.23	5,799.64		
12-64-a-08	Supply and Fixing aluminium door/window, Fixed Glazing Economy model (1.20 mm gauge) Bronz/Black 4" section	Sft	70.56	570.07	m2	759.23	6,133.95		
12-64-a-09	Supply and Fixing aluminium door/window, Fixed Glazing Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	70.56	559.32	m2	759.23	6,018.23		
12-64-a-10	Supply and Fixing aluminium door/window, Fixed Glazing Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	590.39	m2	759.23	6,352.54		
12-64-a-11	Supply and Fixing aluminium door/window, Fixed Glazing Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	70.56	578.43	m2	759.23	6,223.96		
12-64-a-12	Supply and Fixing aluminium door/window, Fixed Glazing Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	611.90	m2	759.23	6,583.99		
12-64-b-01	Supply and Fixing aluminium door/window, Fixed Arch Economy model (1.20 mm gauge) 3" section	Sft	70.56	541.39	m2	759.23	5,825.36		
12-64-b-02	Supply and Fixing aluminium door/window, Fixed Arch Economy model (1.20 mm gauge) 4" section	Sft	70.56	571.27	m2	759.23	6,146.81		
12-64-b-03	Supply and Fixing aluminium door/window, Fixed Arch Deluxe model (1.60 mm gauge) 3" section	Sft	70.56	560.51	m2	759.23	6,031.09		



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-64-b-04	Supply and Fixing aluminium door/window,Fixed Arch Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	592.78	m2	759.23	6,378.26		
12-64-b-05	Supply and Fixing aluminium door/window,Fixed Arch Premium model (2.00 mm gauge) 3" section	Sft	70.56	580.83	m2	759.23	6,249.68		
12-64-b-06	Supply and Fixing aluminium door/window,Fixed Arch Premium model (2.00 mm gauge) 4" section	Sft	70.56	614.29	m2	759.23	6,609.71		
12-64-b-07	Supply and Fixing aluminium door/window,Fixed Arch Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	70.56	553.34	m2	759.23	5,953.94		
12-64-b-08	Supply and Fixing aluminium door/window,Fixed Arch Economy model (1.20 mm gauge) Bronz/Black 4" section	Sft	70.56	584.41	m2	759.23	6,288.25		
12-64-b-09	Supply and Fixing aluminium door/window,Fixed Arch Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	70.56	573.66	m2	759.23	6,172.53		
12-64-b-10	Supply and Fixing aluminium door/window,Fixed Arch Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	607.11	m2	759.23	6,532.56		
12-64-b-11	Supply and Fixing aluminium door/window,Fixed Arch Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	70.56	593.97	m2	759.23	6,391.12		
12-64-b-12	Supply and Fixing aluminium door/window,Fixed Arch Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	628.63	m2	759.23	6,764.00		
12-64-c-01	Supply and Fixing aluminium door/window,Fly Screen Shutter Economy model (1.20 mm gauge) 2" section	Sft	24.55	257.57	m2	264.15	2,771.50		
12-64-c-02	Supply and Fixing aluminium door/window,Fly Screen Shutter Economy model (1.20 mm gauge) 3" section	Sft	24.55	276.69	m2	264.15	2,977.23		
12-64-c-03	Supply and Fixing aluminium door/window,Fly Screen Shutter Deluxe model (1.60 mm gauge) 2" section	Sft	24.55	269.52	m2	264.15	2,900.08		
12-64-c-04	Supply and Fixing aluminium door/window,Fly Screen Shutter Deluxe model (1.60 mm gauge) 3" section	Sft	24.55	288.64	m2	264.15	3,105.81		
12-64-c-05	Supply and Fixing aluminium door/window,Fly Screen Shutter Premium model (2.00 mm gauge) 2" section	Sft	24.55	281.47	m2	264.15	3,028.66		



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-64-c-06	Supply and Fixing aluminium door/window,Fly Screen Shutter Premium model (2.00 mm gauge) 3" section	Sft	24.55	301.79	m2	264.15	3,247.25		
12-64-c-07	Supply and Fixing aluminium door/window,Fly Screen Shutter Economy model (1.20 mm gauge) Bronz/Black 2" section	Sft	24.55	264.74	m2	264.15	2,848.65		
12-64-c-08	Supply and Fixing aluminium door/window,Fly Screen Shutter Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	24.55	283.86	m2	264.15	3,054.38		
12-64-c-09	Supply and Fixing aluminium door/window,Fly Screen Shutter Deluxe model (1.60 mm gauge) Bronz/Black 2" section	Sft	24.55	276.69	m2	264.15	2,977.23		
12-64-c-10	Supply and Fixing aluminium door/window,Fly Screen Shutter Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	24.55	297.01	m2	264.15	3,195.82		
12-64-c-11	Supply and Fixing aluminium door/window,Fly Screen Shutter Premium model (2.00 mm gauge) Bronz/Black 2" section	Sft	24.55	288.64	m2	264.15	3,105.81		
12-64-c-12	Supply and Fixing aluminium door/window,Fly Screen Shutter Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	24.55	310.15	m2	264.15	3,337.26		
12-64-d-01	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Economy model (1.20 mm gauge) 2" section	Sft	24.55	329.27	m2	264.15	3,542.99		
12-64-d-02	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Economy model (1.20 mm gauge) 3" section	Sft	24.55	353.17	m2	264.15	3,800.15		
12-64-d-03	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Deluxe model (1.60 mm gauge) 2" section	Sft	24.55	344.81	m2	264.15	3,710.14		
12-64-d-04	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Deluxe model (1.60 mm gauge) 3" section	Sft	24.55	369.90	m2	264.15	3,980.17		
12-64-d-05	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Premium model (2.00 mm gauge) 2" section	Sft	24.55	360.34	m2	264.15	3,877.30		
12-64-d-06	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Premium model (2.00 mm gauge) 3" section	Sft	24.55	386.63	m2	264.15	4,160.18		



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-64-d-07	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Economy model (1.2 mm gauge) Bronz/Black 2" section	Sft	24.55	338.83	m2	264.15	3,645.85		
12-64-d-08	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Economy model (1.2 mm gauge) Bronz/Black 3" section	Sft	24.55	363.93	m2	264.15	3,915.88		
12-64-d-09	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Deluxe model (1.60 mm gauge) Bronz/Black 2" section	Sft	24.55	354.37	m2	264.15	3,813.01		
12-64-d-10	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	24.55	380.66	m2	264.15	4,095.89		
12-64-d-11	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Premium model (2.00 mm gauge) Bronz/Black 2" section	Sft	24.55	369.90	m2	264.15	3,980.17		
12-64-d-12	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	24.55	397.39	m2	264.15	4,275.91		
12-64-e-01	Supply and Fixing aluminium door/window, Fixed Louver in frame Economy model (1.20 mm gauge) 2" section	Sft	36.75	478.90	m2	395.43	5,152.96		
12-64-e-02	Supply and Fixing aluminium door/window, Fixed Louver in frame Economy model (1.20 mm gauge) 3" section	Sft	36.75	549.41	m2	395.43	5,911.60		
12-64-e-03	Supply and Fixing aluminium door/window, Fixed Louver in frame Deluxe model (1.60 mm gauge) 2" section	Sft	36.75	501.61	m2	395.43	5,397.27		
12-64-e-04	Supply and Fixing aluminium door/window, Fixed Louver in frame Deluxe model (1.60 mm gauge) 3" section	Sft	36.75	575.70	m2	395.43	6,194.48		
12-64-e-05	Supply and Fixing aluminium door/window, Fixed Louver in frame Premium model (2.00 mm gauge) 2" section	Sft	36.75	523.11	m2	395.43	5,628.72		
12-64-e-06	Supply and Fixing aluminium door/window, Fixed Louver in frame Premium model (2.00 mm gauge) 3" section	Sft	36.75	600.79	m2	395.43	6,464.50		
12-64-e-07	Supply and Fixing aluminium door/window, Fixed Louver in frame Economy model (1.20 mm gauge) Bronz/Black 2" section	Sft	36.75	492.05	m2	395.43	5,294.40		



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-64-e-08	Supply and Fixing aluminium door/window, Fixed Louver in frame Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	36.75	564.94	m2	395.43	6,078.75		
12-64-e-09	Supply and Fixing aluminium door/window, Fixed Louver in frame Deluxe model (1.60 mm gauge) Bronz/Black 2" section	Sft	36.75	514.75	m2	395.43	5,538.71		
12-64-e-10	Supply and Fixing aluminium door/window, Fixed Louver in frame Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	36.75	591.23	m2	395.43	6,361.63		
12-64-e-11	Supply and Fixing aluminium door/window, Fixed Louver in frame Premium model (2.00 mm gauge) Bronz/Black 2" section	Sft	36.75	537.46	m2	395.43	5,783.02		
12-64-e-12	Supply and Fixing aluminium door/window, Fixed Louver in frame Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	36.75	617.52	m2	395.43	6,644.52		
12-64-f-01	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Economy model (1.20 mm gauge) 3" section	Sft	82.91	725.82	m2	892.09	7,809.80		
12-64-f-02	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Economy model (1.20 mm gauge) 4" section	Sft	82.91	779.59	m2	892.09	8,388.42		
12-64-f-03	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Deluxe model (1.60 mm gauge) 3" section	Sft	82.91	748.52	m2	892.09	8,054.11		
12-64-f-04	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Deluxe model (1.60 mm gauge) 4" section	Sft	82.91	804.69	m2	892.09	8,658.44		
12-64-f-05	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Premium model (2.00 mm gauge) 3" section	Sft	82.91	771.23	m2	892.09	8,298.41		
12-64-f-06	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Premium model (2.00 mm gauge) 4" section	Sft	82.91	829.78	m2	892.09	8,928.46		
12-64-f-07	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Economy model (1.20 mm gauge) Bronze/Black 3" section	Sft	82.91	742.55	m2	892.09	7,989.82		
12-64-f-08	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Economy model (1.20 mm gauge) Bronze/Black 4" section	Sft	82.91	798.71	m2	892.09	8,594.15		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-64-f-09	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Deluxe model (1.60 mm gauge) Bronze/Black 3" section	Sft	82.91	766.45	m2	892.09	8,246.98		
12-64-f-10	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Deluxe model (1.60 mm gauge) Bronze/Black 4" section	Sft	82.91	825.00	m2	892.09	8,877.03		
12-64-f-11	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Premium model (2.00 mm gauge) Bronze/Black 3" section	Sft	82.91	789.15	m2	892.09	8,491.29		
12-64-f-12	Supply and Fixing aluminium door/window, Fixed Louver in Door frame Premium model (2.00 mm gauge) Bronze/Black 4" section	Sft	82.91	850.10	m2	892.09	9,147.05		
12-65-a-01	Supply and Fixing aluminium door/window, Sliding Window Economy model (1.20 mm gauge) 3" section	Sft	70.56	604.72	m2	759.23	6,506.84		
12-65-a-02	Supply and Fixing aluminium door/window, Sliding Window Economy model (1.20 mm gauge) 4" section	Sft	70.56	640.58	m2	759.23	6,892.59		
12-65-a-03	Supply and Fixing aluminium door/window, Sliding Window Deluxe model (1.60 mm gauge) 3" section	Sft	70.56	636.99	m2	759.23	6,854.01		
12-65-a-04	Supply and Fixing aluminium door/window, Sliding Window Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	675.23	m2	759.23	7,265.47		
12-65-a-05	Supply and Fixing aluminium door/window, Sliding Window Premium model (2.00 mm gauge) 3" section	Sft	70.56	669.26	m2	759.23	7,201.18		
12-65-a-06	Supply and Fixing aluminium door/window, Sliding Window Premium model (2.00 mm gauge) 4" section	Sft	70.56	709.89	m2	759.23	7,638.36		
12-65-a-07	Supply and Fixing aluminium door/window, Sliding Window Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	70.56	617.87	m2	759.23	6,648.28		
12-65-a-08	Supply and Fixing aluminium door/window, Sliding Window Economy model (1.20 mm gauge) Bronz/Black 4" section	Sft	70.56	654.91	m2	759.23	7,046.89		
12-65-a-09	Supply and Fixing aluminium door/window, Sliding Window Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	70.56	651.33	m2	759.23	7,008.31		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-65-a-10	Supply and Fixing aluminium door/window, Sliding Window Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	690.77	m2	759.23	7,432.63		
12-65-a-11	Supply and Fixing aluminium door/window, Sliding Window Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	70.56	684.79	m2	759.23	7,368.34		
12-65-a-12	Supply and Fixing aluminium door/window, Sliding Window Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	726.61	m2	759.23	7,818.38		
12-65-b-01	Supply and Fixing aluminium door/window, Hinged Window Economy model (1.20 mm gauge) 3" section	Sft	70.56	614.29	m2	759.23	6,609.71		
12-65-b-02	Supply and Fixing aluminium door/window, Hinged Window Economy model (1.20 mm gauge) 4" section	Sft	70.56	651.33	m2	759.23	7,008.31		
12-65-b-03	Supply and Fixing aluminium door/window, Hinged Window Deluxe model (1.60 mm gauge) 2.5" section	Sft	70.56	638.18	m2	759.23	6,866.87		
12-65-b-04	Supply and Fixing aluminium door/window, Hinged Window Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	676.42	m2	759.23	7,278.33		
12-65-b-05	Supply and Fixing aluminium door/window, Hinged Window Premium model (2.00 mm gauge) 3" section	Sft	70.56	662.09	m2	759.23	7,124.03		
12-65-b-06	Supply and Fixing aluminium door/window, Hinged Window Premium model (2.00 mm gauge) 4" section	Sft	70.56	701.52	m2	759.23	7,548.35		
12-65-b-07	Supply and Fixing aluminium door/window, Hinged Window Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	70.56	628.63	m2	759.23	6,764.00		
12-65-b-08	Supply and Fixing aluminium door/window, Hinged Window Economy model (1.20 mm gauge) Bronz/Black 4" section	Sft	70.56	665.67	m2	759.23	7,162.61		
12-65-b-09	Supply and Fixing aluminium door/window, Hinged Window Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	70.56	652.53	m2	759.23	7,021.17		
12-65-b-10	Supply and Fixing aluminium door/window, Hinged Window Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	691.96	m2	759.23	7,445.49		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-65-b-11	Supply and Fixing aluminium door/window, Hinged Window Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	70.56	677.62	m2	759.23	7,291.19		
12-65-b-12	Supply and Fixing aluminium door/window, Hinged Window Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	718.25	m2	759.23	7,728.37		
12-65-c-01	Supply and Fixing aluminium door/window, Hinged Door Economy model (1.20 mm gauge) 3" section	Sft	70.56	619.07	m2	759.23	6,661.14		
12-65-c-02	Supply and Fixing aluminium door/window, Hinged Door Economy model (1.20 mm gauge) 4" section	Sft	70.56	656.11	m2	759.23	7,059.74		
12-65-c-03	Supply and Fixing aluminium door/window, Hinged Door Deluxe model (1.60 mm gauge) 3" section	Sft	70.56	642.97	m2	759.23	6,918.30		
12-65-c-04	Supply and Fixing aluminium door/window, Hinged Door Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	681.21	m2	759.23	7,329.77		
12-65-c-05	Supply and Fixing aluminium door/window, Hinged Door Premium model (2.00 mm gauge) 3" section	Sft	70.56	666.86	m2	759.23	7,175.47		
12-65-c-06	Supply and Fixing aluminium door/window, Hinged Door Premium model (2.00 mm gauge) 4" section	Sft	70.56	707.49	m2	759.23	7,612.65		
12-65-c-07	Supply and Fixing aluminium door/window, Hinged Door Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	70.56	633.41	m2	759.23	6,815.44		
12-65-c-08	Supply and Fixing aluminium door/window, Hinged Door Economy model (1.20 mm gauge) Bronz/Black 4" section	Sft	70.56	671.65	m2	759.23	7,226.90		
12-65-c-09	Supply and Fixing aluminium door/window, Hinged Door Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	70.56	658.50	m2	759.23	7,085.46		
12-65-c-10	Supply and Fixing aluminium door/window, Hinged Door Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	697.93	m2	759.23	7,509.78		
12-65-c-11	Supply and Fixing aluminium door/window, Hinged Door Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	70.56	682.40	m2	759.23	7,342.62		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-65-c-12	Supply and Fixing aluminium door/window, Hinged Door Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	724.22	m2	759.23	7,792.66		
12-65-d-01	Supply and Fixing aluminium door/window, Sliding Door Economy model (1.20 mm gauge) 3" section	Sft	70.56	666.86	m2	759.23	7,175.47		
12-65-d-02	Supply and Fixing aluminium door/window, Sliding Door Economy model (1.20 mm gauge) 4" section	Sft	70.56	707.49	m2	759.23	7,612.65		
12-65-d-03	Supply and Fixing aluminium door/window, Sliding Door Deluxe model (1.60 mm gauge) 3" section	Sft	70.56	693.16	m2	759.23	7,458.35		
12-65-d-04	Supply and Fixing aluminium door/window, Sliding Door Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	734.98	m2	759.23	7,908.38		
12-65-d-05	Supply and Fixing aluminium door/window, Sliding Door Premium model (2.00 mm gauge) 3" section	Sft	70.56	719.45	m2	759.23	7,741.23		
12-65-d-06	Supply and Fixing aluminium door/window, Sliding Door Premium model (2.00 mm gauge) 4" section	Sft	70.56	763.66	m2	759.23	8,216.98		
12-65-d-07	Supply and Fixing aluminium door/window, Sliding Door Economy model (1.20 mm gauge) Bronz/Black 3" section	Sft	70.56	682.40	m2	759.23	7,342.62		
12-65-d-08	Supply and Fixing aluminium door/window, Sliding Door Economy model (1.20 mm gauge) Bronz/Black 4" section	Sft	70.56	751.71	m2	759.23	8,088.40		
12-65-d-09	Supply and Fixing aluminium door/window, Sliding Door Deluxe model (1.60 mm gauge) Bronz/Black 3" section	Sft	70.56	736.17	m2	759.23	7,921.24		
12-65-d-10	Supply and Fixing aluminium door/window, Sliding Door Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	781.59	m2	759.23	8,409.85		
12-65-d-11	Supply and Fixing aluminium door/window, Sliding Door Premium model (2.00 mm gauge) Bronz/Black 3" section	Sft	70.56	764.85	m2	759.23	8,229.84		
12-65-d-12	Supply and Fixing aluminium door/window, Sliding Door Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	812.66	m2	759.23	8,744.17		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-65-e-01	Supply and Fixing aluminium door/window, Swing Door Single Action Deluxe model (1.60 mm gauge) 3.5" section	Sft	70.56	749.32	m2	759.23	8,062.68		
12-65-e-02	Supply and Fixing aluminium door/window, Swing Door Single Action Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	769.64	m2	759.23	8,281.27		
12-65-e-03	Supply and Fixing aluminium door/window, Swing Door Single Action Premium model (2.00 mm gauge) 3.5" section	Sft	70.56	775.61	m2	759.23	8,345.56		
12-65-e-04	Supply and Fixing aluminium door/window, Swing Door Single Action Premium model (2.00 mm gauge) 4" section	Sft	70.56	795.92	m2	759.23	8,564.15		
12-65-e-05	Supply and Fixing aluminium door/window, Swing Door Single Action Deluxe model (2.00 mm gauge) Bronz/Black 3.5" section	Sft	70.56	749.32	m2	759.23	8,062.68		
12-65-e-06	Supply and Fixing aluminium door/window, Swing Door Single Action Deluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	769.64	m2	759.23	8,281.27		
12-65-e-07	Supply and Fixing aluminium door/window, Swing Door Single Action Premium model (2.00 mm gauge) Bronz/Black 3.5" section	Sft	70.56	775.61	m2	759.23	8,345.56		
12-65-e-08	Supply and Fixing aluminium door/window, Swing Door Single Action Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	795.92	m2	759.23	8,564.15		
12-65-e-09	Supply and Fixing aluminium door/window, Swing Door Double Action Deluxe model (1.60 mm gauge) 3.5" section	Sft	70.56	767.24	m2	759.23	8,255.56		
12-65-e-10	Supply and Fixing aluminium door/window, Swing Door Double Action Deluxe model (1.60 mm gauge) 4" section	Sft	70.56	787.56	m2	759.23	8,474.15		
12-65-e-11	Supply and Fixing aluminium door/window, Swing Door Double Action Premium model (2.00 mm gauge) 3.5" section	Sft	70.56	793.54	m2	759.23	8,538.44		
12-65-e-12	Supply and Fixing aluminium door/window, Swing Door Double Action Premium model (2.00 mm gauge) 4" section	Sft	70.56	813.85	m2	759.23	8,757.03		
12-65-e-13	Supply and Fixing aluminium door/window, Swing Door Double Action Deluxe model (2.00 mm gauge) Bronz/Black 3.5" section	Sft	70.56	767.24	m2	759.23	8,255.56		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-65-e-14	Supply and Fixing aluminium door/window, Swing Door Double ActionDeluxe model (1.60 mm gauge) Bronz/Black 4" section	Sft	70.56	787.56	m2	759.23	8,474.15		
12-65-e-15	Supply and Fixing aluminium door/window, Swing Door Double Action Premium model (2.00 mm gauge) Bronz/Black 3.5" section	Sft	70.56	793.54	m2	759.23	8,538.44		
12-65-e-16	Supply and Fixing aluminium door/window, Swing Door Double Action Premium model (2.00 mm gauge) Bronz/Black 4" section	Sft	70.56	813.85	m2	759.23	8,757.03		
12-65-f-01	Supply and Fixing aluminium door/window, Other items Aluminium Short Handle	each	48.95	646.45	each	48.95	646.45		
12-65-f-02	Supply and Fixing aluminium door/window, Other items Aluminium Long Handle	each	48.95	1,004.95	each	48.95	1,004.95		
12-65-f-03	Supply and Fixing aluminium door/window, Other items Lock for Aluminium	each	61.30	658.80	Each	61.30	658.80		
12-65-f-04	Supply and Fixing aluminium door/window, Other items Hydraulic Door Closer Single Action	each	183.75	2,215.25	Each	183.75	2,215.25		
12-65-f-05	Supply and Fixing aluminium door/window, Other items Hydraulic Door Closer Double Action	each	183.75	2,812.75	Each	183.75	2,812.75		
12-66	Supply and Fixing of double glazed aluminium (color as approved) Premium model (Gauge 2 mm) 4" sect. Sliding window, including all necessary fittngs and fly screen shutters complete.	Sft	758.15	1,430.94	m2	8,157.72	15,396.89	12.12 , 12.26	
12-67-a	Wall Panelling over 0.5" thick chipboard & wood frame (2"x0.75") 2'x2' grid : Sheesham Ply	Sft	117.67	243.30	m2	1,266.17	2,617.92	12.23.3	
12-67-b	Wall Panelling over 0.5" thick chipboard & wood frame (2"x0.75") 2'x2'grid : Lamination Sheet	Sft	88.57	223.08	m2	952.99	2,400.34	12.23.3	
12-67-c	Wall Panelling over 0.5" thick chipboard & wood frame (2"x0.75") 2'x2' grid : Commercial Ply	Sft	117.60	217.63	m2	1,265.38	2,341.67	12.23.3	
12-68	Providing and fixing PVC wall Panelling 9" wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.	Sft	58.26	124.33	m2	626.89	1,337.82	12.23.3	
12-69-a	Providing and fixing with sunken iron screws over existing base of iron or wood First class deodar wood moulding as hand rails, studs, lathe etc. of approved design 4 to 6 sq.inch in cross section as required.	Rft	108.12	419.66	m	354.72	1,376.82	12.23.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-69-b	Providing and fixing with sunken iron screws over existing base of iron or wood First class shisham wood moulding as hand rails, studs, lathe etc. of approved design 4 to 6 sq.inch in cross section as required.	Rft	108.12	328.80	m	354.72	1,078.75	12.23.4	
12-70-a	Supply and Fixing MS Sheet 16 guage(10" x 2") box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc	Rft	74.77	346.35	m	245.30	1,136.31	25.5	
12-70-b	Wood plastic composite door patio door leap delux (laker coated)	Rft	104.96	695.23	m	344.35	2,280.95	12.2 , 12.24	
12-70-c	Wood plastic composite door patio door leap premium grade (UV coated)	Rft	104.96	697.27	m	344.35	2,287.64	12.2 , 12.24	
12-70-d	Wood plastic composite door patio door with frame and beading deluxe grade (laker coated)	Sft	90.85	1,134.35	m2	977.50	12,205.55	12.2 , 12.24	
12-70-e	Wood plastic composite patio door with frame and beading premium grade(UV coated)	Sft	90.85	1,134.35	m2	977.50	12,205.55	12.2 , 12.24	
12-71-a	Wood plastic composite door Leaf only bukhara, flush or steppe type	Sft	90.85	1,472.10	m2	977.50	15,839.74	12.2 , 12.24	
12-71-b	Wood plastic composite door Leaf rock type single side	Sft	90.85	1,472.10	m2	977.50	15,839.74	12.2 , 12.24	
12-71-c	Wood plastic composite door rock type single type with frame and beading	Sft	90.85	1,472.10	m2	977.50	15,839.74	12.2 , 12.24	
12-72-a	Wood plastic composite door image type single side with frame and beading	Sft	46.31	997.38	m2	498.24	10,731.77	12.2 , 12.24	
12-72-b	Wood plastic composite door carving type single side with frame and beading	Sft	46.31	1,014.54	m2	498.24	10,916.42	12.2 , 12.24	
12-73-a	Providing and fixing First class deodar wood projected beading upto one sq.inch.(6.5sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.	100 Rft	2,572.50	5,019.33	m	84.40	164.68	12.14	
12-73-b	Providing and fixing First class teak wood projected beading upto one sq.inch.(6.5sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.	100 Rft	2,572.50	4,411.91	m	84.40	144.75	12.14	
12-73-c	Providing and fixing First class shisham wood projected beading upto one sq.inch.(6.5sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.	100 Rft	2,572.50	4,243.70	m	84.40	139.23	12.14	



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		Unit	Labour	Composite	Unit	Labour	Composite		
12-74-a	Composite windows deluxe grade (lacquer coated)	Sft	39.91	994.71	m2	429.44	10,703.13	12.2 , 12.24	
12-74-b	Composite windows premium grade (UV coated)	Sft	39.69	996.51	m2	427.06	10,722.49	12.2 , 12.24	
12-75-a	Wood Plastic Fly Screen Delux Grade	Sft	58.80	492.58	m2	632.69	5,300.21	12.2 , 12.24	
12-75-b	Wood Plastic Screen Premium Grade	Sft	58.80	546.36	m2	632.69	5,878.83	12.2 , 12.24	
12-75-c	Wood Plastic Screen Door Frame Only	Rft	88.20	587.71	m	289.37	1,928.18	12.2 , 12.24	
12-75-d	Wood Plastic Screen Beading Smaller	Rft	88.20	226.82	m	289.37	744.16	12.2 , 12.24	
12-75-e	Wood Plastic Screen Beading larger	Rft	88.20	292.55	m	289.37	959.79	12.2 , 12.24	
12-76-a	Providing and fixing of Plastic propylene Seating "Chairs" without legs . Complete in all respects.	Each	31.24	760.19	Each	31.24	760.19	12.31	
12-76-b	Providing and fixing Pre-Fabricated double wall with insulation building structure,including all types of doors, windows, roof and all other necessary/required fittings as required complete in all respects	100 Sft	10,030.05	75,964.02	m2	1,079.23	8,173.73	12.32	
12-76-c	Providing & Fixing of Glass Block Masonry Work having size 8"x8"x3" including white cement etc, Complete in all respects.	Sft	26.64	1,564.01	m2	286.69	16,828.76	12.3	
12-77	Making of Kitchen Cabinet 8'x3' make up from Veneer board (MEDIUM DENSITY) Laminated on both sides, and hanging on wall, i/c all hardwares	Cft	40.13	308.61	m3	1,417.21	10,898.41	12.25	
12-78-a	Kitchen Floor Cabinet as per approved Design/Specification..	Sft	275.63	857.97	m2	2,965.73	9,231.79	12.25	
12-78-b	Kitchen Wall Cabinet as per approved Design/Specification.	Sft	220.50	782.40	m2	2,372.58	8,418.63	12.25	
12-78-c	Providing and Fixing Sink Cabinet as per approved Design/Specification.	Each	3,307.50	12,450.68	Each	3,307.50	12,450.68	12.25	
12-79	Supply and fixing UPVC Flush doors with 60mm wide frame 2-2.5mm wall thickness inclusive of all accessories and galvanized iron support in any available Plain colour	Sft	223.44	973.90	m2	2,404.21	10,479.16	12.24	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 12 WOOD WORK, WOODEN ALUMINIUM JOINERY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-80	Supply and fixing UPVC Fancy doors with 60mm wide frame 2-2.5mm wall thickness inclusive of all accessories and galvanized iron support in any available Plain colour	Sft	267.54	1,176.93	m2	2,878.73	12,663.82	12.24	
12-81	Supply and fixing UPVC Fancy doors with 60mm wide frame 2-2.5mm wall thickness inclusive of all accessories and galvanized iron support in any available Plain colour	Sft	267.54	1,199.64	m2	2,878.73	12,908.13	12.24	
12-82	Supply and fixing UPVC Partially glazed doors with 60mm wide frame 2-2.5mm wall thickness inclusive of all accessories and galvanized iron support in any available Plain colour	Sft	261.66	1,128.04	m2	2,815.46	12,137.66	12.24	
12-83	Supply and fixing UPVC Full glazed doors with 60mm wide frame 2-2.5mm wall thickness inclusive of all accessories and galvanized iron support in any available Plain colour	Sft	261.66	1,071.87	m2	2,815.46	11,533.32	12.24	
12-84	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	Sft	223.44	952.39	m2	2,404.21	10,247.72	12.24	
12-85	Supply and fixing UPVC full glazed sliding windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in any available plain colour 1/c fly screen shutter without glass pan.	Sft	155.82	883.58	m2	1,676.62	9,507.27	12.24	
12-86	Supply and fixing UPVC full glazed sliding windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in any available plain colour without fly screen shutter and without glazing.	Sft	155.82	883.58	m2	1,676.62	9,507.27	12.24	
12-87	Supply and fixing UPVC full glazed openable windows with 60mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in any available plain colour without glass pans.	Sft	202.86	1,107.47	m2	2,182.77	11,916.43	12.24	
12-88	Supply and fixing UPVC full glazed Fixed windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in any available plain colour without glass pans.	Sft	126.42	805.18	m2	1,360.28	8,663.74	12.24	



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Chapter # : 12 WOOD WORK, WOODEN ALUMINIUM JOINERY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
12-89	Supply and fixing UPVC full glazed sliding windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in wooden texture I/c fly screen shutter without glass pan.	Sft	158.76	886.52	m2	1,708.26	9,538.90	12.12 , 12.24	
12-90	Supply and fixing UPVC full glazed sliding windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in wooden texture without fly screen shutter without glazing.	Sft	158.76	886.52	m2	1,708.26	9,538.90	12.12 , 12.24	
12-91	Supply and fixing UPVC full glazed openable windows with 60mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in wooden texture without glass panes	Sft	202.86	1,107.47	m2	2,182.77	11,916.43	12.12 , 12.24	
12-92	Supply and fixing UPVC full glazed fixed windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in wooden texture without glass panes	Sft	126.42	1,040.59	m2	1,360.28	11,196.80	12.12 , 12.24	
12-93	Supply and Fixing of UPVC Windows (color as approved) Premium quality Sliding window, including all necessary fittings and fly screen shutters complete.	Sft	161.70	890.65	m2	1,739.89	9,583.39	12.24	
12-94	Supply and fixing UPVC full glazed fixed lowers windows with 80mm wide frame 2-2.2mm wall thicknesses inclusive of all accessories and galvanized iron support in any available plain colours without glass panes	Sft	271.95	1,171.79	m2	2,926.18	12,608.41	12.12 , 12.24	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 13 PAINTING AND VARNISHING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
13-01	Oiling woodwork with boiled linseed oil	100 Sft	208.25	421.62	m2	22.41	45.37	13.7	
13-02-a-01	Painting old corrugated surfaces, pent roofing etc. with oil paint : First coat	100 Sft	727.65	1,198.00	m2	78.30	128.90	13.1.8 , 13.9	
13-02-a-02	Painting old corrugated surfaces, pent roofing etc. with oil paint : Each subsequent coat	100 Sft	551.25	916.12	m2	59.31	98.57	13.1.8 , 13.9	
13-02-b-01	Painting old surfaces : Sashes, fanlights, doors or windows : First coat	100 Sft	441.00	695.59	m2	47.45	74.85	13.1, 13.2 , 13.9	
13-02-b-02	Painting old surfaces : Sashes, fanlights, doors or windows : Each subsequent coat	100 Sft	374.85	576.70	m2	40.33	62.05	13.1, 13.2 , 13.9	
13-02-c-01	Painting old surfaces : Doors / windows any type First coat	100 Sft	727.65	1,198.00	m2	78.30	128.90	13.1, 13.2 , 13.9	
13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	100 Sft	551.25	916.12	m2	59.31	98.57	13.1, 13.2 , 13.9	
13-02-d-01	Painting old surfaces : Guard bars, gratings, railing & similar open work : First coat	100 Sft	441.00	695.59	m2	47.45	74.85	13.1, 13.2 , 13.9	
13-02-d-02	Painting old surfaces : Guard bars, gratings, railing & similar work : Each subsequent coat	100 Sft	374.85	576.70	m2	40.33	62.05	13.1, 13.2 , 13.9	
13-02-e-01	Painting old surfaces : Fillets, framing, skirting pipes, etc. less than 6" girth : First coat	100 Rft	374.85	610.80	m	12.30	20.04	13.1, 13.2 , 13.9	
13-02-e-02	Painting old surfaces : Fillets, framing, skirting pipes, etc. less than 6" girth : Each subseq. Coat	100 Rft	264.60	447.81	m	8.68	14.69	13.1, 13.2 , 13.9	
13-02-f-01	Painting old surfaces : Small detached articles Not exceeding 1 sft : First coat	100 No.	1,653.75	2,555.61	100 No.	1,653.75	2,555.61	13.1, 13.2 , 13.9	
13-02-f-02	Painting old surfaces : Small detached articles Not exceeding 1 sft : Each subsequent coat	100 No.	1,286.25	1,862.08	100 No.	1,286.25	1,862.08	13.1, 13.2 , 13.9	
13-02-g-01	Painting old surfaces : Small detached articles 1sft-3sft area : First coat	100 No.	3,307.50	5,047.74	100 No.	3,307.50	5,047.74	13.1, 13.2 , 13.9	
13-02-g-02	Painting old surfaces : Small detached articles 1sft-3sft area : Each subsequent coat	100 No.	1,837.50	2,858.56	100 No.	1,837.50	2,858.56	13.1, 13.2 , 13.9	
13-03-a-01	Prepare & Paint new corrugated surface, pent roofing etc : Priming coat	100 Sft	823.20	1,509.31	m2	88.58	162.40	13.1.8 , 13.9	
13-03-a-02	Prepare & Paint new corrugated surface, pent roofing etc : Each subsequent coat of paint	100 Sft	426.30	1,006.92	m2	45.87	108.35	13.1.8 , 13.9	
13-03-b-01	Prepare & Paint new surface, sashes, doors & windows etc : Priming coat	100 Sft	492.45	910.06	m2	52.99	97.92	13.1, 13.2 , 13.9	
13-03-b-02	Prepare & Paint new surface, sashes, doors & windows etc : Each subsequent coat of paint	100 Sft	264.60	605.50	m2	28.47	65.15	13.1, 13.2 , 13.9	
13-03-c-01	Prepare & Paint new surface, doors & windows Priming coat	100 Sft	823.20	1,509.31	m2	88.58	162.40	13.1, 13.2 , 13.9	



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MARKET RATE SYSTEM - 2020

Chapter # : 13 PAINTING AND VARNISHING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
13-03-c-02	Prepare & Paint new surface, doors & windows Each subsequent coat of paint	100 Sft	426.30	1,006.92	m2	45.87	108.35	13.1, 13.2 , 13.9	
13-03-d-01	Prepare & Paint new surfaces of guard bars, railing & similar open work : Priming coat	100 Sft	492.45	886.76	m2	52.99	95.42	13.1, 13.2 , 13.9	
13-03-d-02	Prepare & Paint new surfaces of guard bars, railing & similar work : Each subsequent coat	100 Sft	264.60	582.19	m2	28.47	62.64	13.1, 13.2 , 13.9	
13-03-e-01	Prepare & Paint new surface of fillets, framing, skirtings etc : Priming coat	100 Rft	396.90	717.60	m	13.02	23.54	13.1, 13.2 , 13.9	
13-03-e-02	Prepare & Paint new surface of fillets, framing, skirtings etc : Each subsequent coat of paint	100 Rft	198.45	456.82	m	6.51	14.99	13.1, 13.2 , 13.9	
13-03-f-01	Prepare & Paint new surface of small detached articles upto 1 sft : Priming coat	100 No.	1,653.75	3,011.77	100 No.	1,653.75	3,011.77	13.1, 13.2 , 13.9	
13-03-f-02	Prepare & Paint new surface of small detached articles upto 1 sft : Each subsequent coat	100 No.	830.55	1,924.87	100 No.	830.55	1,924.86	13.1, 13.2 , 13.9	
13-03-g-01	Prepare & paint surf. of small detached articles 1sft - 3sft area : Priming coat	100 No.	3,307.50	5,935.41	100 No.	3,307.50	5,935.41	13.1, 13.2 , 13.9	
13-03-g-02	Prepare & paint surf. of small detached articles 1 sft - 3 sft area : Subsequent coat of paint	100 No.	1,470.00	3,426.67	100 No.	1,470.00	3,426.67	13.1, 13.2 , 13.9	
13-03-h	Extra for knotting & stopping to prime coat on new surface of wood	100 Sft	88.20	212.32	m2	9.49	22.85	13.1.6	
13-03-i	Providing and applying 3 coats of approved type of Plastic emulsion paint to Plastic surface as per manufacture specification.	100 Sft	2,205.00	4,471.90	m2	237.26	481.18	11.7	
13-04-a	Khanki mixture, applied hot to barrage gates First coat	2000 Sft	11,025.00	21,261.52	m2	59.31	114.39	13.1	
13-04-b	Khanki mixture, applied hot to barrage gates Second coat	2000 Sft	8,379.00	15,350.99	m2	45.08	82.59	13.1	
13-05-a	French polishing complete: On new work	100 Sft	7,350.00	8,721.08	m2	790.86	938.39	13.5	
13-05-b	French polishing complete: On old work	100 Sft	3,675.00	4,372.87	m2	395.43	470.52	13.5	
13-06	Applying lacquer polish to wood work of any type	100 Sft	5,145.00	9,461.71	m2	553.60	1,018.08	13.1	
13-07-a	Varnishing wood work, including cleaning & preparing surface : First coat	100 Sft	441.00	1,093.79	m2	47.45	117.69	13.4	
13-07-b	Varnishing wood work, including cleaning & preparing surface : Second coat	100 Sft	220.50	712.64	m2	23.73	76.68	13.4	
13-07-c	Varnishing wood work, including cleaning & preparing surface : Third coat	100 Sft	220.50	619.63	m2	23.73	66.67	13.4	
13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	100 Sft	389.55	1,954.16	m2	41.92	210.27	13.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
13-08-b	Bitumen coating to plastered / cement concrete surface : 14 lbs. per 100 sft.	100 Sft	1,117.20	1,946.93	m2	120.21	209.49	13.1	
13-08-c	Bitumen coating to plastered / cement concrete surface : 10 lbs. per 100 sft.	100 Sft	782.04	1,608.57	m2	84.15	173.08	13.1	
13-09	Writing letters or figures	Each	13.23	14.87	Each	13.23	14.87	13.1.8 , 13.13	
13-10-a	Coaltar paint applied hot: First coat	100 Sft	343.61	2,102.51	m2	36.97	226.23	13.8	
13-10-b	Coaltar paint applied hot: Second coat	100 Sft	208.25	1,067.83	m2	22.41	114.90	13.8	
13-11-a	Solignum paint applied hot: First coat	100 Sft	485.10	1,076.36	m2	52.20	115.82	13.8	
13-11-b	Solignum paint applied hot: Second coat	100 Sft	737.94	1,705.58	m2	79.40	183.52	13.8	
13-12-a	Creosote paint applied hot: First coat	100 Sft	485.10	993.72	m2	52.20	106.92	13.8	
13-12-b	Creosote paint applied hot: Second coat	100 Sft	367.50	784.42	m2	39.54	84.40	13.8	
13-13	Painting distance marks with white ground and black letterin on both faces	Each	66.15	182.71	Each	66.15	182.71	13.1.8 , 13.13	
13-14	Painting two feet wide gauges, reading to 1/10th of a foot.	100 Rft	2,205.00	2,561.46	m	72.34	84.04	13.1.7	
13-15	Painting sounding rods and other guages, reading to 1/10th of a foot	100 Rft	8.82	189.78	m	0.29	6.23	13.9	
13-16	Painting levelling staves	100 Rft	21,960.33	22,796.03	m	720.48	747.90	13.1.8 , 13.13	
13-17-a	Painting & lettering (2 coats) on both sides with syn. enamel paint : Mile/km posts	Each	551.25	714.51	Each	551.25	714.51	13.1.8 , 13.13	The ratio in the rate of 1st coat to 2nd coat is 60 % to 40 % in the labour as well as composite rate
13-17-b	Painting & lettering (2 coats) on both sides with syn. enamel paint : Furlong or 1/10 km posts	Each	69.02	89.45	Each	69.02	89.45	13.1.8 , 13.13	
13-17-c	Painting & lettering (2 coats) on both sides with syn. enamel paint : Sign posts	Each	727.65	890.91	Each	727.65	890.91	13.1.8 , 13.13	
13-18	Preparing surface & applying Texture Painting complete	100 Sft	933.45	1,551.78	m2	100.44	166.97	13.1.8 , 13.13	
13-19	Paint on Concrete work (Kerb stone, Barrier)	Sft	61.30	72.44	m2	659.58	779.47	13.12	
13-20	Painting to clay flower posts/vase of various sizes of required colour	Each	46.01	297.25	Each	46.01	297.25	13.1.5	
13-21	Painting letters with shade	letter	35.28	36.39	letter	35.28	36.39	13.1.8 , 13.13	
13-22-a	Preparing surface and painting with emulsion paint : First coat	100 Sft	423.36	997.23	m2	45.55	107.30	11.6	
13-22-b	Preparing surface and painting with emulsion paint : 2nd & each subsequent coat.	100 Sft	323.40	591.26	m2	34.80	63.62	11.6 , 13.1.5	



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Chapter # : 13 PAINTING AND VARNISHING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
13-23	Pavement Marking using Reflective Chlorinated Rubber Paint with Glass Beads as per specification	100 Sft	1,470.00	2,009.56	m2	158.17	216.23	16.8.8	The height will be taken from the floor, road or ground underneath, as the case may be, on side towards which the work is to be done.
13-24	Extra labour for painting, varnishing etc from 20' height & above, for every additional 10'	100 Sft/coat	94.08	94.08	m2	10.12	10.12		
13-25-a	Preparing surface & painting with snowcem / weathershield paint : First coat	100 Sft/coat	1,102.50	1,974.80	m2	118.63	212.49	13.1.5 , 13.14	
13-25-b	Preparing surface & painting with snowcem / weathershield paint : 2nd & subsequent coats	100 Sft/coat	551.25	976.61	m2	59.31	105.08	13.1.5 , 13.14	



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Chapter # : 14 PLUMBING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-01-a	Providing and Fixing glazed earthen ware WC European type of approved size excluding cost of seat & cover, complete in all respects: White	Each	627.81	9,292.46	Each	627.81	9,292.46	14.4, 14.5, 14.6, 14.7.1, 14.8	The rates of saintary ware are for best quality
14-01-b	Providing and Fixing glazed earthen ware WC European type of approved make/size excluding cost of seat & cover, complete in all respects: Coloured	Each	627.81	9,897.13	Each	627.81	9,897.13	14.4, 14.6, 14.7.1, 14.8	
14-02-a	Providing and Fixing Double Seat & Cover only : Bakelite	Each	14.70	683.90	Each	14.70	683.90	14.4, 14.6, 14.7.2, 14.8	
14-02-b	Providing and Fixing double seat & cover only : Plastic	Each	14.70	906.17	Each	14.70	906.17	14.4, 14.6, 14.7.2, 14.8	
14-03-a	Providing and fitting glazed earthenware water closet (WC), squatter type (orisa pattern) combined with foot rest. complete in all respects : White	Each	502.86	2,154.59	Each	502.86	2,154.59	14.4, 14.6, 14.7.1, 14.8	
14-03-b	Providing and Fixing glazed earthen ware WC squatting type with built-in foot rests complete in all respects : Coloured	Each	502.86	2,262.14	Each	502.86	2,262.14	14.4, 14.6, 14.7.1, 14.8	
14-04	Providing and Fixing white glazed earthenware WC squatting type with separate foot rests, complete in all respects	Each	597.19	1,974.07	Each	597.19	1,974.07	14.4, 14.6, 14.7.1, 14.8	
14-05-a-01	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: White with pedestal (Best Quality)	Each	627.81	8,927.09	Each	627.81	8,927.09	14.4, 14.6, 14.7.4, 14.8	
14-05-a-02	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: Colour with pedestal (Best Quality)	Each	627.81	8,593.80	Each	627.81	8,593.80	14.4, 14.6, 14.7.4, 14.7.5, 14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-05-a-03	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: White without pedestal (Best Quality)	Each	627.81	6,350.67	Each	627.81	6,350.67	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-a-04	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: Coloured without pedestal. (Best Quality)	Each	753.38	6,237.23	Each	753.38	6,237.23	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-a-05	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: White with pedestal (Normal Quality)	Each	627.81	4,008.47	Each	627.81	4,008.47	14.4 , 14.6, 14.7.4 , 14.8	
14-05-a-06	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: Colour with pedestal (Normal Quality)	Each	627.81	4,127.97	Each	627.81	4,127.97	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-a-07	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: White without pedestal (Normal Quality)	Each	627.81	3,410.97	Each	627.81	3,410.97	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-a-08	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: Coloured without pedestal. (Normal Quality)	Each	753.38	3,417.03	Each	753.38	3,417.03	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-b-01	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 63x45 cm (25"x18"), including bracket set, waste coupling, complete in all respects: White with pedestal- (Normal Quality)	Each	753.38	5,319.47	Each	753.38	5,319.47	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-b-02	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 63x45 cm (25"x18"), including bracket set, waste coupling, complete in all respects: Coloured with pedestal - (Best Quality)	Each	753.38	9,944.72	Each	753.38	9,944.72	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	



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Chapter # : 14 PLUMBING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-05-b-03	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 63x45 cm (25"x18"), including bracket set, waste coupling, complete in all respects: White without pedestal. (Normal Quality)	Each	753.38	4,928.71	Each	753.38	4,928.71	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-05-b-04	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 63x45 cm (25"x18"), including bracket set, waste coupling, complete in all respects: Coloured without pedestal. (Best Quality)	Each	753.38	6,117.73	Each	753.38	6,117.73	14.4 , 14.6, 14.7.4, 14.7.5 , 14.8	
14-06-a	Providing and Fixing stainless steel sink with drain board size (120 x 60 cm) 48"x24", including set of brackets, waste pipe etc - (Best Quality)	Each	882.00	6,328.21	Each	882.00	6,328.21	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-06-b	Providing and fixing stainless steel sink with drain board size (90x45 cm) 36"x18" including set of brackets, waste pipe etc (Best Quality)	Each	882.00	5,431.36	Each	882.00	5,431.37	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-06-c	Providing and fixing stainless steel sink with drain board size (120x45 cm) 48"x18" including set of brackets, waste pipe etc (Best Quality)	Each	882.00	5,973.90	Each	882.00	5,973.90	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-06-d	Providing and fixing stainless steel sink with drain board size(152x 50 cm) 60"x20" including set of brackets, waste pipe etc (Best Quality)	Each	882.00	9,958.03	Each	882.00	9,958.03	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-06-e	Providing and fixing stainless steel sink with drain board size (182x 50 cm) 20"x72" including set of brackets, waste pipe etc (Best Quality)	Each	882.00	13,500.00	Each	882.00	13,500.00	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-07	Providing and Fixing terrazzo concrete sink (60x 45 cm) 24"x18", with drain board of mosaic, including bracket set, waste pipe and waste coupling.	Each	1,139.25	8,709.87	Each	1,139.25	8,709.87	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-08-a	Providing and Fixing glazed earthen ware sink (60x 45 cm) 24"x15" including set of bracket set, waste pipe and waste coupling.	Each	882.00	3,330.35	Each	882.00	3,330.35	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-08-b	Providing and Fixing glazed earthen ware sink 25"x18" including set of bracket set, waste pipe and waste coupling.	Each	882.00	3,246.70	Each	882.00	3,246.70	14.4 , 14.6, 14.7.16, 14.7.5 , 14.8	
14-09	Providing and Fixing white glazed earthenware flat back urinal complete in all respects	Each	562.73	2,585.87	Each	562.73	2,585.87	14.4 , 14.6, 14.7.15 , 14.8	
14-10-a	Providing and Fixing glazed earthen ware low down flushing cistern 3 gallons (13.63 Liters) capacity including bracket set, copper connection, etc. complete in all respects: White	Each	1,004.50	3,179.28	Each	1,004.50	3,179.28	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-10-b	Providing and Fixing glazed earthen ware low down flushing cistern 3 gallons (13.63 Liters) capacity including bracket set, copper connection, etc. complete in all respects: Coloured	Each	1,004.50	3,875.37	Each	1,004.50	3,875.37	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-10-c	Providing and Fixing Plastic low down flushing cistern 3 gallons (13.63 Liters) capacity including bracket set, copper connection, etc. complete in all respects: White (Best Quality)	Each	1,004.50	4,389.22	Each	1,004.50	4,389.22	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-11	Providing and Fixing white enamelled cast iron (CI) low down flushing cistern 3 gallons (13.63 liters) capacity including bracket set, copper connection etc. complete in all respects.	Each	1,004.50	4,628.22	Each	1,004.50	4,628.22	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-12-a	Providing and Fixing cast iron (CI) high level flushing cistern 3 gallons (13.63 liters) capacity including bracket set, copper connection etc. complete in all respects.	Each	1,004.50	3,725.51	Each	1,004.50	3,725.51	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-12-b	Providing and Fixing cast iron (CI) high level flushing cistern 1 gallons (4.55 liters) capacity including bracket set, copper connection etc. complete in all respects.	Each	1,004.50	2,900.97	Each	1,004.50	2,900.97	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-13	Providing and fixing choricum plated soap dish complete.	Each	102.90	815.72	Each	102.90	815.72	14.4 , 14.6, 14.7.6 , 14.8	
14-14-a	Providing and Fixing glazed earthenware soap dish complete: White	Each	102.90	503.82	Each	102.90	503.82	14.4 , 14.6, 14.7.6 , 14.8	
14-14-b	Providing and fixing glazed earthenware soap dish complete: Coloured	Each	102.90	514.58	Each	102.90	514.58	14.4 , 14.6, 14.7.6 , 14.8	
14-15	Providing and Fixing CP (chromium plated) toilet paper holder complete	Each	102.90	789.67	Each	102.90	789.67	14.4 , 14.6, 14.7.7 , 14.8	
14-16-a	Providing and Fixing chromium plated (CP) towel rail complete: 60 cm (24") long and 2 cm (3/4") dia	Each	102.90	1,008.35	Each	102.90	1,008.35	14.4 , 14.6, 14.7.8 , 14.8	
14-16-b	Providing and fixing chromium plated (CP) towel rail complete: 50 cm (20") long and 1.5 cm (1/2") dia	Each	102.90	496.96	Each	102.90	496.96	14.4 , 14.6, 14.7.8 , 14.8	
14-17-a	Providing and fixing best quality looking glass 5 mm thick neatly fitted on masonry wall etc. as per instruction of Engineer In-charge complete. Mirror 60 x 45 cm (24"x18") size	Each	313.91	2,472.67	Each	313.91	2,472.67	14.4 , 14.6, 14.7.9 , 14.8	
14-17-b	Providing and fixing best quality looking glass 5 mm thick neatly fitted with bracket as per instruction of Engineer In-charge complete	Sft	62.78	787.55	m2	675.53	8,474.03	14.4 , 14.6, 14.7.9 , 14.8	
14-17-c	Providing and fixing 30" x 24" (750mm x 600mm) looking mirror of Imported glass complete with plastic frame of standared size & c.p screws	Each	251.13	3,843.89	Each	251.13	3,843.89	14.4 , 14.6, 14.7.9 , 14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-17-d	Providing and fixing 22" x 16" looking mirror of Imported glass complete with Aluminum frame of standard size & c.p screws.	Each	251.13	2,408.10	Each	251.13	2,408.10	14.4 , 14.6, 14.7.9 , 14.8	
14-18-a	Providing and fixing best quality 5mm glass shelf (60 x 13) cm 24"x5" complete: With chromium plated brackets & railing	Each	117.60	1,164.59	Each	117.60	1,164.59	14.4 , 14.6, 14.7.11 , 14.8	
14-18-b	Providing and fixing best quality 5mm glass shelf (60 x 13) cm 24"x5" complete: Without chromium plated brackets & railing	Each	44.10	652.76	Each	44.10	652.76	14.4 , 14.6, 14.7.11 , 14.8	
14-19-a	Providing and fixing glazed earthenware shelf (60x13 cm) 24"x5" without chromium plated (CP) brackets & railing : White	Each	117.60	905.51	Each	117.60	905.51	14.4 , 14.6, 14.7.11 , 14.8	
14-19-b	Providing and fixing glazed earthenware shelf (60x13 cm) 24"x5" with chromium plated (CP) brackets & railing : Coloured	Each	117.60	1,113.44	Each	117.60	1,113.44	14.4 , 14.6, 14.7.11 , 14.8	
14-20-a	Providing and fixing plastic soap dish complete.	Each	102.90	457.22	Each	102.90	457.22	14.4 , 14.6, 14.7.6 , 14.8	
14-20-b	Providing and fixing superior quality plastic toilet paper holder.	Each	102.90	458.41	Each	102.90	458.41	14.4 , 14.6, 14.7.7 , 14.8	
14-20-c	Providing and fixing superior quality plastic towel rail.	Each	102.90	467.97	Each	102.90	467.97	14.4 , 14.6, 14.7.8 , 14.8	
14-20-d	Providing and Fixing superior quality plastic shelf 60 x 13 cm (24"x5") with bracket	Each	102.90	845.59	Each	102.90	845.59	14.4 , 14.6, 14.7.9 , 14.8	
14-21-a	Providing and fixing chromium plated (CP) pillar-cock, heavy duty of approved quality : 2 cm (3/4")	Each	102.90	1,539.29	Each	102.90	1,539.29	14.4 , 14.6, 14.7.18 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-21-b	Providing and fixing chromium plated (CP) pillar-cock, heavy duty of approved quality : 1.5 cm (1/2")	Each	102.90	1,221.42	Each	102.90	1,221.42	14.4 , 14.6, 14.7.18 , 14.8	
14-21-c	Providing and fixing chromium plated (CP) double bib cock, heavy duty of approved quality : 1.5 cm (1/2")	Each	102.90	915.50	Each	102.90	915.50	14.4 , 14.6, 14.7.18 , 14.8	
14-22-a	Providing and fixing chromium plated CP stop-cock, heavy type : 2 cm (3/4")	Each	102.90	898.77	Each	102.90	898.77	14.4 , 14.6, 14.7.18 , 14.8	
14-22-b	Providing and fixing chromium plated CP stop-cock, heavy type : 1.5 cm (1/2")	Each	102.90	654.99	Each	102.90	654.99	14.4 , 14.6, 14.7.18 , 14.8	
14-23	Providing and fixing underground stop-cock 1.5 cm (1/2") with chromium plated (CP) cover of approved quality.	Each	176.40	728.49	Each	176.40	728.49	14.4 , 14.6, 14.7.18 , 14.8	
14-24-a	Providing and fixing chromium plated (CP) bib-cock heavy duty of approved quality : 2 cm 3/4"	Each	102.90	1,539.29	Each	102.90	1,539.29	14.4 , 14.6, 14.7.18 , 14.8	
14-24-b	Providing and fixing chromium plated (CP) bib-cock heavy duty of approved quality : 1.5 cm 1/2"	Each	102.90	1,221.42	Each	102.90	1,221.42	14.4 , 14.6, 14.7.18 , 14.8	
14-25-a	Providing and fixing chromium plated (CP) tee stop cock 1.5 cm (1/2") of approved quality	Each	102.90	921.24	Each	102.90	921.24	14.4 , 14.6, 14.7.18 , 14.8	
14-25-b	Providing and fixing chromium plated (CP) tee stop cock 2 cm (3/4") of approved quality	Each	102.90	1,057.70	Each	102.90	1,057.70	14.4 , 14.6, 14.7.18 , 14.8	
14-26-a	Providing and fixing chromium plated (CP) shower rose complete : Size 1/2"x4" (15 mm x 100 mm) (Best Quality)	Each	102.90	1,481.93	Each	102.90	1,481.93	14.4 , 14.6, 14.7.14 , 14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-26-b	Providing and fixing chorimum plated (CP) shower rose : Size 3/4"x6" (20mm x 150 mm) (Best Quality)	Each	102.90	2,645.86	Each	102.90	2,645.86	14.4 , 14.6, 14.7.14 , 14.8	
14-26-c	Providing and fixing chorimum plated (CP) shower rose : Size 3/4"x6" (20mm x 150 mm) (Normal Quality)	Each	102.90	670.53	Each	102.90	670.53	14.4 , 14.6, 14.7.14 , 14.8	
14-27-a	Providing and fixing chorimum plated (CP) mixing valve for wash hand basin (WHB), sink or shower of approved (Best) quality	Each	102.90	2,672.15	Each	102.90	2,672.15	14.4 , 14.6, 14.7.13 , 14.8	
14-27-b	Providing and fixing chorimum plated (CP) mixing valve for wash hand basin (WHB), sink or shower of approved (Normal) quality	Each	102.90	1,620.55	Each	102.90	1,620.55	14.4 , 14.6, 14.7.13 , 14.8	
14-28-a	Providing and fixing gun metal peet / gate valve (screwed) 32 mm (1-1/4") dia of approved quality.	Each	102.90	1,857.16	Each	102.90	1,857.16	14.4 , 14.6, 14.7.21 , 14.8	
14-28-b	Providing and fixing gun metal peet / gate valve (screwed) 40 mm 1-1/2" dia of approved quality.	Each	102.90	2,110.50	Each	102.90	2,110.50	14.4 , 14.6, 14.7.21 , 14.8	
14-28-c	Providing and fixing gun metal peet / gate valve (screwed) 50 mm (1-3/4") dia of approved quality.	Each	117.60	3,130.49	Each	117.60	3,130.49	14.4 , 14.6, 14.7.21 , 14.8	
14-28-d	Providing and fixing gun metal peet / gate valve (screwed) 50 mm & 63 mm (2") dia of approved quality.	Each	102.90	7,157.76	Each	102.90	7,157.76	14.4 , 14.6, 14.7.21 , 14.8	
14-28-e	Providing and Fixing gun metal peet / gate valve (screwed) 75 mm (3") dia of approved quality	Each	117.60	7,338.75	Each	117.60	7,338.75	14.4 , 14.6, 14.7.21 , 14.8	
14-28-f	Providing and fixing gun metal peet / gate valve (screwed) 20 mm (3/4") dia of approved quality.	Each	102.90	1,331.36	Each	102.90	1,331.36	14.4 , 14.6, 14.7.21 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-28-g	Providing and fixing gun metal peet / gate valve (screwed) 25 mm (1") dia of approved quality.	Each	102.90	1,548.85	Each	102.90	1,548.85	14.4 , 14.6, 14.7.21 , 14.8	
14-29-a	Providing and fixing chorimum plated (CP) or brass oxidized swan-neck cock 12 mm (1/2") dia of approved quality: Single way	Each	102.90	1,023.05	Each	102.90	1,023.05	14.4 , 14.6, 14.7.18 , 14.8	
14-29-b	Providing and fixing chorimum plated (CP) or brass oxidized swan-neck cock 1/2" dia : Double way	Each	117.60	2,395.27	Each	117.60	2,395.27	14.4 , 14.6, 14.7.18 , 14.8	
14-29-c	Providing and Fixing chorimum plated (CP) or brass oxidized swan-neck cock 1/2" dia : Three way	Each	147.00	454.11	Each	147.00	454.11	14.4 , 14.6, 14.7.18 , 14.8	
14-30-a	Providing and fixing union brass (15 mm) 1/2" dia of approved quality.	Each	102.90	484.11	Each	102.90	484.11	14.4 , 14.6, 14.7.18 , 14.8	
14-30-b	Providing and fixing union brass 20mm (3/4") dia of approved quality.	Each	102.90	592.85	Each	102.90	592.85	14.4 , 14.6, 14.7.18 , 14.8	
14-30-c	Providing and fixing union brass 2-1/2" dia of approved quality.	Each	48.51	1,496.85	Each	48.51	1,496.85	14.4 , 14.6, 14.7.18 , 14.8	
14-30-d	Providing and fixing union brass 3" dia of approved quality.	Each	51.45	1,974.20	Each	51.45	1,974.20	14.4 , 14.6, 14.7.18 , 14.8	
14-31-a	Providing and Fixing cast iron (CI) floor trap of approved quality including CI grating & concrete chamber all round : 4"x2" (100mm x 50 mm)	Each	220.50	767.64	Each	220.50	767.64	14.4 , 14.6, 14.7.19 , 14.8	
14-31-b	Providing and Fixing cast iron (CI) floor trap approved quality including CI grating & concrete chamber all round : 4"x3" (100 mm x 75 mm)	Each	220.50	940.92	Each	220.50	940.92	14.4 , 14.6, 14.7.19 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-32-a	Providing and Fixing 'P' trap of approved quality including GI grating & PCC chamber 4" (100 mm) of cast iron (Best Quality)	Each	198.45	1,563.60	Each	198.45	1,563.60	14.4 , 14.6, 14.7.19 , 14.8	
14-32-b	Providing and Fixing 'P' trap of approved quality including GI grating & PCC chamber 4" (100 mm) glazed	Each	198.45	428.35	Each	198.45	428.35	14.4 , 14.6, 14.7.19 , 14.8	
14-33	Providing and Fixing 4" gully trap of approved quality including cement concrete cost of PVC grating 6" x6" (150 x 150 mm) and masonry chamber 12"x12" (300 x 300 mm).	Each	330.75	1,797.24	Each	330.75	1,797.24	14.4 , 14.6, 14.7.20 , 14.8	
14-34-a-01	Providing and fitting cast iron (CI) soil pipe including all specials complete in all respects with : Lead & yarn caulked joint : 4" dia.	Rft	147.00	984.81	m	482.28	3,231.01	14.4 , 14.6 , 14.8	
14-34-a-02	Providing and fitting cast iron (CI) soil pipe including all specials, complete in all respects with : Lead & yarn caulked joint : 2" dia.	Rft	110.25	683.18	m	361.71	2,241.40	14.4 , 14.6 , 14.8	
14-34-b-01	Providing and fitting cast iron (CI) soil pipe including all specials complete in all respects with : Cement caulked joint : 4" dia	Rft	66.15	732.46	m	217.03	2,403.08	14.4 , 14.6 , 14.8	
14-34-b-02	Providing and fitting cast iron (CI) soil pipe including all specials complete in all respects with : Cement caulked joint : 2" dia	Rft	33.08	430.62	m	108.51	1,412.78	14.4 , 14.6 , 14.8	
14-35-a	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 3/4" i/d	Rft	16.76	48.57	m	54.98	159.36	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-35-b	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1" i/d	Rft	16.76	60.60	m	54.98	198.83	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-35-c	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1-1/4" i/d	Rft	16.76	91.75	m	54.98	301.01	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-35-d	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1-1/2" i/d	Rft	16.76	131.67	m	54.98	431.98	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-35-e	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 2" i/d	Rft	16.76	217.53	m	54.98	713.69	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-35-f	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 2-1/2" i/d	Rft	16.76	326.55	m	54.98	1,071.36	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-35-g	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications:	Rft	16.76	40.62	m	54.98	133.27	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-36-a	except excavation 1/2" i/d Providing and Fixing cast iron (CI) specials, such as tees, bends, collar cross etc: Lead caulked joint	Kg	88.20	334.68	Kg	88.20	334.68	14.4 , 14.6 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-36-b	Providing and Fixing cast iron (CI) specials, such as tees, bends, collar cross etc: Cement caulked joint	Kg	275.63	387.50	Kg	275.63	387.50	14.4 , 14.6 , 14.8	
14-37-a	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavy Type) of approved quality complete: 12" (300 mm) dia	Each	183.75	1,894.99	Each	183.75	1,894.99	14.4 , 14.6, 14.7.22 , 14.8	
14-37-b	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavy Type) of approved quality complete: 18" (455 mm) dia	Each	124.95	3,197.29	Each	124.95	3,197.29	14.4 , 14.6, 14.7.22 , 14.8	
14-37-c	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavy Type) of approved quality complete: 24" (610 mm) dia	Each	124.95	1,618.70	Each	124.95	1,618.70	14.4 , 14.6, 14.7.22 , 14.8	
14-37-d	Providing & Fixing Steel manhole cover with frame 18"x18" full heavy duty	Each	551.25	4,286.82	Each	551.25	4,286.82	14.4 , 14.6, 14.7.22 , 14.8	
14-37-e	Supply and Fixing Plastic manhole cover with frame etc (Heavy Type) of approved quality complete: 12" (300 mm) dia	Each	183.75	504.01	Each	183.75	504.01	14.4 , 14.6, 14.7.22 , 14.8	
14-37-f	Supply and Fixing Plastic manhole cover with frame etc (Heavy Type) of approved quality complete: 18" (455 mm) dia	Each	124.95	961.45	Each	124.95	961.45	14.4 , 14.6, 14.7.22 , 14.8	
14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavy Type) of approved quality complete: 24" (610 mm) dia	Each	124.95	1,678.45	Each	124.95	1,678.45	14.4 , 14.6, 14.7.22 , 14.8	
14-38	Providing laying, cutting, jointing and testing of R.C.C pipe 4" (100mm) dia in cement concrete, laid in trenches as per specification complete in all respects.and Fixing RCC pipe 4" dia, including laying & jointing in trenches	RFT	181.54	473.45	m	595.62	1,553.32	14.4 , 14.6 , 14.8	
14-39-a	Providing and Fixing brass stop/bib cock of approved quality: 1/2" (13 mm) dia	Each	102.90	585.44	Each	102.90	585.44	14.4 , 14.6,14.7. 18 , 14.8	



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Chapter # : 14 PLUMBING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-39-b	Providing and Fixing brass stop/bib cock of approved quality: 3/4" (20 mm) dia	Each	102.90	511.59	Each	102.90	511.59	14.4 , 14.6,14.7. 18 , 14.8	
14-40	Hoisting & Placing in position precast RC latrine seat	Each	551.25	551.25	Each	551.25	551.25	14.4, 14.8	
14-41-a	Providing and Fixing chromium plated (CP) waste coupling of approved quality : 1.25" (32 mm)	Each	117.60	547.80	Each	117.60	547.80	14.4 , 14.6, 14.8	
14-41-b	Providing and fixing chromium plated CP waste coupling of approved quality : 1.5" (40 mm)	Each	117.60	1,133.35	Each	117.60	1,133.35	14.4 , 14.6, 14.8	
14-42-a	Providing and fixing rubber plug with chain of approved quality: 1.25" (32mm)	Each	14.70	73.12	Each	14.70	73.12	14.4 , 14.6, 14.7.11	
14-42-b	Providing and Fixing rubber plug with chain of approved quality : 1.5" (40 mm)	Each	14.70	97.69	Each	14.70	97.69	14.4 , 14.6, 14.7.11	
14-43-a	Providing and fixing waste pipe of PVC of approved quality : 1.25" (32 mm)	Each	102.90	197.30	Each	102.90	197.30	14.4 , 14.6, 14.7.5 ,14.8	
14-43-b	Providing and fixing waste pipe of PVC of approved quality : 1.5" (40 mm)	Each	102.90	218.82	Each	102.90	218.82	14.4 , 14.6, 14.7.5 ,14.8	
14-44-a	Providing and fixing flushing bend of PVC of approved quality: 1.25" (32 mm)	Each	73.50	140.66	Each	73.50	140.66	14.4 , 14.6, 14.7.5 ,14.8	
14-44-b	Providing and fixing flushing bend of PVC of approved quality: 1.5" (40 mm)	Each	73.50	149.18	Each	73.50	149.18	14.4 , 14.6, 14.7.5 ,14.8	
14-45-a	Providing and fixing chromium plated (CP) bottle trough / trap of approved quality with waste pipe complete : 1.25" (32 mm) i/d	Each	117.60	2,110.86	Each	117.60	2,110.86	14.4 , 14.6, 14.7.5.1 ,14.8	
14-45-b	Providing and Fixing chromium plated CP bottle trough/trap of approved quality with waste pipe : 1.5" (40 mm) i/d	Each	117.60	2,420.36	Each	117.60	2,420.36	14.4 , 14.6, 14.7.5.1 ,14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-46-a	Providing and Fixing angle iron brackets for : Wash hand basin (WHB) and cistern	Each	117.60	249.05	Each	117.60	249.05	14.4 , 14.6, 14.7.4.12 ,14.8	
14-46-b	Providing and Fixing angle iron brackets for :Sink	Each	117.60	308.80	Each	117.60	308.80	14.4 , 14.6, 14.7.4.12 ,14.8	
14-47-a	Providing and Fixing 1/2" (12 mm) dia connection including check nuts etc of approved quality: Plastic rubber connection	Each	44.10	256.33	Each	44.10	256.33	14.4 , 14.6, 14.8.3.4 ,14.8	
14-47-b	Providing and Fixing 1/2" (12 mm) dia connection including check nuts etc of approved quality: Copper connection	Each	44.10	430.56	Each	44.10	430.56	14.4 , 14.6, 14.8.3.4 ,14.8	
14-47-c	Providing and Fixing 1/2" dia connection including check nuts etc chorimum plated (CP) connection	Each	44.10	462.35	Each	44.10	462.35	14.4 , 14.6, 14.8.3.4 ,14.8	
14-48-a	Providing and Fixing brass ball float valve of approved quality: 1/2" (13 mm) dia	Each	102.90	430.03	Each	102.90	430.03	14.4 , 14.6, 14.7.21 ,14.8	
14-48-b	Providing and Fixing brass ball float valve of approved quality: 3/4" dia	Each	102.90	468.87	Each	102.90	468.87	14.4 , 14.6, 14.7.21 ,14.8	
14-48-c	Providing and Fixing brass ball float valve of approved quality: 1" (25 mm) dia	Each	102.90	746.53	Each	102.90	746.53	14.4 , 14.6, 14.7.21 ,14.8	
14-48-d	Providing and Fixing brass ball float valve of approved quality: 1.25" dia	Each	102.90	1,068.46	Each	102.90	1,068.46	14.4 , 14.6, 14.7.21 ,14.8	
14-48-e	Providing and Fixing brass ball float valve of approved quality:1.5" (40 mm) dia	Each	102.90	1,327.78	Each	102.90	1,327.78	14.4 , 14.6, 14.7.21 ,14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-48-f	Providing and Fixing brass ball float valve of approved quality: 2" (50 mm) dia	Each	102.90	2,008.93	Each	102.90	2,008.93	14.4 , 14.6, 14.7.21 ,14.8	
14-49-a	Providing and Fixing MS high pressure seamwelded pipe & specials complete : 2" dia	Rft	275.63	565.41	m	904.28	1,855.03	14.4, 14.5, 14.6.4	
14-49-b	Providing and Fixing MS high pressure steal welded pipe & specials complete : 1" dia	Rft	220.50	483.40	m	723.43	1,585.96	14.4, 14.5, 14.6.4	
14-50-a	Providing and Fixing Audco type valve : 4" dia	Each	441.00	13,239.45	Each	441.00	13,239.45	14.4 , 14.6, 14.7.21 ,14.8	
14-50-b	Providing and Fixing Audco type valve : 2" dia	Each	330.75	4,955.40	Each	330.75	4,955.40	14.4 , 14.6, 14.7.21 ,14.8	
14-50-c	Providing and Fixing Audco type valve : 1" dia	Each	220.50	2,730.00	Each	220.50	2,730.00	14.4 , 14.6, 14.7.21 ,14.8	
14-51-a	Providing and Fixing pressure regulator : No. 103	Each	229.69	1,456.39	Each	229.69	1,456.39	14.4, 14.5	
14-51-b	Providing and Fixing pressure regulator : No. 043	Each	229.69	1,194.65	Each	229.69	1,194.65	14.4, 14.5	
14-51-c	Providing and Fixing pressure regulator : People type	Each	91.88	486.23	Each	91.88	486.23	14.4, 14.5	
14-52-a	Providing and Fixing high pressure flange type valve : 4" dia	Each	826.88	16,075.08	Each	826.88	16,075.08	14.4 , 14.6, 14.7.21 ,14.8	
14-52-b	Providing and Fixing high pressure flange type valve : 2" dia	Each	330.75	8,062.40	Each	330.75	8,062.40	14.4 , 14.6, 14.7.21 ,14.8	
14-52-c	Providing and Fixing high pressure flange type valve : 1" dia	Each	165.38	4,061.07	Each	165.38	4,061.07	14.4 , 14.6, 14.7.21 ,14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-53	Providing and Fixing nipple or bush 1/4" to 3/8" i/d	Each	44.10	89.99	Each	44.10	89.99	14.4 , 14.6, 14.7.21 ,14.8	
14-54-a	Providing and fixing eclipse cock : 1" dia	Each	110.25	1,152.29	Each	110.25	1,152.29	14.4 , 14.6, 14.7.18 ,14.8	
14-54-b	Providing and fixing eclipse cock : 3/4" dia	Each	220.50	1,192.27	Each	220.50	1,192.27	14.4 , 14.6, 14.7.18 ,14.8	
14-55-a	Providing and Fixing GI pipe & including specials complete 2" dia (light)	Rft	85.26	317.97	m	279.72	1,043.22	14.4 , 14.6, 14.6.2 , 14.8	
14-55-b	Providing and Fixing GI pipe & including specials complete: 1.5" dia (light)	Rft	85.26	289.08	m	279.72	948.42	14.4 , 14.6, 14.6.2 , 14.8	
14-55-c	Providing and Fixing GI pipe & including specials complete: 1.25" dia (light)	Rft	85.26	256.77	m	279.72	842.41	14.4 , 14.6, 14.6.2 , 14.8	
14-55-d	Providing and Fixing GI pipe & including specials complete 1" dia (light)	Rft	49.98	172.15	m	163.98	564.79	14.4 , 14.6, 14.6.2 , 14.8	
14-55-e	Providing and Fixing GI pipe & including specials complete: 3/4" dia (light)	Rft	49.98	135.92	m	163.98	445.93	14.4 , 14.6, 14.6.2 , 14.8	
14-55-f	Providing and Fixing GI pipe & including specials complete: 1/2" dia (light)	Rft	42.63	102.78	m	139.86	337.21	14.4 , 14.6, 14.6.2 , 14.8	
14-56-a	Providing and Fixing oxidized gas cock : 1" dia.	Each	36.75	664.13	Each	36.75	664.13	14.4 , 14.6, 14.7.18 , 14.8	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-56-b	Providing and Fixing oxidized gas cock : 3/4" dia.	Each	36.75	488.46	Each	36.75	488.46	14.4 , 14.6, 14.7.18 , 14.8	
14-56-c	Providing and Fixing oxidized gas cock : 1/2" dia	Each	36.75	428.71	Each	36.75	428.71	14.4 , 14.6, 14.7.18 , 14.8	
14-57-a	Providing and fixing brass gas cock : 1/2" dia (13 mm)	Each	14.70	328.98	Each	14.70	328.98	14.4 , 14.6, 14.7.18 , 14.8	
14-57-b	Providing and Fixing brass gas cock : 3/4" (20 mm) dia	Each	14.70	352.89	Each	14.70	352.89	14.4 , 14.6, 14.7.18 , 14.8	
14-58-a	Providing and Fixing 1/4" chorimum plated (CP) or oxidized gas cock: Single way	Each	44.10	226.93	Each	44.10	226.93	14.4 , 14.6, 14.7.18 , 14.8	
14-58-b	Providing and Fixing 1/4" chorimum plated (CP) or oxidized gas cock Two way	Each	73.50	270.67	Each	73.50	270.67	14.4 , 14.6, 14.7.18 , 14.8	
14-58-c	Providing and Fixing 1/4" chorimum plated (CP) or oxidized gas cock: Three way	Each	117.60	342.26	Each	117.60	342.26	14.4 , 14.6, 14.7.18 , 14.8	
14-59-a	Providing and Fixing approved best quality light burners: Single	Each	183.75	852.95	Each	183.75	852.95	14.4 , 14.6	
14-59-b	Providing and Fixing approved best quality light burners: Double	Each	183.75	2,267.83	Each	183.75	2,267.83	14.4 , 14.6	
14-60-a	Providing and Fixing approved best quality gas room heaters complete in all respects: Single pannel	Each	229.69	2,022.19	Each	229.69	2,022.19	14.4 , 14.6	
14-60-b	Providing and Fixing approved best quality gas room heaters complete in all respects: Double pannel	Each	229.69	2,858.69	Each	229.69	2,858.69	14.4 , 14.6	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-61-a	Providing and Fixing approved best quality cooking range with: Two (02) Burners & Oven	Each	303.19	16,806.14	Each	303.19	16,806.14	14.4, 14.5	
14-61-b	Providing and Fixing approved best quality cooking range with Two (02) burners, oven & rostartary	Each	303.19	18,036.99	Each	303.19	18,036.99	14.4, 14.5	
14-61-c	Providing and Fixing approved best quality cooking range with three (03) burners, oven & hot case	Each	303.19	20,462.84	Each	303.19	20,462.84	14.4, 14.5	
14-61-d	Providing and Fixing approved best quality cooking range with 3 burners, oven, hot case & rostartary	Each	303.19	24,442.19	Each	303.19	24,442.19	14.4, 14.5	
14-61-e	Providing and Fixing approved best quality cooking range with 5 burners, oven, hot case & rostartary	Each	303.19	31,014.69	Each	303.19	31,014.69	14.4, 14.5	
14-62-a	Providing and Fixing Normal quality gas water heaters: 20 gallons capacity	Each	459.38	19,778.70	Each	459.38	19,778.70	14.4, 14.5	
14-62-b	Providing and Fixing Normal quality gas water heaters: 30 gallons capacity	Each	459.38	23,594.57	Each	459.38	23,594.57	14.4, 14.5	
14-62-c	Providing and Fixing Normal quality gas water heaters 50 gallons capacity	Each	459.38	28,183.38	Each	459.38	28,183.38	14.4, 14.5	
14-63-a	Providing and Fixing gas cross burners : 6" (150 mm) Size	Each	114.84	533.09	Each	114.84	533.09	14.4, 14.5	
14-63-b	Providing and Fixing gas cross burners : 9" (225 mm) Size	Each	114.84	772.09	Each	114.84	772.09	14.4, 14.5	
14-63-c	Providing and Fixing gas cross burners : 12" (300 mm) Size	Each	114.84	951.34	Each	114.84	951.34	14.4, 14.5	
14-64-a	Providing and Fixing gas nozzle star burner with injector: 12" (300 mm) nozzle	Each	275.63	992.63	Each	275.63	992.63	14.4, 14.5	
14-64-b	Providing and Fixing gas nozzle star burner with injector:18" (450 mm) nozzle	Each	275.63	1,231.63	Each	275.63	1,231.63	14.4, 14.5	
14-64-c	Providing and Fixing gas nozzle star burner with injector: 24" (600 mm) nozzle	Each	275.63	1,351.13	Each	275.63	1,351.13	14.4, 14.5	
14-64-d	Providing and Fixing gas nozzle star burner with injector: 32" (900 mm) nozzle	Each	275.63	1,709.63	Each	275.63	1,709.63	14.4, 14.5	
14-65	Providing and Fixing flue pipe for gas room heater any type/make	Each	91.88	930.77	Each	91.88	930.77	14.4, 14.5	
14-66	Providing and Fixing gas twin burners with stand complete (Imperial make)	Each	275.63	2,455.30	Each	275.63	2,455.30	14.4, 14.5	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-67	Providing and Fixing angle iron frame wall type brackets for gas room heater	Pair	114.84	246.29	Pair	114.84	246.29	14.4, 14.5	
14-68-a	Providing and Fixing gas tandoor complete : 24" nozzle	Each	413.44	2,385.19	Each	413.44	2,385.19	14.4, 14.5	
14-68-b	Providing and Fixing gas tandoor complete : 32" nozzle	Each	413.44	2,803.44	Each	413.44	2,803.44	14.4, 14.5	
14-68-c	Providing and Fixing gas tandoor complete : 48" nozzle	Each	413.44	3,102.19	Each	413.44	3,102.19	14.4, 14.5	
14-69-a-01	Providing and fixing Fibre Glass , corrosion resistant, UV stablized WaterTank : 300 gallons	Each	2,205.00	12,279.37	Each	2,205.00	12,279.37	14.4 , 14.6, 14.7	
14-69-a-02	Providing and fixing Fibre Glass , corrosion resistant, UV stablized WaterTank : 400 gallons	Each	2,205.00	14,617.79	Each	2,205.00	14,617.79	14.4 , 14.6, 14.7	
14-69-b-01	Supplying and Fixing Polyethylene Water Tank made from food grade FDA Certified raw material, 3 layers UV stablized, inert with water, anti-fungus and anti-bacterial and have a service life of more than 10 years : 200 gallons (Horizontal)	Each	2,205.00	15,685.12	Each	2,205.00	15,685.12	14.4 , 14.6, 14.7	
14-69-b-02	Supplying and Fixing Polyethylene Water Tank made from food grade FDA Certified raw material, 3 layers UV stablized, inert with water, anti-fungus and anti-bacterial and have a service life of more than 10 years : 400 gallons (Vertical)	Each	4,410.00	25,482.70	Each	4,410.00	25,482.70	14.4 , 14.6, 14.7	
14-69-b-03	Supplying and Fixing Polyethylene Water Tank made from food grade FDA Certified raw material, 3 layers UV stablized, inert with water, anti-fungus and anti-bacterial and have a service life of more than 10 years : 500 gallons (Vertical)	Each	4,410.00	31,431.48	Each	4,410.00	31,431.48	14.4 , 14.6, 14.7	
14-69-b-04	Supplying and Fixing Polyethylene Water Tank made from food grade FDA Certified raw material, 3 layers UV stablized, inert with water, anti-fungus and anti-bacterial and have a service life of more than 10 years : 1000 gallons (Vertical)	Each	3,675.00	54,411.08	Each	3,675.00	54,411.08	14.4 , 14.6, 14.7	
14-69-b-05	Supplying and Fixing Polyethylene Water Tank made from food grade FDA Certified raw material, 3 layers UV stablized, inert with water, anti-fungus and anti-bacterial and have a service life of more than 10 years : 1500 gallons (Vertical)	Each	4,410.00	79,577.67	Each	4,410.00	79,577.67	14.4 , 14.6, 14.7	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-70-a	Providing and Fixing of pipe type B nikasi system including testing in all respect 110 mm	RFT	66.15	666.20	m	217.03	2,185.68	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-70-b	Providing and Fixing of pipe type B nikasi system including testing in all respect 75 mm	Rft	66.15	365.64	m	217.03	1,199.61	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-71-a	Providing and Fixing of polydex high pressure PPR (green including testing ect complete 25 mm(including all special etc)	Rft	42.63	96.27	m	139.86	315.86	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-71-b	Providing and Fixing of polydex high pressure PPR (green including testing ect complete 20 mm(including all special etc)	Rft	42.63	78.81	m	139.86	258.57	14.4 , 14.6, 14.7.3, 14.7.5 , 14.8	
14-72-a	Providing of plumbing tape insulation on G.I pipe complete 1/2" dia	20 Rft	39.57	50.65	m	6.49	8.31	14.4 , 14.6, 14.6.2 , 14.8	
14-72-b	Providing of plumbing tape insulation on G.I pipe complete 3/4" dia	20 Rft	39.57	56.17	m	6.49	9.21	14.4 , 14.6, 14.6.2 , 14.8	
14-72-c	Providing of plumbing tape insulation on G.I pipe complete 1" dia	20 Rft	39.57	61.73	m	6.49	10.13	14.4 , 14.6, 14.6.2 , 14.8	
14-72-d	Providing of plumbing tape insulation on G.I pipe complete 1.5" dia	20 Rft	39.57	67.25	m	6.49	11.03	14.4 , 14.6, 14.6.2 , 14.8	
14-72-e	Providing of plumbing tape insulation on G.I pipe complete 2" dia	20 Rft	39.57	72.81	m	6.49	11.94	14.4 , 14.6, 14.6.2 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-72-f	Providing of plumbing tape insulation on G.I pipe complete 2.5" dia	20 Rft	39.57	78.33	m	6.49	12.85	14.4 , 14.6, 14.6.2 , 14.8	
14-73-a	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete: 1/2" dia	20 Rft	104.13	178.21	m	17.08	29.23	14.4 , 14.6, 14.5.9 , 14.8	
14-73-b	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete: 3/4" dia	20 Rft	104.13	183.40	m	17.08	30.09	14.4 , 14.6, 14.5.9 , 14.8	
14-73-c	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete 1" dia	20 Rft	104.13	200.44	m	17.08	32.88	14.4 , 14.6, 14.5.9 , 14.8	
14-73-d	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete: 1.5" dia	20 Rft	104.13	210.07	m	17.08	34.46	14.4 , 14.6, 14.5.9 , 14.8	
14-73-e	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete: 2" dia	20 Rft	104.13	213.78	m	17.08	35.07	14.4 , 14.6, 14.5.9 , 14.8	
14-73-f	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete 2.5" dia	20 Rft	104.13	231.56	m	17.08	37.99	14.4 , 14.6, 14.5.9 , 14.8	
14-73-g	Providing of thermal insulation of high density (64kg/m3) fiber glass pipe insulation faced with aluminium foil for chilled/hot water piping complete: 3" dia	20 Rft	104.13	250.82	m	17.08	41.15	14.4 , 14.6, 14.5.9 , 14.8	
14-74-a	Providing and Fixing in positioin Gas water with fittings including thermostat, safety valve etc:- 30 Gallon Best Quality	Each	735.00	26,427.50	Each	735.00	26,427.50	14.4 , 14.6, 14.8	
14-74-b	Providing and Fixing in positioin Gas water with fittings including thermostat, safety valve etc:- 35 Gallon Best Quality	Each	643.13	28,128.13	Each	643.13	28,128.13	14.4 , 14.6, 14.8	
14-74-c	Providing and Fixing in positioin Wooden water geyser with fittings : 30 Gallon Best Quality	Each	459.38	24,359.38	Each	459.38	24,359.38	14.4 , 14.6, 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-74-d	Providing and Fixing in position Gas water Geyser with fittings including thermostat, safety valve etc:- 50 Gallon Best Quality	Each	643.13	34,103.13	each	643.13	34,103.13		
14-75-a	Providing & Fixing of approved quality Cooking Range Model 307 (3 Burners Black), Bigger size	Each	229.69	29,188.36	Each	229.69	29,188.36	14.4 , 14.6, 14.8	
14-75-b	Providing & Fixing of approved quality Cooking Range Model 308 (3 Burners Black), Smaller size	Each	229.69	26,220.94	Each	229.69	26,220.94	14.4 , 14.6, 14.8	
14-76	Providing & Fixing of approved quality Cooking Range Model 310 (3 Burners White)	Each	229.69	27,069.39	Each	229.69	27,069.39	14.4 , 14.6, 14.8	
14-77	Providing & Fixing of approved quality Cooking Range Model 312 (5 Burners), Automatic)	Each	229.69	30,642.44	Each	229.69	30,642.44	14.4 , 14.6, 14.8	
14-78	Providing and Fixing low level plastic flushing cistern 3 gallons (13.63) liters capacity, complete in all respects	Each	220.50	3,447.24	Each	220.50	3,447.24	14.4 , 14.6, 14.7.3 , 14.8	
14-79-a	Supply and fixing of 0.5 HP Monoblock water pump 1.25"x1" single phase upto 72 ft head (Type SE) i/c all accessories	Each	882.00	14,076.76	Each	882.00	14,076.76	14.4 , 14.6, 14.8, 15.16.3	
14-79-b	Supply and fixing of 1.0 HP Monoblock water pump 1.25"x1" single phase upto 90 ft head (Type SE) i/c all accessories	Each	882.00	17,747.80	Each	882.00	17,747.80	14.4 , 14.6, 14.8, 15.16.3	
14-79-c	Supply and fixing of 1.0 HP Monoblock water pump 1.25"x1" single phase upto 88 ft head (Type DE-S2) i/c all accessories.	Each	882.00	17,747.80	Each	882.00	17,747.80	14.4 , 14.6, 14.8, 15.16.3	
14-79-d	Supply and fixing of 1.5 HP Monoblock water pump 1.25"x1" single phase upto 130 ft head (Type DE-S2) i/c all accessories	Each	882.00	20,377.04	Each	882.00	20,377.04	14.4 , 14.6, 14.8, 15.16.3	
14-80-a	Supply and fixing of 2.0 HP Monoblock water pump 1.5"x1.25" 3 stage model DE-S3 (Deen Pump) single phase for 150 ft head with all accessories	Each	882.00	26,262.27	Each	882.00	26,262.27	14.4 , 14.6, 14.8, 15.16.3	
14-80-b	Supply and fixing of 2.0 HP Monoblock water pump 1.5"x1.5" 4 stage model DE-S4 single phase for 190 ft head with all accessories	Each	882.00	27,059.10	Each	882.00	27,059.10	14.4 , 14.6, 14.8, 15.16.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-80-c	Supply and fixing of 2.0 HP Monoblock water pump 2"x2" size 1 stage SE model single phase for 65 ft head with all accessories and fittings.	Each	882.00	26,323.42	Each	882.00	26,323.42	14.4 , 14.6, 14.8, 15.16.3	
14-81-a	Supply and fixing of 3.0 HP Monoblock water pump 1.5"x1.5" size 5 stage DE-S5 model single phase for 220 ft head with all accessories	Each	882.00	31,383.08	Each	882.00	31,383.08	14.4 , 14.6, 14.8, 15.16.3	
14-81-b	Supply and fixing of 3.0 HP Monoblock water pump 1.5"x1.25" size 6 stage DE-S6 model single phase for 260 ft head with all accessories	Each	882.00	30,334.35	Each	882.00	30,334.35	14.4 , 14.6, 14.8, 15.16.3	
14-81-c	Supply and fixing of 4.0 HP Monoblock water pump 1.5"x1.25" size 7 stage DN-S7 model single phase for 300 ft head with all accessories	Each	882.00	37,182.90	Each	882.00	37,182.90	14.4 , 14.6, 14.8, 15.16.3	
14-81-d	Supply and fixing of 3.0 HP Monoblock water pump 2.5"x2" size 2 stage DE-S2 model single phase for 100 ft head with all accessories	Each	1,470.00	37,155.08	Each	1,470.00	37,155.08	14.4 , 14.6, 14.8, 15.16.3	
14-81-e	Supply and fixing of 4.0 HP Monoblock water pump 1.5"x2" size 3= stage DN-S3 model single phase for 130 ft head with all accessories	Each	882.00	38,594.07	Each	882.00	38,594.07	14.4 , 14.6, 14.8, 15.16.3	
14-81-f	Supply and fixing of 4.0 HP Monoblock water pump 1.5"x2" size 4 stage DN-S4 model single phase for 160 ft head with all accessories	Each	1,470.00	39,182.07	Each	1,470.00	39,182.07	14.4 , 14.6, 14.8, 15.16.3	
14-81-g	Supply and fixing of 3.0 HP Monoblock water pump 3"x3" size 1 stage P.P model single phase for 60 ft head with all accessories	Each	882.00	41,981.13	Each	882.00	41,981.13	14.4 , 14.6, 14.8, 15.16.3	
14-81-h	Supply and fixing of 4.0 HP Monoblock water pump 3"x2.5" size 1stage P.P model single phase for 60 ft head with all accessories	Each	882.00	49,270.63	Each	882.00	49,270.63	14.4 , 14.6, 14.8, 15.16.3	
14-82-a	Supply and fixing of 1.0 HP Deep well water pump 1"x1" size 1stage Jet S-1 model single phase for 60 ft suction and upto 60 ft head with all accessories	Each	3,246.25	21,019.37	Each	3,246.25	21,019.37	14.4 , 14.6, 14.8, 15.16.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-82-b	Supply and fixing of 2.0 HP Deep well water pump 1"x1" size 2 stage Jet S-2 model single phase for 80 ft suction and upto 80 ft head with all accessories	Each	3,246.25	26,396.87	Each	3,246.25	26,396.87	14.4 , 14.6, 14.8, 15.16.3	
14-82-c	Supply and fixing of 3.0 HP Deep well water pump 1"x1" size 3 stage Jet S-3 model single phase for 120 ft suction and upto 120 ft head with all accessories	Each	3,246.25	30,878.12	Each	3,246.25	30,878.12	14.4 , 14.6, 14.8, 15.16.3	
14-82-d	Supply and fixing of 4.0 HP Deep well water pump 1"x1" size 4 stage Jet S-4 model single phase for 160 ft suction and upto 160 ft head with all accessories	Each	3,246.25	35,578.29	Each	3,246.25	35,578.29	14.4 , 14.6, 14.8, 15.16.3	
14-83	Providing & Fixing Solar Geysers 35 gallons capacity	Each	2,511.25	38,982.65	Each	2,511.25	38,982.65	14.4 , 14.6, 14.8, 15.16.3	
14-84-a-01	Furnish and install of G.I Union : 6" dia	Each	117.60	10,901.95	Each	117.60	10,901.95	14.6.2 , 14.8.4	
14-84-a-02	Furnish and install of G.I Socket : 6" dia	Each	117.60	3,708.05	Each	117.60	3,708.05	14.6.2 , 14.8.4	
14-84-a-03	Furnish and install of G.I Tee : 6" dia	Each	117.60	8,537.99	Each	117.60	8,537.99	14.6.2 , 14.8.4	
14-84-a-04	Furnish and install of G.I Elbow : 6" dia	Each	117.60	7,921.62	Each	117.60	7,921.62	14.6.2 , 14.8.4	
14-84-b-01	Furnish and install of G.I Union : 4" dia	Each	117.60	2,599.21	Each	117.60	2,599.21	14.6.2 , 14.8.4	
14-84-b-02	Furnish and install of G.I Socket : 4" dia	Each	117.60	1,377.80	Each	117.60	1,377.80	14.6.2 , 14.8.4	
14-84-b-03	Furnish and install of G.I Tee : 4" dia	Each	117.60	2,827.68	Each	117.60	2,827.68	14.6.2 , 14.8.4	
14-84-b-04	Furnish and install of G.I Elbow : 4" dia	Each	117.60	2,522.61	Each	117.60	2,522.61	14.6.2 , 14.8.4	
14-84-c-01	Furnish and install of G.I Union : 3" dia	Each	117.60	2,482.07	Each	117.60	2,482.07	14.6.2 , 14.8.4	
14-84-c-02	Furnish and install of G.I Socket : 3" dia	Each	117.60	935.65	Each	117.60	935.65	14.6.2 , 14.8.4	
14-84-c-03	Furnish and install of G.I Tee : 3" dia	Each	117.60	2,015.98	Each	117.60	2,015.98	14.6.2 , 14.8.4	
14-84-c-04	Furnish and install of G.I Elbow : 3" dia	Each	117.60	1,781.43	Each	117.60	1,781.43	14.6.2 , 14.8.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-84-d-01	Furnish and install of G.I Union : 2.5" dia	Each	117.60	2,013.83	Each	117.60	2,013.83	14.6.2 , 14.8.4	
14-84-d-02	Furnish and install of G.I Socket : 2.5" dia	Each	117.60	613.00	Each	117.60	613.00	14.6.2 , 14.8.4	
14-84-d-03	Furnish and install of G.I Tee : 2.5" dia	Each	117.60	1,517.08	Each	117.60	1,517.08	14.6.2 , 14.8.4	
14-84-d-04	Furnish and install of G.I Elbow : 2.5" dia	Each	117.60	955.24	Each	117.60	955.24	14.6.2 , 14.8.4	
14-84-e-01	Furnish and install of G.I Union : 2" dia	Each	110.25	1,028.49	Each	110.25	1,028.49	14.6.2 , 14.8.4	
14-84-e-02	Furnish and install of G.I Socket : 2" dia	Each	110.25	354.70	Each	110.25	354.70	14.6.2 , 14.8.4	
14-84-e-03	Furnish and install of G.I Tee : 2" dia	Each	110.25	674.22	Each	110.25	674.22	14.6.2 , 14.8.4	
14-84-e-04	Furnish and install of G.I Elbow : 2" dia	Each	110.25	588.67	Each	110.25	588.67	14.6.2 , 14.8.4	
14-84-f-01	Furnish and install of G.I Union : 1.5" dia	Each	110.25	748.09	Each	110.25	748.09	14.6.2 , 14.8.4	
14-84-f-02	Furnish and install of G.I Socket : 1.5" dia	Each	110.25	257.28	Each	110.25	257.28	14.6.2 , 14.8.4	
14-84-f-03	Furnish and install of Tee : 1.5" dia	Each	110.25	486.07	Each	110.25	486.07	14.6.2 , 14.8.4	
14-84-f-04	Furnish and install of G.I Elbow : 1.5" dia	Each	110.25	401.26	Each	110.25	401.26	14.6.2 , 14.8.4	
14-84-g-01	Furnish and install of G.I Union : 1.25" dia	Each	102.90	574.78	Each	102.90	574.78	14.6.2 , 14.8.4	
14-84-g-02	Furnish and install of G.I Socket : 1.25" dia	Each	102.90	232.01	Each	102.90	232.01	14.6.2 , 14.8.4	
14-84-g-03	Furnish and install of G.I Tee : 1.25" dia	Each	102.90	406.59	Each	102.90	406.59	14.6.2 , 14.8.4	
14-84-g-04	Furnish and install of G.I Elbow : 1.25" dia	Each	102.90	328.05	Each	102.90	328.05	14.6.2 , 14.8.4	
14-84-h-01	Furnish and install of G.I Union : 1" dia	Each	102.90	432.53	Each	102.90	432.53	14.6.2 , 14.8.4	
14-84-h-02	Furnish and install of G.I Socket : 1" dia	Each	102.90	192.57	Each	102.90	192.57	14.6.2 , 14.8.4	
14-84-h-03	Furnish and install of G.I Tee : 1" dia	Each	102.90	340.47	Each	102.90	340.47	14.6.2 , 14.8.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-84-h-04	Furnish and install of G.I Elbow : 1" dia	Each	102.90	262.19	Each	102.90	262.19	14.6.2 , 14.8.4	
14-85-a	Supply & fixing of brass foot valve of the following sizes i/c require fittings complete. 2" dia	Each	117.60	1,140.04	Each	117.60	1,140.04	14.7.21 , 14.8.4	
14-85-b	Supply & fixing of brass foot valve of the following sizes i/c require fittings complete. 2.5" dia	Each	132.30	1,758.84	Each	132.30	1,758.84	14.7.21 , 14.8.4	
14-85-c	Supply & fixing of brass foot valve of the following sizes i/c require fittings complete. 3" dia	Each	147.00	2,120.18	Each	147.00	2,120.18	14.7.21 , 14.8.4	
14-85-d	Supply & fixing of brass foot valve of the following sizes i/c require fittings complete. 4" dia	Each	176.40	3,900.98	Each	176.40	3,900.98	14.7.21 , 14.8.4	
14-85-f	Supply & fixing of brass foot valve of the following sizes i/c require fittings complete. 6" dia	Each	220.50	12,160.46	Each	220.50	12,160.46	14.7.21 , 14.8.4	
14-86	Providing & fixing chromium plated double bib-cock with Muslim Shower of approved quality Complete is all respects.	Each	220.50	2,366.72	Each	220.50	2,366.72	14.7.18 , 14.8.4	
14-87	Providing and fixing Providing and Fixing of Bath accessories set (chorium plated (C) soap dish, CP toilet paper holder, towel rail, best quality looking glass 5 mm thick neatly fitted with Mirror 60 x 45 cm (24"x18") size, glazed earthenware shelf (60x13 cm) 24"x5" with chorium plated (CP) brackets & railing) complete in all respect	Each	514.50	5,804.05	Each	514.50	5,804.05	14.7.6 , 14.7.11 , 14.8	
14-88	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling,chromium plated CP stop-cock 1/2") complete in all respects: White with pedestal	Each	878.94	9,730.30	Each	878.94	9,730.30	14.7 , 14.8	
14-89-a	Providing and fixing stainless steel bowel sink 15" x20" including set of brackets, waste pipe etc	Each	878.94	4,486.64	Each	878.94	4,486.64	14.7 , 14.8	
14-89-b	Providing and Fixing stainless steel bowel 17"x14", including set of brackets, waste pipe etc	Each	882.00	4,277.47	Each	882.00	4,277.47	14.7 , 14.8	
14-89-c	Providing and Fixing stainless steel bowel 18"x15", including set of brackets, waste pipe etc	Each	882.00	4,779.37	Each	882.00	4,779.37	14.7 , 14.8	
14-90-a	Providing and installing GI Tee 1/2" dia	Each	117.60	166.60	Each	117.60	166.60	14.6.2 , 14.8.4	
14-90-b	Providing and installing GI Tee 3/4" dia	Each	117.60	196.45	Each	117.60	196.45	14.6.2 , 14.8.4	
14-91-a	Providing and installing GI Union 1/2" dia	Each	117.60	281.59	Each	117.60	281.59	14.6.2 , 14.8.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-91-b	Providing and installing GI Union 3/4" dia	Each	117.60	309.46	Each	117.60	309.46	14.6.2 , 14.8.4	
14-91-c	Providing and installing GI Union 1" dia	Each	183.75	509.75	Each	183.75	509.75	14.6.2 , 14.8.4	
14-91-d	Providing and installing GI Union 1-1/2" dia	Each	117.60	751.81	Each	117.60	751.81	14.6.2 , 14.8.4	
14-91-e	Providing and installing GI Union 2" dia	Each	183.75	1,096.54	Each	183.75	1,096.54	14.6.2 , 14.8.4	
14-91-f	Providing and installing GI Union 2-1/2" dia	Each	183.75	2,074.53	Each	183.75	2,074.53	14.6.2 , 14.8.4	
14-91-g	Providing and installing GI Union 3" dia	Each	367.50	2,726.53	Each	367.50	2,726.53	14.6.2 , 14.8.4	
14-91-h	Providing and installing GI Union 4" dia	Each	367.50	2,843.66	Each	367.50	2,843.66	14.6.2 , 14.8.4	
14-93-a	Supply & fixing of cast iron (CI) foot valve of the following sizes i/c require fittings complete. 2" dia	Each	117.60	604.68	Each	117.60	604.68	14.6.1, 14.7.21 , 14.8.4	
14-93-b	Supply & fixing of cast iron (CI) foot valve of the following sizes i/c require fittings complete. 2.5" dia	Each	132.30	800.45	Each	132.30	800.45	14.6.1, 14.7.21 , 14.8.4	
14-93-c	Supply & fixing of cast iron (CI) foot valve of the following sizes i/c require fittings complete. 3" dia	Each	147.00	1,001.66	Each	147.00	1,001.66	14.6.1, 14.7.21 , 14.8.4	
14-93-d	Supply & fixing of cast iron foot valve of the following sizes i/c require fittings complete. 4" dia	Each	176.40	1,279.15	Each	176.40	1,279.15	14.6.1, 14.7.21 , 14.8.4	
14-93-f	Supply & fixing of Cast Iron (CI) foot valve of the following sizes i/c require fittings complete. 6" dia	Each	220.50	2,067.49	Each	220.50	2,067.49	14.6.1, 14.7.21 , 14.8.4	
14-94-a	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 6" dia	Each	147.00	8,571.02	Each	147.00	8,571.02	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-94-b	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings: G.I Tee 4" dia	Each	147.00	2,860.71	Each	147.00	2,860.71	14.6.1, 14.8.3, 14.8.4 , 14.8.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-94-c	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 3" dia	Each	147.00	2,067.17	Each	147.00	2,067.17	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-94-d	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 2.5" dia	Each	147.00	1,568.27	Each	147.00	1,568.27	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-94-e	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 2" dia	Each	147.00	723.68	Each	147.00	723.68	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-94-f	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 1.5" dia	Each	117.60	504.31	Each	117.60	504.31	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-94-g	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 1.25" dia	Each	102.90	415.67	Each	102.90	415.67	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-94-h	Making connection with the existing system G.I pipe line including cutting the pipe for providing & fixing required fittings : G.I Tee 1" dia	Each	102.90	347.73	Each	102.90	347.73	14.6.1, 14.8.3, 14.8.4 , 14.8.5	
14-95-a	Making connection with the existing system PVC pipe line including cutting the pipe for providing & fixing required fittings : Class B PVC TEES 6" dia	Each	147.00	1,136.22	Each	147.00	1,136.22	14.6.3, 14.8.3, 14.8.4 , 14.8.5	
14-95-b	Making connection with the existing system PVC pipe line including cutting the pipe for providing & fixing required fittings : Class B PVC TEES 4" dia	Each	147.00	434.04	Each	147.00	434.04	14.6.3, 14.8.3, 14.8.4 , 14.8.5	
14-95-c	Making connection with the existing system PVC pipe line including cutting the pipe for providing & fixing required fittings : Class B PVC TEES 3" dia	Each	147.00	369.51	Each	147.00	369.51	14.6.3, 14.8.3, 14.8.4 , 14.8.5	
14-95-d	Making connection with the existing system PVC pipe line including cutting the pipe for providing & fixing required fittings : Class B PVC TEES 2.5" dia	Each	147.00	317.65	Each	147.00	317.65	14.6.3, 14.8.3, 14.8.4 , 14.8.5	



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Chapter # : 14 PLUMBING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-95-e	Making connection with the existing system PVC pipe line including cutting the pipe for providing & fixing required fittings : Class B PVC TEES 2" dia	Each	147.00	245.47	Each	147.00	245.47	14.6.3, 14.8.3, 14.8.4, 14.8.5	
14-95-f	Making connection with the existing system PVC pipe line including cutting the pipe for providing & fixing required fittings : Class B PVC TEES 1.5" dia	Each	117.60	197.86	Each	117.60	197.86	14.6.3, 14.8.3, 14.8.4, 14.8.5	
14-96-a	Supply of 1" dia Class E PVC special heavy gauge pipe.	Rft	88.20	124.66	m	289.37	409.00	14.6.3	
14-96-b	Supply of 3/4" dia Class E PVC special heavy gauge pipe.	Rft	88.20	112.80	m	289.37	370.06	14.6.3	
14-97	Supply of 150 Micron Polythene sheet of approved quality	Kg	0.00	322.65	Kg	0.00	322.65	14.4, 14.6	
14-98-a	Supply and fixing MS Pipe 4" i/d 5mm thick	Rft	210.03	1,264.02	m	689.06	4,147.03	14.6.4, 14.8.3	
14-98-b	S/H/J MS Pipe 1.5" i/d 5mm thick	Rft	210.03	475.32	m	689.06	1,559.44	14.6.4, 14.8.3	
14-98-c	S/H/J MS Pipe 3" i/d 5mm thick	Rft	210.03	950.93	m	689.06	3,119.84	14.6.4, 14.8.3	
14-99	Supply and Fixing of Chromium Plated tower bolt : 6" to 9"	Each	64.31	327.21	Each	64.31	327.21	14.7, 14.8	
14-100	Supply and Fixing of Ball cock : 1/2" dia	Each	64.31	428.79	Each	64.31	428.79	14.7.21, 14.8.4	
14-101	Supply and fixing of conduit pipe curtain railing coloured with ends head brackets and runner complete	Rft	36.75	134.74	m	120.57	442.06	14.6, 14.8.4	
14-102	Providing & Fixing of SHOWER SET locally made complete with concealed T-STOP COCK for cold and hot water supply with mixer, swivel shower rose, long bib cock etc Complete in all respect.	Each	294.00	21,804.00	Each	294.00	21,804.00	14.4, 14.6, 14.7.14, 14.8	
14-103	Providing, making & Fixing of of shower cabin of 8mm glass (Irosted & design) fixed with stainless steel brackets complete in all respects	Sft	102.90	425.55	m2	1,107.20	4,578.92	14.4, 14.6, 14.7.14, 14.8	
14-104-a	Supply and Fixing of CP floor Truff Jalli with Grating 8"×8" complete	Each	91.88	477.86	Each	91.88	477.86	14.4, 14.6, 14.7.19, 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-104-b	Supply and Fixing of CP floor Truff Jalli with Grating 6"×6" complete	Each	91.88	358.36	Each	91.88	358.36	14.4 , 14.6, 14.7.19 , 14.8	
14-105	Supply and fixing of Glass Pane 5mm Black colour best quality imported	Sft	117.60	201.06	m2	1,265.38	2,163.39	14.4, 14.5	
14-106	Providing and fixing chromium plated (CP) double angle cock, heavy duty of approved quality	Each	102.90	849.78	Each	102.90	849.78	14.7.21 , 14.8.4	
14-107	Providing and Fixing 3" x 1 1/2" tubular pipe for support on shed	Rft	40.42	61.89	m	132.63	203.05	14.6.2 , 14.8.3	
14-108	Providing and Fixing low level plastic flushing cistern 3 gallons (13.63) liters capacity, complete in all respects	Each	220.50	3,447.24	Each	220.50	3,447.24	14.7.3	
14-109	Supply of Thermostat for Sui Gas water heater	Each	257.25	3,603.25	Each	257.25	3,603.25	14.4, 14.5	
14-110-a	Supply of pilot light for Sui Gas water heater of approved quality	Each	367.50	546.75	Each	367.50	546.75	14.4, 14.5	
14-110-b	Supply of Pilot pipe of copper for Sui Gas water heater of Approved Quality	Each	367.50	487.00	Each	367.50	487.00	14.4, 14.5	
14-111	Supply of spindle valve for Sui Gas heater	Each	0.00	95.60	Each	0.00	95.60	14.4, 14.5	
14-112	Supply of flue pipe for sui gas water heater any-type and make	Rft	0.00	8.36	m	0.00	27.44	14.4, 14.5	
14-113	Providing and Fixing PVC rubber pipe complete: 1/2" dia (light)	Rft	27.93	63.78	m	91.63	209.25	14.6.3 , 14.8.3	
14-114	Supply of themocouple for sui gas water heater	Each	0.00	119.50	Each	0.00	119.50	14.4, 14.5	
14-115-a	Supply of Burner (Triple) approved quality and design	Each	0.00	11,950.00	Each	0.00	11,950.00	14.4, 14.5	
14-115-b	Providing and Fixing of Suigas Burner (Double) Stainless steel best quality	Each	367.50	9,927.50	Each	367.50	9,927.50	14.4, 14.5	
14-116	Supply & Installation of Heat Reflector of Brass sheet for fire place	Sft	367.50	1,233.88	m2	3,954.30	13,276.50	14.4, 14.5	
14-117	Supply/Installation & making of Brass beading for fire place i/c cutting, bending & polishing of the same complete in all respect	Rft	176.40	248.10	m	578.74	813.98	14.4, 14.5	
14-118	Supply/Installation & making of coal tray with gas fitting for fire place	Each	275.63	1,446.72	Each	275.63	1,446.72	14.4, 14.5	
14-119	Replacement of Rail cocks & knobs system with heavy duty ball valves with specials to over come the leakage of heavy pressure gas for cooking range/oven.	Each	441.00	1,397.00	Each	441.00	1,397.00	14.7.221	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-120	Providing and Fixing stainless steel ball float valve of approved quality: 1/2" (13 mm) dia	Each	102.90	819.90	Each	102.90	819.90	14.7.21	
14-121	Filling of Fire Extinguisher including all fittings complete in all respects.	kg	117.60	476.10	kg	117.60	476.10	14.4, 14.5	
14-122	Supply and Fixing of suigas nab with screw	Each	176.40	200.30	Each	176.40	200.30	14.4 , 14.6	
14-123-a	Providing and installing GI Bend 1/2" dia	Each	117.60	196.71	Each	117.60	196.71	14.6.2 , 14.8.3	
14-123-b	Providing and installing GI Bend 3/4" dia	Each	117.60	240.92	Each	117.60	240.92	14.6.2 , 14.8.3	
14-124	Replacement of G.I water tenk new for water geezer 30/35 gallens	Each	367.50	367.50	Each	367.50	367.50	14.4 , 14.6	
14-125	Supply and fixing of 2-1/2 gallon capacity low level cistem (B/Quality)	Each	367.50	2,996.50	Each	367.50	2,996.50	14.7.3	
14-126	Supply & fixing of floor trough with gritting complete as per approved design	Each	183.75	422.75	Each	183.75	422.75	14.4 , 14.6	
14-127	Providing and Fixing of Drawers / Almirah lock 808/505 best quality	Each	192.94	372.19	Each	192.94	372.19	14.4 , 14.6	
14-128	Providing and Fixing of hydraulic Door Closer heavy (Best Quality).	Each	321.56	2,711.56	Each	321.56	2,711.56	14.4 , 14.6	
14-129	Providing and Fixing of Brass sliding bolts 10" long (heavy) best quality	Each	102.90	1,417.40	Each	102.90	1,417.40	14.4 , 14.6	
14-130	Providing and Fixing of looking glass of approved quality	Each	251.13	975.89	Each	251.13	975.89	14.7.9	
14-131	Providing and Fixing of curtain ends (crystal) design.	Pair	58.80	297.80	Pair	58.80	297.80	14.4 , 14.6	
14-132	Supply and Fixing of Bath sol (Best Quality)	Each	367.50	18,890.00	Each	367.50	18,890.00	14.4 , 14.6	
14-133	Supply and Fixing of vast coupling with mixing rod & cap (Golden) imported quality	Each	367.50	1,144.25	Each	367.50	1,144.25	14.4 , 14.6	
14-134	Supply and Fixing of Tarpal	Sft	12.86	35.07	m2	138.40	377.31	14.4 , 14.6	
14-135	Supply and Fixing of MS16 SWG Pipe 2" dia	Rft	73.50	178.06	m	241.14	584.19	14.6.4 , 14.8.3	
14-136	Supply and Fixing of steel sink heavy gauge double hole (6'x 1.5')	Each	367.50	14,707.50	Each	367.50	14,707.50	14.7.16	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-137	Supply & fixing of Syphone for flush tanki (Best Quality)	Each	367.50	941.10	Each	367.50	941.10	14.7.3	
14-138	Supply & fixing of coiling Rose best quality	Each	147.00	774.38	Each	147.00	774.38	14.4 , 14.6	
14-139	Providing and fixing of approved quality and manufacturer best design Fire Extinguisher including all fittings complete in all respects.	Each	294.00	15,604.94	Each	294.00	15,604.94	14.4, 14.5	
14-140	Passenger Elevator/Lift Providing and fixing of Passenger Lift (Elevator) of approved manufacturer including all fittings complete in all respects .	Each	0.00	3,463,110.00	Each	0.00	3,463,110.0	14.4, 14.5	
14-141-a	P/L approved quality UPVC pipes for water supply and gas supply i/c fitting, cutting, jointing, jointing material making holes in walls and filling the same with 1:4 CSM, excavation and back filling : 3" dia	Rft	91.80	325.56	m	301.19	1,068.09	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-141-b	P/L approved quality UPVC pipes for water supply and gas supply i/c fitting, cutting, jointing, jointing material making holes in walls and filling the same with 1:4 CSM, excavation and back filling. : 4" dia	Rft	104.15	473.01	m	341.70	1,551.87	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-142	Supplying and fixing, 5'x2.5'x1.25' size bath tub Complete with all acceries of approved quality.	Each	1,837.50	16,356.75	Each	1,837.50	16,356.75	14.7.17	
14-143	Providing and fixing 2" dia PVC gravel feed pipe including Sanitary seal to min. 20ft depth from top level of tube well, complete in all respects.	Job	0.00	45,410.00	Job	0.00	45,410.00	14.4 , 14.6	
14-144-a	Supplying and Fixing UPVC soil waste and vent pipe class B : 6" dia	Rft	50.53	982.63	m	165.78	3,223.86	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Rft	40.42	537.54	m	132.63	1,763.60	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Rft	40.42	390.56	m	132.63	1,281.36	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-144-d	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" ,including imported rubber ring/solvent cement fittings, jointing, cutting, and breaking concrete/masonry and then making it good, applying painting, cleaning and testing etc. complete in all respects.(for sanitary drainage) : 2" dia	Rft	29.40	243.30	m	96.46	798.24	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-144-e	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" ,including imported rubber ring/solvent cement fittings, jointing, cutting, and breaking concrete/masonry and then making it good, applying painting, cleaning and testing etc. complete in all respects.(for sanitary drainage) : 1-1/2" dia	Rft	29.40	172.80	m	96.46	566.93	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-145-a	Providing and fixing Fire Extinguisher of approved quality and manufacturer best design including all fittings complete in all respects. : 6kg	Each	367.50	8,135.00	Each	367.50	8,135.00	14.4, 14.5	
14-145-b	Providing and fixing Fire Extinguisher of approved quality and manufacturer best design including all fittings complete in all respects. : 2kg	Each	367.50	5,147.50	Each	367.50	5,147.50	14.4, 14.5	
14-146	Fire Hose cabinet with 30 meter Hose Reel and Nozzle Complete with accessories	Each	367.50	60,117.50	Each	367.50	60,117.50	14.4, 14.5	
14-147	Providing & Fixing of uPVC Floor Drain of dia 5" with P-Trap of approved quality with M.S Grating of 5 Inches dia hole with minimum outlet of drain should be 3 Inches complete in all respect.	Job	551.25	4,271.38	Job	551.25	4,271.38	14.4 , 14.6, 14.6.3.1 , 14.8.3.3	
14-148	Providing and Fixing Electrically Operated drinking water cooler of 100 gallons storage capacity with DX COIL based on R134,compressor and air-cooled condenser with storage tank of S/S 314 with TAPS including TRIPP LET FILTER complete in all respects	Each	0.00	155,350.00	Each	0.00	155,350.00	14.4, 14.5	
14-149	Providing and fixing of RCC pipe for power cable, including excavation, sand bedding, back-filling, accessories, manholes, etc. in the following sizes: 150 mm dia	Each	212.41	989.79	Each	212.41	989.79	14.4 , 14.6, 14.8	
14-150	Supply and fixing 25mm dia baker rod in expansion joint	Rft	73.50	139.23	m	241.14	456.77	14.4, 14.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-151	Providing and applying polysulphide sealant of any colour in expansion joint	Rft	14.70	38.60	m	48.23	126.64	14.4 , 14.6	
14-152	Supply and Fixing of Electric Water Cooler 45 Gallons (Local)	Each	0.00	38,240.00	Each	0.00	38,240.00	14.4 , 14.6	
14-153-a	Providing and fixing of tempered glass of approved quality and color including all fitting complete in all respects a) 5 mm Thick	Sft	183.75	372.06	m2	1,977.15	4,003.39	14.4 , 14.6	
14-153-b	Providing and fixing of tempered glass of approved quality and color including all fitting complete in all respects b) 8 mm Thick	Sft	183.75	493.65	m2	1,977.15	5,311.71	14.4 , 14.6	
14-153-c	Providing and fixing of tempered glass of approved quality and color including all fitting complete in all respects c) 12mm Thick	Sft	183.75	638.85	m2	1,977.15	6,873.98	14.4 , 14.6	
14-154	Supply and Installation of G.I. water pipes conforming to BS-1387 (1985), Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of the following diameters. 2" dia	Rft	551.25	905.92	m	1,808.56	2,972.19	14.6.2, 14.8.3 , 14.8.4	
14-155	Galvanised MS ladder rings 3/4" dia inside and outside water tanks; Each rung of 12" width, 6" projected outside the wall and 6" embeded in RCC on both ends; including all necessary works for complete installation.	kg	176.40	307.85	kg	176.40	307.85	14.4 , 14.6, 14.8	
14-156	Bitumen coated cast Iron grating cover with frame conforming to BS-497, on catchpits, including all fittings for complete installation. 24"x24" (70 KG)	Each	220.50	4,638.89	Each	220.50	4,638.89	14.4 , 14.6, 14.8	
14-157	P-Trap (uPVC) for squatting type WC.	Each	198.45	1,025.71	Each	198.45	1,025.71	14.6.3 , 14.8.8	
14-158	Grab bar (ROCA make) with W.C of special person's toilet including all fittings with complete installation.	No	441.00	2,324.32	No	441.00	2,324.32	14.4 , 14.6, 14.7.1 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-159	Undercounter Vanity type wash hand basin of approved make, colour, size, shape and quality, including jointing and sealing material, etc. with all accessories for complete installation.	Each	502.25	7,922.00	Each	502.25	7,922.00	14.7.4	
14-160-a	Supply and installation of Electric Water cooler of following capacity, including check valve at inlet and all accessories for complete installation. 10 Gallons	Each	220.50	16,353.00	Each	220.50	16,353.00	14.4 , 14.6	
14-160-b	Electric water coolers of 40 gallons capacity, including inlet and outlet connections, gate valve on inlet, electric connection upto power socket, and all other accessories for complete installation.	Each	110.25	38,350.25	Each	110.25	38,350.25	14.4 , 14.6	
14-161	Triple water filter (10") including inlet and outlet connections, power supply, and all accessories for complete installation.	Each	220.50	8,608.80	Each	220.50	8,608.80	14.4 , 14.6	
14-162-a	G.I. water pipes (cold and hot water, in ducts & in exposed condition) Conforming to BS-1387 (1985), Medium Grade, I/c all fittings, wrapping glasswool thermal insulation with aluminium vapour barrier, making holes in concrete or masonry and then repairing holes, supports and hangers etc. of approved make of the following diameters, complete in all respects: (a) 1 inch	Rft	183.75	317.56	m	602.85	1,041.86	14.6.2, 14.8.3 , 14.8.4	
14-162-b	G.I. water pipes (cold and hot water, in ducts & in exposed condition) Conforming to BS-1387 (1985), Medium Grade, I/c all fittings, wrapping glasswool thermal insulation with aluminium vapour barrier, making holes in concrete or masonry and then repairing holes, supports and hangers etc. of approved make of the following diameters, complete in all respects: (b) 1-1/4 inch	Rft	183.75	357.28	m	602.85	1,172.18	14.6.2, 14.8.3 , 14.8.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-162-c	G.I. water pipes (cold and hot water, in ducts & in exposed condition) Conforming to BS-1387 (1985), Medium Grade, I/c all fittings, wrapping glasswool thermal insulation with aluminium vapour barrier, making holes in concrete or masonry and then repairing holes, supports and hangers etc. of approved make of the following diameters, complete in all respects: (c) 1-1/2 inch	Rft	183.75	403.50	m	602.85	1,323.81	14.6.2, 14.8.3 , 14.8.4	
14-163-a	G.I. water pipes (in burried conditions) conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects. 3/4" (20 mm) Nominal Pipe Size (NPS)	Rft	18.74	111.92	m	61.49	367.20	14.6.2, 14.8.3 , 14.8.4	
14-163-b	G.I. water pipes (in burried conditions) conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects. 1" (25 mm) Nominal Pipe Size (NPS)	Rft	18.74	149.76	m	61.49	491.33	14.6.2, 14.8.3 , 14.8.4	
14-163-c	G.I. water pipes (in burried conditions) conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects. 1¼" (32 mm) Nominal Pipe Size (NPS)	Rft	20.80	190.90	m	68.24	626.32	14.6.2, 14.8.3 , 14.8.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-163-d	G.I. water pipes (in burried conditions) conforming to BS-1387, Medium Grade, I/c all fittings, wrapping polythene tape, giving anticorrosion treatment, applying protective painting, making holes in concrete or masonry and then repairing holes, flushing, disinfecting, testing and commissioning etc. of approved make, of the following diameters,complete in all respects. '1½" (40 mm) Nominal Pipe Size (NPS)	Rft	21.54	236.18	m	70.65	774.87	14.6.2, 14.8.3 , 14.8.4	
14-164	uPVC Multi Floor Trap (110x75mm) including strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	367.50	1,849.30	Each	367.50	1,849.30	14.6.3 , 14.8.3	
14-165-a	uPVC floor Cleanout including 2 No. 45o elbows, transition pipe, SS screwed plug/cover assembly jointed air-tight with pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects. (i) 3" dia	Each	367.50	1,390.42	Each	367.50	1,390.42	14.6.3 , 14.8.3	
14-165-b	uPVC floor Cleanout including 2 No. 45o elbows, transition pipe, SS screwed plug/cover assembly jointed air-tight with pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects. (ii) 4" dia	Each	367.50	2,173.15	Each	367.50	2,173.15	14.6.3 , 14.8.3	
14-166	Supply & installation of cast iron roof drain, including strainer, flashing material, and all accessories for complete installation, as per specifications. 4 inches dia	Rft	132.30	643.02	m	434.06	2,109.64	14.6.1	
14-167-a	Brass/Bronze Gate valves on water supply pipes, conforming to BS standards of approved quality, including jointing arrangement of pipes on both ends of valves; nuts, bolts etc. complete in all respects, of following internal diameters. (i) 3/4 "	Each	14.70	1,538.32	Each	14.70	1,538.32	14.4 , 14.6, 14.7.21 , 14.8	



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		Unit	Labour	Composite	Unit	Labour	Composite		
14-167-b	Brass/Bronze Gate valves on water supply pipes, conforming to BS standards of approved quality, including jointing arrangement of pipes on both ends of valves; nuts, bolts etc. complete in all respects, of following internal diameters. (i) 1-1/2 "	Each	14.70	2,367.18	Each	14.70	2,367.18	14.4 , 14.6, 14.7.21 , 14.8	
14-168	Brass/Bronze swing type check valves on water supply pipes, conforming to BS standards, including jointing arrangement of pipes on both ends of valves; nuts, bolts etc. complete in all respects, of following internal diameters. (i) 1-1/4 "	Each	14.70	4,280.85	Each	14.70	4,280.85	14.4 , 14.6, 14.7.21 , 14.8	
14-169	Air relief valves, of approved quality including jointing arrangement with pipe; nuts, bolts etc. complete in all respects. (i) 3/4 "	Each	29.40	1,674.92	Each	29.40	1,674.92	14.7.21	
14-170	Cowl on vent pipes of the following diameter. (i) 3"	Each	14.70	701.83	Each	14.70	701.83	14.4 , 14.6, 14.7.21 , 14.8	
14-171-a	Suppling and fixing of bell mouth with collar including testing of joint, complete in all respects as specified. 3" dia	No	165.38	2,997.52	No	165.38	2,997.52	14.4 , 14.6, 14.7.21 , 14.8	
14-171-b	Suppling and fixing of bell mouth with collar including testing of joint, complete in all respects as specified. 4" dia	No	165.38	3,618.93	No	165.38	3,618.93	14.4 , 14.6, 14.7.21 , 14.8	
14-172-a	Supplying and fixing of Dry Chemical Powder Fire Extinguisher 6Kg Capacity complete in all respect	Each	45.94	7,813.44	Each	45.94	7,813.44	14.4, 14.5	
14-172-b	Supplying and fixing of Foam Type fire extinguishers capacity 12 liters complete in all respect	Each	45.94	11,398.44	Each	45.94	11,398.44	14.4, 14.5	
14-173	Providing & Laying 150 Micron thick Polythene Sheet as per instructions of the Engineer-in-Charge, Complete in all respects.	Kg	132.30	431.05	Kg	132.30	431.05	14.4, 14.5	
14-174	8" dia. MS filter Screen pipe of 4.5mm thickness & 1/16" slot opening	Rft	404.25	1,838.25	m	1,326.28	6,031.00	14.4 , 14.6, 14.7.21 , 14.8	



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Chapter # : 14 PLUMBING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14-175	Providing and fixing of teak wood water level gauge of approved quality complete in all respects.	Job	147.00	25,839.50	Job	147.00	25,839.50	14.4 , 14.6, 14.7.21 , 14.8	
14-176	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for Cast Iron & AC pipe line (including cost of jointing material):- a) 2.5" (75 mm) dia of Valve	Each	404.25	13,041.61	Each	404.25	13,041.61	24.3.5.6.2 , 24.3.6.18	
14-177-a	Providing and Fixing Wall Shower Set 151/153 C.P	Each	147.00	23,628.75	Each	147.00	23,628.75	14.4 , 14.6, 14.7.21 , 14.8	
14-177-b	Providing and Fixing Wall Shower Set 4021/4023 C.P	Each	147.00	16,279.50	Each	147.00	16,279.50	14.4 , 14.6, 14.7.21 , 14.8	
14-177-c	Providing and Fixing Best Quality Wall Shower Set 981/83 C.P	Each	147.00	33,730.09	Each	147.00	33,730.09	14.4 , 14.6, 14.7.21 , 14.8	
14-177-d	Providing and Fixing Best Quality Wall Shower Set 671/73 C.P	Each	147.00	35,587.11	Each	147.00	35,587.11	14.4 , 14.6, 14.7.21 , 14.8	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-01-a-01	Supply and Erection MS conduit pipe for wiring purpose comp. on surface including clamps etc: 1/2" i/d	Rft	17.64	48.13	m	57.87	157.89	15.2.3	
15-01-a-02	Supply and Erection MS conduit pipe for wiring purpose comp. On surface including clamps etc: 3/4" i/d	Rft	17.64	55.63	m	57.87	182.52	15.2.3	
15-01-a-03	Supply and Erection MS conduit pipe for wiring purpose comp. On surface including clamps etc: 1" i/d	Rft	17.64	67.92	m	57.87	222.84	15.2.3	
15-01-a-04	Supply and Erection MS conduit pipe for wiring purpose comp. On surface including clamps etc: 1.25" i/d	Rft	17.64	74.01	m	57.87	242.82	15.2.3	
15-01-a-05	Supply and Erection MS conduit pipe for wiring purpose comp. On surface including clamps etc: 1.5" i/d	Rft	17.64	81.07	m	57.87	265.97	15.2.3	
15-01-a-06	Supply and Erection MS conduit pipe for wiring purpose comp. On surface including clamps etc: 2" i/d	Rft	17.64	101.14	m	57.87	331.81	15.2.3	
15-01-b-01	Supply and Erection MS conduit pipe for wiring purpose comp. Recessed in walls including chase etc : 1/2" i/d	Rft	44.10	103.04	m	144.69	338.05	15.2.3	
15-01-b-02	Supply and Erection MS conduit pipe for wiring purpose comp. Recessed in walls including chase etc : 3/4" i/d	Rft	44.10	111.27	m	144.69	365.05	15.2.3	
15-01-b-03	Supply and Erection MS conduit pipe for wiring purpose comp. Recessed in walls including chase etc : 1" i/d	Rft	44.10	124.68	m	144.69	409.04	15.2.3	
15-01-b-04	Supply and Erection MS conduit pipe for wiring purpose comp. Recessed in walls including chase etc : 1.25" i/d	Rft	44.10	131.88	m	144.69	432.68	15.2.3	
15-01-b-05	Supply and Erection MS conduit pipe for wiring purpose comp. Recessed in walls including chase etc : 1.5" i/d	Rft	44.10	145.51	m	144.69	477.40	15.2.3	
15-01-b-06	Supply and Erection MS conduit pipe for wiring purpose comp. Recessed in walls including chase etc : 2" i/d	Rft	44.10	169.92	m	144.69	557.47	15.2.3	
15-02-a-01	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 1/2" i/d	Rft	8.82	26.46	m	28.94	86.81	15.2.4	
15-02-a-02	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 3/4" i/d	Rft	8.82	31.51	m	28.94	103.37	15.2.4	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-02-a-03	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 1" i/d	Rft	8.82	36.63	m	28.94	120.16	15.2.4	
15-02-a-04	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 1.25" i/d	Rft	13.23	47.29	m	43.41	155.16	15.2.4	
15-02-a-05	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 1.5" i/d	Rft	17.64	55.60	m	57.87	182.41	15.2.4	
15-02-a-06	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 2" i/d	Rft	11.76	57.65	m	38.58	189.14	15.2.4	
15-02-a-07	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 3" i/d	Rft	13.23	67.19	m	43.41	220.45	15.2.4	
15-02-a-08	Supply and Erection PVC pipe for wiring purpose complete On surface including clamps etc: 4" i/d	Rft	17.64	94.31	m	57.87	309.40	15.2.4	
15-02-b-01	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 1/2" i/d	Rft	26.46	53.62	m	86.81	175.93	15.2.4	
15-02-b-02	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 3/4" i/d	Rft	26.46	68.84	m	86.81	225.85	15.2.4	
15-02-b-03	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 1" i/d	Rft	26.46	69.03	m	86.81	226.47	15.2.4	
15-02-b-04	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 1.25" i/d	Rft	26.46	90.41	m	86.81	296.62	15.2.4	
15-02-b-05	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 1.5" i/d	Rft	35.28	105.58	m	115.75	346.39	15.2.4	
15-02-b-06	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 2" i/d	Rft	44.10	108.90	m	144.69	357.28	15.2.4	
15-02-b-07	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 3" i/d	Rft	54.39	132.03	m	178.44	433.17	15.2.4	
15-02-b-08	Supply and Erection PVC pipe for wiring purpose complete Recessed in walls including chase etc : 4" i/d	Rft	67.62	176.77	m	221.85	579.96	15.2.4	
15-03-a	Supply and Erection GI flexible pipe for wiring purpose complete 1/2" i/d	Rft	10.11	60.15	m	33.16	197.34	15.2.5	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-03-b	Supply and Erection GI flexible pipe for wiring purpose complete 3/4" i/d	Rft	10.11	54.65	m	33.16	179.31	15.2.5	
15-03-c	Supply and Erection GI flexible pipe for wiring purpose complete 1" i/d	Rft	17.27	69.32	m	56.67	227.41	15.2.5	
15-03-d	Supply and Erection GI flexible pipe for wiring purpose complete 1.25" i/d	Rft	18.74	81.47	m	61.49	267.28	15.2.5	
15-03-e	Supply and Erection GI flexible pipe for wiring purpose complete 1.5" i/d	Rft	18.74	92.31	m	61.49	302.87	15.2.5	
15-03-f	Supply and Erection GI flexible pipe for wiring purpose complete 2" i/d	Rft	30.14	124.19	m	98.87	407.46	15.2.5	
15-03-g	Supply and Erection GI flexible pipe for wiring purpose complete 3" i/d	Rft	31.60	174.72	m	103.69	573.24	15.2.5	
15-04-a	Supply and Erection Sahl wood strip batten for wiring complete 1/2"	Rft	4.41	10.88	m	14.47	35.69	15.2.6	
15-04-b	Supply and Erection Sahl wood strip batten for wiring complete 3/4"	Rft	4.41	12.07	m	14.47	39.61	15.2.6	
15-04-c	Supply and Erection Sahl wood strip batten for wiring complete 1"	Rft	4.41	21.63	m	14.47	70.97	15.2.6	
15-05-a	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 3/0.029" 1/2" i/d	Rft	5.88	14.26	m	19.29	46.77	15.3.1	
15-05-b	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 3/0.036"	Rft	5.88	22.11	m	19.29	72.53	15.3.1	
15-05-c	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.029"	Rft	5.88	24.09	m	19.29	79.04	15.3.1	
15-05-d	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.036"	Rft	5.88	29.19	m	19.29	95.78	15.3.1	
15-05-e	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.044"	Rft	14.70	48.95	m	48.23	160.59	15.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-05-f	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.064"	Rft	22.05	110.21	m	72.34	361.57	15.3.1	
15-05-g	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 19/0.064"	Rft	36.75	255.32	m	120.57	837.65	15.3.1	
15-06-a	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 3/0.029"	Rft	10.29	18.31	m	33.76	60.07	15.3.1	
15-06-b	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 3/0.036"	Rft	10.29	20.85	m	33.76	68.42	15.3.1	
15-06-c	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 7/0.029"	Rft	11.76	29.61	m	38.58	97.16	15.3.1	
15-06-d	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 7/0.036"	Rft	11.76	34.70	m	38.58	113.86	15.3.1	
15-06-e	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 7/0.044"	Rft	19.11	53.36	m	62.70	175.06	15.3.1	
15-06-f	Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable : 7/0.064"	Rft	29.40	118.28	m	96.46	388.07	15.3.1	
15-07-a	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 7/0.064"	Rft	29.40	102.26	m	96.46	335.50	15.3.1	
15-07-b	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.052"	Rft	49.98	208.45	m	163.98	683.89	15.3.1	
15-07-c	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.064"	Rft	49.98	268.55	m	163.98	881.05	15.3.1	
15-07-d	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 19/0.083"	Rft	73.50	419.57	m	241.14	1,376.55	15.3.1	
15-07-e	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 37/0.072"	Rft	183.75	635.46	m	602.85	2,084.84	15.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-07-f	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 37/0.083"	Rft	183.75	766.61	m	602.85	2,515.13	15.3.1	
15-07-g	Supply and Erection single core PVC insulated & sheathed copper conductor, 660/1100V cable : 37/0.103"	Rft	183.75	1,036.18	m	602.85	3,399.54	15.3.1	
15-08-a	Supply and Erection twin core PVC insulated & sheathed copper conductor 250/440 V grade cable : 3/0.029"	Rft	7.35	38.31	m	24.11	125.70	15.3.1	
15-08-b	Supply and Erection twin core PVC insulated & sheathed copper conductor 250/440 V grade cable : 3/0.036"	Rft	7.35	51.80	m	24.11	169.96	15.3.1	
15-08-c	Supply and Erection twin core PVC insulated & sheathed copper conductor 250/440 V grade cable : 7/0.029"	Rft	10.29	54.74	m	33.76	179.61	15.3.1	
15-08-d	Supply and Erection twin core PVC insulated & sheathed copper conductor 250/440 V grade cable : 7/0.036"	Rft	10.29	67.85	m	33.76	222.62	15.3.1	
15-08-e	Supply and Erection twin core PVC insulated & sheathed copper conductor 250/440 V grade cable : 7/0.044"	Rft	10.29	91.90	m	33.76	301.50	15.3.1	
15-08-f	Supply and Erection twin core PVC insulated & sheathed copper conductor 250/440 V grade cable : 7/0.064"	Rft	10.29	207.75	m	33.76	681.60	15.3.1	
15-09-a	Supply and Erection MS sheet box of 16 SWG, 4" deep with 3/16" thick bakelite sheet top etc. complete : 4"x4"	Each	110.25	182.73	Each	110.25	182.73	15.3.1, 15.3.2	
15-09-b	Supply and Erection MS sheet box of 16 SWG, 4" deep with 3/16" thick bakelite sheet top etc. complete : 7"x4"	Each	147.00	243.91	Each	147.00	243.91	15.3.1, 15.3.2	
15-09-c	Supply and Erection MS sheet box of 16 SWG, 4" deep with 3/16" thick bakelite sheet top etc. complete : 9"x4"	Each	183.75	296.32	Each	183.75	296.32	15.3.1, 15.3.2	
15-09-d	Supply and Erection MS sheet box of 16 SWG, 4" deep with 3/16" thick bakelite sheet top etc. complete : 8"x10"	Each	220.50	403.10	Each	220.50	403.10	15.3.1, 15.3.2	
15-09-e	Supply and Erection MS sheet box of 16 SWG, 4" deep with 3/16" thick bakelite sheet top etc. complete : 10"x12"	Each	264.60	478.56	Each	264.60	478.56	15.3.1, 15.3.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-09-f	Supply and Erection MS sheet box of 16 SWG, 4" deep with 3/16" thick bakelite sheet top etc. complete : 12"x14"	Each	308.70	526.43	Each	308.70	526.43	15.3.1, 15.3.2	
15-10-a	Supply and Erection Sahl wood board, 1.75" deep : 3"x3" dia	Rft	22.05	60.29	m	72.34	197.80	15.3.1, 15.3.2	
15-10-b	Supply and Erection Sahl wood board, 1.75" deep : 4"x4"	Each	66.15	116.34	Each	66.15	116.34	15.3.1, 15.3.2	
15-10-c	Supply and Erection Sahl wood board, 1.75" deep : 7"x4"	Each	66.15	128.29	Each	66.15	128.29	15.3.1, 15.3.2	
15-10-d	Supply and Erection Sahl wood board, 1.75" deep : 8"x10"	Each	66.15	140.24	Each	66.15	140.24	15.3.1, 15.3.2	
15-10-e	Supply and Erection Sahl wood board, 1.75" deep : 10"x12"	Each	73.50	171.49	Each	73.50	171.49	15.3.1, 15.3.2	
15-10-f	Supply and Erection Sahl wood board, 1.75" deep : 12"x14"	Each	73.50	219.29	Each	73.50	219.29	15.3.1, 15.3.2	
15-11-a-01	Supply and Erection of iron/aluminium clad, 500V main switch Double pole : 15/20 Amp.	Each	147.00	668.82	Each	147.00	668.82	15.4.1, 15.4.5	
15-11-a-02	Supply and Erection of iron/aluminium clad, 500V main switch Double pole : 30/35 Amp	Each	147.00	943.67	Each	147.00	943.67	15.4.1, 15.4.5	
15-11-a-03	Supply and Erection iron/aluminium clad 500 volts main switch Double Pole : 60/65 Amp	Each	220.50	1,495.17	Each	220.50	1,495.17	15.4.1, 15.4.5	
15-11-a-04	Supply and Erection iron/aluminium clad 500 volts main switch Double Pole : 100 Amp	Each	220.50	3,964.83	Each	220.50	3,964.83	15.4.1, 15.4.5	
15-11-b-01	Supply and Erection of iron/aluminium clad, 500V main switch Triple pole with neutral link : 15/20 Amp.	Each	294.00	1,090.67	Each	294.00	1,090.67	15.4.1, 15.4.5	
15-11-b-02	Supply and Erection of iron/aluminium clad, 500V main switch Triple pole with neutral link : 30/35 Amp.	Each	294.00	1,210.17	Each	294.00	1,210.17	15.4.1, 15.4.5	
15-11-b-03	Supply and Erection of iron/aluminium clad, 500V main switch Triple pole with neutral link : 60/65 Amp.	Each	367.50	2,677.83	Each	367.50	2,677.83	15.4.1, 15.4.5	
15-11-b-04	Supply and Erection of iron/aluminium clad, 500V main switch Triple pole with neutral link : 100 Amp.	Each	367.50	4,908.50	Each	367.50	4,908.50	15.4.1, 15.4.5	
15-11-b-05	Supply & Erection of 200 Amp Main switch	Each	367.50	9,927.50	Each	367.50	9,927.50	15.4.5	
15-11-b-06	Supply & Erection of Change over switch 100 Amp	Each	294.00	12,244.00	Each	294.00	12,244.00	15.4.5	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-11-b-07	Supply & Erection of Change over switch 200 Amp	Each	294.00	24,194.00	Each	294.00	24,194.00	15.4.5	
15-11-b-08	Supply & Erection of Change over switch 600 Amp	Each	294.00	36,144.00	Each	294.00	36,144.00	15.4.5	
15-11-b-09	Supply & Erection of Change over switch 500 Amp	Each	294.00	33,754.00	Each	294.00	33,754.00	15.4.5	
15-11-b-10	Supply & Erection of 600 Amp main switch	Each	294.00	30,169.00	Each	294.00	30,169.00	15.4.5	
15-11-b-11	Supply & Erection of 400 Amp main switch	Each	294.00	24,194.00	Each	294.00	24,194.00	15.4.5	
15-11-b-12	Supply & Erection of 300 Amp main switch	Each	294.00	18,219.00	Each	294.00	18,219.00	15.4.5	
15-12-a	Supply and Erection or iron/aluminium clad, 500V main switch with triple pole, complete : 60 Amp.	Each	367.50	3,355.00	Each	367.50	3,355.00	15.4.1, 15.4.5	
15-12-b	Supply and Erection or iron/aluminium clad, 500V main switch with triple pole, complete : 100 Amp.	Each	367.50	3,653.75	Each	367.50	3,653.75	15.4.1, 15.4.5	
15-12-c	Supply and Erection or iron/aluminium clad, 500V main switch with triple pole, complete : 200 Amp.	Each	294.00	5,671.50	Each	294.00	5,671.50	15.4.1, 15.4.5	
15-12-d	Supply and Erection or iron/aluminium clad, 500V main switch with triple pole, complete : 300 Amp.	Each	294.00	7,284.75	Each	294.00	7,284.75	15.4.1, 15.4.5	
15-12-e	Supply and Erection or iron/aluminium clad, 500V main switch with triple pole, complete : 500 Amp.	Each	294.00	12,244.00	Each	294.00	12,244.00	15.4.1, 15.4.5	
15-12-f	Supply & Erection of Brass Bar 5000 Amp	Each	36.75	11,986.75	Each	36.75	11,986.75	15.4.25	
15-12-g	Supply & Erection of Brass Bar 3000 Amp	Each	36.75	9,596.75	Each	36.75	9,596.75	15.4.25	
15-13	Supply and Erection plain pendent lamp holder, complete with bakelite lamp holder & flexible twin wire of 2m	Each	14.70	646.59	Each	14.70	646.59	15.4.15	
15-14	Supply and Erection 9" long swan neck plain brass/steel/brass oxidised bracket lamp holder, complete	Each	27.93	75.73	Each	27.93	75.73	15.4.15	
15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector, flexible wire & brass holder	Each	58.80	273.90	Each	58.80	273.90	15.4.15	
15-16	Supply and Erection call bell 220/250V, fixed on Sahl wood board 7"x4"	Each	36.75	144.97	Each	36.75	144.97	15.4.1	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-17	Supply and Erection bell push or bed switch, with 5m. twin flexible wire 23/0.0076"	Each	10.29	254.74	Each	10.29	254.74	15.4.1	
15-18-a	Supply and Erection switches 10/15 Amp : Open type	Each	22.05	60.29	Each	22.05	60.29	15.4.1, 15.4.5	
15-18-b	Supply and Erection switches 10/15 Amp : Recessed type	Each	22.05	120.04	Each	22.05	120.04	15.4.1, 15.4.5	
15-19-a	Supply and Erection 3 pin 10/15 Amp. wall socket : Open type	Each	36.75	80.96	Each	36.75	80.96	15.4.1, 15.4.5	
15-19-b	Supply and Erection 3 pin 10/15 Amp. wall socket : Recessed	Each	36.75	146.69	Each	36.75	146.69	15.4.1	
15-20-a	Supply and Erection 3 pin switch & plug combined recessed type : 5 Amp	Each	36.75	576.89	Each	36.75	576.89	15.4.1, 15.4.5	
15-20-b	Supply and Erection 3 pin switch & plug combined recessed type : 10/15 Amp	Each	36.75	636.64	Each	36.75	636.64	15.4.1, 15.4.5	
15-21	Supply and Erection 3 pin 10/15 Amp. wall socket with shoe open type	Each	36.75	636.64	Each	36.75	636.64	15.4.1, 15.4.5	
15-22-a	Supply and Erection button holder/angle holder Bakelite large size	Each	19.11	69.30	Each	19.11	69.30	15.4.1, 15.4.5	
15-22-b	Supply and Erection button holder/angle holder Brass	Each	19.11	164.90	Each	19.11	164.90	15.4.1	
15-23-a	Supply and Erection porcelain fuses with plastic sheet base on angle iron board : 10/15 Amp.	Each	36.75	156.25	Each	36.75	156.25	15.4.2	
15-23-b	Supply and Erection porcelain fuses with plastic sheet base on angle iron board : 30 Amp.	Each	36.75	216.00	Each	36.75	216.00	15.4.2	
15-23-c	Supply and Erection porcelain fuses with plastic sheet base on angle iron board : 60 Amp.	Each	36.75	550.60	Each	36.75	550.60	15.4.2	
15-23-d	Supply and Erection porcelain fuses with plastic sheet base on angle iron board 100 Amp.	Each	36.75	1,136.15	Each	36.75	1,136.15	15.4.2	
15-23-e	Supply and Erection porcelain fuses with plastic sheet base on angle iron board : 200 Amp.	Each	36.75	1,255.65	Each	36.75	1,255.65	15.4.2	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-24-a	Supply and Erection tube light, including rod, choke etc complete Double rod (2x40 watts) with 2 chokes & 2 starters	Set	147.00	2,154.60	Set	147.00	2,154.60	15.6.4	
15-24-b	Supply and Erection tube light, including rod, choke etc complete Single rod (40 watts) with 1 choke & 1 starter	Set	110.25	1,472.55	Set	110.25	1,472.55	15.6.4	
15-24-c	Supply and Erection tube light, including rod, choke etc complete Round tube (32 watt) 1 choke + 1 starter w/o cover	Each	80.85	1,269.88	Each	80.85	1,269.88	15.6.4	
15-25	Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans	Each	36.75	323.55	Each	36.75	323.55	15.5.1	
15-26-a	Supply and Erection circuit breaker (imported) on sahl wood board complete : 2/5/15 Amp.	Each	110.25	883.18	Each	110.25	883.18		
15-26-b	Supply and Erection circuit breaker (imported) on sahl wood board complete : 20/25/30 Amp.	Each	110.25	695.80	Each	110.25	695.80		
15-27	Supply and Erection stay for house service pipe, erected with straining screws and 7/14 SWG stay wire	Rft	13.23	324.53	m	43.41	1,064.72	15.2.10	
15-28-a	Supply and Erection of house service pipe Henley or pole, type 2" dia. erected to install insulated wire etc	Rft	17.64	255.48	m	57.87	838.17	15.6.6	
15-29	Supply and Erection shackle/pin insulator, medium size	Each	36.75	224.96	Each	36.75	224.96	15.9.1	
15-30	Supply and Erection bare copper conductor wire, No. 2 to 16 SWG, including GI binding wire No. 16 SWG	kg	19.11	960.06	kg	19.11	960.06	15.4.25	
15-31	Supply and Erection GI wire of sizes, including binding wire No. 16 SWG for support of rubber wire, pole to pole	kg	19.11	198.36	kg	19.11	198.36	15.2.10	
15-32-a	Wiring overhead line in 2 single core, PVC insulated cable with GI wire #8 SWG : 3/0.029"	Rft	10.29	70.78	m	33.76	232.22	15.2.10, 15.3.1	
15-32-b	Wiring overhead line in 2 single core, PVC insulated cable with GI wire #8 SWG : 7/0.029"	Rft	10.29	90.45	m	33.76	296.75	15.2.10, 15.3.1	
15-32-c	Wiring overhead line in 2 single core, PVC insulated cable with GI wire #8 SWG : 7/0.036"	Rft	10.29	100.66	m	33.76	330.24	15.2.10, 15.3.1	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-32-d	Wiring overhead line in 2 single core, PVC insulated cable with GI wire #8 SWG : 7/0.044"	Rft	10.29	122.52	m	33.76	401.98	15.2.10, 15.3.1	
15-33	Supply and Erection street light pole bracket 1.25" GI pipe 2m. long, complete with 2 pole clamps	Each	330.75	855.06	Each	330.75	855.06	15.5.6	
15-34	Supply and Fixing dust & weather proof street light fitting with reflector, 400W mercury vapour lamp etc comp.	Each	588.00	2,500.00	Each	588.00	2,500.00	15.6.1	
15-35-a	Supply and Erection pole mounted street light complete for fitting 125/250 W mercury lamp : GEC make	Each	588.00	2,292.07	Each	588.00	2,292.07	15.6.1	
15-35-b	Supply and Erection pole mounted street light complete for fitting 125/250 W mercury lamp	Each	588.00	4,412.00	Each	588.00	4,412.00	15.6.1	
15-35-c	Supply & erection of Road Light fixture with 250 watts Son lamp, ballast and ignitor	No	313.91	28,762.29	No	313.91	28,762.29	15.6.5	
15-35-g	Providing and laying of cable route marker cast iron for all sort of Road Light, Street Lights & Boundary Wall lights complete in all respects with all installation material complete	Each	367.50	1,204.00	Each	367.50	1,204.00	15.3.1.5	
15-36-a	Supply and Fixing 125 W mercury vapour lamp with choke	Each	147.00	2,357.75	Each	147.00	2,357.75	15.6.1	
15-36-b	Supply and Fixing 250 W mercury vapour lamp with choke	Each	147.00	3,493.00	Each	147.00	3,493.00	15.6.1	
15-36-c	Supply and Fixing 400 W mercury vapour lamp with choke	Each	147.00	5,225.75	Each	147.00	5,225.75	15.6.1	
15-36-d	Supply and Fixing of Road Light fixture IP 66 with 250 watts Son lamp, ballast and ignitor	Each	735.00	17,465.00	Each	735.00	17,465.00	15.6.1	
15-36-e	Supply and Fixing SMD Type LED Road light Fixture (120-130 watts)	Each	735.00	29,415.00	Each	735.00	29,415.00	15.6.1	
15-36-f	Supply and Fixing SMD Type LED Road light Fixture (90-100 watts)	Each	735.00	24,635.00	Each	735.00	24,635.00	15.6.1	
15-36-g	Supply and Fixing SMD Type LED Road light Fixture (60-70 watts)	Each	735.00	14,836.00	Each	735.00	14,836.00	15.6.1	
15-36-h	Supply at site, installation and commissioning of Road light fixture LED 72 Watt with 72 Watt LED lamp of approved equivalent including cost of all necessary accessories, complete in all respects	No	313.91	68,137.54	No	313.91	68,137.54		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-36-i-1	Supply, installation, testing and commissioning of 2x28 Watt fluorescent light fixture, ceiling, recessed, wall mounted made of MS body 22 SWG degreased and derusted with white enameled non yellowing paint. Complete with internal wiring, Grounding terminal , complete in all respects.	Each	44.10	2,314.60	Each	44.10	2,314.60		
15-36-i-2	Supply, installation, testing and commissioning of 1x28 Watt fluorescent light fixture, ceiling, recessed, wall mounted made of MS body 22 SWG degreased and derusted with white enameled non yellowing paint. Complete with internal wiring, Grounding terminal , complete in all respects.	Each	44.10	2,075.60	Each	44.10	2,075.60		
15-36-i-3	Supply, installation, testing and commissioning of 2x28 Watt fluorescent light fixture with T5 lamps & electronic ballast, ceiling, recessed, wall mounted made of MS body 22 SWG degreased and derusted with white enameled non yellowing paint. Complete with internal wiring, Grounding terminal , complete in all respects.	Each	44.10	6,019.10	Each	44.10	6,019.10		
15-36-i-4	Supply, installation, testing and commissioning of 1x36 watt fluorescent light fittings, ceiling, recessed, wall mounted made of MS body 22 SWG degreased and derusted with white enameled non yellowing paint. Complete with internal wiring, Grounding terminal , complete in all respects.	Each	44.10	2,553.60	Each	44.10	2,553.60		
15-36-i-5	Supply, installation, testing and commissioning of following light fittings, 1x18 Watt Impact Resistant Lamp fixture with Compact Fluorescent lamp, complete in all respects.	Each	44.10	2,792.60	Each	44.10	2,792.60		
15-36-i-6	Supply, installation, testing and commissioning of IP-44 rated, 2x3 Watt up/down light LED Light, complete in all respects.	Each	44.10	15,101.10	Each	44.10	15,101.10		
15-36-i-7	Supply, installation, testing and commissioning of 1x23 Watt, E-27 base, wall bracket light, complete in all respects.	Each	44.10	4,465.60	Each	44.10	4,465.60		
15-36-i-8	Supply, installation, testing and commissioning of 2x20 Watt "LED" DC emergency spot light with 3hr backup, complete in all respects.	Each	44.10	10,082.10	Each	44.10	10,082.10		
15-36-i-9	Supply, installation, testing and commissioning of 1x10 Watt fluorescent exit light	Each	44.10	32,309.10	Each	44.10	32,309.10		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-36-i-10	Supply, installation, testing and commissioning of 1x6 Watt LED BULKHEAD light fixture, of best quality.	Each	44.10	6,019.10	Each	44.10	6,019.10		
15-36-i-11	Supply, installation, testing and commissioning of 1x160 Watt, Highbay LED light , complete in all respects.	Each	44.10	59,794.10	Each	44.10	59,794.10		
15-36-i-12	Supply, installation, testing and commissioning of 3 chip SMD Strip IP-65 rated, complete with 12DC drive LED color as per approval of the Engineer	No	44.10	6,019.10	No	44.10	6,019.10		
15-36-i-13	Supply, installation, testing and commissioning of High Purity Aluminum Spinning Reflector Vertical lamp Installation Recessed down light with CFL (1 X 13) watt Energy saver	Each	44.10	820.85	Each	44.10	820.85		
15-36-i-14	Supply, installation, testing and commissioning of Recessed Down Light with CFL (1 X 13) watt Energy saver and Convex Frosted Lens IP 54, complete in all respects. .	Each	44.10	1,059.85	Each	44.10	1,059.85		
15-36-i-15	Supply, installation, testing and commissioning of recessed Light of best quality with CFL (13-17 watt) Energy saver and with Glass Reflector	Each	44.10	1,776.85	Each	44.10	1,776.85		
15-36-i-16	Supply, installation, testing and commissioning of Cylindrical Incandescent Up/Down wall light with Die-cast Aluminium construction Glass Diffuser ceramic Lampholder IP -44 With (2 x 100) watt ES Par 30 lamp	Each	44.10	940.35	Each	44.10	940.35		
15-36-i-17	Supply, installation of outdoor Waterproof Light with 23 watt CFL with Glass Reflector and with 1 Meter G.I pipe Support, complete in all respects.	Each	44.10	1,047.90	Each	44.10	1,047.90		
15-36-i-18	Supply, installation, testing and commissioning of 1x5 watt reflector surface mounted LED light fixture with frosted lens, complete with driver	Each	44.10	5,302.10	Each	44.10	5,302.10		
15-36-j-1	Supply, installation, & connecting up of light Fixture type 'D' surface mounted fluorescent batten fitting (TMS-015/236) with 2 x 36W TLD lamp, complete in all respects	No	183.75	1,617.75	No	183.75	1,617.75		
15-36-j-2	Supply, installation, & connecting up of light Fixture type 'D' surface mounted fluorescent batten fitting (. TMS-015/236) with 1 x 36W TLD lamp complete in all respects	No	183.75	2,334.75	No	183.75	2,334.75		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-36-j-3	Supply, installation, & connecting up of light Fixture type 'E' surface mounted fluorescent batten fitting (TMS-012/136) with 1 x 36W TLD farm, complete in all respects	No	183.75	1,856.75	No	183.75	1,856.75		
15-36-j-4	Supply, installation, & connecting up of Industrial reflector 2 x 36W complete in all respects	No	183.75	1,976.25	No	183.75	1,976.25		
15-36-j-5	Supply, installation, & connecting up of light fixture High performance luminaire with M2 reflector 1 x 36W, complete in all respects	No	183.75	2,693.25	No	183.75	2,693.25		
15-36-j-6	Supply, installation, & connecting up of light fixture High performance luminaire with M2 reflector 2 x 36W, complete in all respects	No	183.75	3,529.75	No	183.75	3,529.75		
15-36-j-7	Supply, installation, & connecting up of light fixture High performance luminaire with M6 reflector 2 x 36W, complete in all respects	No	183.75	4,007.75	No	183.75	4,007.75		
15-36-j-8	Supply, installation, & connecting up of light Fixture type T surface mounted fluorescent fitting with 1 x 18W TLD lamp, complete in all respects	No	183.75	1,617.75	No	183.75	1,617.75		
15-36-j-9	Supply, installation, & connecting up of light Fixture type T surface mounted fluorescent fitting with 2 x 18W TLD lamp, complete in all respects	No	183.75	2,095.75	No	183.75	2,095.75		
15-36-j-10	Supply, installation, & connecting up of light fixture TBS-088/236 Recessed Luminaires, with IP 20, complete in all respects	No	183.75	4,246.75	No	183.75	4,246.75		
15-36-j-11	Supply, installation, & connecting up of light fixture TBS-088/418 Recessed Luminaires, with IP 20, complete in all respects	No	183.75	4,246.75	No	183.75	4,246.75		
15-36-j-12	Supply, installation, connecting, testing & commissioning of 10W LED Down Light Fixture suitable for 1300 lux, as per instruction of Engineer, surface mounted circular shape or equivalent.	No	183.75	3,350.50	No	183.75	3,350.50		
15-36-k-01	Supply, installation, connecting, testing and commissioning of Surface mounting LED tube light with 2x2000 lumens, complete in all respects	No	183.75	7,114.75	No	183.75	7,114.75		
15-36-k-02	Supply, installation, connecting, testing and commissioning of Surface mounting LED tube light with 1x2000 lumens output and fixture, complete in all respects	No	183.75	4,007.75	No	183.75	4,007.75		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-36-k-03	Supply, installation, connecting, testing and commissioning of Wall mounted Bulkhead light fixtures with LED retrofit lamp 540 Lumens output, complete in all respects	No	183.75	4,313.67	No	183.75	4,313.67		
15-36-k-04	Supply & erection of down light fixture cylindrical type aluminium reflection with lamp suitable for 1300 Lux, ceiling mounted	Each	183.75	3,051.75	Each	183.75	3,051.75		
15-36-l-01	Supply & Erection of candle flood light 150 watt complete in all aspects	Each	36.75	5,414.25	Each	36.75	5,414.25		
15-36-l-02	Supply & Erection of Candle bulb 60 watt(Pin/Screw typo)	Each	36.75	1,470.75	Each	36.75	1,470.75		
15-36-l-03	Supply & Erection of Choke 125 watt	Each	36.75	335.50	Each	36.75	335.50		
15-36-l-04	Supply & Erection of choko 20/40 watt	Each	36.75	335.50	Each	36.75	335.50		
15-36-l-05	Supply & Erection of Halogen rod 500 watt	Each	36.75	108.45	Each	36.75	108.45		
15-36-l-06	Supply & Erection of tube rod 4' long 40 watt	Each	36.75	168.20	Each	36.75	168.20		
15-36-l-07	Supply & Erection of Tube rod 2' long 20 watt	Each	36.75	132.35	Each	36.75	132.35		
15-36-l-08	Supply & Erection of 15 Watt Incandesent bulb	Each	5.88	29.78	Each	5.88	29.78		
15-36-l-09	Supply & Erection of emergency light	Each	29.40	985.40	Each	29.40	985.40		
15-36-m-01	Supply & Erection of 400-watt choke	Each	36.75	992.75	Each	36.75	992.75		
15-36-m-02	Supply & Erection of Spot light 120 /150 watt complete in all aspects	Each	36.75	1,709.75	Each	36.75	1,709.75		
15-36-m-03	Supply & Erection of CFL 18 Watt	Each	36.75	216.00	Each	36.75	216.00		
15-36-m-04	Supply & Erection of CFL 23 Watt	Each	36.75	323.55	Each	36.75	323.55		
15-36-m-05	Supply & Erection of CFL 25 Watt	Each	36.75	371.35	Each	36.75	371.35		
15-36-m-06	Supply & Erection of CFL 45 Watt	Each	36.75	574.50	Each	36.75	574.50		
15-36-n	Supply & Erection of 150 watt Choke	Each	29.40	1,702.40	Each	29.40	1,702.40		
15-36-o	Supply & Erection of Light Head cover for street light	Each	183.75	602.00	Each	183.75	602.00		
15-37	Supply and Fixing mercury sodium lamp 360 Sunlux 400 W complete with choke	Each	147.00	4,210.00	Each	147.00	4,210.00	15.6.1	
15-38	Supply and Fixing mercury blended lamp 160 W with choke	Each	147.00	565.25	Each	147.00	565.25	15.6.1	
15-39	Supply and Erection MS angle lattice structure pole 36' long 14"sq at base & 8"sq. at top for elec. Distribution	Each	8,820.00	24,355.00	Each	8,820.00	24,355.00	15.6.7	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-40-a-01	Supply and Fixing GI tubular street light pole, 8' of 5" dia, 7' 4" dia, 5' of 3" dia, Single arm of 5' of 1.5" dia	Each	2,572.50	19,661.00	Each	2,572.50	19,661.00	15.6.6	
15-40-a-02	Supply and Fixing GI tubular street light pole, 8' of 5" dia, 7' 4" dia, 5' of 3" dia, Double arm of 5' of 1.5" dia	Each	2,572.50	29,221.00	Each	2,572.50	29,221.00	15.6.6	
15-40-b-01	Supply and Fixing GI tubular street light pole, 8' of 4" dia, 7' 3" dia, 5' of 2" dia, Single arm of 5' of 1.5" dia	Each	2,205.00	16,903.50	Each	2,205.00	16,903.50	15.6.6	
15-40-b-02	Supply and Fixing GI tubular street light pole, 8' of 4" dia, 7' 3" dia, 5' of 2" dia, Double arm of 5' of 1.5" dia	Each	2,205.00	26,463.50	Each	2,205.00	26,463.50	15.6.6	
15-40-b-03	Providing street light poles of 40 ft height without arms including fixing complete.	Each	407.31	56,491.99	Each	407.31	56,491.99	15.6.6, 15.7.4	
15-41	Earthing of iron clad/aluminium switches etc with GI wire #8 SWG in GI pipe 0.5" dia	Job	2,940.00	7,044.51	Job	2,940.00	7,044.50	15.6.6	
15-42-a	Supply and Erection 2'x2'x1/8" copper plate including riveting to copper tape & placing in mixture of salt and charcoal etc	Each	735.00	9,721.40	Each	735.00	9,721.40	15.13.2	
15-42-b	Manhole For LT Cable Pulling	Each	367.50	1,562.50	Each	367.50	1,562.50		
15-42-c	Supply and Erection of Test clamp	Each	29.40	806.15	Each	29.40	806.15		
15-42-d	Supply and Erection of Fixing Clips	Each	29.40	579.10	Each	29.40	579.10		
15-42-e	Supply, Installation, Testing and Commissioning of Air terminal or arrester	Each	367.50	12,556.50	Each	367.50	12,556.50	15.14.4	
15-42-f	Supply and Erection of T tape clamps and square tape clamps	Each	29.40	364.00	Each	29.40	364.00		
15-43-a	Supply and Erection copper tape, including copper staple & copper nails/Screw etc : Size 1.5"x1/8"	Rft	10.29	368.84	m	33.76	1,210.10	15.13.2	
15-43-b	Supply and Erection copper tape, including copper staple & copper nails etc : Size 2"x1/8"	Rft	10.29	344.96	m	33.76	1,131.76	15.13.2	
15-44	Supply and Erection 1" dia & 1m long lightening conductor copper rod with 5 spikes ball & base etc.	Rft	1,837.50	4,825.00	m	6,028.54	15,830.05		
15-45	Wiring of light/fan/call-bell point in 3/0.029" PVC insulated & sheathed cable on sahl wood strip	Each	44.10	843.67	Each	44.10	843.67	15.3.1	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	44.10	640.08	Each	44.10	640.08	15.3.1	
15-47-a	Wiring of main & sub-main in 2 single core PVC insulated & sheathed cable : 3/0.029"	Rft	8.82	76.85	m	28.94	252.12	15.3.1	
15-47-b	Wiring of main & sub-main in 2 single core PVC insulated & sheathed cable : 7/0.029"	Rft	8.82	103.83	m	28.94	340.64	15.3.1	
15-47-c	Wiring of main & sub-main in 2 single core PVC insulated & sheathed cable : 7/0.044"	Rft	14.70	185.21	m	48.23	607.64	15.3.1	
15-47-d	Wiring of main & sub-main in 2 single core PVC insulated & sheathed cable : 7/0.064"	Rft	26.46	428.80	m	86.81	1,406.84	15.3.1	
15-48-a	Wiring of sub main/earthing in 1 single core PVC insulated & sheathed cable : 3/0.029"	Rft	5.88	20.48	m	19.29	67.20	15.3.1	
15-48-b	Wiring of sub main/earthing in 1 single core PVC insulated & sheathed cable : 7/0.029"	Rft	5.88	30.32	m	19.29	99.47	15.3.1	
15-48-c	Wiring of sub main/earthing in 1 single core PVC insulated & sheathed cable : 7/0.044"	Rft	5.88	47.55	m	19.29	156.00	15.3.1	
15-48-d	Wiring of sub main/earthing in 1 single core PVC insulated & sheathed cable : 7/0.064"	Rft	10.29	105.87	m	33.76	347.33	15.3.1	
15-49	Wiring of light point in 3/0.029" PVC insulated sheathed cable on sahl wood strip batten with two Nos. of two way switches	Each	70.56	1,821.23	Each	70.56	1,821.23	15.3.1	
15-50	Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed	Each	66.15	1,088.31	Each	66.15	1,088.31	15.3.1	
15-51	Wiring of 2/3-pin 5-Amp. plug point in 3/0.029" PVC insulated bare cable in PVC pipe recessed	Each	32.34	528.67	Each	32.34	528.67	15.3.1	
15-52	Wiring of light point in 3/0.029" PVC insulated bare cable in PVC pipe recessed in wall comp.	Each	99.96	2,036.96	Each	99.96	2,036.96	15.3.1	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-53	Special earthing of iron/metal clad switches etc with copper wire No. 8 SWG in GI pipe 1/2" dia	Each	1,176.00	15,997.96	Each	1,176.00	15,997.96	15.3.2	
15-54-a	Supply and Erection enclosed switch of bakelite DP 15/30 Amp. fixed on wooden board complete	Each	73.50	259.72	Each	73.50	259.72	15.4.5	
15-54-b	Supply & Erection of 5 Amp Piano type switch (PPI)	Each	29.40	71.22	Each	29.40	71.22	15.5.4	
15-54-c	Supply & Erection of 15 Amp Multi plug	Each	14.70	98.35	Each	14.70	98.35	15.4.5	
15-54-d	Supply & Erection of 5 Amp PPI plug	Each	14.70	50.55	Each	14.70	50.55	15.4.4	
15-54-e	Supply & Erection of 5 Amp PPI switch	Each	14.70	50.55	Each	14.70	50.55	15.4.5	
15-54-f	Supply & Erection of 15 Amp Power Plug 3-Pin	Each	14.70	253.70	Each	14.70	253.70	15.4.5	
15-55-a	Supply and erection of fancy wall type bracket with brass holder & fancy shade : Single	Each	58.80	1,253.80	Each	58.80	1,253.80	15.6.3	
15-55-b	Supply and erection of fancy wall type bracket with brass holder & fancy shade : Double	Each	58.80	3,643.80	Each	58.80	3,643.80	15.6.3	
15-56-a	Supply and Erection white round globe with holder, gallery & 100 Watt bulb complete : 6" dia.	Each	73.50	288.60	Each	73.50	288.60	15.6.3	
15-56-b	Supply and Erection white round globe with holder, gallery & 100 Watt bulb complete : 8" dia.	Each	73.50	348.35	Each	73.50	348.35	15.6.3	
15-56-c	Supply and Erection white round globe with holder, gallery & 100 Watt bulb complete : 10" dia.	Each	73.50	408.10	Each	73.50	408.10	15.6.3	
15-57-a	Supply and Erection white flat globe with holder, gallery & 100 W bulb complete : 8" dia	Each	73.50	706.85	Each	73.50	706.85	15.6.3	
15-57-b	Supply and Erection white flat globe with holder, gallery & 100 W bulb complete : 10" dia	Each	73.50	408.10	Each	73.50	408.10	15.6.3	
15-57-c	Supply and Erection white flat globe with holder, gallery & 100 W bulb complete : 12" dia	Each	73.50	1,125.10	Each	73.50	1,125.10	15.6.3	
15-58	Supply and Erection white round globe 6" dia with angle type bakelite gallery, holder & 60-W bulb complete	Each	73.50	282.63	Each	73.50	282.63	15.6.3	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-59	Supply and Erection 1' long strip light fitting comp. with cover of opalescent perspex in plain finish 10-Watt	Each	73.50	372.25	Each	73.50	372.25	15.6.1	
15-60	Supply and Erection double fluorescent tube light fitting 2 No. 4' long, 40-W with 2 chokes & starters complete	Each	183.75	2,454.25	Each	183.75	2,454.25	15.6.1	
15-61-a	Supply and Erection fluorescent tube light fitting including 4' rod, choke, starter, flexible wire etc : Single	Each	147.00	1,760.25	Each	147.00	1,760.25	15.6.1	
15-61-b	Supply and Erection fluorescent tube light fitting including 4' rod, choke, starter, flexible wire etc : Double	Each	147.00	1,342.00	Each	147.00	1,342.00	15.6.1	
15-62	Supply and Erection porch-light fitting round/square type with gallery, holder & 40 W bulb	Each	110.25	767.50	Each	110.25	767.50	15.6.1	
15-63-a	Supply and Erection gate-light fitting complete with holder & 160-Watt mercury blended lamp: Small	Each	147.00	875.95	Each	147.00	875.95	15.6.1	
15-63-b	Supply and Erection gate-light fitting complete with holder & 160-Watt mercury blended lamp: Medium	Each	147.00	875.95	Each	147.00	875.95	15.6.1	
15-63-c	Supply and Erection gate-light fitting complete with holder & 160-Watt mercury blended lamp: Large	Each	147.00	875.95	Each	147.00	875.95	15.6.1	
15-64-a	Supply and Erection garden-light fitting with holder and 160 W mercury blended lamp & choke : 18" dia	Each	367.50	737.95	Each	367.50	737.95	15.6.1	
15-64-b	Supply and Erection garden-light fitting with holder and 160 W mercury blended lamp & choke : 19" dia	Each	367.50	797.70	Each	367.50	797.70	15.6.1	
15-64-c	Supply and Erection garden-light fitting with holder and 160 W mercury blended lamp & choke : 22" dia	Each	367.50	857.45	Each	367.50	857.45	15.6.1	
15-65-a	Supply and Erection garden-light fitting with porcelain holder 125 W mercury vapour lamp & choke : 18" dia	Each	367.50	3,761.30	Each	367.50	3,761.30	15.6.1	
15-65-b	Supply and Erection garden-light fitting with porcelain holder 125 W mercury vapour lamp & choke : 19" dia	Each	367.50	3,032.35	Each	367.50	3,032.35	15.6.1	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-65-c	Supply and Erection garden-light fitting with porcelain holder 125 W mercury vapour lamp & choke : 22" dia	Each	367.50	5,972.05	Each	367.50	5,972.05	15.6.1	
15-65-d	Supply & erection of Garden light fixture with LED 25-30 watts	Each	44.10	17,757.59	Each	44.10	17,757.59	15.6.3 , 15.6.4	
15-66-a	Supply and Erection flood-light fitting with holder, complete 14" dia with 500-W lamp	Each	367.50	1,466.90	Each	367.50	1,466.90	15.6.1	
15-66-b	Supply and Erection flood-light fitting with holder, complete 19" dia with 1000-W lamp	Each	367.50	2,422.90	Each	367.50	2,422.90	15.6.1	
15-67	Making hole in wall with necessary masonry work for exhaust fan any size complete	Each	220.50	220.50	Each	220.50	220.50	15.13.1	
15-68-a	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 36" sweep	Each	183.75	3,458.05	Each	183.75	3,458.05	15.5.1	
15-68-b	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 48" sweep	Each	183.75	4,246.75	Each	183.75	4,246.75	15.5.1	
15-68-c	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep	Each	183.75	4,366.25	Each	183.75	4,366.25	15.5.1	
15-68-d	Supply & Erection of 24" Pedestal fan complete in all aspects	Each	0.00	4,182.50	Each	0.00	4,182.50		
15-68-e	Supply, installation, testing & commissioning of Direct axial Wall Bracket fan	Each	91.88	5,349.88	Each	91.88	5,349.88	15.5.2	
15-68-f	Supply, installation, testing & commissioning of Direct axial Wall Bracket fan	Each	91.88	8,456.88	Each	91.88	8,456.88	15.5.2	
15-69-a	Supply and Erection best quality exhaust fan complete with shutter & regulator : 12"sweep	Each	147.00	2,417.50	Each	147.00	2,417.50	15.5.3	
15-69-b	Supply and Erection best quality exhaust fan complete with shutter & regulator : 16"sweep	Each	147.00	3,213.37	Each	147.00	3,213.37	15.5.3	
15-69-c	Supply and Erection best quality exhaust fan complete with shutter & regulator : 18"sweep	Each	147.00	4,818.25	Each	147.00	4,818.25	15.5.3	
15-69-d	Supply & Erection of Exhaust fan(round) upto 6" dia (imported)	Each	91.88	1,764.88	Each	91.88	1,764.88	15.5.3	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-70-a	Supply and Erection transpower auto circuit breaker 3-phase, 400V fungus moisture proofing : 30 Amp.	Each	588.00	3,456.00	Each	588.00	3,456.00	15.7.12	
15-70-b	Supply and Erection transpower auto circuit breaker 3-phase, 400V fungus moisture proofing : 60 Amp.	Each	588.00	4,053.50	Each	588.00	4,053.50	15.7.12	
15-70-c	Supply and Erection transpower auto circuit breaker 3-phase, 400V fungus moisture proofing : 100 Amp.	Each	698.25	8,107.25	Each	698.25	8,107.25	15.7.12	
15-71-a	Supply and Erection single phase imported auto circuit breaker 6 Amp.	Each	110.25	648.00	Each	110.25	648.00	15.7.12	
15-71-b	Supply and Erection single phase imported auto circuit breaker 15 Amp.	Each	110.25	648.00	Each	110.25	648.00	15.7.12	
15-71-c	Supply and Erection single phase imported auto circuit breaker 20 Amp.	Each	110.25	934.80	Each	110.25	934.80	15.7.12	
15-71-d	Supply and Erection single phase imported auto circuit breaker 30 Amp.	Each	110.25	934.80	Each	110.25	934.80	15.7.12	
15-72-a	Supply and Erection of bus bars for 500 volts 3 phase AC S/W 4 copper bars 40 Amp with bar size 1 1/2" X 1/8"	Each	1,470.00	8,759.50	Each	1,470.00	8,759.50	15.14.5	
15-72-b	Supply and Erection of bus bars 500 volts 3 phase AC supply with 4 copper bars - 100 Amp with bar size 1 1/2" X 1/8"	Each	1,470.00	8,789.38	Each	1,470.00	8,789.38	15.14.5	
15-72-c	Supply and Erection of bus bars 500 volts 3 phase AC supply with 4 copper bars - 200 Amp with bar size 2"X 1/8"	Each	2,572.50	9,891.88	Each	2,572.50	9,891.88	15.14.5	
15-72-d	Supply and Erection of bus bars 500 volts 3 phase AC supply with 4 copper bars - 300 Amp with bar size 2" X 3/16"	Each	3,123.75	10,502.88	Each	3,123.75	10,502.88	15.14.5	
15-72-e	Supply and Erection of bus bars 500 volts 3 phase AC supply with 4 copper bars - 500 Amp with size 2" X 1/4"	Each	3,675.00	11,801.00	Each	3,675.00	11,801.00	15.4.5	
15-72-f	Supply & erection of Nut & Bolt (2"x5/8")	Each	21.66	212.86	Each	21.66	212.86		
15-72-g	Supply & erection of Nut & Bolt 8" or 9"x5/8"	Each	21.66	214.05	Each	21.66	214.05		
15-72-h	Supply & erection of Nut & Bolt 10"x5/8"	Each	21.66	235.56	Each	21.66	235.56		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-72-i	Supply & erection of galvanized J-bolts	Each	58.80	1,449.78	Each	58.80	1,449.78		
15-73-a	Supply and Erection of bracket of channel 3" X 1 1/2" X 1/4" section 2' long for 2 lines	Each	58.80	362.93	Each	58.80	362.93	15.8.11	
15-73-b	Supply and Erection of bracket of MS channel 3" X 1 1/2" X 1/4" Section:- 4' long for 4 lines	Each	58.80	607.90	Each	58.80	607.90	15.8.11	
15-74	Supply and Erection of anchor rod honley type for poles i/e clamps & 7/13 SWG stay wire straining screws PCC 1:3:6	Each	11.02	118.10	Each	11.02	118.10	15.2.10	
15-75-a	Supply and Erection cubical type factory fabricated floor/wall mounting steel main board comp. : On surface	Each	367.50	2,796.94	Each	367.50	2,796.94		
15-75-b	Supply and Erection cubical type factory fabricated floor/wall mounting steel main board comp. : Recessed	Each	367.50	2,796.94	Each	367.50	2,796.94		
15-76-a	Fluorescent tube lights fitting 2.5x2.5 feet square type suitable for fixing in recess or direct on complete with 4 Nos 2 ft 20 watts tubes, chokes, starters, holders complete in all respects in steel body.	Each	367.50	2,638.00	Each	367.50	2,638.00		
15-76-b	Supply and Fixing of fluorescent tube fitting rectangular box types housing made of 22 SWG stave enameled steel sheet having spring load inner frame attachment with acrylic or polythene complete with 2 No 4 ft 40 watts	Each	367.50	965.00	Each	367.50	965.00		
15-77-a	Supply and Fixing electric AC exhaust/fresh air circulation(double way) 220/230 single phase plastic frame body and blade complete 8"x8"	Each	514.50	3,153.66	Each	514.50	3,153.66	15.5.3	
15-77-b	Supply and Fixing electric AC exhaust/fresh air circulation(double way) 220/230 single phase plastic frame body and blade complete 10"x10"	Each	514.50	3,438.07	Each	514.50	3,438.07	15.5.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-77-c	Supply and fixing electric AC exhaust/fresh air circulation(Double way) 220/230 single phase plastic frame body and blade complete 12"x12"	Each	191.10	3,363.71	Each	191.10	3,363.71	15.5.3	
15-77-d	Supply, installation, testing & commissioning of Exhaust Fan 10" dia with plastic body, fan blades and louvers, complete in all respects	Each	44.10	3,102.10	Each	44.10	3,102.10	15.5.3	
15-77-e	Supply, installation, testing & commissioning of Exhaust Fan 18" dia with plastic body, fan blades and louvers, complete in all respects	Each	91.88	4,763.27	Each	91.88	4,763.27	15.5.3	
15-78	Supply and Fixing of 18" dia Direct axial Wall Bracket fan,1450Rpm, Max 50db sound level Fan shall be made with 99% purity Copper windings	Each	91.88	5,349.88	Each	91.88	5,349.88	15.5.2	
15-79-a	Supply and Fixing PVC conduit for surface wiring (dura duct) 1/2" including all charges for nail screws etc	Rft	13.23	22.79	m	43.41	74.77		
15-79-b	Supply and Fixing PVC conduit for surface wiring (dura duct) 1" including all charges for nail screws etc	Rft	13.23	31.15	m	43.41	102.21		
15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Rft	13.23	43.10	m	43.41	141.42		
15-79-d	PVC conduit for surface wiring (dura duct) 2" including all charges for nail screws etc complete	Rft	13.23	72.98	m	43.41	239.44		
15-79-e	Supply and Erection PVC duct for wiring purpose complete Recessed in walls including chase etc. : 3"x3" I/d	RMtr	26.46	1,052.02	RMtr	26.46	1,052.02	15.2.4	
15-79-f	Supply and Erection PVC duct for wiring purpose complete Recessed in walls including chase etc. : 4"x4" I/d	RMtr	26.46	1,350.77	RMtr	26.46	1,350.77	15.2.4	
15-80	Supply and Fixing dimmer switch complete	Each	58.80	238.05	Each	58.80	238.05	15.4.7	
15-81	Supply and Fixing 20 Amp power plug	Each	29.40	268.40	Each	29.40	268.40	15.4.6	
15-82	Supply and Fixing porcelain power plug 30 Amp	Each	147.00	684.75	Each	147.00	684.75	15.4.6	
15-83	Supply and fixing light plug 10 Amp	Each	29.40	208.65	Each	29.40	208.65	15.4.6	
15-84	Supply and fitting of capacitor 2.2 uf for ceiling fans	Each	73.50	140.42	Each	73.50	140.42	15.6.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-85	Supply and fitting of ball bearing of size 6201, 6202 or 6203 for ceiling fans	Each	92.61	355.51	Each	92.61	355.51		
15-86	Supply and erection of cut out, bakelite open type	Each	16.17	54.21	Each	16.17	54.21		
15-87	Supply and erection of cut out bakelite Recessed type cut out	Each	16.17	164.35	Each	16.17	164.35		
15-88	Supply and erection of kit kat 500 volts 15/20 Amp	Each	26.46	97.37	Each	26.46	97.37		
15-89	Supply and erection of kit kat 500 volts 30/35 Amp	Each	29.40	155.28	Each	29.40	155.28		
15-90	Supply and erection of kit kat 500 volts 60/65 Amp	Each	42.63	303.54	Each	42.63	303.54		
15-91	Supply and erection of kit kat 500 volts 100 Amp	Each	50.72	562.58	Each	50.72	562.58		
15-92	Supply and erection of kit kat 500 volts 200 Amp	Each	59.53	852.22	Each	59.53	852.22		
15-93	Supply and erection of kit kat 500 volts 300 Amp	Each	59.53	619.20	Each	59.53	619.20		
15-94	Supply and erection of kit kat 500 volts 400 Amp	Each	73.50	651.09	Each	73.50	651.09		
15-95-a	Providing & Fixing Generator 2.2 KVA Petrol driven of best quality	Each	1,255.63	103,368.38	Each	1,255.63	103,368.40		
15-95-b	Providing & Fixing Generator , 2.2 KVA Petrol-cum-Gas driven	Each	1,255.63	104,145.13	Each	1,255.63	104,145.10		
15-95-c	Providing & Fixing Generator, 3.1 KVA Petrol-cum-Gas driven.	Each	1,255.63	120,875.13	Each	1,255.63	120,875.10		
15-95-d	Providing & Fixing Generator , 3.1 KVA Petrol driven.	Each	1,255.63	120,098.38	Each	1,255.63	120,098.40		
15-96-a	Supply & erection of HT pole 36' High (Spun Type)	No	828.71	34,869.70	No	828.71	34,869.70	15.6.6	
15-96-b	Supply & erection of LT pole 31' High (Spun Type)	No	828.71	26,975.53	No	828.71	26,975.53	15.6.6	
15-97-a	Supply & erection of HT pole 36' High(H-Type)	No	828.71	30,496.00	No	828.71	30,496.00	15.6.6	
15-97-b	Supply & erection LT Pole 31' High (H-Type)	No	828.71	22,839.63	No	828.71	22,839.63	15.6.6	
15-98-a	Supply & stringing of ACSR Osprey Conductor	Rft	25.11	550.91	m	82.39	1,807.46		
15-98-b	Supply & stringing of ACSR Dog Conductor	Rft	25.11	243.80	m	82.39	799.86		
15-98-c	Supply & stringing of ACSR Rabbit Conductor (7/0.132")	Rft	25.11	136.25	m	82.39	447.01		
15-98-d	Supply & stringing of AAC Wasp Conductor (7/0.173")	Rft	25.11	206.75	m	82.39	678.32		
15-98-e	Supply & stringing of AAC Ant Conductor (7/0.122")	Rft	25.11	115.93	m	82.39	380.36		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-99-a	Supply & erection of 11 KV Disc Insulator	Each	91.88	3,073.40	Each	91.88	3,073.40		
15-99-b	Supply & erection of 11 KV Pin Insulator	Each	91.88	1,343.04	Each	91.88	1,343.04		
15-99-c	Supply & erection of 11 KV pin for Steel-x-arm	Each	91.88	737.17	Each	91.88	737.17		
15-99-d	Supply & erection of Spool Insulator	Each	44.10	205.43	Each	44.10	205.43		
15-100-a	Supply & erection of 25 KVA, 11/0.4 KV Transformer	No	2,511.25	207,759.89	No	2,511.25	207,759.91		
15-100-b	Supply & erection of 50 KVA, 11/0.4 KV Transformer	No	2,511.25	339,209.88	No	2,511.25	339,209.91		
15-100-c	Supply & erection of 100 KVA, 11/0.4 KV Transformer	No	2,511.25	458,709.88	No	2,511.25	458,709.91		
15-100-d	Supply & erection of 200 KVA, 11/0.4 KV Transformer	No	2,511.25	1,032,802.25	No	2,511.25	1,032,802.0		
15-101-a	Supply & erection of Steel-X-Arm with braces	Each	44.10	9,503.72	Each	44.10	9,503.72		
15-101-b	Supply & erection of Steel-x-Arm / D-Fitting	Each	44.10	8,400.74	Each	44.10	8,400.74		
15-102	Supply & erection of Stay set Complete	Each	44.10	1,803.14	Each	44.10	1,803.14	15.2.10	
15-103	Supply & erection of Stay Wire	Kg	44.10	223.35	Kg	44.10	223.35	15.2.10	
15-104	Supply & erection of Eye Nut	Each	44.10	240.08	Each	44.10	240.08		
15-105-a	Supply & erection of Earth Rod	Each	444.06	1,652.21	Each	444.06	1,652.21	15.11.6	
15-105-b	Supply & erection of Earthing wire GSL 6 mm	Kg	65.08	190.55	Kg	65.08	190.55	15.12.1	
15-105-c	Drilling of earth bore 3" dia 70 to 80 ft. deep or up to permanent water table, back filling, ramming, complete in all respect. grounding bores shall be made at 6 to 8 feet away from foundation and distance between earth bore shall not be less than 10 feet	Each	1,041.25	10,601.25	Each	1,041.25	10,601.25	15.12.1	
15-105-d	Supply at site, hoisting and installation of Single Arm Pole	Each	1,255.63	57,129.26	Each	1,255.63	57,129.26	15.6.6	
15-105-e	Supply, Installation & Connecting up of earth electrodes with 600mm x 600mm x 3.2mm conductors to main earth bar including all accessories, in 50mm dia G.I. pipe / PVC pipe class D/E up inspection chamber, heavy duty C.I. Cover etc.	Job	29.40	41,854.40	Job	29.40	41,854.40		
15-105-f	Supply and erection of Grounding connecting points	Each	1,255.63	8,545.13	Each	1,255.63	8,545.13	15.18.8	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-105-g	Providing & fixing of main earth bar, with 80mm x50mm x.20mm copper bar with terminals, insulator supports, lugs, bolts, etc. including bonding to rebars of structure.	Job	29.40	29,904.40	Job	29.40	29,904.40		
15-105-h	Providing & fixing of Plate type Earthing compressed with execveted hole 6"up 63 feet,GI pipe 2"(50mm)with Tees , Sockets , Endcap of 60 (RFT) Copper Plate of 1/2"x 2"x 48", 2x 70mmsq S/Core copper bare conductor 125 (Rft) Earth Connection Point of 1200 x 50 x 50mm (L x W x T) Inspection Pit of 300 x 300 x 450 mm (L x W x D) completed with all respect	Job	29.40	122,516.90	Job	29.40	122,516.90		
15-105-i	Construction of water tight brick type Grounding inspection pit.	Each	627.81	5,407.81	Each	627.81	5,407.81		
15-106	Supply, installation, testing & commissioning of Lightning Protection System	Each	2,511.25	33,581.25	Each	2,511.25	33,581.25	15.18.8	
15-107	Supply, installation, testing & commissioning of Lightning Protection System	Each	5,022.50	112,572.50	Each	5,022.50	112,572.50	15.18.8	
15-108	Supply & erection of double Arming Bolt	Each	183.75	900.75	Each	183.75	900.75		
15-109	Supply & erection of D-Bracket along with cotter pin	Each	61.30	599.05	Each	61.30	599.05		
15-110-a	Supply & erection of double pole platform for transformers	Each	1,255.63	16,499.26	Each	1,255.63	16,499.26		
15-110-b	Supply & erection of Single pole platform for transformers	Each	1,255.63	14,254.94	Each	1,255.63	14,254.94		
15-111	Supply & erection of drop out cutouts	Each	367.50	10,525.00	Each	367.50	10,525.00		
15-112-a	Supply & erection of dead end clamp	Each	183.75	960.50	Each	183.75	960.50		
15-112-b	Supply & erection of dead end clamp	Each	183.75	542.25	Each	183.75	542.25		
15-112-c	Supply & erection of dead end clamp	Each	183.75	542.25	Each	183.75	542.25		
15-113-a	Supply & erection of PG Connector	Each	91.88	510.13	Each	91.88	510.13		
15-113-b	Supply & erection of PG Connector	Each	91.88	283.08	Each	91.88	283.08		
15-113-c	Supply & erection of PG Connector	Each	91.88	265.15	Each	91.88	265.15		
15-114-a	Supply & erection of Loop dead end clamp	Each	44.10	205.43	Each	44.10	205.43		
15-114-b	Supply & erection of Loop dead end clamp	Each	44.10	193.48	Each	44.10	193.48		



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-115-a	Supply & erection of double arm GI round conical pole, hot dipped galvanized (80 microns) 12 meters long overall thickness 4 mm, base dia 180 mm and top dia 62 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	3,766.88	68,005.51	Each	3,766.88	68,005.51		
15-115-b	Supply & erection of Single arm GI round conical pole, hot dipped galvanized (80 microns) 12 meters long overall thickness 4 mm, base dia 180 mm and top dia 62 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	3,766.88	66,810.51	Each	3,766.88	66,810.51		
15-115-c	Supply & erection of Double arm GI round conical pole, hot dipped galvanized (80 microns) 10 meters long overall thickness 4 mm, base dia 180 mm and top dia 62 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	3,766.88	65,615.51	Each	3,766.88	65,615.51		
15-115-e	Supply & erection of Double arm GI round conical pole, hot dipped galvanized (80 microns) 12 meters long overall thickness 5 mm, base dia 200 mm and top dia 100 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	3,766.88	79,955.51	Each	3,766.88	79,955.51		
15-115-f	Supply & erection of Single arm GI round conical pole, hot dipped galvanized (microns) 10 meters long overall thickness 5 mm, base dia 200 mm and top dia 100 with plate arrangement 450mm x 450mm x 25mm, complete in all respects.	Each	3,766.88	63,225.51	Each	3,766.88	63,225.51		
15-116	Supply & erection of Timer TB 438	Each	183.75	13,328.75	Each	183.75	13,328.75		
15-117	Supply & erection of Magnetic contactor	Each	183.75	5,307.91	Each	183.75	5,307.91		
15-118	Providing and laying pipe at a depth of 2-1/2'	Rft	367.50	1,085.69	m	1,205.71	3,561.99		
15-119	Supply & erection of 2" PVC pipe flexible (weather proof)	m	44.10	493.42	Meter	44.10	493.42		
15-120	Supply & erection of weather proof flexible PVC pipe 1.5" dia	Each	29.40	292.30	Each	29.40	292.30		
15-121	Supply & erection of DIN rail	Rft	14.70	262.07	m	48.23	859.79		



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-122-a	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	44.10	587.83	RMtr	44.10	587.83	15.18.8	
15-122-b	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	88.20	967.72	RMtr	88.20	967.72	15.18.8	
15-122-c	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	117.60	1,283.92	RMtr	117.60	1,283.92	15.18.8	
15-122-d	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	132.30	1,925.99	RMtr	132.30	1,925.99	15.18.1	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-122-e	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in pre-laid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	176.40	2,506.65	RMtr	176.40	2,506.65	15.18.1	
15-122-f	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in pre-laid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	191.10	3,417.60	RMtr	191.10	3,417.60	15.18.1	
15-122-g	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in pre-laid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	735.00	5,494.69	RMtr	735.00	5,494.69	15.18.1	
15-122-h	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in pre-laid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	1,102.50	9,428.07	RMtr	1,102.50	9,428.07	15.18.1	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-122-i	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	1,470.00	11,269.00	RMtr	1,470.00	11,269.00	15.18.1	
15-122-j	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	1,470.00	13,181.00	RMtr	1,470.00	13,181.00	15.18.1	
15-122-k	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	RMtr	1,837.50	22,152.50	RMtr	1,837.50	22,152.50	15.18.1	
15-123-a	Supply & erection of 3 Core Cable PVC/PVC '3 core 2.5 sqmm Cu/PVC/PVC	Rft	10.29	87.97	m	33.76	288.60	15.18.8	
15-123-b	Supply & erection of 3 CORE FLXIBLE POWER CABLE 1.5 mm2	Rft	10.29	81.99	m	33.76	269.00	15.18.8	
15-124-a	Supply & erection of 2x10 mm2 Copper Cable	m	11.76	474.23	Meter	11.76	474.23	15.18.8	
15-124-b	Supply & erection of 2 core 1.5mmsq Fire Resistant cable	m	10.29	231.37	Meter	10.29	231.37	15.18.8	
15-125	Supply & erection of Flexible Copper Cable 1x4 mm2	RMtr	10.29	128.60	RMtr	10.29	128.60	15.18.8	



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Chapter #: 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-126-a	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	m	44.10	561.01	Meter	44.10	561.01	15.18.1	
15-126-b	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	m	88.20	914.47	Meter	88.20	914.47	15.18.1	
15-126-c	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	m	132.30	1,771.97	Meter	132.30	1,771.97	15.18.1	
15-126-d	Supply at site, installation, testing and commissioning of PVC insulated un-armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects.	m	367.50	3,380.68	Meter	367.50	3,380.68	15.18.1	
15-126-e	Supply and installation of four core copper conductor PVC/PVC power cable (BS6400,BS6346,BS7629) in appropriate size of GI cable tray and PVC conduit surface mounted completed in all respect.	Meter	367.50	6,199.10	Meter	367.50	6,199.10	15.4.5, 15.2.4 , 15.3.2.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-127-a	Supply at site, installation, testing and commissioning of the One gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	29.40	734.45	Each	29.40	734.45	15.4.5	
15-127-b	Supply at site, installation, testing and commissioning of Two gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	29.40	830.05	Each	29.40	830.05	15.4.5	
15-127-c	Supply at site, installation, testing and commissioning of Three gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	44.10	641.60	Each	44.10	641.60	15.4.5	
15-127-d	Supply at site, installation, testing and commissioning of Four gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	44.10	892.55	Each	44.10	892.55	15.4.5	
15-127-e	Supply at site, installation, testing and commissioning of Five gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	58.80	975.66	Each	58.80	975.66	15.4.5	
15-127-f	Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	58.80	1,203.91	Each	58.80	1,203.91	15.4.5	
15-127-g	Supply at site, installation, testing and commissioning of the Eight gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	91.88	1,505.56	Each	91.88	1,505.56	15.4.5	
15-127-h	Supply at site, installation, testing and commissioning of One gang light control switches 10 Amps, 250Volts two way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	29.40	889.80	Each	29.40	889.80	15.4.5	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-127-i	Supply at site, installation, testing and commissioning of 2 & 3 pin switched socket unit 5/10 Amps, 250Volts, round pin including appropriate size MS, powder coated back box, complete in all respects.	Each	29.40	806.22	Each	29.40	806.22	15.4.5	
15-127-j	Supply at site, installation, testing and commissioning of 3 pin switched socket unit 13/15 Amps, 250Volts, round pin including appropriate size MS, powder coated back box, complete in all respects.	Each	44.10	1,203.37	Each	44.10	1,203.37	15.4.5	
15-127-k	Supply at site, installation, testing and commissioning of 3 pin switched socket unit 20 Amps, 250Volts, round pin including appropriate size MS, powder coated back box, complete in all respects.	Each	44.10	731.28	Each	44.10	731.28	15.4.5	
15-127-l	Supply at site, installation, testing and commissioning of Push Button 10 Amps, 250Volts, including appropriate size MS, powder coated back box, complete in all respects.	Each	44.10	1,815.63	Each	44.10	1,815.63	15.4.7	
15-127-m	Supply at site, installation, testing and commissioning of Fan Dimmer with switch/ MS, powder coated back box with all associated accessories, complete in all respects.	Each	44.10	940.35	Each	44.10	940.35	15.4.12	
15-127-n	Supply at site, installation, testing and commissioning of DP switch 20 Amps with neon indication lamp complete with MS, powder coated back box, complete in all respects.	Each	58.80	1,301.60	Each	58.80	1,301.60	15.4.12	
15-127-o	Supply at site, installation, testing and commissioning of Three Pin 220 V 05/10 Amp Switch socket, complete in all respects.	Each	58.80	596.55	Each	58.80	596.55	15.4.12	
15-127-p	Supply at site, installation, testing and commissioning of Three Pin 220 V 20 Amps Switch socket, complete in all respects.	Each	58.80	668.25	Each	58.80	668.25		
15-127-q	Supply at site, installation, testing and commissioning of Three Pin Universal Switch socket, complete in all respects.	Each	58.80	220.13	Each	58.80	220.13	15.4.6	
15-128-a	Supply and installation of Flush Face Plate One Way Switch 220V 10 Amps Switch, complete in all respects	Each	14.70	95.96	Each	14.70	95.96	15.4.5	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-128-b	Supply and installation of Flush Face Plate Two Way Switch 220V 10 Amps switch, complete in all respects	Each	14.70	118.67	Each	14.70	118.67	15.4.5	
15-129-a	Supply &. Installation of flush type switch (Single pole 220V 5 amps switch 1 way) manufactured by fixed over sheet including appropriate size outlet box of 16SWG black enameled MS sheet recessed in wall, column etc. complete in all respects	Each	29.40	256.45	Each	29.40	256.45	15.4.5	
15-129-b	Supply &. Installation of flush type switch (Single pole 220V 10 amps switch 2 way) manufactured by fixed over sheet including appropriate size outlet box of 16SWG black enameled MS sheet recessed in wall, column etc. complete in all respects	Each	29.40	232.55	Each	29.40	232.55	15.4.5	
15-129-c	Supply &. Installation of flush type switch (2-Pin 10 amps 220 V Switch Socket) manufactured by fixed over sheet including appropriate size outlet box of 16SWG black enameled MS sheet recessed in wall, column etc. complete in all respects	Each	29.40	298.27	Each	29.40	298.27	15.4.5	
15-130-a	Supply, installation, testing and commissioning of 2 core 1.5 Sqmm stranded copper conductor tin coated with drain PVC insulated wires 600/1000 V. grade, fire resistant, low smoke, zero halogen Cu conductor to be pulled in already installed 20mm dia. heavy duty PVC conduit recessed in wall, columns, slab, floor or above false ceiling with all necessary fixing accessories	Point	183.75	4,423.32	Point	183.75	4,423.32	15.18.8	
15-130-b	Supply, installation, testing and commissioning of Mixer Amplifier (240W); 6 MIC Input; complete in all respects.	Each	367.50	82,167.35	Each	367.50	82,167.35	15.16.3	
15-130-c	Supply, installation, testing and commissioning of Power Amplifier	Each	367.50	163,967.20	Each	367.50	163,967.20	15.16.3	
15-130-d	Supply and installation of plena easy line 120 Watt mixer amplifier	Each	735.00	54,510.00	Each	735.00	54,510.00		
15-130-e	Supply, installation, testing & commissioning of Back Ground Music Player	Each	735.00	76,860.70	Each	735.00	76,860.70		
15-130-f	Supply, installation, testing & commissioning of Goose Neck Microphone	Each	367.50	19,308.25	Each	367.50	19,308.25	15.16.4	
15-130-g	Supply, installation, testing & commissioning of Table Stand Microphone	Each	367.50	19,308.25	Each	367.50	19,308.25	15.16.4	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-130-h	Supply, installation, testing & commissioning of Cordless MIC with Receivers	Each	367.50	76,447.28	Each	367.50	76,447.28	15.16.4	
15-130-i	Supply, installation, testing & commissioning of Ceiling Mount Speakers	Each	183.75	2,473.38	Each	183.75	2,473.38	15.16.7	
15-130-j	Supply, installation, testing & commissioning of Wall Mount Speakers	Each	183.75	50,018.41	Each	183.75	50,018.41	15.16.7	
15-130-k	Supply, installation, testing & commissioning of Wall Mount Speakers	Each	183.75	6,051.65	Each	183.75	6,051.65	15.16.7	
15-130-l	Supply, installation, testing & commissioning of Column Loud Speakers	Each	183.75	22,554.15	Each	183.75	22,554.15	15.16.7	
15-130-m	Supplying, installation, wiring, connection of speaker cable 37/0.0076 flexible cable for Audio speaker and pre laid 3A" PVC conduit	m	4.41	88.06	Meter	4.41	88.06		
15-130-n	Supply, connecting, testing & commissioning of recessed mounting 8" dia Speaker having cylindrical shape 5W operating voltage 12V suitable for PA system, complete in all respects.	No	91.88	3,676.88	No	91.88	3,676.88	15.16.7	
15-131-a	Supply, testing and commissioning of 2 core 1.5mm. Sqmm stranded copper conductor tin coated with drain PVC insulated wires 600/1000 V. grade, fire resistant, LSZH Cu Conductor to be pulled in already installed 20mm dia. heavy duty PVC conduit recessed in wall, columns, slab, floor or above false ceiling with all necessary fixing accessories as per site conditions.	Point	627.81	5,973.02	Point	627.81	5,973.02	15.18.8	
15-131-b	Supply, installation, testing & commissioning of Analogue Addressable Manual Call Point / Pull Station with Base and Back Box with Key UL Listed complete in all respects.	Each	183.75	8,829.65	Each	183.75	8,829.65		
15-131-c	Supply, installation, testing & commissioning of Analogue Addressable Sounder with Flasher, 24 VDC, Mounting Base and with Base and Back Box with Key UL Listed complete in all respects.	Each	183.75	17,357.26	Each	183.75	17,357.26		
15-131-d	Supply, installation, testing & commissioning of Analogue Addressable Optical Smoke Detector with Base; 24 VDC; UL LISTED, low voltage, solid state, Not Radio Active type, uni-polar and dual chamber with LED alarm indication to be installed on RCC slab, complete in all respects.	Each	183.75	13,002.57	Each	183.75	13,002.57	15.17.4	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-131-e	Supply, installation, testing & commissioning of Addressable Heat Detector	Each	183.75	7,831.75	Each	183.75	7,831.75	15.17.4	
15-131-f	Supply, installation, testing & commissioning of Wall mounted Sounder complete in all respect .	Each	183.75	13,149.50	Each	183.75	13,149.50	15.16.7	
15-131-g	Supply, installation, testing & commissioning of Micro processor based Fire Alarm Control Panel, suppression consisting of loops and can address around 125points, indicating circuits, including 2x12V VDC Batteries, suppression zone built in power supply, including stand by battery, alarm and trouble indication, silence alarm and reset system, general alarm and reset system, general alarm facility, complete in all respects.	Each	183.75	314,505.53	Each	183.75	314,505.50	15.17.8	
15-131-h	Supply, installation, connecting, testing and commissioning of conventional type Fire Alarm Control Panel (FACP) having 2 zone conventional type	No	183.75	89,808.75	No	183.75	89,808.75		
15-132	Supply, installation, testing & commissioning of Beam Detector, TX-RX, 50 meter Range, complete in all respects.	Each	183.75	68,529.55	Each	183.75	68,529.55		
15-133	Supply, installation, testing & commissioning of input module	Each	183.75	12,628.74	Each	183.75	12,628.74	15.16.4 , 15.16.5	
15-134	Supply, installation, testing & commissioning of Manual call Point completed in all respect.	Each	183.75	8,250.00	Each	183.75	8,250.00		
15-135-a	Supply at site, fabrication and installation of GI perforated cable tray 14 SWG 8 ft. to 10 ft. long with sides 3" high to be installed on wall, or in vertical, or above false ceiling in horizontal position or floor mounted or as shown on drawing, including cost of hanging arrangement brackets made of angle iron 38mm x 38mm x 6mm installed at every 3 ft., cost of all necessary fixing accessories, complete in all respects.	Rft	313.91	3,326.66	m	1,029.88	10,914.23		



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-135-b	Supply at site, fabrication and installation of GI perforated cable tray 14 SWG 8 ft. to 10 ft. long with sides 3" high to be installed on wall, or in vertical, or above false ceiling in horizontal position or floor mounted or as shown on drawing, including cost of hanging arrangement brackets made of angle iron 38mm x 38mm x 6mm installed at every 3 ft., cost of all necessary fixing accessories, complete in all respects.	Rft	313.91	3,898.91	m	1,029.88	12,791.69		
15-135-c	Supply at site, fabrication and installation of GI perforated cable tray 14 SWG 8 ft. to 10 ft. long with sides 3" high to be installed on wall, or in vertical, or above false ceiling in horizontal position or floor mounted or as shown on drawing, including cost of hanging arrangement brackets made of angle iron 38mm x 38mm x 6mm installed at every 3 ft., cost of all necessary fixing accessories, complete in all respects.	Rft	313.91	2,572.92	m	1,029.88	8,441.35		
15-135-d	Supply at site, fabrication and installation of GI perforated cable tray 14 SWG 8 ft. to 10 ft. long with sides 3" high to be installed on wall, or in vertical, or above false ceiling in horizontal position or floor mounted or as shown on drawing, including cost of hanging arrangement brackets made of angle iron 38mm x 38mm x 6mm installed at every 3 ft., cost of all necessary fixing accessories, complete in all respects.	Rft	313.91	2,703.91	m	1,029.88	8,871.08		
15-135-e	Supply at site, fabrication and installation of GI perforated cable tray 14 SWG 8 ft. to 10 ft. long with sides 3" high to be installed on wall, or in vertical, or above false ceiling in horizontal position or floor mounted or as shown on drawing, including cost of hanging arrangement brackets made of angle iron 38mm x 38mm x 6mm installed at every 3 ft., cost of all necessary fixing accessories, complete in all respects.	Rft	313.91	1,855.64	m	1,029.88	6,088.04		



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-136-a	Supply at site, installation, testing and commissioning of Layer 3 (Core) Level Network Switch, Manageable for Data Rack, 24 Port Giga Ethernet (10/100/1000) with Copper & Fiber Uplink Ports Including Cost of 02 Nos 10 Giga SFP Modules(Support 02 Nos 1.0 Giga SFP Modules) having:min 4 combo Rj45/SFP ports supporting SX/LX/LH etc. min 4 SFP+ ports support SX/LX/LH etc, complete in all respects.	Job	4,410.00	345,934.03	Job	4,410.00	345,934.00		
15-136-b	Supply at site, installation, testing and commissioning of Layer 2 (Edge) Level Network Switch, Manageable for Data Rack, 24 Port Giga Ethernet (10/100/1000) with Copper & Fiber Uplink Ports (Support 04 Nos 1.0 Giga SFP Modules). 1.0 Gigabit uplink flexibility with Small Form-Factor Pluggable Plus (SFP+). 8 ports of Gigabit Ethernet for desktop connectivity, complete in all respects.	Each	7,533.75	84,361.44	Each	7,533.75	84,361.44		
15-136-c	Supply at site, installation, testing and commissioning of U/UTP, 4 pair Cat 6a (500 MHz) Network Cable supports (10 Giga) laid in PVC Conduit , with pure copper conductor PVC insulated PVC sheathed including cost of Single Shutter Face plate with UTP Cat-6a Keystone Jack with Back Box to be installed on walls, from Data Cabinet to Computer Points, PVC conduit & Cable tray. Complete in all respects.	Each	735.00	5,973.96	Each	735.00	5,973.96		
15-136-d	Supply and erection of Cable for Voice Communication System from communication rack to each work station / outlet in 25mm PVC conduit / channel as per drawing including termination, tagging at both ends, complete in all respects	Each	735.00	5,973.96	Each	735.00	5,973.96		
15-136-e	Supply, installation, testing and commissioning of Wireless Access Point (AP); 802.11 A/G/N; DUAL BAND, complete in all respects	Each	44.10	68,343.07	Each	44.10	68,343.07		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-136-f	Supply at site, installation, testing and commissioning of data cabinet of approximate size as mentioned below, powder coated, having lockable glass door at front, 4 exhaust fans on top, suitable for under mentioned patch panels, consisting of the following voice and data points to be terminated on modular patch panel, including cost of power bus bar, input / output RJ-45 connectors suitable for Cat. 6a cables patch guides, patch cords, both for Voice and Data, all necessary accessories / materials for active and passive equipment, 24 ports switch. The data cabinet shall be complete in all respects including cost of all necessary materials / accessories required for proper functioning for the data cabinet. Data cabinet shall be installed after obtaining necessary permission from the computer specialist of the Client.	Each	2,511.25	23,052.33	Each	2,511.25	23,052.33		
15-136-g	Supply at site, installation, testing and commissioning of data cabinet of approximate size as mentioned below, powder coated, having lockable glass door at front, 4 exhaust fans on top, suitable for under mentioned patch panels, consisting of the following voice and data points to be terminated on modular patch panel, including cost of power bus bar, input / output RJ-45 connectors suitable for Cat. 6a cables patch guides, patch cords, both for Voice and Data, all necessary accessories / materials for active and passive equipment, 24 ports switch. The data cabinet shall be complete in all respects including cost of all necessary materials / accessories required for proper functioning for the data cabinet. Data cabinet shall be installed after obtaining necessary permission from the computer specialist of the Client.	Each	2,511.25	113,563.14	Each	2,511.25	113,563.10		
15-136-h	Supply, Installation, testing and commissioning of 42 port DATA cabinet with 3 no's cabinet tray, 4 no's power socket and with flexi glass door	Each	1,470.00	61,220.00	Each	1,470.00	61,220.00		



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-136-i	Supply at site, installation, testing and commissioning of data cabinet of approximate size as mentioned below, powder coated, having lockable glass door at front, 4 exhaust fans on top, suitable for under mentioned patch panels, consisting of the following voice and data points to be terminated on modular patch panel, including cost of power bus bar, input / output RJ-45 connectors suitable for Cat. 6a cables patch guides, patch cords, both for Voice and Data, all necessary accessories / materials for active and passive equipment, 24 ports switch. The data cabinet shall be complete in all respects including cost of all necessary materials / accessories required for proper functioning for the data cabinet. Data cabinet shall be installed after obtaining necessary permission from the computer specialist of the Client.	Each	5,022.50	175,666.05	Each	5,022.50	175,666.00	15.20.4	
15-137-a	Supply and installation from computer outlet to 30 port patch panel with CAT-6 DATA cable run in PVC conduit and complete in all respects in walls including chase etc : 1.25" i/d	m	91.88	177.91	Meter	91.88	177.91		
15-137-b	Supply and installation, testing and commissioning of 30 port data patch panel surfaces mounted and complete in all respects	Each	1,470.00	22,980.00	Each	1,470.00	22,980.00		
15-137-c	Supply and installation of 30 ports 10/100-2 giga uplink ports data switch(CISCQ2960-24 TTL)	Each	4,410.00	82,085.00	Each	4,410.00	82,085.00		
15-138-a-01	Supply and Installation of 10-Pair Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects	Each	735.00	7,905.00	Each	735.00	7,905.00	15.2.3	
15-138-a-02	Supply and Installation of 25-Pair Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects	Each	735.00	18,660.00	Each	735.00	18,660.00	15.2.3	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-138-a-03	Supply and Installation of 50-Pair Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects	Each	1,470.00	27,760.00	Each	1,470.00	27,760.00	15.2.3	
15-138-a-04	Supply and Installation of 100-Pair Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects	Each	1,470.00	85,120.00	Each	1,470.00	85,120.00	15.2.3	
15-138-b	Supply and Installation of 500-Pair Telephone Junction Box with back mounting frame and connection strip Recessed in wall Type where shown on drawings, made of 16 SWG M.S. Sheet with hinged door. Completed in all respects	Each	1,470.00	150,845.00	Each	1,470.00	150,845.00	15.2.3	
15-138-c-01	Supply and Installation, testing and commissioning of 24-ports 10/100-2 giga uplink ports DATA switch completed in all respects	Each	1,470.00	24,772.50	Each	1,470.00	24,772.50		
15-138-c-02	Supply and Installation, testing and commissioning of 48-ports 10/100-2 giga uplink ports DATA switch, complete in all respects	Each	1,470.00	24,772.50	Each	1,470.00	24,772.50		
15-138-d	Supply, installation, connecting, testing and commissioning of 15 -Pair telephone cable complete in all respects	Rft	91.88	175.52	m	301.43	575.87		
15-138-e-01	Supply, Installation, testing and commissioning of Single Port Data outlet of 1 x RJ-45 I/Os for Cat-6 cable and with 16 SWG back box, complete in all respects	Each	14.70	612.20	Each	14.70	612.20	15.4.19	
15-138-e-02	Supply, Installation, testing and commissioning of Dual Port Data outlet of 1 x RJ-45 I/Os for Cat-6 cable and with 16 SWG back box completed in all respects	Each	14.70	671.95	Each	14.70	671.95	15.4.19	
15-138-f	Supply, Installation, testing and commissioning of Patch Cord CAT-6, 1m for computer complete in all respects	Each	46.01	679.36	Each	46.01	679.36		
15-138-g	Supply and Erection of 3M Cat-6 Cable in 3/4",1"pvc conduit, complete in all respect	Rft	14.70	199.93	m	48.23	655.92		
15-138-h	Supply at site, testing, installation & commissioning of 12 Port Cat-3 Telephone Patch Panel installed in Data Cabinet	Each	183.75	11,416.75	Each	183.75	11,416.75		



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-138-i	Supply and Installation of Single Port Telephone outlet of CAT-5,1 x RJ-45 I/Os and back box of 16 SWG, complete in all respects	Each	44.10	641.60	Each	44.10	641.60		
15-138-j	Supply and Installation of Double Port Telephone outlet of CAT-5,1 x RJ-45 I/Os and back box of 16 SWG, complete in all respects	Each	44.10	701.35	Each	44.10	701.35		
15-138-k-01	Supply installation, connection, testing and Commissioning of Telephone Exchange comprising 4 Trunk lines, 12 Digital Estentions, 200 Auto Dial Extention and attendant console with UPS builtin 16+ 34 Kx-Txa 600.	Each	10,290.00	488,290.00	Each	10,290.00	488,290.00		
15-138-k-02	Supply and Installation of Telephone Exchange with 16 Trunk and 300 Extensions with UPS Built-in 16+304 KX-TDA 600, Consol Set, CLI Card, UPS Cable with Batteries, complete in all respects	Each	25,112.50	1,548,737.50	Each	25,112.50	1,548,738.0		
15-138-l	Supply and Installation of DT 364 Consol Set complaeted with all respect	Each	1,470.00	27,162.50	Each	1,470.00	27,162.50	15.7.4	
15-138-m	Supply and Installation of KX-TDA 0193CLI Card for 16 Trunk complated with all respect	Each	1,470.00	52,018.50	Each	1,470.00	52,018.50		
15-138-n	Supply and Installation of SKX-A228UPS Cable with Batteries.Coplmlated wih all respect	Each	183.75	21,096.25	Each	183.75	21,096.25		
15-138-o	Supply, installation, connecting, testing and commissioning of Duplex telephone outlets F C C standard	No	91.88	868.63	No	91.88	868.63		
15-138-p	Supply, installation, connecting, testing and commissioning of Telephone distribution board having 1 x 1 5 cair termination block	No	91.88	5,110.88	No	91.88	5,110.88	15.7.4	
15-138-q	Supply, installation, connecting, testing and commissioning of PABX suitable for 4 line & 15 extension	No	2,940.00	116,465.00	No	2,940.00	116,465.00		
15-138-r	Providing & fixing 3 pair telephone cable (Pony make) in already installed conduit	Rft	2.94	44.76	m	9.65	146.87		
15-138-s-01	Supply & Erection of Telephone vrire 1 Pair	Yard	36.75	96.50	Yard	36.75	96.50		
15-138-s-02	Supply & Erection of Telephone vrire 2 Pair	Yard	36.75	156.25	Yard	36.75	156.25		
15-138-t	Providing fixing of telephone termination box including sheet steel back box, complete in all respects	Each	91.88	3,079.38	Each	91.88	3,079.38		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-138-u	Providing & fixing polycarbonate flame retardant digital telephone socket with lancy " lovory" gang plate fixed on die fabricate powder coated metal board recessed in wall or column including connecting	Each	91.88	868.63	Each	91.88	868.63		
15-138-v	Supply & Erection of telephone point with socket complete	Each	36.75	478.90	Each	36.75	478.90		
15-139-a	Supply and Installation of Outdoor True Day & Night Color Camera 1/3" CCD, 530TVL, 0 Lux, 49 IR LEDs, 2.8 to 10mm Auto Iris Varifocal Lens, IP66 Rating Outdoor Weatherproof Housing, DC12V/ AC24V, PAL, HCD-92534X-Honyewell completed in all respect	Each	1,470.00	52,257.50	Each	1,470.00	52,257.50	15.20.2	
15-139-b	Supply and Installation of True Day & Night Color Indoor Camera 1/3" CCD, 550TVL, Color 0.3Lux & B/W 0.002Lux, Day/Night, DC12V/ AC24V, PAL, HCC-690P completed in all respect	Each	2,511.25	28,562.25	Each	2,511.25	28,562.25	15.2.3	
15-139-c	Supply, Installation, Testing and Commissioning of Wall bracket box Camera, type PoE I.P camera with day and night feature having 1.3MP Resolution with live/recording quality of min 15 fps, Varifocal Lens 2.8-12mm, along with all mounting accessories complete in all respect	Each	1,470.00	27,521.00	Each	1,470.00	27,521.00	15.20.2	
15-139-d	Supply and Installation of Indoor Dome Camera,1/3" CCD, 550TV lines, 0.1lx (F2.0),Internal Sync., AWB / BLC / AGC Mirror On-Off Control, varifocal lens 3.6mm, Gray color case, DC12V, PAL, HDC-890P-36 completed in all respect	Each	44.10	20,060.35	Each	44.10	20,060.35		
15-139-e	Supply of Installation Indoor, Outdoor Dome IR Camera,1/3"CCD, 530TV lines, IR LEDs, 0.1lx (F2.0),Internal Sync., AWB / BLC / AGC Mirror On-Off Control, varifocal lens 3.6mm, Gray color case, DC12V, PAL, HDC-515PI-36 completed in all respect	Each	441.00	22,907.00	Each	441.00	22,907.00		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-139-f	Supply Installation of 32-Channel Digital Video Recorder, real time display 400ips andwith Built-in DVD writer,XtraStor/MPEG4 compression,1TB,HDD,SATA port with remoteviewing and management software HNDR-E1648L-N-D-E,Honyewell.complated with all respect	Each	1,470.00	419,720.00	Each	1,470.00	419,720.00		
15-139-g	Supply, installation, Testing and commissioning of INDOOR DOME CAMERA; 2.0 MP FULL HD 1080P; 1/2.7" CMOS PROGRESSIVE SCAN; 3-10 mm VARIFOCAI DC IRIS LENS; WDR > 100 dB; PoE; 12 VDC complete in all respects.	Each	441.00	84,091.00	Each	441.00	84,091.00		
15-139-h	Supply, installation, Testing and commissioning of CAMERA DOME; 1/2.7" PS CMOS; 1.3 Mp HD-720P; 3-10 mm DC I V/F LENS; 76 DB WDR; PoE; 12 VDC. complete in all respects.	Each	441.00	78,116.00	Each	441.00	78,116.00		
15-139-i	Supply and Installation of Video Management and Recording System including media converter	Each	1,470.00	419,720.00	Each	1,470.00	419,720.00		
15-139-j	Supply and installation of 16 input to 01 output digital multiplexer for CCTV system complete in all respect	Each	1,470.00	23,936.00	Each	1,470.00	23,936.00	15.7.4	
15-139-k	Installation and Cabling (RG-11 Coaxial Cable through approved 3A" PVC conduit)	m	1.47	115.00	Meter	1.47	115.00		
15-139-l	Supply and installation of 32" LCD monitor of best quality	Each	441.00	54,216.00	Each	441.00	54,216.00	15.20.6	
15-139-m	Supply & fixing of 1/3M Color Dome Cameras equipped with following characteristics. Built in Varifocal Lens (4.0mm - 9.0mm) Back Light Compensation Built-in Flickerless High Resolution more than 470TV line 0.4 Lux at F1" 2 Compact Design Approval: FCC, CE	No	1,470.00	25,967.50	No	1,470.00	25,967.50		
15-139-n	Supply, installation, connecting, testing & commissioning of ceiling mounting Fixed position super high resolution color Dome Camera Day/ Night with Dynamic rang 12mm varifocal autoirise lens, 12/24V dual operating voltage, complete in all respects	No	1,470.00	43,295.00	No	1,470.00	43,295.00	15.20.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-139-o	Supply, installation, connecting, testing & commissioning of High-sensitivity, 1/3" Ex-View HAD CCD color Camera Day/ Night (outdoor), 12/24V dual perating voltage with Motorized gear box, complete in all respects or equivalent,	No	1,470.00	39,710.00	No	1,470.00	39,710.00	15.20.2	
15-139-p	Supply, installation, connecting, testing & commissioning of CCTV Digital vidio recorder "DVR" equipment, suitable for 16 channel, including power supply distributor 12 volts with color 22" LCD, complete in all respects	No	1,470.00	359,970.00	No	1,470.00	359,970.00	15.20.4	
15-140-a	Supply, installation, testing and commissioning of Patch Panel 12 Port Loaded with RJ-45 I/Os Suitable for CAT-VI FTP CABLE; Rack Mount , complete in all respects.	Each	88.20	4,423.27	Each	88.20	4,423.27		
15-140-b	Supply, installation, testing and commissioning of Patch Panel 24 Port Loaded with RJ-45 I/Os Suitable for CAT-VI FTP CABLE; Rack Mount, complete in all respects.	Each	183.75	9,125.78	Each	183.75	9,125.78		
15-141-a	Supply, installation, testing and commissioning of Cable Manager / Organizer	Each	367.50	5,214.29	Each	367.50	5,214.29		
15-141-b	Supply, installation, Testing and commissioning of UTP Cat-6a Patch Cords 1m (Supports 10 Giga Network) to be Installed in Data Cabinets	Each	29.40	664.14	Each	29.40	664.14	15.18.6	
15-141-c	Supply, installation, Testing and commissioning of UTP Cat-6a Patch Cords 3m (Supports 10 Giga Network) to be Installed in Data Cabinets	Each	29.40	1,821.90	Each	29.40	1,821.90	15.18.6	
15-142-a	Supply, installation, Testing and commissioning of Single Shutter / Port with 1x RJ-45 I/O & Back Box, complete in all respects.	Each	88.20	1,609.52	Each	88.20	1,609.52		
15-142-b	Supply, installation, Testing and commissioning of Double Shutter / Port with 1x RJ-45 I/O & Back Box, complete in all respects	Each	88.20	2,599.25	Each	88.20	2,599.25		
15-142-c	Supply and installion of Computer single port face plate CAT-6 RJ-JACK with appropriate MS 16SWG enameled back box recessed in wall, column etc... complete in all respects in walls including chase etc : 1.5" i/d	Each	35.28	608.88	Each	35.28	608.88		
15-142-d	Supply and installion of Computer double port face plate CAT-6 RJ-JACK with appropriate MS 16SWG Orange enameled back box recessed in wall, column etc.complete in all respects	Each	44.10	677.45	Each	44.10	677.45		



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-142-e	Supply and Installation, testing and commissioning of 42 port DATA cabinet with 3 no's cabinet tray, 4 No's power socket and with flexi glass door 1	Each	4,410.00	64,160.00	Each	4,410.00	64,160.00	15.16.10	
15-143-a	Supply, installation, testing and commissioning of the following Fiber Optic Cables to be installed in conduits, cable trays and dura duct including cost of all necessary accessories/ materials complete in all respects.	Rft	10.29	34.19	m	33.76	112.17		
15-143-b	Supply, installation, testing and commissioning of the following Fiber Optic Cables to be installed in conduits, cable trays and dura duct including cost of all necessary accessories/ materials complete in all respects.	Rft	14.70	62.50	m	48.23	205.05		
15-143-c	Supply, installation, testing and commissioning of the following Fiber Optic Cables to be installed in conduits, cable trays and dura duct including cost of all necessary accessories/ materials complete in all respects.	Rft	14.70	86.40	m	48.23	283.46		
15-143-d	Supply, installation, testing and commissioning of the following Fiber Optic Patch cord to be installed in conduits, cable trays and dura duct including cost of all necessary accessories/ materials complete in all respects.	Rft	14.70	110.30	m	48.23	361.88	15.18.6	
15-143-e	Supply, installation, testing and commissioning of the following Fiber Optic Patch cord to be installed in conduits, cable trays and dura duct including cost of all necessary accessories/ materials complete in all respects.	Rft	14.70	134.20	m	48.23	440.29	15.18.6	
15-143-f	Supply, installation, testing and commissioning of the following Fiber Optic Patch cord to be installed in conduits, cable trays and dura duct including cost of all necessary accessories/ materials complete in all respects.	Rft	10.29	368.79	m	33.76	1,209.94	15.18.6	
15-144-a	Supply and Installation of 0.5 to 1mm2 Cat-5 cable laid in 1", 1-1/2" or 2" pvc conduit or Cable Tray, complete in all respects including clamps etc: 1.25" i/d	m	13.23	120.78	Meter	13.23	120.78		



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-144-b	Supply and Installation of 0.5 to 1mm2 Cat-5 cable laid in 1", 1-1/2" or 2" pvc conduit or Cable Tray, complete in all respects including clamps etc: 1.25" i/d	m	13.23	156.63	Meter	13.23	156.63		
15-144-c	Supply and Installation of 0.5 to 1mm2 Cat-5 cable laid in 1", 1-1/2" or 2" pvc conduit or Cable Tray, complete in all respects including clamps etc: 1.25" i/d	m	13.23	228.33	Meter	13.23	228.33		
15-144-d	Supply and Installation of 0.5 to 1mm2 Cat-5 cable laid in 1", 1-1/2" or 2" pvc conduit or Cable Tray, complete in all respects including clamps etc: 1.25" i/d	m	13.23	311.98	Meter	13.23	311.98		
15-144-e	Supply and Installation of 0.5 to 1mm2 Cat-5 cable laid in 1", 1-1/2" or 2" pvc conduit or Cable Tray, complete in all respects including clamps etc: 1.25" i/d	Each	10.29	58.09	Each	10.29	58.09	15.7.4	
15-145	Supply, installation, testing and commissioning of the ODF; 12 Port Loaded with 6x Pigtailed Multimode Tray & Other Accessories, Rack Mount 1U Form Factor, complete in all respects.	Each	2,511.25	122,133.40	Each	2,511.25	122,133.40		
15-146	Supply, installation, testing and commissioning of OFC Patch Cord; 3m; Multi Mode; Duplex Type, complete in all respects.	Each	14.70	2,098.59	Each	14.70	2,098.59	15.18.6	
15-147	Supply, Installation, Testing and Commissioning of Colour 59" HD Colour LED Monitor with wall Hanging, complete in all respects	Each	367.50	89,992.50	Each	367.50	89,992.50		
15-148	Supply, Installation, Testing and Commissioning of Core-i7; 8 GB RAM; 1 TB HDD; KB Mouse DVD R/W; Windows Graphic Card 4G Internal Tower Type PC (Computer), complete in all respects	Each	367.50	179,617.50	Each	367.50	179,617.50	15.20.4	
15-149	Supply at site , insallation, testing and commissioning of Polycarbonate junction box (250x250x150)mm to facilitate connection of incoming and outgoing cables of maximum size 35sqmm complete with terminal blocks,cables glands, one 6A Sp MCB , complete in all respects.	Each	735.00	6,331.15	Each	735.00	6,331.15		
15-150	Supply, installation of Rubber mat 3 feet wide x 1/4" thick to be placed all long the length of Main Panel Board in L.T. Panel Room	Rft	65.08	449.23	m	213.51	1,473.87		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-151	Supply, installation of Buckets made of M.S. sheet to be hung on hooks and filled with sand as per Electric Inspectors requirements.	Each	20.83	2,425.63	Each	20.83	2,425.63		
15-152	Supply of electric shock chart fixed on wooden board and hang on wall as per the requirement of Electrical Inspector.	Each	20.83	2,083.02	Each	20.83	2,083.02		
15-153	supply,Insatallation, testing & commisioning of Single Phase KWH Energy Meters from Main Service of LT Line to each building Complete in all respect	Each	367.50	19,487.50	Each	367.50	19,487.50		
15-154-a	Providing and fixing of point wiring (including circuit wiring with 2.5 mmsq conductors and 2.5 mmsq green / yellow CPC) with 1.5 mmsq single core PVC insulated 450/750 volt grade copper conductors in PVC conduit rigid / flexible (clipped to surface or concealed in structure or under floor), complete in all respects.	No	29.40	1,076.22	No	29.40	1,076.22		
15-154-b	Providing and fixing of Light point controlled by two way switch wiring (including circuit wiring with 2.5 mmsq conductors and 2.5 mmsq green / yellow CPC) with 1.5 mmsq single core PVC insulated 450/750 volt grade copper conductors in PVC conduit rigid / flexible (clipped to surface or concealed in structure or under floor), complete in all respects.	No	29.40	1,933.04	No	29.40	1,933.04		
15-154-c	Providing and fixing of Light point controlled by two way switch wiring (including circuit wiring with 2.5 mmsq conductors and 2.5 mmsq green / yellow CPC) with 1.5 mmsq single core PVC insulated 450/750 volt grade copper conductors in PVC conduit rigid / flexible (clipped to surface or concealed in structure or under floor), complete in all respects.	No	29.40	1,741.83	No	29.40	1,741.83		
15-155-a	Supply, installation, connecting, testing & commissioning of flush type 5Amp 3-pin switch & socket outlet with 3 pin switch and socket combine unit with neon bulb fixed on plastic or fiber top covered, including 14 SWG metal board with earth	No	29.40	806.15	No	29.40	806.15	15.4.5	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-155-b	Supply, installation, connecting, testing & commissioning of flush type 13 Amps 3-pin (Duplex) outlet with 3 pin switch and socket combine unit with neon bulb fixed on plastic or fiber top covered, including 14 SWG metal board with earth	No	29.40	686.65	No	29.40	686.65	15.18.8	
15-155-c	Supply, installation, connecting, testing & commissioning of flush type 13 Amps 3-pin simplex outlet with 3 pin switch and socket combine unit with neon bulb fixed on plastic or fiber top covered, including 14 SWG metal board with earth	No	29.40	925.65	No	29.40	925.65	15.18.8	
15-155-d	Supply, installation, connecting, testing & commissioning of flush type following 16 Amps Soko type switch & socket with 3 pin switch and socket combine unit with neon bulb fixed on plastic or fiber top covered, including 14 SWG metal board with earth	No	29.40	973.45	No	29.40	973.45	15.18.8	
15-155-e	Supply, installation, connecting, testing & commissioning of flush type 20 Amps Soko type switch & socket with 3 pin switch and socket combine unit with neon bulb fixed on plastic or fiber top covered, including 14 SWG metal board with earth	No	29.40	925.65	No	29.40	925.65	15.4.5	
15-156	Supply, Installation, Connecting, testing and commissioning of 400 watt Fan dimmer, polycarbonate flame retardant with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column , complete in all respects.	No	29.40	1,104.90	No	29.40	1,104.90	15.4.7	
15-157-a	Providing and fixing of 3/4" dia PVC conduit as raceway, clipped to the surface or concealed in structure, or under floor including all accessories bends, boxes, etc as required for street light + telephone + power cable.	m	29.40	168.02	Meter	29.40	168.02	15.2.4	
15-157-b	Providing and fixing of 1" dia PVC conduit as raceway, clipped to the surface or concealed in structure, or under floor including all accessories bends, boxes, etc.as required for street light + telephone + power cable.	m	29.40	185.95	Meter	29.40	185.95	15.2.4	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-157-c	Providing and fixing of 1-1/4" dia PVC conduit as raceway, clipped to the surface or concealed in structure, or under floor including all accessories bends, boxes, as required for street light + telephone + power cable.	m	29.40	239.72	Meter	29.40	239.72	15.2.4	
15-157-d	Providing and fixing of 1-1/2" dia PVC conduit as raceway, clipped to the surface or concealed in structure, or under floor including all accessories bends, boxes, etc sizes as required for street light + telephone + power cable.	m	29.40	232.55	Meter	29.40	232.55	15.2.4	
15-158	Providing and fixing of 150 mm dia RCC pipe for power cable, including excavation, sand bedding, back-filling, accessories, manholes, etc	m	29.40	626.90	Meter	29.40	626.90		
15-159	Supply, Installation of Short-circuit ratings to IEC 947-2, Icuta at 415 V All components (ELCBs, Contractors et.) with backup protection & incoming MCB suitable backup protection of ELECBs DBs of incoming size 100A or less may be Divided with cascading	No	1,470.00	37,320.00	No	1,470.00	37,320.00	15.7.4	
15-160	Supply, Installation, connecting, testing & commissioning of Floor mounted following submain distribution board SMDB (Block 7-11) power & HVAC complete with all metering with indication lamps complete in all respects.	No	1,470.00	264,370.00	No	1,470.00	264,370.00	15.7.4	
15-161	Supply, Installation, connecting, testing & commissioning of Floor mounted following submain distribution board SMDB (Block 7-11) as required for lighting, power & HVAC as per revise: single line diagram, complete with all metering with indication lamps complete in all respects	No	1,470.00	688,595.00	No	1,470.00	688,595.00	15.7.4	
15-162-a	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B7-B1, LPDB-B7-B1/1 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	91,095.00	No	1,470.00	91,095.00	15.7.4	
15-162-b	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B7-G1, LPDB-B7-F1, LPDB-B"-31 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	103,045.00	No	1,470.00	103,045.00	15.7.4	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-162-c	Supply, Installation, connecting, testing & commissioning of wall mounted ACDB-B7-G1, ACDB-B7-F1 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	103,045.00	No	1,470.00	103,045.00	15.7.4	
15-162-d	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B8-B1 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	91,095.00	No	1,470.00	91,095.00	15.7.4	
15-162-e	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B8-G1, LPDB-B8-F1, LPDB-3--31 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	103,045.00	No	1,470.00	103,045.00	15.7.4	
15-162-f	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B8-S1/1, LPDB-B8-S1/2 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	91,095.00	No	1,470.00	91,095.00	15.7.4	
15-162-g	Supply, Installation, connecting, testing & commissioning of wall mounted ACDB-B8-G1, ACDB-B8-F1. ACDB-5--51 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	1,017,220.00	No	1,470.00	1,017,220.0	15.7.4	
15-162-h	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B9-G1, LPDB-B9-F1, LPDB-E^S1 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	91,095.00	No	1,470.00	91,095.00	15.7.4	
15-162-i	Supply, Installation, connecting, testing & commissioning of wall mounted ACDB-B9-F1, ACDB-B9-S1 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	103,045.00	No	1,470.00	103,045.00	15.7.4	
15-162-j	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B10-G1, LPDB-B10-F1, LPD5-510-S1 Distribution Boards, compes with all metering with indication lamps complete win all respects	No	1,470.00	91,095.00	No	1,470.00	91,095.00	15.7.4	



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Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-162-k	Supply, Installation, connecting, testing & commissioning of wall mounted ACDB-B10-G1, ACDB-B10-F1, ACD5-510-S1 Distribution Boards, comes with all metering with indication lamps complete win all respects	No	1,470.00	103,045.00	No	1,470.00	103,045.00	15.7.4	
15-162-l	Supply, Installation, connecting, testing & commissioning of wall mounted LPDB-B11-G1, LPDB-B11-F1 Distribution Boards, comes with all metering with indication lamps complete win all respects	No	1,470.00	91,095.00	No	1,470.00	91,095.00	15.7.4	
15-162-m	Supply, Installation, connecting, testing & commissioning of wall mounted ACDB-B11-G1, ACDB-B11-F1 Distribution Boards, comes with all metering with indication lamps complete win all respects	No	1,470.00	103,045.00	No	1,470.00	103,045.00	15.7.4	
15-163	Supply, Installation & Connecting up of floor or wall mounted Sub-main Distribution Board equipment SMDB comprising of Ammeter, Volt meter equiped with Ct's Pt's and selector switches.	No	1,470.00	359,970.00	No	1,470.00	359,970.00	15.7.4	
15-164	Supply, installation, & connecting of Insect killer	No	183.75	7,951.25	No	183.75	7,951.25		
15-165-a	Supply, installation, of 3/4" dia PVC Conduit for NURSE CALL SYSTEM 1 CALL BELLS	Rft	3.67	46.69	m	12.06	153.20	15.2.4	
15-165-b	Supply, installation, & connecting of 1.5 sq.m 4 core PVC Cable for NURSE CALL SYSTEM 1 CALL BELLS	Rft	7.35	85.03	m	24.11	278.95	15.2.4	
15-166-a	Providing and fixing of 10 zone panel for nurse call system	No	183.75	3,051.75	No	183.75	3,051.75		
15-166-b	Providing and fixing of 20 zone panel nurse call system	No	183.75	77,858.75	No	183.75	77,858.75		
15-166-c	Providing and fixing Door light indicator unit	No	92.61	1,048.61	No	92.61	1,048.61		
15-166-d	Providing and fixing of SOX1.5mm sq. twisted Telephone Cable	No	14.70	32.63	No	14.70	32.63		
15-167	Providing and fixing of call bells with push buttons including wiring and all accessories	No	1,470.00	4,667.82	No	1,470.00	4,667.82		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-168	Supply, installation, connecting, testing and commissioning of wall/recessed mounting typical DB for flat should be factory assembled ready wired and complete (comprising of incoming & outgoing breaker rupturing capacity 10 KA Terrasaki make) Incoming: 1 by 30 A.T.P mcb with ph. Indications Outgoing One set: 15 by 10 Amps, 6 by 20 Amps single pole 250 volt moulded case miniature circuit breaker (mcb) 7 No per phase coupled with one 60 Amps T.P mcb	Set	91.88	41,916.88	Set	91.88	41,916.88	15.7.4	
15-169	Supply and fixing of Ready Made Fancy Sheet light plug (5-10 Amp) with PVC box complete in all aspects	Each	36.75	335.50	Each	36.75	335.50		
15-170-a	Precurement and Fixing of 10 Pin Kit with sheet	Each	36.75	1,709.75	Each	36.75	1,709.75		
15-170-b	Precurement and Fixing of 08 Pin Kit with sheet	Each	36.75	1,470.75	Each	36.75	1,470.75		
15-170-c	Precurement and Fixing of 06 Pin Kit with sheet	Each	36.75	1,231.75	Each	36.75	1,231.75		
15-170-d	Precurement and Fixing of 04 Pin Kit with sheet	Each	36.75	992.75	Each	36.75	992.75		
15-170-e	Precurement and Fixing of 03 Pin Kit with sheet	Each	36.75	933.00	Each	36.75	933.00		
15-170-f	Precurement and Fixing of 02 Pin Kit with sheet	Each	36.75	753.75	Each	36.75	753.75		
15-170-g	Precurement and Fixing of 01 Pin Kit with sheet	Each	36.75	634.25	Each	36.75	634.25		
15-171	Supply & fixing of China Kit for TV	Each	183.75	1,976.25	Each	183.75	1,976.25		
15-172	Supply and installation of Fan dimmer switch Clipcal made	Each	36.75	108.45	Each	36.75	108.45	15.5.1	
15-173	Supply and installation of Bell Press	Each	36.75	933.00	Each	36.75	933.00		
15-174	Supply & Erection of 12 volt bulb with transformer	Each	36.75	395.25	Each	36.75	395.25		
15-175	Supply & Erection of TV/satellite cable complete	Each	36.75	156.25	Each	36.75	156.25		
15-176	Supply & Erection of Telephone point with socket complete	Each	36.75	478.90	Each	36.75	478.90		
15-177	Supply & Erection of Telephone socket	Each	36.75	478.90	Each	36.75	478.90		
15-178	Supply & Erection of TV socket	Each	36.75	514.75	Each	36.75	514.75		
15-179	Supply & Erection of Power Plug 15 Amp complete in all aspects	Each	36.75	275.75	Each	36.75	275.75		
15-180	Supply & Erection of Swimming Pool Cascado lights direct 120/150 watt complete	Each	183.75	6,158.75	Each	183.75	6,158.75		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-181	Supply and installation of structure cable as required for CAT-6 PVC shielded cable in already installed Trunking/ conduit/ Channel , inducing Balun for vedio and power facility at both ends of cable to be provided. The CAT- 6 cable should be 3M complete in all respects	m	183.75	297.27	Meter	183.75	297.27		
15-182	Provide & connect 14" color TV Monitor equipped with following characteristics Microphone & Speaker built in for one way audio VCR Connect for VCR record & play Horizontal resolution 420V linees NTSL/PAL Free voltage (90-260VAC, 50/60Hz) Approved UL,CE,CSA,DHHA Computer Networks	No	183.75	42,008.75	No	183.75	42,008.75	15.20.6	
15-183	Supply, installation, connecting, testing, and comissioning of duplex computer outlet with RJ series	No	183.75	960.50	No	183.75	960.50		
15-184	Acrylic boxes for 4"x4" Switchboard Complete with all aspects	Each	73.50	115.32	Each	73.50	115.32		
15-185	Acrylic boxes for 7"x4" Switchboard Complete with all aspects	Each	73.50	127.28	Each	73.50	127.28		
15-186	Acrylic boxes for 8"x10" Switchboard Complete with all aspects	Each	73.50	133.25	Each	73.50	133.25		
15-187	Supply & Erection of Acrylic or bakolite sheet 7 40 , 4x4	Each	29.40	107.07	Each	29.40	107.07		
15-188	Supply & Erection of bakolite sheet 4 x 2	Each	29.40	83.18	Each	29.40	83.18		
15-189	Supply & Erection of PVC board 7" x 4" with all aspects	Each	58.80	106.60	Each	58.80	106.60	15.2.4	
15-190	Supply & Erection ofExtentioa Board complete in all aspects	Each	36.75	251.85	Each	36.75	251.85		
15-191	Supply & Erection of glow starter	Each	14.70	38.60	Each	14.70	38.60		
15-192	Supply & Erection of Brass bulb holder	Each	36.75	132.35	Each	36.75	132.35		
15-193	Supply & Erection of Insulation tape	Each	0.00	35.85	Each	0.00	35.85		
15-194	Supply & Erection of Volt meter (heavy duty)	Each	36.75	538.65	Each	36.75	538.65		
15-195	Supply & Erection of Capacitor 3.5 for ceiling fan	Each	29.40	89.15	Each	29.40	89.15		
15-196	Supply & Erection of TV Cable	Each	29.40	71.22	Each	29.40	71.22		



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		Unit	Labour	Composite	Unit	Labour	Composite		
15-197	Supply & Erection of Remote Cell	Each	29.40	244.50	Each	29.40	244.50		
15-198	Supply & Erection of Ding Dong call bell best quality	Each	29.40	865.90	Each	29.40	865.90		
15-199	Supply & Erection of Starter for Motor pump	Each	29.40	7,199.40	Each	29.40	7,199.40		
15-200-a	Supply & Installation of ASD strater for 10-20 HP	No	36.75	3,024.25	No	36.75	3,024.25		
15-200-b	Supply & Installation of ASD strater for 21-30 HP	No	36.75	4,816.75	No	36.75	4,816.75		
15-200-c	Supply & Installation of ASD strater for 31-40 HP	No	36.75	6,011.75	No	36.75	6,011.75		
15-201-a	Supply & Installation of DOL strater for 10-20 HP	No	36.75	3,024.25	No	36.75	3,024.25		
15-201-b	Supply & Installation of DOL strater for 21-30 HP	No	36.75	4,816.75	No	36.75	4,816.75		
15-201-c	Supply & Installation of DOL strater for 31-40 HP	No	36.75	6,011.75	No	36.75	6,011.75		
15-202-a	S/Fixing 3-core flexible Copper cable for submersible electric motor 10mm.	Each	36.75	204.05	Each	36.75	204.05	15.3.1	
15-202-b	S/Fixing 3-core flexible Copper cable for submersible electric motor 16mm.	Each	36.75	275.75	Each	36.75	275.75	15.3.1	
15-202-c	S/Fixing 4-core flexible Aluminium cable for service of transformer to main board (19/64)	m	36.75	2,426.75	Meter	36.75	2,426.75	15.3.1	
15-202-d	S/Fixing 4-core flexible Aluminium cable for service of transformer to main board (19/83)	m	36.75	4,219.25	Meter	36.75	4,219.25	15.3.1	
15-203	S/Fixing protector magnet coil in strater	No	29.40	2,419.40	No	29.40	2,419.40		
15-204-a	S/Fixing strater overload relay 10-30 Amp	No	29.40	3,614.40	No	29.40	3,614.40		
15-204-b	S/Fixing strater overload relay 31-60 Amp	No	29.40	7,199.40	No	29.40	7,199.40		
15-204-c	S/Fixing strater overload relay 61-100 Amp	No	29.40	10,784.40	No	29.40	10,784.40		
15-205-a	Repair of Transformer' HT leg (two -step) i/c of carriage from site to workshop & back i/c onstallation and Testing complete. 100-KVA Trasformer	No	1,470.00	13,420.00	No	1,470.00	13,420.00		
15-205-b	Repair of Transformer' LT coil i/c of carriage from site to workshop & back i/c onstallation and Testing complete. 100-KVA Trasformer	No	1,470.00	11,030.00	No	1,470.00	11,030.00		
15-205-c	Repair of Transformer' HT bush i/c of carriage from site to workshop & back i/c onstallation and Testing complete. 100-KVA Trasformer	No	1,470.00	10,432.50	No	1,470.00	10,432.50		
15-205-d	Repair of Transformer' LT bush i/c of carriage from site to workshop & back i/c onstallation and Testing complete. 100-KVA Trasformer	No	1,470.00	7,445.00	No	1,470.00	7,445.00		



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-206-a	Repair of Transformer' HT leg (two -step) i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 50-KVA Trasformer	No	1,470.00	11,030.00	No	1,470.00	11,030.00		
15-206-b	Repair of Transformer' LT Coil i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 50-KVA Trasformer	No	1,470.00	10,432.50	No	1,470.00	10,432.50		
15-206-c	Repair of Transformer' HT bush i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 50-KVA Trasformer	No	1,470.00	9,237.50	No	1,470.00	9,237.50		
15-206-d	Repair of Transformer' LT Bush i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 50-KVA Trasformer	No	1,470.00	8,640.00	No	1,470.00	8,640.00		
15-206-e	Repair of Transformer body i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 50-KVA Trasformer	No	1,470.00	7,445.00	No	1,470.00	7,445.00		
15-207-a	Repair of Transformer' HT leg (two -step) i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 25-KVA Trasformer	No	1,470.00	9,835.00	No	1,470.00	9,835.00		
15-207-b	Repair of Transformer' LT Coil i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 25-KVA Trasformer	No	1,470.00	9,596.00	No	1,470.00	9,596.00		
15-207-c	Repair of Transformer' HT bush i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 25-KVA Trasformer	No	1,470.00	9,237.50	No	1,470.00	9,237.50		
15-207-d	Repair of Transformer' LT bush i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 25-KVA Trasformer	No	1,470.00	8,640.00	No	1,470.00	8,640.00		
15-207-e	Repair of Transformer body i/c of carriage from site to workshop & back i/c onstalltion and Testing complete. 25-KVA Trasformer	No	1,470.00	7,445.00	No	1,470.00	7,445.00		
15-208	S/Fixing voltage Regulator plate (Selector) complete in all respect	No	735.00	4,320.00	No	735.00	4,320.00		
15-209	Rwinding of Voltage Regulator Coil stablizer coil	No	735.00	2,527.50	No	735.00	2,527.50		
15-210	Furnish & Install of Volt: meter upt to 500 volt.	No	91.88	988.13	No	91.88	988.13		
15-211	Furnish & Install of AMP meter up to 100 Amps	No	91.88	988.13	No	91.88	988.13		
15-212	S/Fixing of control circuit for automatic stabilizer	No	367.50	3,952.50	No	367.50	3,952.50		



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 15 ELECTRICAL

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15-213-a	S/Fixing trust bearing for i/c disk of 10-25 Hp Submersible moter	No	367.50	1,562.50	No	367.50	1,562.50		
15-213-b	S/Fixing trust bearing for i/c disk of 30-50 Hp Submersible moter	No	735.00	2,527.50	No	735.00	2,527.50		
15-214-a	Furnish & Install of tapper bearing for motor (V.H.S) of 10-25 HP	No	367.50	1,562.50	No	367.50	1,562.50		
15-214-b	Furnish & Install of tapper bearing for 30-50 HP motor (V.H.S)	No	735.00	2,527.50	No	735.00	2,527.50		
15-215-a	Furnish & Install of Ball bearing for 10-25 HP motor (V.H.S)	No	367.50	1,562.50	No	367.50	1,562.50		
15-215-b	Furnish & Install of ball bearing for 30-50 HP motor (V.H.S)	No	735.00	2,527.50	No	735.00	2,527.50		
15-216	Supply and Filling of Transformer Oil.	Per Ltr	10.83	369.33	Per Ltr	10.83	369.33		
15-217	Supply and Fixing of Voltage Regulator 30 KVA	No	1,470.00	180,720.00	No	1,470.00	180,720.00		
15-218	Supply and Fixing of Voltage Regulator 50 KVA	No	1,470.00	342,045.00	No	1,470.00	342,045.00		
15-219-a	Pump with motor for pressure pump (0.5 HP)	No	735.00	6,710.00	No	735.00	6,710.00		
15-219-b	Pump with motor for pressure pump (1 HP)	No	735.00	7,905.00	No	735.00	7,905.00		
15-219-c	Pump with motor for pressure pump (1.5 HP)	No	735.00	10,295.00	No	735.00	10,295.00		
15-219-d	Pump with motor for pressure pump (2 HP)	No	735.00	12,685.00	No	735.00	12,685.00		
15-220	Supply and fixing of 50 Litres Electric Geyser	No	367.50	30,242.50	No	367.50	30,242.50		
15-220-a	Supply and fixing of 40-50 Litres Electric Geyser including all accessories and fittings	No	306.25	30,181.25	no	306.25	30,181.25		
15-220-b	Supply and fixing of 15-25 Litres Electric Geyser including all accessories and fittings	Each	306.25	24,206.25	each	306.25	24,206.25		
15-220-c	Supply and fixing of 8-14 Litres Electric Geyser including all accessories and fittings	Each	306.25	18,231.25	each	306.25	18,231.25		
15-221	Supply & Erection of element for electric water heater	Each	88.20	267.45	Each	88.20	267.45		



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 16 ROADS AND BRIDGES

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16-01	Providing and Laying sub-base course of brick on edge 4.5" thick	100 Cft	2,205.00	18,859.71	m3	778.69	6,660.25	16.3.1	The Item has been Deleted
16-02	Providing and Laying sub-base course of brick aggregate, including compaction to required camber, grade & density	100 Cft	735.00	3,571.13	m3	259.56	1,261.13	16.3.1	
16-03	Graded Crushed Aggregate Crack-Relief Layer	100 Cft	751.61	5,382.47	m3	265.43	1,900.80	16.3.5	
16-04-a	Granular Sub Base Course using Pit Run Gravel	100 Cft	1,102.50	4,054.93	m3	389.34	1,431.99	16.3.1	
16-04-b	Granular Sub Base Using Crushed Stone Aggregate	100 Cft	661.50	6,044.55	m3	233.61	2,134.62	16.3.1	
16-05-a	Aggregate Base Course	100 Cft	1,653.75	7,764.30	m3	584.02	2,741.94	16.3.2	
16-05-b	Water Bound Macadam Base Course	100 Cft	661.50	7,093.93	m3	233.61	2,505.20	16.3.6	
16-06	Providing and Laying road edging of 3" wide & 9" deep brick on end, complete	100 Rft	1,470.00	6,284.22	m	48.23	206.18	16.3.7	
16-07	Reflective Mirrors at Sharp Curves (900 mm dia) with post Complete in all respects	Each	246.23	6,104.47	Each	246.23	6,104.47	16.8.12	
16-08	Providing and Fixing Reflective Sheet Hi-intensity Grade Including Foundation and steel Post complete in all respect	100SFT	1,041.25	41,418.50	m2	112.04	4,456.63	16.8.12	
16-09-a	Bitumenous Prime Coat	100 Sft	147.00	1,757.61	m2	15.82	189.12	16.4.3	
16-09-b	Bitumenous Tack Coat	100 Sft	147.00	501.50	m2	15.82	53.96	16.4.4	
16-10-a	Single bitumenous Surface Treatment	100 Sft	17.35	2,503.81	m2	1.87	269.41	16.4.5	
16-10-b	Double bitumenous Surface Treatment	100 Sft	17.35	3,575.27	m2	1.87	384.70	16.4.5	
16-10-c	Triple bitumenous Surface Treatment	100 Sft	17.35	4,684.21	m2	1.87	504.02	16.4.5	
16-11-a	Resurfacing of road complete with per 100sft : 22 lbs. bitumen, 2.5" cft bajri/crush aggregate	100 Sft	64.01	1,305.88	m2	6.89	140.51	16.4	
16-11-b	Resurfacing of road complete with per 100sft : 20 lbs. bitumen, 2 cft bajri/crush aggregate	100 Sft	111.07	1,235.83	m2	11.95	132.97	16.9	
16-12	Scarification Of Existing Road Pavement Structure	1000 Cft	55.49	5,883.57	m3	1.96	207.78	3.9.3	
16-13-a	Dense Graded Hot Bitmac (Mobile Asphalt Mixer) 1" Thick	100 Sft	428.14	3,918.98	m2	46.07	421.68	16.4.13	
16-13-b	Dense Graded Hot Bitmac (Mobile Asphalt Mixer) 1.5" Thick	100 Sft	613.42	5,690.66	m2	66.00	612.31	16.4.13	
16-13-c	Dense Graded Hot Bitmac (Mobile Asphalt Mixer) 2" Thick	100 Sft	798.70	7,527.84	m2	85.94	810.00	16.4.13	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 16 ROADS AND BRIDGES

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16-14-a	Asphaltic Base Course (Asphalt Batch Plant Hot Mixed) i/c Transportation and Finishing complete	100 Cft	919.26	46,679.89	m3	324.64	16,484.86	16.4.8	The Rate of Item No '16-14-a and b include a Lead of 10 Km. The Lead More than 10 Km is to be paid separately for the loaded trip from the nearest asphalt plant under item no 16-13-c.
16-14-b	Asphaltic Wearing Course (Asphalt Batch Plant Hot Mixed) i/c Transportation and Finishing complete	100 Cft	919.26	52,928.25	m3	324.64	18,691.45	16.4.10	
16-15	Providing 3 feet high RCC railing (as per the drawing in specifications) on bridges	100 Rft	23,212.84	86,069.84	m	761.58	2,823.81	16.8.6	DELETED
16-16	Providing and fixing GI pipe railing (3 feet high)	100 Rft/3row	12,884.55	100,364.86	m/3row	422.72	3,292.81	16.8.6 , 25.7.4	
16-17-a	P&E at site : RCC km stone	Each	2,252.53	4,049.58	Each	2,252.53	4,049.57	16.8.15	The rate is for complete item of work according to standard design including cement concrete foundation block and painting letters etc.
16-17-b	P&E at site : RCC 1/10th km stone.	Each	592.29	1,010.60	Each	592.29	1,010.60	16.8.15	
16-17-c	P&E at site : RCC boundry pillar.	Each	489.63	1,562.37	Each	489.63	1,562.38	16.8.14	
16-18-a	Road signs (not exceeding 1 m2) without reflection sheet & lettering : Supply and Fixing at site with PCC 1:3:6 upto max 3' depth	100 Sft	18,078.24	96,468.23	m2	1,945.22	10,379.98	16.8.7	The cost of pedestal, PCC and excavation is included in the rate.
16-18-b	Road signs (not exceeding 1 m2) without reflection sheet & lettering : Supply to the C&W store/site of work	100 Sft	10,906.35	80,282.17	m2	1,173.52	8,638.36	16.8.7	
16-19-a	Road sign (any size) double pedestal 4"x2"x0.25" 11' long without reflection sheet & lettering: Supply and Fixing at site with PCC 1:3:6 max 3' depth	100 Sft	26,287.29	144,920.28	m2	2,828.51	15,593.42	16.8.7	The cost of pedestal, PCC and excavation is included in the rate.
16-19-b	Road sign (any size) double pedestal 4"x2"x0.25" 11' long without reflection sheet & lettering: Supply to the C&W store/site of work	100 Sft	22,324.69	123,520.41	m2	2,402.14	13,290.79	16.8.7	
16-20-a	Traffic Road Sign Cat 1	Each	612.62	11,770.41	Each	612.62	11,770.41	16.8.7	
16-20-b	Traffic Road Signs Category 2, Size 900 mm	Each	20.95	11,809.11	Each	20.95	11,809.11	16.8.7	
16-20-c	Traffic Road Signs Category 3a	Each	1,666.98	27,311.21	Each	1,666.98	27,311.21	16.8.7	
16-20-d	Traffic Road Signs Category 3b	Each	367.87	47,522.10	Each	367.87	47,522.10	16.8.7	
16-21-a	Overhead Gantry Beam/ Information Sign for Single Carriageway	Each	6,584.38	168,316.20	Each	6,584.38	168,316.20	16.8.7	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16-21-b	Overhead Gantry Beam/ Information Sign for Dual Carriageway	Each	7,460.25	367,316.97	Each	7,460.25	367,317.00	16.8.7	
16-21-c	Overhead Gantry Beam/ Information Sign for Six Lane Carriageway	Each	8,222.81	528,948.50	Each	8,222.81	528,948.50	16.8.7	
16-21-d	Providing and Fixing gantry of structural steel sections as per design / drawings including foundation complete	Each	5,956.56	112,466.76	Per Each	5,956.56	112,466.80	16.8.7	The cost of RCC base for the foundation is not included in the rate which is payable separately.
16-22-a	Supply and Fixing reflective sheet on MS/aluminium road signs etc including lettering : Diamond grade	100 Sft	1,934.75	64,313.75	m2	208.18	6,920.16	16.8.7.2.2	
16-22-b	Supply and Fixing reflective sheet on MS/aluminium road signs etc including lettering : High intensity grade	100 Sft	1,934.75	40,891.75	m2	208.18	4,399.95	16.8.7.2.2	
16-22-c	Supply and Fixing reflective sheet on MS/aluminium road signs etc including lettering : Engineering grade	100 Sft	1,934.75	25,595.75	m2	208.18	2,754.10	16.8.7.2.2	
16-23	Delineator Bi-directional (Diamond sheet)	Each	257.25	556.00	Each	257.25	556.00	16.8.12	
16-24	Plastic 3M Bi Direction	Each	257.25	658.77	Each	257.25	658.77	16.8.12	
16-25-a-01	Supply and Fixing aluminium alloy road studs as per specs Large, strip 146x30mm, 171 beads: Uni-direction	Each	66.15	596.73	Each	66.15	596.73	16.8.10	
16-25-a-02	Supply and Fixing aluminium alloy road studs as per specs Large, strip 146x30mm, 171 beads: Bi-direction	Each	66.15	613.46	Each	66.15	613.46	16.8.10	
16-25-b-01	Supply and Fixing aluminium alloy road studs as per specs Medium, strip 114x18mm, 74 beads: Uni-direction	Each	66.15	497.55	Each	66.15	497.55	16.8.10	
16-25-b-02	Supply and Fixing aluminium alloy road studs as per specs Medium, strip 114x18mm, 74 beads: Bi-direction	Each	66.15	508.30	Each	66.15	508.30	16.8.10	
16-25-c-01	Supply and Fixing aluminium alloy road studs as per specs Small, strip 75x14mm, 43 beads: Uni-directional	Each	66.15	345.78	Each	66.15	345.78	16.8.10	
16-25-c-02	Supply and Fixing aluminium alloy road studs as per specs Small, strip 75x14mm, 43 beads: Bi-directional	Each	66.15	352.95	Each	66.15	352.95	16.8.10	
16-25-c-03	Supply & Fixing of high Quality) 360 d Glass Road studs (4" Dia) Including fixing at site in all respect	Each	66.15	613.46	Each	66.15	613.46	16.8.10	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16-25-c-04	Reflectorized Aluminium Pavement Stud (Raised Profile Type - Single)	Each	32.59	510.59	Each	32.59	510.59	16.8.12	
16-25-c-05	Reflectorized Aluminium Pavement Stud (Raised Profile Type - Double)	Each	32.59	540.47	Each	32.59	540.47	16.8.12	
16-25-c-06	Reflectorized Aluminium Pavement Stud (Flushed Profile Type - Single)	Each	32.59	480.72	Each	32.59	480.72	16.8.12	
16-25-c-07	Reflectorized Aluminium Pavement Stud (Flushed Profile Type - Double)	Each	32.59	510.59	Each	32.59	510.59	16.8.12	
16-25-c-08	Reflectorized Plastic Pavement Stud (Raised Profile Type - Single)	Each	32.59	391.09	Each	32.59	391.09	16.8.10	
16-25-c-09	Reflectorized Plastic Pavement Stud (Raised Profile Type - Double)	Each	32.59	420.97	Each	32.59	420.97	16.8.10	
16-25-c-10	Reflectorized Plastic Pavement Stud (Flushed Profile Type - Single)	Each	32.59	361.22	Each	32.59	361.22	16.8.10	
16-25-c-11	Reflectorized Plastic Pavement Stud (Flushed Profile Type - Double)	Each	32.59	420.97	Each	32.59	420.97	16.8.10	
16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	100 Cft	3,417.75	21,174.85	m3	1,206.97	7,477.83	16.3.15	The nominal thickness of bricks shall be taken for the purpose of measurement and payment.
16-27	Provide and Lay Polythene Sheet under Rigid Pavement	100 Sft	65.08	3,269.83	m2	7.00	351.83	16.5.2.2.3	
16-28	Supply & spreading 1"-1.5" guage shingle on road surface including compaction	100 Cft	1,470.00	3,754.78	m3	519.13	1,325.99		For different thicknesses, rate is to be calculated on pro-rate basis.
16-29-a-i	R.C.C. Pipe Culvert AASHTO M 170 Dia 310 mm	100 Rft	3,976.50	60,105.04	m	130.46	1,971.95	16.7.2	
16-29-a-ii	R.C.C. Pipe Culvert Aashto M 170 Dia 380 Mm	100 Rft	4,226.25	68,245.49	m	138.66	2,239.03	16.7.2	
16-29-a-iii	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 460mm	100 Rft	22,395.45	87,528.45	m	734.76	2,871.67	16.7.2	
16-29-b-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 610mm	100 Rft	28,002.62	118,692.94	m	918.72	3,894.12	16.7.2	
16-29-b-ii	R.C.C. Pipe Culvert Aashto M 170 Dia 610 mm.	100 Rft	3,600.03	121,235.05	m	118.11	3,977.53	16.7.2	
16-29-c-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 760mm	100 Rft	33,604.05	176,617.61	m	1,102.50	5,794.54	16.7.2	
16-29-c-ii	R.C.C. Pipe Culvert Aashto M 170 Dia 760 mm	100 Rft	3,665.45	177,015.97	m	120.26	5,807.61	16.7.2	
16-29-d-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 910mm	100 Rft	39,200.49	305,195.50	m	1,286.11	10,012.98	16.7.2	
16-29-d-ii	R.C.C. Pipe Culvert Aashto M 170 Dia 910 mm	100 Rft	3,741.89	304,650.56	m	122.77	9,995.10	16.7.2	
16-29-e-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 1070mm	100 Rft	44,802.59	310,520.13	m	1,469.90	10,187.67	16.7.2	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16-29-e-ii	R.C.C. Pipe Culvert Aashto M 170 Dia 1070 mm	100 Rft	5,842.37	312,052.13	m	191.68	10,237.93	16.7.2	
16-29-f-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 1220mm	100 Rft	50,412.18	357,072.88	m	1,653.94	11,714.99	16.7.2	
16-29-f-ii	R.C.C. Pipe Culvert AASHTO M 170 Dia 1220 mm	100 Rft	5,302.44	356,664.16	m	173.96	11,701.58	16.7.2	
16-29-g-i	Reinforced Concrete Pipe Culvert (AASHTO M-170) Dia: 1520mm	100 Rft	56,006.12	859,479.06	m	1,837.47	28,198.13	16.7.2	
16-29-g-ii	R.C.C. Pipe Culvert Aashto M 170 Dia 1520 mm	100 Rft	5,468.40	859,215.75	m	179.41	28,189.50	16.7.2	
16-30	Granular Material in Bed to RCC Pipe Culvert	100 Cft	686.78	4,493.31	m3	242.54	1,586.80	16.7.2	
16-31	Concrete Class B in Bedding and Encasement of Concrete Pipe Culvert	100 Cft	5,203.14	27,522.04	m3	1,837.47	9,719.33	16.7.3.2.2	
16-32-a	Confirmatory Boring including SPT's, samples, lab test bore-hole logs & Report : Alluvial Soils	100 Rft	99,225.00	303,570.00	m	3,255.41	9,959.65	18.1.4.9	a) The bore hole dia shall not be less than 200mm and the method of execution of pre-construction boring shall be done with casing and appropriate to soil encountered.
16-32-b	Confirmatory Boring including SPT's, samples, lab test, bore-hole logs, report : in Gravelly Soil	100 Rft	99,225.00	278,475.00	m	3,255.41	9,136.32	18.1.4.9	b) Preparation and submission of bore-logs based on soil classification with SPT's values as per BS-1377 is included in the rate.
16-33	Pile Load Test Upto 120 Ton	Job	3,123.75	126,567.17	Job	3,123.75	126,567.20	18.1.4.7	
16-34-a	Pile Load Testing : Max Load up to 121-240 tonne	Job	0.00	530,205.50	Job	0.00	530,205.50	18.1.4.7	Rates includes all material, equipment, instruments and temporary work required to construct anchor pile, load test and load settlement readings and preparation of graphs of the test pile, Less Cost of Test Pile.
16-34-b	Pile Load Testing : Max Load 241 - 300 tonne	Job	0.00	560,678.00	Job	0.00	560,678.00	18.1.4.7	
16-34-c	Pile Load Testing : Max Load 301 - 360 tonne	Job	0.00	591,150.50	Job	0.00	591,150.50	18.1.4.7	
16-34-d	Pile Load Testing : Max Load 361 - 600 tonne	Job	0.00	611,465.50	Job	0.00	611,465.50	18.1.4.7	
16-34-e	Pile Load Test Upto 601-900 Ton	Each	0.00	629,390.50	Each	0.00	629,390.50	18.1.4.7	
16-34-f	Pile Load test using hydraulic Jack system (601-900) Tonne (Only Kentlage Load test charges)	Job.	0.00	221,075.00	Job	0.00	221,075.00	18.1.4.7	



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16-34-g	Pile load test: (Pre high Strain Dynamic load test as per ASTM D 4945-08 including field data analysis results with report etc complete Max Load 1100 tons	Job.	0.00	641,340.50	Job	0.00	641,340.50	18.1.4.7	
16-35-a	Boring for Cast-in-place RCC Piles in Alluvial Soils : Dia up to 760mm	100 Rft	0.00	204,345.00	m	0.00	6,704.23	18.1.4.9	
16-35-b	Boring for Cast-in-place RCC Piles in Alluvial Soils : Dia 761 - 1220 mm	100 Rft	0.00	182,835.00	m	0.00	5,998.52	18.1.4.9	
16-35-c	Boring for Cast-in-place RCC Piles in Alluvial Soils : Dia 1221 - 2000 mm	100 Cft	0.00	203,150.00	m	0.00	6,665.03	18.1.4.2.3	
16-36-a	Boring for Cast-in-place RCC Piles in Gravelly Soils : Dia up to 660mm	100 Rft	0.00	179,250.00	m	0.00	5,880.91	18.1.4.2.3	
16-36-c	Boring with temporary casing in gravelly subsoil for 760-1220 mm diameter pile.	100 Rft	99,225.00	282,060.00	m	3,255.41	9,253.94	18.1.4.2.3	
16-36-d	Boring with temporary casing in any type of Rock (till appropriate degree of socket & RQD value not less than 90%) for 720-1220 mm diameter pile.	100 Rft	99,225.00	303,570.00	m	3,255.41	9,959.65	18.1.4.2.3	
16-37	Supply fabricate & install welded MS lining in piles of thickness as per specs/drwg	100 Kg	1,991.84	19,916.84	kg	19.92	199.17	18.1.4.2.2 , 18.3.3.2	
16-38-a	Supply and Fixing Neoprene Bearing Pad as per specs & design	Cubic Inch	1.10	65.63	cm3	0.07	4.01	16.6.8	
16-38-b	Supply and Fixing Steel Bearing Pads as per specs & design	100 Kg	2,654.89	21,894.39	kg	26.55	218.94	16.6.8	
16-39	Supply and Fixing spirally wound sheath of 50mm dia. For pre-stressing of cables in precast conc. Girders	100 Rft	1,064.13	8,951.13	m	34.91	293.67	16.6.7	
16-40	Supply and Fixing stressing anchorages for high tensile steel wire cables in precast girders	Set	174.56	951.31	Set	174.56	951.31	16.6.7	
16-41	Launching girders in place, including lifting & handling if any	Ft	634.91	758.83	m	2,083.04	2,489.61		
16-42	Stressing Cable of High Tensile Steel Wire Strands	Each	992.25	1,390.19	Each	992.25	1,390.19	16.6.7	
16-43-a	Providing and fixing GI Steel (Hamp core) Ropes 1/2" dia	100Rft	1,344.17	31,353.87	m	44.10	1,028.67	16.10	
16-43-b	Providing and fixing GI Steel (Hamp core) Ropes 3/4" dia	100Rft	1,344.17	39,133.32	m	44.10	1,283.90	16.10	
16-43-c	Providing and fixing GI Steel (Hamp core) Ropes 1" dia	100Rft	1,344.17	44,779.69	m	44.10	1,469.15	16.10	
16-43-d	Providing and fixing GI Steel U Grips 1.5" dia	Each	183.75	469.56	Each	183.75	469.56	16.12	



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16-43-e	Providing and fixing GI Steel U Grips 1" dia	Each	183.75	448.77	Each	183.75	448.77	16.12	
16-43-f	Providing and fixing GI Steel U Grips 3/4" dia	Each	183.75	469.56	Each	183.75	469.56	16.12	
16-43-g	Providing and fixing GI Steel Thimble plate 1.5" dia	Each	183.75	1,682.49	Each	183.75	1,682.49	16.11	
16-43-h	Providing and fixing GI Steel Thimble plate 1" dia	Each	183.75	1,682.49	Each	183.75	1,682.49	16.11	
16-43-i	Providing and fixing GI Steel Thimble plate 3/4" dia	Each	183.75	1,682.49	Each	183.75	1,682.49	16.11	
16-43-j	Providing and fixing GI Steel Thimble plate 1/2" dia	Each	183.75	1,682.49	Each	183.75	1,682.49	16.11	
16-44	Coupling machine for ropes	Each	735.00	1,855.31	Each	735.00	1,855.31		
16-45	Saddle plate for ropes	Each	735.00	1,481.88	Each	735.00	1,481.88	16.12	
16-46	Inject Cement Grout in Sheath Pipe after stressing	100 Rft	1,071.04	1,539.21	m	35.14	50.50	16.5.2.3.1 0.3	
16-47	Cement Stabilized Sub base	1000 Cft	96.06	34,523.84	m3	3.39	1,219.20	16.3.4	
16-48	Liquid Asphalt For Curing Seal, Type Mc-250	Ton	244.98	109,120.74	Ton	244.98	109,120.70	16.4.12	
16-49	Emulsified Asphalt For Curing Seal, Type SS-1	Ton	244.98	86,654.74	Ton	244.98	86,654.74	16.4.12	
16-50	Cement Stabilized Base	100 Cft	749.26	27,643.52	m3	264.60	9,762.23	16.3.4	
16-51	Repair to cracks to reinforced or plain cement concrete work by grouting with cement gun in (1:2) cement sand mortar including cutting the chase of required size	100 Rft	3,123.75	4,294.25	m	102.49	140.89	16.6.7.3.9	
16-52-a	Rock SN-Bolts (Grouted Bolts) 25mm dia - 2 m in length including fixing and strengthening etc.	Each	126.33	1,434.14	Each	126.33	1,434.14	16.6.9	
16-52-b	Rock SN-Bolts (Grouted Bolts) 25mm dia - 3 m in length including fixing and strengthening etc.	Each	126.33	2,022.44	Each	126.33	2,022.44	16.6.9	
16-52-c	Rock SN-Bolts (Grouted Bolts) 25mm dia - 4 m in length including fixing and strengthening etc.	Each	126.33	2,633.02	Each	126.33	2,633.02	16.6.9	
16-52-d	Rock SN-Bolts (Grouted Bolts) 25mm dia - 5 m in length including fixing and strengthening etc.	Each	126.33	3,243.61	Each	126.33	3,243.61	16.6.9	
16-53	Cut off projecting wire ends of cables & make good anchorage recess with 1:2:4 cem. conc.	Each	508.99	667.74	Each	508.99	667.74	16.6.7	
16-54	Supply and place in position MS expansion joint assemblies as specified & as per drawing	100 Kg	4,226.25	19,282.65	kg	42.26	192.83	6.9	
16-55	Supply and place in position galvanised steel 3" dia drain scuppers in deck slab as per specs/drwg	Each	205.19	508.72	Each	205.19	508.72	16.7.12	
16-56	Providing and Fixing rain water outlet of AC pipe	Each	110.25	180.87	Each	110.25	180.87	16.7.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
16-57	Supply and Fixing polystrene fill in expansion joints & under diaphragms at transoms.	100 Cft	5,561.01	9,385.01	m3	1,963.85	3,314.29	6.9	
16-58	Providing and Laying expansion joint of neoprene strip 4"x1/4" and plastic bitumen	100 Rft	104.13	17,431.63	m	3.42	571.90	16.6.8	
16-59-a	Deep Patching (0-15 Cm)	1000 Sft	182.06	21,984.29	m2	1.96	236.55	16.3.7	
16-59-b	Deep Patching (15-30 Cm)	1000 Sft	182.06	19,436.56	m2	1.96	209.14	16.3.7	
16-60	Providing and Laying 1" thick(consolidated) asphalt macadam with liquid asphalt (cut backs) of any approved grade with premixed sand seal coat, as specified.	100 Sft	1,029.00	5,579.60	m2	110.72	600.37	16.4.7	
16-61-a	CUT-BACK ASPHALT FOR BITUMINOUS PRIME COAT	1000 Sft	28.44	318.29	m2	0.31	3.42	16.4.3	
16-61-b	CUT-BACK ASPHALT FOR BITUMINOUS TACK COAT.	1000 Sft	11.39	118.25	m2	0.12	1.27	16.4.4	
16-62	Providing and Laying 2" thick (consolidated) asphalt macadam with liquid asphalt(cut backs) of approved grade with precoated bajri seal coat as specified.	100 Sft	1,176.00	8,546.70	m2	126.54	919.62	16.4.7	
16-63	Providing and Laying 3" thick (consolidated) asphalt macadam with liquid asphalt(cut backs) of approved grade with precoated bajri seal coat as specified.	100 Sft	1,617.00	12,098.35	m2	173.99	1,301.78	16.4.7	
16-64	Surface dressing with bitumen 80/100 or any other approved grade on a primary coat of liquid asphalt (cut backs) of any approved grade primer at 22lbs&bituman at 35lbs with 5cft of 1/2 standard size bajri per %sft of road surface complete with rolling.	100 Sft	38.88	3,266.32	m2	4.18	351.46	16.4.3	
16-65	Providing and Laying PVC pipe (b) 8" dia in foot path of bridge for utilities.	10 Rft	110.25	2,865.92	m	36.17	940.26	16.7.12	
16-66	Providing and filling sand behind abutment of bridges, culverts.	100 Cft	1,725.78	5,013.82	m3	609.45	1,770.61	3.9.6.2	
16-67	Formation of shoulder with permeable material Passing less than 7 % from 200 seive and P.I less than 4 as specified.	1000 Cft	2,460.78	27,169.79	m3	86.90	959.49	16.2.7	
16-68-a	Cold Milling of asphalt concrete 0-30 mm	100 Sft	44.10	650.60	m2	4.75	70.00	16.4.15	
16-68-b	Cold Milling of asphalt concrete 31-50 mm	100 Sft	29.40	502.14	m2	3.16	54.03	16.4.15	
16-68-c	Cold Milling of asphalt concrete 51-70 mm	100 Sft	36.75	509.49	m2	3.95	54.82	16.4.15	
16-69	Seal Coat / Pad Coat	100 Sft	295.84	1,536.80	m2	31.83	165.36	16.4.5.3.9	



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		Unit	Labour	Composite	Unit	Labour	Composite		
16-70	Providing and Laying Asphalt concrete in pot holes/ deep patching upto 30 cm including ramming complete	100 Cft	4,716.25	42,024.99	m3	1,665.53	14,841.00	16.4.10	
16-71	Grooving in existing BT road of size 4x4 cm @ 2 meter c/c.	100 Sft	471.63	471.63	m2	50.75	50.75	3.9.3	
16-72	Leveling dressing and compaction with power roller of existing base coarse layer after asphalt scarification.	100 Sft	1,398.03	1,989.26	m2	150.43	214.04	3.9.3 , 16.3	
16-73-a	Providing and fixing kerb stone (12"x18"x6") in cement sand mortar 1:3 in center media or round about as specified.	100 Rft	2,940.00	20,958.09	m	96.46	687.60	16.8.2	
16-73-b	Providing and fixing kerb stone (12"x14"x6") in cement sand mortar 1:3 in center media or round about as specified.	100 Rft	2,940.00	17,253.59	m	96.46	566.06	16.8.2	
16-73-c	Providing and fixing kerb stone (12"x12"x6") in cement sand mortar 1:3 in center media or round about as specified.	100 Rft	2,940.00	16,536.59	m	96.46	542.54	16.8.2	
16-74-a	Bailing out standing water by Mechanical mean.	100 Cft	16.23	105.86	m3	5.73	37.38	24.2.2	
16-74-b	Bailing out running water by Mechanical mean.	Cusec	16.23	195.48	Cumec	573.20	6,903.36	24.2.2	
16-75-a	Pavement marking in reflective thermoplast paint with glass beads for line 15 cm width.	100 Rft	404.25	3,122.88	m	13.26	102.46	16.8.10	
16-75-b	Pavement marking in reflective thermoplast paint with glass beads for line 20 cm width.	100 Rft	538.76	4,181.71	m	17.68	137.20	16.8.10	
16-75-c	Pavement marking in non-reflective thermoplast paint for line 15 cm width.	100 Rft	404.25	2,973.50	m	13.26	97.56	16.8.10	
16-75-d	Pavement marking in non-reflective thermoplast paint for line 20 cm width.	100 Rft	538.98	3,981.77	m	17.68	130.64	16.8.10	
16-76-a	Pavement marking in reflective chlorinated rubber paint with glass beads for line 15 cm width.	100 Rft	404.25	1,330.38	m	13.26	43.65	16.8.10	
16-76-b	Pavement marking in reflective chlorinated rubber paint with glass beads for line 20 cm width.	100 Rft	538.76	1,779.76	m	17.68	58.39	16.8.10	
16-77-a	Pavement marking in reflective chlorinated rubber paint for line 15 cm width.	100 Rft	404.25	1,210.88	m	13.26	39.73	16.8.10	
16-77-b	Pavement marking in reflective chlorinated rubber paint for line 20 cm width.	100 Rft	538.76	1,619.63	m	17.68	53.14	16.8.10	
16-78	Right of Way Marker	100 Each	3,675.00	41,761.61	Each	36.75	417.62	16.8.9	
16-79	Providing & laying stone soling in water logged area including granular filling & compaction complete.	100 Cft	1,470.00	6,967.00	m3	519.13	2,460.38	16.3.15	



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		Unit	Labour	Composite	Unit	Labour	Composite		
16-80	P/L 1" thick Gravel flat stone slabs in pavement with earth filling in voids	100Cft	5,880.00	12,019.31	m3	2,076.50	4,244.58		
16-81	Saw Cutting of Asphaltic Layers	Per Cut	117.60	322.59	Per Cut	117.60	322.59	16.9.4	
16-82	Leveling wearing course on existing surface of road.	100 Cft	804.40	48,769.18	m3	284.07	17,222.69	16.2.1.1.6	
16-83-a	Jack Anchorage For 20 to 24 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	174.56	13,797.56	Each	174.56	13,797.56	16.4.13.3. 3, 16.6.13.3. 8	
16-83-b	Jack Anchorage For 16 to 19 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	138.49	11,036.89	Each	138.49	11,036.89	16.6.7	
16-83-c	Jack Anchorage For 10 to 12 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	87.28	8,452.28	Each	87.28	8,452.28	16.6.7	
16-83-d	Jack Anchorage For 13 to 15 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	109.16	9,430.16	Each	109.16	9,430.16	16.6.7	
16-83-e	Jack Anchorage For 8 to 9 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	65.52	6,040.52	Each	65.52	6,040.52	16.6.7	
16-83-f	Jack Anchorage For 5 to 7 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	50.97	5,428.47	Each	50.97	5,428.47	16.6.7	
16-83-g	Jack Anchorage For upto 4 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	29.09	3,853.09	Each	29.09	3,853.09	16.6.7	
16-84-a	Un-galvanized Sheath for 20 to 24 Wires 0.5" Strand Cable	Rft	10.59	100.22	m	34.74	328.79	16.6.7	
16-84-b	Un-galvanized Sheath for 16 to 19 Wires 0.5" Strand Cable	Rft	8.26	85.94	m	27.11	281.95	16.6.7	
16-84-c	Un-galvanized Sheath for 13 to 15 Wires 0.5" Strand Cable	Rft	6.52	48.34	m	21.38	158.60	16.6.7	
16-84-d	Un-galvanized Sheath for 10 to 12 Wires 0.5" Strand Cable	Rft	5.24	43.48	m	17.18	142.64	16.6.7	
16-84-e	Un-galvanized Sheath for 8 to 9 Wires 0.5" Strand Cable	Rft	4.42	40.27	m	14.51	132.13	16.6.7	



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		Unit	Labour	Composite	Unit	Labour	Composite		
16-84-f	Un-galvanized Sheath for 5 to 7 Wires 0.5" Strand Cable	Rft	3.03	37.68	m	9.93	123.62	16.6.7	
16-84-g	Un-galvanized Sheath for upto 4 Wires 0.5" Strand Cable	Rft	1.75	32.82	m	5.73	107.66	16.6.7	
16-84-h	Stressing and Grouting for Cables above 24/0.5" (Single End Stressing).	Each	882.00	4,945.00	Each	882.00	4,945.00	16.6.7.3.9	
16-84-i	Stressing and Grouting for Cables ranging from 13/0.5" to 24/.05" (Single End Stressing).	Each	617.40	3,461.50	Each	617.40	3,461.50	16.6.7.3.9	
16-84-j	Stressing and Grouting for Cable below 13/0.5" (Single End Stressing).	Each	426.30	2,559.37	Each	426.30	2,559.38	16.6.7.3.9	
16-85-a	Supply of High Tensile Pre-stressed concrete steel wire strand Grade 270K 0.5" dia. Packed in standard reeless/weldless coils of two 2000 kgs approximately binded and wraped in Hessian Cloth.	Tonne	0.00	190,005.00	ton	0.00	193,054.02	16.6.7	
16-85-b	Supply of P.C Steel wire Dia 4 mm and 5 mm. Packed in reeless coils of 600 kgs to 800kgs properly binded.	tonne	0.00	141,010.00	ton	0.00	143,302.84	16.6.7	
16-85-c	Supply of P.C Steel wire Dia 4 mm and 5 mm. Packed in reeless coils of 600 kgs to 800kgs properly binded.	Tonne	0.00	108,745.00	ton	0.00	110,490.03	16.6.7	
16-86-a	Galvanized Sheath for 20 to 24 Wires 0.5" Strand Cable	Rft	10.59	271.10	m	34.74	889.44	16.6.7	
16-86-b	Galvanized Sheath for 16 to 19 Wires 0.5" Strand Cable	Rft	8.26	259.21	m	27.11	850.44	16.6.7	
16-86-c	Galvanized Sheath for 13 to 15 Wires 0.5" Strand Cable	Rft	6.52	229.98	m	21.38	754.53	16.6.7	
16-86-d	Galvanized Sheath for 10 to 12 Wires 0.5" Strand Cable	Rft	5.24	182.10	m	17.18	597.43	16.6.7	
16-86-e	Galvanized Sheath for 8 to 9 Wires 0.5" Strand Cable	Rft	4.42	164.55	m	14.51	539.87	16.6.7	
16-86-f	Galvanized Sheath for 5 to 7 Wires 0.5" Strand Cable	Rft	3.03	154.79	m	9.93	507.84	16.6.7	
16-86-g	Galvanized Sheath for upto 4 Wires 0.5" Strand Cable	Rft	1.75	135.82	m	5.73	445.62	16.6.7	
16-87-a	Precast Reinforced Concrete Kerb New Jersey Barrier for Median (Double Face)	8 Rft	3,123.75	23,743.67	m	1,281.07	9,737.40	16.8.2	
16-87-b	Precast Reinforced Concrete Kerb New Jersey Barrier for Bridge (Single Face)	8 Rft	3,123.75	18,650.21	m	1,281.07	7,648.54	16.8.2	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16-88-a	Metal Guard Rail	Rft	47.78	934.94	m	156.74	3,067.40	16.8.4	
16-88-b	Metal Guard Rail End Pieces	Each	60.64	3,275.19	Each	60.64	3,275.19	16.8.4	
16-88-c	Steel Post of Metal Guard Rail	Each	147.00	4,975.16	Each	147.00	4,975.16	16.8.4	
16-89-a	Concrete Beam Guardrail (including reinforcement)	Cft	160.69	885.34	m3	5,674.70	31,265.45	16.8.5	
16-89-b	Concrete Post For Guardrail (Incl. Reinforcement)	Cft	160.69	877.18	m3	5,674.70	30,977.21	16.8.5.2.2	
16-90-a	Sand Asphalt (Plant Mixed) layer for sealing cracked road surface (Asphalt content 6.3%) having average thickness 1.25 cm	100 Cft	918.69	61,253.42	m3	324.43	21,631.46		
16-90-b	Sand Asphalt (Plant Mixed) layer for sealing cracked road surface (Asphalt content 6.3%) having average thickness 1.25 cm	100 Sft	37.66	2,512.45	m2	4.05	270.34		



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 17 LINING OF CANALS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
17-01-a	Formation, dressing and preparing sub-grade in bed	100 Sft	646.80	646.80	m2	69.60	69.60	17.3.1, 17.3.3	1.Rates for all finished work include the removal of surplus debris, unused material and by products. 2.The rates include curing for specified period wherever necessary. 3.Nominal dimensions of tile or brick shall be taken for the purpose on measurement
17-01-b	Formation, dressing and preparing sub-grade on slope	100 Sft	882.00	882.00	m2	94.90	94.90	17.3.1, 17.3.3	
17-02	Stabilized layer of cement, sand mortar 1:30 2" thick on slope	100 Sft	1,764.00	2,522.82	m2	189.81	271.46	17.2.5	
17-03-a	1/2" thick plaster of cement, sand mortar 1:10 in bed	100 Sft	1,270.08	1,593.92	m2	136.66	171.51	17.2.5	
17-03-b	1/2" thick plaster of cement, sand mortar 1:10 On slope	100 Sft	1,617.00	1,940.84	m2	173.99	208.83	17.2.5	
17-04-a	1/2" thick plaster of cement, sand mortar 1:6 in bed	100 Sft	1,617.00	2,981.09	m2	173.99	320.77	17.2.5	
17-04-b	1" thick plaster of cement, sand mortar 1:6 On slope	100 Sft	2,058.00	3,422.09	m2	221.44	368.22	17.2.5	
17-05-a	3/8" thick plaster of cement, sand mortar 1:3 in bed	100 Sft	882.00	1,408.40	m2	94.90	151.54	17.2.5	
17-05-b	3/8" thick plaster of cement, sand mortar 1:3 On slope	100 Sft	2,021.25	2,547.65	m2	217.49	274.13	17.2.5	
17-06-a	Lining with Brick tiles 12"x6"x2", in c/s mortar 1:6 over a layer of 1/8" thick c/s mortar 1:6 (in bed)	100 Sft	7,901.25	30,852.42	m2	850.17	3,319.72	17.3.7	
17-06-b	Lining with Brick tiles 12"x6"x2", in c/s mortar 1:6 over a layer of 1/8" thick c/s mortar 1:6 (On slope)	100 Sft	9,003.75	31,954.92	m2	968.80	3,438.35	17.3.7	
17-07-a	Lining with Brick tiles 12"x6"x2", in c/s mortar 1:3 over a layer of 1/8" thick c/s mortar 1:3 (in bed)	100 Sft	7,901.25	32,458.50	m2	850.17	3,492.53	17.3.7	
17-07-b	Lining with Brick tiles 12"x6"x2", in c/s mortar 1:3 over a layer of 1/8" thick c/s mortar 1:3 (On slope)	100 Sft	9,003.75	33,561.00	m2	968.80	3,611.16	17.3.7	
17-08-a	Lining with bricks 9"x4.5"x3" (First Class) in c/s mort. 1:6 over a layer of 1/8" thick c/s mortar 1:6 (in bed)	100 Sft	7,901.25	26,747.60	m2	850.17	2,878.04	17.3.7	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 17 LINING OF CANALS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
17-08-b	Lining with bricks 9"x4.5"x3" (First Class), in c/s mort. 1:6 over a layer of 1/8" thick c/s mortar 1:6 (On slope)	100 Sft	9,003.75	27,850.10	m2	968.80	2,996.67	17.3.7	
17-09-a	Lining with bricks 9"x4.5"x3" (First Class), in c/s mort. 1:3 over a layer of 1/8" thick c/s mortar 1:3 (in bed)	100 Sft	7,901.25	28,353.68	m2	850.17	3,050.86	17.3.7	
17-09-b	Lining with bricks 9"x4.5"x3" (First Class), in c/s mort. 1:3 over a layer of 1/8" thick c/s mortar 1:3 (On slope)	100 Sft	9,003.75	29,456.18	m2	968.80	3,169.48	17.3.7	
17-10-a-01	4" thick PCC lining, using washed screened & graded/cursshed stone aggregate : in bed : Ratio 1:2:4	100 Cft	6,247.50	22,339.61	m3	2,206.29	7,889.17	17.2.7, 17.3.8.2	
17-10-a-02	4" thick PCC lining, using washed screened & graded/cursshed stone aggregate : in bed : Ratio 1:3:6	100 Cft	6,247.50	19,508.18	m3	2,206.29	6,889.26	17.2.7, 17.3.8.2	
17-10-a-03	4" thick PCC lining, using washed screened & graded/cursshed stone aggregate : in bed : Ratio 1:4:8	100 Cft	6,247.50	17,084.24	m3	2,206.29	6,033.25	17.2.7, 17.3.8.2	
17-10-b-01	4" thick PCC lining, using washed screened & graded/cursshed stone aggregate : On slope : Ratio 1:2:4	100 Cft	7,350.00	23,442.11	m3	2,595.63	8,278.51	17.2.7, 17.3.8.2	
17-10-b-02	4" thick PCC lining, using washed screened & graded/cursshed stone aggregate : On slope : Ratio 1:3:6	100 Cft	7,350.00	20,610.68	m3	2,595.63	7,278.60	17.2.7, 17.3.8.2	
17-10-b-03	4" thick PCC lining, using washed screened & graded/cursshed stone aggregate : On slope : Ratio 1:4:8	100 Cft	7,350.00	18,186.74	m3	2,595.63	6,422.59	17.2.7, 17.3.8.2	
17-11-a	Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, including lowering in water channels to correct alignment and grade, jointing, finishing where necessary, complete in all respects:- Top width- 14" (360mm) & Total Depth- 9"(225mm)	Rft	73.50	282.06	m	241.14	925.41	17.3.5	
17-11-b	Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, including lowering in water channels to correct alignment and grade, jointing, finishing where necessary,excluding carriage, complete in all respects:- Top width- 18" (457mm) & Total Depth- 12"(305mm)	Rft	84.53	324.42	m	277.31	1,064.37	17.3.5	



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Chapter # : 17 LINING OF CANALS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
17-11-c	Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, including lowering in water channels to correct alignment and grade, jointing, finishing where necessary, etc. complete in all respects:- Top width- 24" (600mm) & Total Depth- 14"(360mm)	Rft	95.55	383.43	m	313.48	1,257.96	17.3.5	
17-11-d	Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, including lowering in water channels to correct alignment and grade, jointing, finishing where necessary, etc. complete in all respects:- Top width- 25.5" (640mm) & Total Depth- 18"(460mm)	Rft	117.60	487.81	m	385.83	1,600.43	17.3.5	
17-11-e	Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, excluding carriage, lowering in water channels to correct alignment and grade, jointing, finishing where necessary, etc. complete in all respects:- Top width- 27" (675mm) & Total Depth- 19"(480mm)	Rft	139.65	530.65	m	458.17	1,740.99	17.3.5	
17-11-f	Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, excluding carriage, lowering in water channels to correct alignment and grade, jointing, finishing where necessary, etc. complete in all respects:- Top width- 30" (760mm) & Total Depth- 21"(525mm)	Rft	176.40	682.66	m	578.74	2,239.70	17.3.5	



GOVERNMENT OF KHYBER PAKHTUNKHWA

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MARKET RATE SYSTEM - 2020

Chapter # : 18 SHEET PILING

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
18-01	Cutting Ransome & Larson piles.	Each	321.56	321.56	Cut	321.56	321.56	18.1.4.1.3	
18-02	Cutting universal piles	Each	482.34	482.34	Cut	482.34	482.34	18.1.4.1.3	
18-03-a	Driving steel piles to depth of: Upto 15'	Rft	32.58	32.58	m	106.91	106.91	18.1.4.1	a) The rates includes laying and removing of track and also carriage way of piles to machine, average distance of 100 ft.
18-03-b	Driving steel piles to depth of: More than 15' to 25'	Rft	45.08	45.08	m	147.90	147.90	18.1.4.1	
18-03-c	Driving steel piles to depth of: More than 25' to 30'	Rft	47.16	47.16	m	154.73	154.73	18.1.4.1	c) T-piles and adjustable junction piles will be counted as two piles.
18-04	Dollying piles upto 5'	Each	340.31	340.30	Each	340.30	340.30	18.1.4.1.3	
18-05	Drilling holes in piles by hand	Each	42.45	42.45	Each	42.45	42.45	18.1.4.1.3	
18-06	Raising and lowering machine	Each	13,939.89	13,939.89	Each	13,939.89	13,939.89	18.1.4.1.3	
18-07-a	Turning Machine : 90	Job	6,027.00	6,027.00	Job	6,027.00	6,027.00	18.1.4.1.3	
18-07-b	Turning Machine : 135	Job	7,693.00	7,693.00	Job	7,693.00	7,693.00	18.1.4.1.3	
18-07-c	Turning Machine : 180	Job	10,535.00	10,535.00	Job	10,535.00	10,535.00	18.1.4.1.3	
18-08	Travelling machine (light)	100 Rft	15,696.89	15,696.89	m	514.99	514.99	18.1.4.1	
18-09	Loading and unloading piles	tonne	318.25	318.25	tonne	318.26	318.26	18.3.3	To be done by hand carts or ramps, including cost of ropes.
18-10	Carriage of piling machine under different conditions	100 Rft	6,509.90	6,509.90	m	213.58	213.58	18.1.4.1.3	
18-11	Erecting piling machines	Each	42,481.59	42,481.59	Each	42,481.59	42,481.59	18.1.4.1.3	
18-12	Dismantling piling machine	Each	40,459.67	40,459.67	Each	40,459.67	40,459.67	18.1.4.1.3	
18-13	Hire charges of piling plant with accessories including fuel, pay of operator and other mechanical staff, mobilization, demobilization and idle time	per day	0.00	5,975.00	per day	0.00	5,975.00	18.1.4.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-01	Cutting pilchi, frash or sarkanda including carriage within one mile. (1.6 km.)	100 Cft	1,117.20	1,117.20	m3	394.54	394.54		
19-02	Weaving mattresses	100 Sft	2,646.00	2,646.00	m2	284.71	284.71		
19-03-a	Supply & filling used synthetic fibre/plastic bags 1.25cft capacity with sand or earth, sewing & stacking : in dry	Each	59.53	95.38	Each	59.53	95.38	19.3.4	The rate does not include supply of sand or earth for filling bags, which will be paid extra from item 19-03-a to 19-04-d
19-03-b	Supply & filling used synthetic fibre/plastic bags 1.25cft capacity with sand or earth, sewing & stacking : Under water	Each	74.24	110.08	Each	74.24	110.08	19.3.4	
19-03-c	Supplying and filling used jute bags, 1.25 cft capacity with sand or earth, sewing and stacking: in dry.	Each	59.53	167.08	Each	59.53	167.09	19.3.4	
19-03-d	Supplying and filling used jute bags 1.25 cft capacity with sand or earth, sewing & stacking : Under Water	Each	74.24	181.79	Each	74.24	181.79	19.3.4	
19-04-a	Supply & filling new synthetic fibre/plastic bags 4-5cft capacity with sand or earth,sewing, stacking : in dry	Each	238.14	296.70	Each	238.14	296.70	19.3.4	
19-04-b	Supply & filling new synthetic fibre/plastic bags 4-5cft capacity with sand or earth,sewing, stacking : Under water	Each	296.94	355.50	Each	296.94	355.49	19.3.4	
19-04-c	Supply & filling used jute bags 4-5 cft capacity with sand or earth, sewing & stacking : in dry	Each	238.14	417.39	Each	238.14	417.39	19.3.4	
19-04-d	Supply & filling used jute bags 4-5 capacity with sand or earth, sewing & stacking : Under Water	Each	296.94	476.19	Each	296.94	476.19	19.3.4	
19-05-a	Carriage of synthetic fibre/plastic bags 1.25 cft capacity filled with sand / earth : 1st 50 m	100 No.	301.35	301.35	100 No.	301.35	301.35	19.3.4	
19-05-b	Carriage of synthetic fibre/plastic bags 1.25 cft capacity filled with sand / earth : 2nd & 3rd 50 m	100No/50m	227.85	227.85	100No/50 m	227.85	227.85	19.3.4	
19-05-c	Carriage of synthetic fibre/plastic bags 1.25 cft capacity filled with sand / earth : 4th and subsequent 50 m	100No/50m	24.99	24.99	100No/50 m	24.99	24.99	19.3.4	
19-06-a	Carriage of new synthetic fibre/plastic bags 4-5 cft capacity filled with sand/earth : 1st 50 m	100No/50m	1,205.40	1,205.40	100No/50 m	1,205.40	1,205.40	19.3.4	
19-06-b	Carriage of new synthetic fibre/plastic bags 4-5 cft capacity filled with sand/earth : 2nd & 3rd 50 m	100No/50m	911.40	911.40	100No/50 m	911.40	911.40	19.3.4	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-06-c	Carriage of new synthetic fibre/plastic bags 4-5 cft capacity filled with sand/earth : 4th & subsequent 50 m	100No/50m	99.96	99.96	100No/50 m	99.96	99.96	19.3.4	
19-07-a	Rolling mattresses to river edge & floating, after unrolling with area : Upto 200 m2	100 Sft	808.50	808.50	m2	86.99	86.99	19.3.4	
19-07-b	Rolling mattresses to river edge & floating, after unrolling with area : Over 200 to 250 m2	100 Sft	1,286.25	1,286.25	m2	138.40	138.40	19.3.4	
19-07-c	Rolling mattresses to river edge & floating, after unrolling with area : Over 250 m2	100 Sft	1,536.15	1,536.15	m2	165.29	165.29	19.3.4	
19-08	Sewing empty cement bags in sheets	100 No.	1,065.75	1,116.86	100 No.	1,065.75	1,116.86		
19-09	Making compact round pilchi, frash or sarkanda round bundles of specified size for the work	100 Cft	1,433.25	1,433.25	m3	506.15	506.15	19.2.1 , 19.3.1	
19-10	Launching the bundles mentioned in Item 19-09 above & placing in position	100 Cft	882.00	882.00	m3	311.48	311.48	19.2.1 , 19.3.1	
19-11-a	Supply and staking within 150m (500 feet) : Boulders 9" (225 m) and above	100 Cft	2,128.56	2,128.56	m3	751.69	751.69	19.3.2	
19-11-b	Supply within 150m (500 feet) : Over size shingle 3" to 9"	100 Cft	1,422.96	1,422.96	m3	502.51	502.51	19.2.2 , 19.3.2	
19-11-c	Supply within 150m (500 feet): Mixed graded shingle	100 Cft	1,681.68	1,681.68	m3	593.88	593.88	19.2.2 , 19.3.3	
19-12	Supplying and stacking munj or patha trungers (6" mesh to hold 3 cft) stones/boulders	Each	183.75	245.39	Each	183.75	245.39	19.2.1	
19-13-a-01	Provide & weave GI wire netting for wire crates 6"x9" mesh : 15 SWG wire	100 Sft	1,515.94	2,318.98	m2	163.11	249.52	19.3.4.9	
19-13-a-02	Provide & weave GI wire netting for wire crates 6"x9" mesh : 10 SWG wire	100 Sft	1,515.94	4,011.30	m2	163.11	431.62	19.3.4.9	
19-13-a-03	Provide & weave GI wire netting for wire crates 6"x9" mesh : 8 SWG wire	100 Sft	1,515.94	4,358.60	m2	163.11	468.99	19.3.4.9	
19-13-b-01	Provide & weave GI wire netting for wire crates 6"x6" mesh : 15 SWG wire	100 Sft	1,819.13	2,437.47	m2	195.74	262.27	19.3.4.9	
19-13-b-02	Provide & weave GI wire netting for wire crates 6"x6" mesh : 10 SWG wire	100 Sft	1,819.13	3,739.23	m2	195.74	402.34	19.3.4.9	
19-13-b-03	Provide & weave GI wire netting for wire crates 6"x6" mesh : 8 SWG wire	100 Sft	1,819.13	5,528.21	m2	195.74	594.84	19.3.4.9	
19-13-c-01	Provide & weave GI wire netting for wire crates 4"x4" mesh : 15 SWG wire	100 Sft	2,021.25	2,950.77	m2	217.49	317.50	19.3.4.9	
19-13-c-02	Provide & weave GI wire netting for wire crates 4"x4" mesh : 10 SWG wire	100 Sft	2,021.25	4,901.40	m2	217.49	527.39	19.3.4.9	



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Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-13-c-03	Provide & weave GI wire netting for wire crates 4"x4" mesh : 8 SWG wire	100 Sft	2,021.25	6,284.34	m2	217.49	676.20	19.3.4.9	
19-14	Providing and Laying shingle on top of bund, including handling of materials within 100 m.	100 Cft	735.00	4,843.41	m3	259.56	1,710.44	19.3.2	
19-15-a	Supply & dump at site, without boat, including handling within 100m : Stone	100 Cft	1,470.00	6,011.00	m3	519.13	2,122.77	19.3.5.3	
19-15-a-01	Supply & dump at site, without boat, including handling within 100m: boulders	100 Cft	1,470.00	3,286.40	m3	519.13	1,160.58	19.3.5.3	
19-15-b	Supply & dump at site, without boat, including handling within 100m : Shingle or spawls	100 Cft	1,470.00	5,578.41	m3	519.13	1,970.00	19.3.5.3	
19-15-c	Supply & dump at site, without boat, including handling within 100m : Brick bats	100 Cft	1,102.50	5,882.50	m3	389.34	2,077.39	19.3.5.3	
19-16-a	Supplying and dumping by boat, including loading within 100m lead : Stone or boulder	100 Cft	2,817.50	4,633.90	m3	994.99	1,636.45	19.3.5.3	
19-16-b	Supplying and dumping by boat, including loading within 100m lead : Shingle or spawls	100 Cft	2,817.50	6,925.91	m3	994.99	2,445.86	19.3.2	
19-16-c	Supplying and dumping by boat, including loading within 100m lead : Brick bats	100 Cft	2,296.88	7,076.88	m3	811.13	2,499.18	19.3.5.3	
19-17-a	Provide & fill brick bats in crates, excluding cost of crates : without hand packing.	100 Cft	1,837.50	6,617.50	m3	648.91	2,336.95	19.3.5.3	
19-17-b	Provide & fill brick bats in crates, excluding cost of crates : with hand packing.	100 Cft	3,246.25	8,026.25	m3	1,146.40	2,834.45	19.3.5.3	
19-18-a	Supply & fill bricks in wire crates including sewing crates, excl cost of crates : Stone or boulder	100 Cft	1,587.60	3,404.00	m3	560.66	1,202.11	19.3.4	
19-18-b	Supply & fill bricks in wire crates including sewing crates, excl cost of crates : Shingle or spawls	100 Cft	1,580.25	5,688.66	m3	558.06	2,008.93	19.3.4	
19-19	Extra for anchoring boat for dumping by boats or tipping crates	100 Cft	208.25	208.25	m3	73.54	73.54	19.3.4	
19-20	Extra for tipping crates (in addition to aching boats)	100 Cft	1,470.00	1,470.00	m3	519.13	519.13	19.3.4	
19-21	Pilchi revetment, including carriage upto 1.6 km (one mile)	100 Sft	735.00	1,602.57	m2	79.09	172.44	19.2.1 , 19.3.1	
19-22	Surface protection with pilchi mattresses including carriage upto 1.6 km.	100 Sft	1,837.50	1,911.11	m2	197.71	205.64	19.2.1 , 19.3.1	
19-23	Pilchi, sarkanda or frash pitching on slopes, incl supply within 1.5 km, pegging & tying with wire	100 Sft	1,470.00	3,262.83	m2	158.17	351.08	19.2.1 , 19.3.1	



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Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-24-a	P&E groynes, vertical wooden stakes 7"-12" dia Upto 1.5 m high, single row of stakes at 0.3m	100 Sft	735.00	4,419.24	m2	79.09	475.51	19.3.5	
19-24-b	P&E groynes, vertical wooden stakes 7"-12" dia Upto 3 m high, double row of stakes at 0.6m	100 Sft	3,185.00	7,363.16	m2	342.71	792.28	19.3.5	
19-25	Providing and Laying stone pitching/filling, dry hand packed in pitching & aprons	100 Cft	1,776.25	6,317.25	m3	627.28	2,230.92	19.2.2 , 19.3.2	
19-26	Supplying stone and stone filling in GI wire crate and its sewing, excluding cost of crates	100 Cft	2,511.25	7,052.25	m3	886.84	2,490.48	19.2.2 , 19.3.2	
19-27	Providing and Laying stone pitching with hammer dressed stones on surface, laid in courses	100 Cft	4,287.50	9,736.70	m3	1,514.12	3,438.49	19.2.2 , 19.3.2	
19-28-a	Providing and Laying stone pitching for top layer only : On slope	100 Cft	5,757.50	11,206.70	m3	2,033.24	3,957.61	19.2.2 , 19.3.2	
19-28-b	Providing and Laying stone pitching for top layer only : On level	100 Cft	4,287.50	9,736.70	m3	1,514.12	3,438.49	19.2.2 , 19.3.2	
19-29-a	Providing and Laying stone or spawl filling : On slope	100 Cft	995.31	5,990.41	m3	351.49	2,115.50	19.2.2 , 19.3.2	
19-29-b	Providing and Laying stone or spawl filling : On level	100 Cft	811.56	5,806.66	m3	286.60	2,050.61	19.2.2 , 19.3.2	
19-30-a	Providing and Laying grouted stone pitching, in 1:8 c/s mortar Top layer on slope	100 Cft	7,380.63	15,270.61	m3	2,606.45	5,392.77	19.2.2 , 19.3.2	
19-30-b	Providing and Laying grouted stone pitching, in 1:8 c/s mortar Top layer on level	100 Cft	6,125.00	14,014.99	m3	2,163.03	4,949.35	19.2.2 , 19.3.2	
19-30-c	Providing and Laying grouted stone pitching, in 1:8 c/s mortar Stone pitching/filling on slope or on level	100 Cft	5,129.69	13,019.67	m3	1,811.53	4,597.86	19.2.2 , 19.3.2	
19-30-d	Providing and Laying grouted stone pitching, in 1:6 c/s mortar Stone pitching/filling on slope or on level	100 Cft	5,129.69	12,860.26	m3	1,811.53	4,541.56	19.2.2 , 19.3.2	
19-31-a	Grouting stone pitching or apron etc, in : Cement, sand mortar(1:3)	100 Sft	2,802.19	7,283.44	m2	301.52	783.70	19.2.2 , 19.3.2	
19-31-b	Grouting stone pitching or apron etc, in : Cement, sand mortar(1:8)	100 Sft	2,802.19	5,187.65	m2	301.52	558.19	19.2.2 , 19.3.2	
19-31-c	Grouting stone pitching or apron etc, in : Cement, sand mortar(1:6)	100 Sft	2,802.19	5,028.47	m2	301.52	541.06	19.2.2 , 19.3.2	
19-31-d	Providing and Laying grouted stone pitching, in PCC 1:3:6 on slope or on level	100 Cft	5,129.69	13,519.46	m3	1,811.53	4,774.36	19.2.2 , 19.3.2	
19-32	Sand grouting in stone apron, with high pressure hose	100 Sft	995.31	1,999.11	m2	107.10	215.10	19.2.2 , 19.3.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-33	Grouting stone filling or pitching with bajri	100 Cft	918.75	2,151.27	m3	324.45	759.72	19.2.2 , 19.3.2	
19-34	Remove stone & repitching hand packed, on slopes or level, making good damaged portion	100 Cft	5,328.75	5,328.75	m3	1,881.83	1,881.83	19.2.2 , 19.3.2	
19-35	Collect & stack boulders from nullah beds or loose shale etc within 100m lead	100 Cft	2,205.00	2,205.00	m3	778.69	778.69	19.2.2 , 19.3.2	
19-36	Levelling and dressing stone filling under blocks and grouting with shingle	100 Cft	995.31	2,227.84	m3	351.49	786.75	19.2.2 , 19.3.2	
19-37	Grouting jharies between blocks with bajri	100 Cft	1,623.13	2,855.65	m3	573.20	1,008.46		
19-38-a	Breaking stone into spawls and stacking	100 Cft	882.00	882.00	m3	311.48	311.48		
19-38-b	Stone pitching with hammer dressed stone on surface laid in courses including carriage of material with in 91.50 (300 feet) meters.	100 Cft	6,017.81	11,467.01	m3	2,125.17	4,049.54	19.2.2 , 19.3.2	
19-38-c	Stone pitching hand packed with surface levelled off to the correct section with hammer dressed stone and voids filled in 1:8 cement mortar in floors of bridges and along banks and in aprons etc including 91.50 meter lead.	100 Cft	7,013.13	14,867.86	m3	2,476.66	5,250.54	19.2.2 , 19.3.2	
19-38-d	Removing stone and repitching, hand packed on slopes after making good damage slope.	100 Cft	2,725.63	2,725.63	m3	962.55	962.55	19.2.2 , 19.3.2	
19-38-e	Collecting and stacking boulders from nullah beds or loose shale from any other site, within 91.50 (300 feet) meter lead	100 Cft	1,470.00	1,470.00	m3	519.13	519.13	19.3.5.3	
19-38-f-01	Stone pitching for top layer only on slope	100 Cft	5,757.50	11,206.70	m3	2,033.24	3,957.61	19.2.2 , 19.3.2	
19-38-f-02	Stone pitching for top layer only on Bed	100 Cft	4,287.50	9,736.70	m3	1,514.12	3,438.49	19.2.2 , 19.3.2	
19-38-g-01	Laying stone or spawl filling. a) on level	100 Cft	811.56	5,806.66	m3	286.60	2,050.61	19.2.2 , 19.3.2	
19-38-g-02	Laying stone or spawl filling. a) on slope	100 Cft	995.31	5,990.41	m3	351.49	2,115.50	19.2.2 , 19.3.2	
19-39-a	Fix floating spurs, with material from canal plantation within 1 km : Upto 2' FS depth\	Each	38.28	38.28	Each	38.28	38.28	19.3.4	
19-39-b	Fix floating spurs, with material from canal plantation within 1 km : Over 2' to 3' FS depth	Each	54.33	54.33	Each	54.33	54.33	19.3.4	
19-39-c	Fix floating spurs, with material from canal plantation within 1 km: Over 3' to 4' FS depth	Each	76.56	76.56	Each	76.56	76.56	19.3.4	
19-39-d	Fix floating spurs, with material from canal plantation within 1 km: Exceeding 4' depth	Each	153.13	153.13	Each	153.13	153.13	19.3.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-40-a-01	Stake & bush from canal plantation etc : Pegs 3.5' long, 3"-6" dia: Unsharpened within 1km	100 No.	2,396.10	2,969.70	100 No.	2,396.10	2,969.70	19.3.4	
19-40-a-02	Stake & bush from canal plantation etc : Pegs 3.5' long, 3"-6" dia: Sharpening one end	100 No.	1,102.50	1,102.50	100 No.	1,102.50	1,102.50	19.3.4	
19-40-a-03	Stake & bush from canal plantation etc : Pegs 3.5' long, 3"-6" dia:Driving 1' below ground	100 No.	918.75	918.75	100 No.	918.75	918.75	19.3.4	
19-40-a-04	Stake & bush from canal plantation etc : Pegs 3.5' long, 3"-6" dia: Tying with munj, patha ban	100 Rft	367.50	401.56	m	12.06	13.17	19.3.4	
19-40-a-05	Stake & bush from canal plantation etc : Pegs 3.5' long, 3"-6" dia: Wattle+intertwine brushwood	100 Rft	2,572.50	23,963.00	m	84.40	786.19	19.3.4	
19-40-b-01	Stake & bush from canal plantation etc : Pegs 4' long, 3"-6" dia:Unsharpened within 1km	100 No.	2,763.60	24,154.10	100 No.	2,763.60	24,154.10	19.3.4	
19-40-b-02	Stake & bush from canal plantation etc : Pegs 4' long, 3"-6" dia: Sharpening one end	100 No.	1,102.50	1,102.50	100 No.	1,102.50	1,102.50	19.3.4	
19-40-b-03	Stake & bush from canal plantation etc : Pegs 4' long, 3"-6" dia: Driving 1.25' below ground	100 No.	1,286.25	1,286.25	100 No.	1,286.25	1,286.25	19.3.4	
19-40-b-04	Stake & bush from canal plantation etc : Pegs 4' long, 3"-6" dia: Tying with munj, patha ban	100 Rft	367.50	401.56	m	12.06	13.17	19.3.4	
19-40-b-05	Stake & bush from canal plantation etc : Pegs 4' long, 3"-6" dia: Wattle+intertwine brushwood	100 Rft	3,123.75	24,514.25	m	102.49	804.27	19.3.4	
19-40-c-01	Stake & bush from canal plantation etc : Pegs 5' long, 3"-6" dia: Unsharpened within 1km	100 No.	3,307.50	24,698.00	100 No.	3,307.50	24,698.00	19.3.4	
19-40-c-02	Stake & bush from canal plantation etc : Pegs 5' long, 3"-6" dia: Sharpening one end	100 No.	1,176.00	1,176.00	100 No.	1,176.00	1,176.00	19.3.4	
19-40-c-03	Stake & bush from canal plantation etc : Pegs 5' long, 3"-6" dia:Driving 1.5' below ground	100 No.	1,384.86	1,384.86	100 No.	1,384.86	1,384.86	19.3.4	
19-40-c-04	Stake & bush from canal plantation etc : Pegs 5' long, 3"-6" dia: Tying with munj, patha ban	100 Rft	367.50	401.56	m	12.06	13.17	19.3.4	
19-40-c-05	Stake & bush from canal plantation etc : Pegs 5' long, 3"-6" dia: Wattle+intertwine brushwood	100 Rft	3,822.00	25,212.50	m	125.39	827.18	19.3.4	
19-40-d-01	Stake & bush from canal plantation etc : Pegs 6' long, 3"-6" dia: Unsharpened within 1km	100 Rft	4,042.50	4,616.10	m	132.63	151.45	19.3.4	
19-40-d-02	Stake & bush from canal plantation etc : Pegs 6' long, 3"-6" dia:Sharpening one end	100 No.	683.55	683.55	100 No.	683.55	683.55	19.3.4	
19-40-d-03	Stake & bush from canal plantation etc : Pegs 6' long, 3"-6" dia:Driving 1.75' below ground	100 No.	1,631.64	1,631.64	100 No.	1,631.64	1,631.64	19.3.4	
19-40-d-04	Stake & bush from canal plantation etc : Pegs 6' long, 3"-6" dia: Tying with munj, patha ban	100 Rft	367.50	401.56	m	12.06	13.17	19.3.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-40-d-05	Stake & bush from canal plantation etc : Pegs 6' long, 3"-6" dia: Wattle+intertwine brushwood	100 Rft	4,777.50	26,168.00	m	156.74	858.53	19.3.4	
19-40-e-01	Stake & bush from canal plantation etc : Pegs 8' long, 4"-8" dia:Unsharpened within 1km	100 No.	8,452.50	9,026.10	100 No.	8,452.50	9,026.10	19.3.4	
19-40-e-02	Stake & bush from canal plantation etc : Pegs 8' long, 4"-8" dia:Sharpening one end	100 No.	1,719.90	1,719.90	100 No.	1,719.90	1,719.90	19.3.4	
19-40-e-03	Stake & bush from canal plantation etc : Pegs 8' long, 4"-8" dia:Driving 2' below ground	100 No.	1,804.49	1,804.49	100 No.	1,804.49	1,804.49	19.3.4	
19-40-e-04	Stake & bush from canal plantation etc : Pegs 8' long, 4"-8" dia:Tying with munj, patha ban	100 Rft	367.50	408.37	m	12.06	13.40	19.3.4	
19-40-e-05	Stake & bush from canal plantation etc : Pegs 8' long, 4"-8" dia:Wattle+intertwine brushwood	100 Rft	5,512.50	26,903.00	m	180.86	882.64	19.3.4	
19-41-a-01	Stake, market bamboo, bush from any source 8'-10' long, 2.5"-5" dia: Supply bamboo	100 No.	0.00	22,227.00	100 No.	0.00	22,227.00	19.3.4	
19-41-a-02	Stake, market bamboo, bush from any source 8'-10' long, 2.5"-5" dia: Sharpen one end	100 No.	1,470.00	1,470.00	100 No.	1,470.00	1,470.00	19.3.4	
19-41-a-03	Stake, market bamboo, bush from any source 8'-10' long, 2.5"-5" dia: Driving bamboo 2.5	100 No.	2,575.56	2,575.56	100 No.	2,575.56	2,575.56	19.3.4	
19-41-a-04	Stake, market bamboo, bush from any source 8'-10' long, 2.5"-5" dia: Tying bamboo with wire	100 Rft	735.00	775.87	m	24.11	25.46	19.3.4	
19-41-a-05	Stake, market bamboo, bush from any source 8'-10' long, 2.5"-5" dia: Wattle & intertwine	100 Rft	6,982.50	41,207.30	m	229.08	1,351.95	19.3.4	
19-41-b-01	Stake, market bamboo, bush from any source 10'-12' long, 2.5"-5"dia : Supply bamboo	100 No.	0.00	28,560.50	100 No.	0.00	28,560.50	19.3.4	
19-41-b-02	Stake, market bamboo, bush from any source 10'-12' long, 2.5"-5"dia : Sharpen one end	100 No.	1,719.90	1,719.90	100 No.	1,719.90	1,719.90	19.3.4	
19-41-b-03	Stake, market bamboo, bush from any source 10'-12' long, 2.5"-5"dia : Driving bamboo 2.75	100 No.	2,186.62	2,186.62	100 No.	2,186.63	2,186.63	19.3.4	
19-41-b-04	Stake, market bamboo, bush from any source 10'-12' long, 2.5"-5"dia : Tying bamboo with wire	100 Rft	367.50	3,559.58	m	12.06	116.78	19.3.4	
19-41-b-05	Stake, market bamboo, bush from any source 10'-12' long, 2.5"-5"dia : Wattle & intertwine	100 Rft	8,673.00	51,454.00	m	284.55	1,688.12	19.3.4	
19-41-c-01	Stake, market bamboo, bush from any source 12'-14' long, 2.5"-5"dia : Supply bamboo	100 No.	0.00	29,516.50	100 No.	0.00	29,516.50	19.3.4	
19-41-c-02	Stake, market bamboo, bush from any source 12'-14' long, 2.5"-5"dia : Sharpen one end	100 No.	1,940.40	1,940.40	100 No.	1,940.40	1,940.40	19.3.4	
19-41-c-03	Stake, market bamboo, bush from any source 12'-14' long, 2.5"-5"dia : Driving bamboo 3.5	100 No	2,429.24	2,429.24	100 No	2,429.24	2,429.24	19.3.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 19 PROTECTION & DIVERSION

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19-41-c-04	Stake, market bamboo, bush from any source 12'-14' long, 2.5"-5"dia : Tying bamboo with wire	100 Rft	367.50	3,559.58	m	12.06	116.78	19.3.4	
19-41-c-05	Stake, market bamboo, bush from any source 12'-14' long, 2.5"-5"dia : Wattle & intertwine	100 Rft	10,120.95	70,014.35	m	332.05	2,297.06	19.3.4	
19-41-d-01	Stake, market bamboo, bush from any source 14'-16' long, 2.5"-5"dia : Supply bamboo	100 No.	0.00	31,787.00	100 No.	0.00	31,787.00	19.3.4	
19-41-d-02	Stake, market bamboo, bush from any source 14'-16' long, 2.5"-5"dia : Sharpen one end	100 No.	2,205.00	2,205.00	100 No.	2,205.00	2,205.00	19.3.4	
19-41-d-03	Stake, market bamboo, bush from any source 14'-16' long, 2.5"-5"dia : Driving bamboo 4'	100 No.	2,707.25	2,707.25	100 No.	2,707.25	2,707.25	19.3.4	
19-41-d-04	Stake, market bamboo, bush from any source 14'-16' long, 2.5"-5"dia : Tying bamboo with wire	100 Rft	520.63	3,408.70	m	17.08	111.83	19.3.4	
19-41-d-05	Stake, market bamboo, bush from any source 14'-16' long, 2.5"-5"dia : Wattle & intertwine	100 Rft	10,290.00	78,739.60	m	337.60	2,583.32	19.3.4	
19-41-e-01	Stake, market bamboo, bush from any source 16'-20' long, 2.5"-5"dia : Supply bamboo	100 No.	0.00	62,140.00	100 No.	0.00	62,140.00	19.3.4	
19-41-e-02	Stake, market bamboo, bush from any source 16'-20' long, 2.5"-5" dia : Sharpen one end	100 No.	2,587.20	2,587.20	100 No.	2,587.20	2,587.20	19.3.4	
19-41-e-03	Stake, market bamboo, bush from any source 16'-20' long, 2.5"-5" dia : Driving bamboo 4'	100 No.	3,262.24	3,262.24	100 No.	3,262.24	3,262.24	19.3.4	
19-41-e-04	Stake, market bamboo, bush from any source 16'-20' long, 2.5"-5" dia : Tying bamboo with wire	100 Rft	367.50	3,559.58	m	12.06	116.78	19.3.4	
19-41-e-05	Stake, market bamboo, bush from any source 16'-20' long, 2.5"-5" dia : Wattle & intertwine	100 Rft	11,025.00	88,030.80	m	361.71	2,888.15	19.3.4	
19-42	Cut & supply brushwood from canal plantation or from any other source, within 1.5 km.	100 Cft	735.00	15,723.32	m3	259.56	5,552.64	19.3.4	
19-43	Filling brush wood only, thoroughly packed	100 Cft	366.03	366.03	m3	129.26	129.26	19.3.4	
19-44	Covering road 10' to 12' wide, with 3" sarkanda or jungle, upto 50m lead	100 Rft	439.53	439.53	m	14.42	14.42	19.4.2	
19-45	Gachi pitching 1' thick	100 Sft	4,781.91	4,781.91	m2	514.53	514.53	19.2.1	
19-46	Gachi pitching done with silt clearance and berm dressing	100 Sft	4,043.97	4,043.97	m2	435.13	435.13	19.2.1	
19-47	Filter granular backfill behind retaining wall (stone/boulder filling upto one meter to prevent choking of weep holes	100 Cft	1,776.25	3,598.51	m3	627.28	1,270.80	19.2.2 , 19.3.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 20 OUTLETS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
20-01-a	Earth Work for Outlet excavation, refilling, ramming and Puddling: Channel discharge Upto 50 cusecs	Job	1,225.02	1,225.02	Job	1,225.03	1,225.03	20.3 , 20.4.1	Rate for all finished works include the removal of the surplus debris un-used material and by products.
20-01-b	Earth Work for Outlet excavation, refilling, ramming and Puddling b) Channels discharge from 51-100 Cs.	Job	1,617.00	1,617.00	Job	1,617.00	1,617.00	20.3 , 20.4.1	
20-01-c	Earth Work for Outlet excavation, refilling, ramming and Puddling c) Channels discharge from 101-200 Cs.	Job	2,449.98	2,449.98	Job	2,449.98	2,449.98	20.3 , 20.4.1	
20-01-d	Earth Work for Outlet excavation, refilling, ramming and Puddling d) Channels discharge from 201-350 Cs.	Job	3,307.50	3,307.50	Job	3,307.50	3,307.50	20.3 , 20.4.1	
20-01-e	Earth Work for Outlet excavation, refilling, ramming and Puddling e) Channels discharge over 350 Cs.	Job	4,900.02	4,900.02	Job	4,900.02	4,900.02	20.3 , 20.4.1	
20-02-a	Dismantling outlets: Old types such as KGO's orifices, etc	Each	1,225.02	1,225.02	Each	1,225.03	1,225.03	20.4.1	
20-02-b	Dismantling outlets: APM or OF, 'H' upto 2.0 ft. (610 mm)	Each	1,837.50	1,837.50	Each	1,837.50	1,837.50	20.4.1	
20-02-c	Dismantling outlets: APM or OF, 'H' from 2.1 ft. (635mm) to 3.0 ft (915 mm)	Each	2,449.98	2,449.98	Each	2,449.98	2,449.98	20.4.1	
20-02-d	Dismantling outlets: APM or OF, 'H' above 3.0 ft (915 mm)	Each	3,062.52	3,062.52	Each	3,062.52	3,062.52	20.4.1	
20-02-e	Dismantling outlets: Tail cluster bifurcation	Each	1,837.50	1,837.50	Each	1,837.50	1,837.50	20.4.1	
20-02-f	Dismantling outlets: Tail cluster trifurcation	Each	2,449.98	2,449.98	Each	2,449.98	2,449.98	20.4.1	
20-02-g	Dismantling outlets: Tail cluster quardification	Each	3,062.52	3,062.52	Each	3,062.52	3,062.52	20.4.1	
20-03	Making temporary APM brick block & fixing at site.	Each	727.65	1,152.47	Each	727.65	1,152.47	20.2.1, 20.2.2, 20.2.6 , 20.4.1	
20-04	Dismantling walls, taking out temporary APM brick block, fixing iron block & rebuilding walls	Job	1,470.00	1,470.00	Job	1,470.00	1,470.00	20.2.1, 20.2.2, 20.2.6 , 20.4.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 20 OUTLETS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
20-05	Dismantling walls & fitting iron block of O.F outlets	Each	1,837.50	1,837.50	Each	1,837.50	1,837.50	20.2.1, 20.2.2, 20.2.6, 20.4.1	
20-06-a	Constructing, watching & removing bund for outlet built in running water : Upto 3' (915 mm) depth	Each	2,940.00	2,940.00	Each	2,940.00	2,940.00	20.2, 20.3, 20.4.1	
20-06-b	Constructing, watching & removing bund for outlet built in running water : Over 3' depth	Each	3,969.00	3,969.00	Each	3,969.00	3,969.00	20.2, 20.3, 20.4.1	
20-07	Adjusting "B" of tail cluster by dismantling and rebuilding throat walls	Each	1,139.25	1,739.14	Each	1,139.25	1,739.14	20.2, 20.3, 20.4.1	
20-08	Adjusting "Y" of an APM outlet, including dismantling and rebuilding	Each	2,205.00	3,172.95	Each	2,205.00	3,172.95	20.2, 20.3, 20.4.1	
20-09-a	Bending rolled steel beams or rails	Each	2,205.00	2,360.35	Each	2,205.00	2,360.35	20.2, 20.3, 20.4.1	
20-09-b	Extra labour in fixing APM and O.F. outlet blocks including dressings of bricks: Depth more than 4.0' to 5.0'	Each	1,653.75	1,809.10	Each	1,653.75	1,809.10	20.2, 20.3, 20.4.1	
20-09-c	Extra labour in fixing APM and OF outlet blocks Depth more than 3.0' to 4.0'	Each	1,323.00	1,478.35	Each	1,323.00	1,478.35	20.2, 20.3, 20.4.1	
20-09-d	Extra labour in fixing APM and OF outlet blocks Depth more than 2.0' to 3.0'	Each	1,102.50	1,224.99	Each	1,102.50	1,224.99	20.2, 20.3, 20.4.1	
20-09-e	Extra labour in fixing APM and OF outlet blocks Depth upto 2.0'	Each	882.00	971.63	Each	882.00	971.63	20.2, 20.3, 20.4.1	
20-10	Repairing damaged reducing collar of hume pipe outlets	Each	727.65	956.95	Each	727.65	956.95	20.2, 20.3, 20.4.1, 22.5	
20-11	Laying iron pipes for outlets.	Rft	35.28	35.28	m	115.75	115.75	20.2, 20.3, 20.4.1	
20-12	Water allowance for constructing outlets or culverts, when canal water is not flowing	Each	612.48	612.48	Each	612.48	612.48	20.2, 20.3, 20.4.1	At the discretion of Engineering-in-charges depending upon the distance and source or supply for item 20-12
20-13	Hoisting and placing R.C slab or stone in position on outlets or W.C. culverts	Each	514.43	514.43	Each	514.43	514.43	20.2, 20.3, 20.4.1	
20-14-a	Fixing pipe outlet, including backfilling of earth & puddling : Portion under bank	Rft	122.52	132.86	m	401.98	435.89	20.2, 20.3, 20.4.1	
20-14-b	Fixing pipe outlet, including backfilling of earth & puddling :Portion under road, beyond bank	Rft	56.30	66.64	m	184.71	218.62	20.2, 20.3, 20.4.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 20 OUTLETS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
20-15-a	Removing pipe outlet,refilling earth & puddling: Portion under bank	Rft	97.98	97.98	m	321.44	321.44	20.2, 20.3 , 20.4.1	
20-15-b	Removing pipe outlet,refilling earth & puddling: Portion under road, beyond Bank	Rft	36.75	36.75	m	120.57	120.57	20.2, 20.3 , 20.4.1	
20-16-a	Changing pipe outlets by removing one pipe & replacing at the same site with another pipe complete with earth and puddling: Portion under bank	Rft	142.08	152.41	m	466.13	500.04	20.2, 20.3 , 20.4.1	
20-16-b	Changing pipe outlets by removing one pipe & replacing at the same site with another pipe complete with earth and puddling: : Portion under road, beyond Bank	Rft	71.07	81.41	m	233.18	267.09	20.2, 20.3 , 20.4.1	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-01-a-01	Excavate well in dry & dispose of soil within 50m in ordinary soil or sand : 0' (0 m) Upto 5' (1.5 m) depth	100 Cft	561.42	561.42	m3	198.26	198.26	21.3.6 , 21.3.9.2	
21-01-a-02	Excavate well in dry & dispose of soil within 50m in ordinary soil or sand :From 5.1' to 10' (1.530 m to 3.000 m) depth	100 Cft	564.80	564.80	m3	199.46	199.46	21.3.6 , 21.3.9.2	
21-01-a-03	Excavate well in dry & dispose of soil within 50m in ordinary soil or sand : From 10.1' to 15' (3.030 m to 4.500 m) depth	100 Cft	716.75	716.75	m3	253.12	253.12	21.3.6 , 21.3.9.2	
21-01-a-04	Excavate well in dry & dispose of soil within 50m in ordinary soil or sand : From 15.1' to 20' (4.530 m to 6.000 m) depth	100 Cft	876.24	876.24	m3	309.44	309.44	21.3.6 , 21.3.9.2	
21-01-b-01	Excavate well in dry & dispose of soil within 50m in hard soil : From 0' to 5' (0 to 1.500 m) depth	100 Cft	621.69	621.69	m3	219.55	219.55	21.3.6 , 21.3.9.2	
21-01-b-02	Excavate well in dry & dispose of soil within 50m in hard soil : From 5.1' to 10' (1.530 m to 3.000 m) depth	100 Cft	721.04	721.04	m3	254.63	254.63	21.3.6 , 21.3.9.2	
21-01-b-03	Excavate well in dry & dispose of soil within 50m in hard soil : From 10.1' to 15' (3.030 m to 4.500 m) depth	100 Cft	785.72	785.72	m3	277.47	277.47	21.3.6 , 21.3.9.2	
21-01-b-04	Excavate well in dry & dispose of soil within 50m in hard soil : From 15.1' to 20' (4.530 m to 6.000 m) depth	100 Cft	880.53	880.53	m3	310.96	310.96	21.3.6 , 21.3.9.2	
21-01-c-01	Excavate well in dry & dispose of soil within 50m in hard strata like shingle and gravel :From 0' to 5' (0 to 1.500 m) depth	100 Cft	1,430.19	1,430.19	m3	505.07	505.07	21.3.6 , 21.3.9.2	
21-01-c-02	Excavate well in dry & dispose of soil within 50m in hard strata like shingle and gravel: From 5.1' to 10' (1.530 m to 3.000 m) depth	100 Cft	1,501.48	1,501.48	m3	530.24	530.24	21.3.6 , 21.3.9.2	
21-01-c-03	Excavate well in dry & dispose of soil within 50m in hard strata like shingle : From 10.1' to 15' (3.030 m to 4.500 m) depth	100 Cft	1,564.69	1,564.69	m3	552.57	552.57	21.3.6 , 21.3.9.2	
21-01-c-04	Excavate well in dry & dispose of soil within 50m in hard strata like shingle : From 15.1' to 20' (4.530 m to 6.000 m) depth	100 Cft	2,514.31	2,514.31	m3	887.92	887.92	21.3.6 , 21.3.9.2	
21-02-a-01	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 10.1' to 15' (3.030 m to 4.500 m) depth	100 Cft	3,001.25	3,001.25	m3	1,059.88	1,059.88	21.3.6 , 21.3.9.2	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-02-a-02	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 15.1' to 20' (4.530 m to 6.000 m) depth	100 Cft	3,736.25	3,736.25	m3	1,319.45	1,319.45	21.3.6 , 21.3.9.2	
21-02-a-03	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 20.1' to 25' (6.030 m to 7.500 m)	100 Cft	4,471.25	4,471.25	m3	1,579.01	1,579.01	21.3.6 , 21.3.9.2	
21-02-a-04	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 25.1' to 30' (7.530 m to 9.000 m)	100 Cft	5,206.25	5,206.25	m3	1,838.57	1,838.57	21.3.6 , 21.3.9.2	
21-02-a-05	Dry sinking of well & disposal of soil within 50m in ordinary soil :From 30.1' to 35' (9.05 m to 10.5 m)	100 Cft	5,941.25	5,941.25	m3	2,098.13	2,098.13	21.3.6 , 21.3.9.2	
21-02-a-06	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 35.1' to 40' (10.530 m to 12.000 m) depth	100 Cft	6,676.25	6,676.25	m3	2,357.70	2,357.70	21.3.6 , 21.3.9.2	
21-02-a-07	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 40.1' to 45' (12.030 m to 13.500 m) depth	100 Cft	7,411.25	7,411.25	m3	2,617.26	2,617.26	21.3.6 , 21.3.9.2	
21-02-a-08	Dry sinking of well & disposal of soil within 50m in ordinary soil : From 45.1' (13.530 m) to any depth	100 Cft	8,146.25	8,146.25	m3	2,876.82	2,876.82	21.3.6 , 21.3.9.2	
21-02-b-01	Dry sinking of well & disposal of soil within 50m in hard Soil : From 10.1' to 15' (3.030 m to 4.500 m) depth	100 Cft	41,650.00	41,650.00	m3	14,708.57	14,708.57	21.3.6 , 21.3.9.2	
21-02-b-02	Dry sinking of well & disposal of soil within 50m in hard Soil : From 15.1' to 20' (4.530 m to 6.000 m) depth	100 Cft	4,900.00	4,900.00	m3	1,730.42	1,730.42	21.3.6 , 21.3.9.2	
21-02-b-03	Dry sinking of well & disposal of soil within 50m in hard Soil : From 20.1' to 25' (6.030 m to 7.500 m) depth	100 Cft	5,635.00	5,635.00	m3	1,989.98	1,989.98	21.3.6 , 21.3.9.2	
21-02-b-04	Dry sinking of well & disposal of soil within 50m in hard Soil :From 25.1' to 30' (7.530 m to 9.000 m) depth	100 Cft	6,370.00	6,370.00	m3	2,249.55	2,249.55	21.3.6 , 21.3.9.2	
21-02-b-05	Dry sinking of well & disposal of soil within 50m in hard Soil :From 30.1' to 35' (9.1m to 10.68m) depth	100 Cft	7,105.00	7,105.00	m3	2,509.11	2,509.11	21.3.6 , 21.3.9.2	
21-02-b-06	Dry sinking of well & disposal of soil within 50m in hard Soil :From 35.1' to 40' (10.530 m to 12.000 m) depth 10.5 to 12 m depth	100 Cft	78,400.00	78,400.00	m3	27,686.72	27,686.72	21.3.6 , 21.3.9.2	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-02-b-07	Dry sinking of well & disposal of soil within 50m in hard Soil :From 40.1' to 45' (12.030 m to 13.500 m) depth	100 Cft	88,690.00	88,690.00	m3	31,320.61	31,320.61	21.3.6 , 21.3.9.2	
21-02-b-08	Dry sinking of well & disposal of soil within 50m in hard Soil : From 45.1' (13.530 m) to any depth	100 Cft	9,310.00	9,310.00	m3	3,287.80	3,287.80	21.3.6 , 21.3.9.2	
21-02-c-01	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle and gravel :From 10.1' to 15' (3.030 m to 4.500 m) depth	100 Cft	5,757.50	5,757.50	m3	2,033.24	2,033.24	21.3.6 , 21.3.9.2	
21-02-c-02	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle and gravel : From 15.1' to 20' (4.530 m to 6.000 m) depth	100 Cft	6,492.50	6,492.50	m3	2,292.81	2,292.81	21.3.6 , 21.3.9.2	
21-02-c-03	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle and gravel : From 20.1' to 25' 6.030 m to 7.500 m) depth	100 Cft	7,227.50	7,227.50	m3	2,552.37	2,552.37	21.3.6 , 21.3.9.2	
21-02-c-04	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle and gravel: From 25.1' to 30' (7.530 m to 9.000 m) depth	100 Cft	7,962.50	7,962.50	m3	2,811.93	2,811.93	21.3.6 , 21.3.9.2	
21-02-c-05	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle and gravel : From 30.1' to 35' (9.030 m to 10.500 m) depth	100 Cft	8,697.50	8,697.50	m3	3,071.50	3,071.50	21.3.6 , 21.3.9.2	
21-02-c-06	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle and gravel: From 35.1' to 40' (10.530 m to 12.000 m) depth	100 Cft	94,325.00	94,325.00	m3	33,310.59	33,310.59	21.3.6 , 21.3.9.2	
21-02-c-07	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle : From 40.1' to 45' (12.030 m to 13.500 m) depth	100 Cft	10,167.50	10,167.50	m3	3,590.62	3,590.62	21.3.6 , 21.3.9.2	
21-02-c-08	Dry sinking of well & disposal of soil within 50m in hard Strata like shingle : From 45.1' (13.530 m) to any depth	100 Cft	10,167.50	10,167.50	m3	3,590.62	3,590.62	21.3.6 , 21.3.9.2	
21-03-a-01	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Upto 1.5 m depth	100 Cft	3,265.60	3,265.60	m3	1,153.24	1,153.24	21.3.6 , 21.3.9.2	
21-03-a-02	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 1.5 to 3 m depth	100 Cft	6,688.50	6,688.50	m3	2,362.02	2,362.02	21.3.6 , 21.3.9.2	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

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Chapter # : 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-03-a-03	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 3 to 4.5 m depth	100 Cft	10,291.03	10,291.03	m3	3,634.25	3,634.25	21.3.6 , 21.3.9.2	
21-03-a-04	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 4.5 to 6 m depth	100 Cft	13,534.66	13,534.66	m3	4,779.72	4,779.72	21.3.6 , 21.3.9.2	
21-03-a-05	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 6 to 7.5 m depth	100 Cft	16,474.66	16,474.66	m3	5,817.98	5,817.98	21.3.6 , 21.3.9.2	
21-03-a-06	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 7.5 to 9 m depth	100 Cft	22,874.74	22,874.74	m3	8,078.15	8,078.15	21.3.6 , 21.3.9.2	
21-03-a-07	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 9 to 10.5 m depth	100 Cft	27,243.21	27,243.22	m3	9,620.86	9,620.86	21.3.6 , 21.3.9.2	
21-03-a-08	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 10.5 to 12 m depth	100 Cft	33,576.64	33,576.64	m3	11,857.49	11,857.49	21.3.6 , 21.3.9.2	
21-03-a-09	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 12 to 13.5 m depth	100 Cft	39,872.79	39,872.79	m3	14,080.96	14,080.96	21.3.6 , 21.3.9.2	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-03-a-10	Wet sinking of well, in ordinary soil (value of C upto 5), for depths below spring level, as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:-Exceeding 13.5 m depth	100 Cft	48,179.77	48,179.77	m3	17,014.54	17,014.54		
21-03-b-01	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Upto 1.5 m depth	100 Cft	4,306.36	4,306.36	m3	1,520.78	1,520.78	21.3.6 , 21.3.9.2	
21-03-b-02	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 1.5 to 3 m depth	100 Cft	8,268.75	8,268.75	m3	2,920.08	2,920.08	21.3.6 , 21.3.9.2	
21-03-b-03	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 3 to 4.5 m depth	100 Cft	12,427.01	12,427.01	m3	4,388.56	4,388.56	21.3.6 , 21.3.9.2	
21-03-b-04	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 4.5 to 6 m depth	100 Cft	16,170.96	16,170.96	m3	5,710.73	5,710.73	21.3.6 , 21.3.9.2	
21-03-b-05	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 6 to 7.5 m depth	100 Cft	22,023.17	22,023.17	m3	7,777.42	7,777.42	21.3.6 , 21.3.9.2	
21-03-b-06	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- : Above 7.5 to 9 m depth	100 Cft	28,154.03	28,154.03	m3	9,942.51	9,942.51	21.3.6 , 21.3.9.2	
21-03-b-07	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring level as per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- : Above 9 to 10.5 m depth	100 Cft	34,079.82	34,079.82	m3	12,035.19	12,035.19	21.3.6 , 21.3.9.2	



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Chapter # : 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-03-b-08	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring levels per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 10.5 to 12 m depth	100 Cft	42,873.73	42,873.73	m3	15,140.73	15,140.73	21.3.6 , 21.3.9.2	
21-03-b-09	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring levels per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Above 12 to 13.5 m depth	100 Cft	49,695.19	49,695.19	m3	17,549.71	17,549.71	21.3.6 , 21.3.9.2	
21-03-b-10	Wet sinking of well, in cohesive soil (value of C more than 5), for depths below spring levels per specification, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Exceeding 13.5 m depth	100 Cft	59,755.20	59,755.21	m3	21,102.37	21,102.37	21.3.6 , 21.3.9.2	
21-03-c-01	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain:- Upto 1.5 m depth	100 Cft	8,202.60	8,202.60	m3	2,896.72	2,896.72	21.3.6 , 21.3.9.2	
21-03-c-02	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 1.5m to 3 m depth	100 Cft	19,040.91	19,040.91	m3	6,724.24	6,724.24	21.3.6 , 21.3.9.2	
21-03-c-03	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 3 to 4.5 m depth	100 Cft	25,729.19	25,729.19	m3	9,086.19	9,086.19	21.3.6 , 21.3.9.2	
21-03-c-04	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 4.5 to 6 m depth	100 Cft	35,283.23	35,283.23	m3	12,460.17	12,460.17	21.3.6 , 21.3.9.2	
21-03-c-05	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 6 to 7.5 m depth	100 Cft	53,000.77	53,000.78	m3	18,717.06	18,717.07	21.3.6 , 21.3.9.2	



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Chapter # : 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-03-c-06	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 7.5 to 9 m depth	100 Cft	68,253.80	68,253.79	m3	24,103.63	24,103.62	21.3.6 , 21.3.9.2	
21-03-c-07	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 9 m to 10.5 m depth	100 Cft	85,708.71	85,708.72	m3	30,267.77	30,267.78	21.3.6 , 21.3.9.2	
21-03-c-08	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 10.5 m to 12 m depth	100 Cft	110,678.06	110,678.06	m3	39,085.64	39,085.64	21.3.6 , 21.3.9.2	
21-03-c-09	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Above 12 to 13.5 m depth	100 Cft	139,345.64	139,345.64	m3	49,209.48	49,209.48	21.3.6 , 21.3.9.2	
21-03-c-10	Wet sinking of well, in shingle, or gravel etc. for depths below spring level as per specification including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain: Exceeding 13.5m to any depth	100 Cft	176,764.34	176,764.34	m3	62,423.78	62,423.78	21.3.6 , 21.3.9.2	
21-04	Deleted	-	0.00	0.00	-	0.00	0.00	-	
21-05	Deleted	-	0.00	0.00	-	0.00	0.00	-	
21-06-a	Providing, making and laying R.C.C. well curb in position, using coarse sand for concrete, including all kinds of forms, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening & washing of aggregate : Ratio 1: 1½: 3	100 Cft	19,709.33	43,330.59	m3	6,960.29	15,302.07	21.2.1, 21.3.6, 21.3.5 , 21.3.9.4	
21-06-b	Providing, making and laying R.C.C. well curb in position, using coarse sand for concrete, including all kinds of forms, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening & washing of aggregate: Ratio 1:2:4	100 Cft	20,370.83	40,928.82	m3	7,193.90	14,453.89	21.2.1, 21.3.6, 21.3.5 , 21.3.9.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 21 SINKING OF WELLS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
21-07	Providing and fixing structural steel cutting edge for well curb.	Ton	43,487.50	217,349.48	Ton	43,487.50	217,349.50	21.2.2, 21.3.6, 21.3.5 , 21.3.9.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 22 SURFACE DRAINAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22-01-a-01	Tega formed of burnt bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the engineer's drawing. i) 3" thick : Ratio 1:3	100 Rft	1,470.88	4,613.60	m	48.26	151.37	22.3.2 , 22.4	
22-01-a-02	Tega formed of burnt bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the engineer's drawing. (ii) 3" thick : Ratio 1:3	100 Rft	1,470.88	4,304.20	m	48.26	141.21	22.3.2 , 22.4	
22-01-b-01	Tega formed of burnt bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the engineer's drawing. (i) 4.5" thick : Ratio 1:3	100 Rft	1,617.44	5,408.52	m	53.07	177.44	22.3.2 , 22.4	
22-01-b-02	Tega formed of burnt bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the engineer's drawing. (ii) 4.5" thick : Ratio 1:5	100 Rft	1,617.44	5,223.00	m	53.07	171.36	22.3.2 , 22.4	
22-02-a	burnt flat brick 3" (75mm) thick, laid in reimbursement, in cement, sand mortar on sides of drains and in other works where required. All joints to be completely filled and struck flush. (i) Ratio 1:3	100 Sft	2,021.47	7,140.95	m2	217.51	768.37	22.3.2 , 22.4	
22-02-b	burnt flat brick 3" (75mm) thick, laid in reimbursement, in cement, sand mortar on sides of drains and in other works where required. All joints to be completely filled and struck flush. (ii) Ratio 1:5	100 Sft	2,021.47	6,819.79	m2	217.51	733.81	22.3.2 , 22.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 22 SURFACE DRAINAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22-02-c	burnt flat brick 3" (75mm) thick, laid in reimbursement, in cement, sand mortar on sides of drains and in other works where required. All joints to be completely filled and struck flush. (iii) Ratio 1:6	100 Sft	2,021.47	6,727.77	m2	217.51	723.91	22.3.2 , 22.4	
22-03-a	burnt brick on edge, laid in reimbursement, in cement, sand mortar on sides of drains and in other works where required. All joints to be completely filled and struck flush. (i) Ratio 1:3	100 Sft	2,263.80	9,928.19	m2	243.58	1,068.27	22.3.2 , 22.4	
22-03-b	burnt brick on edge, laid in reimbursement, in cement, sand mortar on sides of drains and in other works where required. All joints to be completely filled and struck flush. (ii) Ratio 1:5	100 Sft	2,263.80	9,454.93	m2	243.58	1,017.35	22.3.2 , 22.4	
22-03-c	burnt brick on edge, laid in reimbursement, in cement, sand mortar on sides of drains and in other works where required. All joints to be completely filled and struck flush. (iii) Ratio 1:6	100 Sft	2,263.80	9,314.83	m2	243.58	1,002.28	22.3.2 , 22.4	
22-04-a	burnt flat brick, herring bond pitching in cement, sand mortar laid to lines, grades, shapes and slopes as per Engineer's Drawing. (i) Ratio 1:3	100 Sft	1,896.30	7,660.17	m2	204.04	824.23	22.3.2 , 22.4	
22-04-b	burnt flat brick, herring bond pitching in cement, sand mortar laid to lines, grades, shapes and slopes as per Engineer's Drawing. (ii) Ratio 1:5	100 Sft	1,896.30	7,297.27	m2	204.04	785.19	22.3.2 , 22.4	
22-04-c	burnt flat brick, herring bond pitching in cement, sand mortar laid to lines, grades, shapes and slopes as per Engineer's Drawing. (ii) Ratio 1:6	100 Sft	1,896.30	7,217.45	m2	204.04	776.60	22.3.2 , 22.4	
22-05-a	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type I	100 Rft	1,886.01	8,238.86	m	61.88	270.30	22.3 , 22.4	
22-05-b	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type II	100 Rft	4,794.41	19,488.95	m	157.30	639.40	22.3 , 22.4	
22-05-c	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type III	100 Rft	6,094.62	24,709.79	m	199.95	810.69	22.3 , 22.4	
22-05-d	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type IV	100 Rft	6,565.75	29,181.39	m	215.41	957.39	22.3 , 22.4	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 22 SURFACE DRAINAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22-05-e	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type V	100 Rft	8,805.30	38,886.88	m	288.89	1,275.82	22.3 , 22.4	
22-05-f	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type VI	100 Rft	9,951.61	44,156.83	m	326.50	1,448.71	22.3 , 22.4	
22-05-g	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type VII	100 Rft	10,104.04	46,176.11	m	331.50	1,514.96	22.3 , 22.4	
22-05-h	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type VIII	100 Rft	15,218.91	68,942.38	m	499.31	2,261.89	22.3 , 22.4	
22-05-i	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type IX	100 Rft	17,350.41	77,431.13	m	569.24	2,540.39	22.3 , 22.4	
22-05-j	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type X	100 Rft	18,718.98	92,041.91	m	614.14	3,019.75	22.3 , 22.4	
22-05-k	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type XI	100 Rft	20,460.93	97,573.77	m	671.29	3,201.24	22.3 , 22.4	
22-05-l	Construct PHE Standard Drains, of cement concrete 1:1.5:3, complete : Type XII	100 Rft	20,915.16	99,980.97	m	686.19	3,280.22	22.3 , 22.4	
22-06-a	Supply and Laying of RC hume pipes in position including jointing 6" to 12" dia	100 Rft	11,028.67	11,504.19	m	361.83	377.43	22.3 , 22.4, 22.5	
22-06-b	Supply and Laying of RC hume pipes in position including jointing 12" to 24" dia	100 Rft	16,552.20	17,517.16	m	543.05	574.71	22.3 , 22.4, 22.5	
22-06-c	Supply and Laying of RC hume pipes in position including jointing 24" to 36" dia	100 Rft	22,097.04	23,553.82	m	724.97	772.76	22.3 , 22.4, 22.5	
22-07	Supply of pre cast concrete new jersey barrier of 10 ft length, 2 ft base width, 6" top width and 32" height.	Each	0.00	7,608.98	Each	0.00	7,608.98	6.1.3, 6.2, 6.3, 6.6, 6.12 , 6.17	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-01-a	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 4" dia:	Rft	33.08	221.56	m	108.51	726.91	23.4 , 23.5	
23-01-b	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 6" dia:	Rft	36.02	280.47	m	118.16	920.16	23.4 , 23.5	
23-01-c	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 9" dia:	Rft	61.74	426.47	m	202.56	1,399.17	23.4 , 23.5	
23-02-a	Providing and laying non-reinforced concrete pipe moulded with cement concrete 1:1-1/2:3 conforming to ASTM Specification C-14-73, Class-2, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:-4" internal diameter	Rft	27.19	243.56	m	89.22	799.09	23.4 , 23.5	
23-02-b	Providing and laying non-reinforced concrete pipe moulded with cement concrete 1:1-1/2:3 conforming to ASTM Specification C-14-73, Class-2, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 6" i/d	Rft	33.08	269.36	m	108.51	883.73	23.4 , 23.5	



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Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-02-c	Providing and laying non-reinforced concrete pipe moulded with cement concrete 1:1-1/2:3 conforming to ASTM Specification C-14-73, Class-2, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 9" i/d wall thickness 1".	Rft	61.74	332.19	m	202.56	1,089.87	23.4 , 23.5	
23-03-a-01	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 12" i/d, wall thickness 2".	Rft	72.03	547.04	m	236.32	1,794.76	23.4 , 23.5	
23-03-a-02	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 15" i/d, wall thickness 2.2".	Rft	80.85	663.41	m	265.26	2,176.55	23.4 , 23.5	
23-03-a-03	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 18" i/d, wall thickness 2.5".	Rft	88.20	775.33	m	289.37	2,543.72	23.4 , 23.5	
23-03-a-04	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 21" i/d, wall thickness 2.5".	Rft	120.54	903.27	m	395.47	2,963.47	23.4 , 23.5	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-a-05	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 24" i/d, wall thickness 3".	Rft	138.18	1,028.45	m	453.35	3,374.20	23.4 , 23.5	
23-03-a-06	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 27" i/d, Wall thickness 3.2"	Rft	203.60	1,365.73	m	667.96	4,480.75	23.4 , 23.5	
23-03-a-07	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 30" i/d, Wall thickness 3.5"	Rft	245.49	1,709.36	m	805.41	5,608.15	23.4 , 23.5	
23-03-a-08	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 33" i/d, Wall thickness 3.7"	Rft	305.02	1,921.26	m	1,000.74	6,303.35	23.4 , 23.5	
23-03-a-09	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 36" i/d, Wall thickness 4.1"	Rft	376.32	2,458.61	m	1,234.65	8,066.30	23.4 , 23.5	



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Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-a-10	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 42" i/d, Wall thickness 5.5"	Rft	488.77	3,279.10	m	1,603.59	10,758.20	23.4 , 23.5	
23-03-a-11	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 48" i/d, Wall thickness 6.3"	Rft	928.31	4,053.23	m	3,045.62	13,298.00	23.4 , 23.5	
23-03-a-12	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 54" i/d, Wall thickness 6.5"	Rft	1,300.95	5,171.26	m	4,268.21	16,966.06	23.4 , 23.5	
23-03-a-13	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 60" i/d, Wall thickness 6.8"	Rft	1,627.29	6,597.75	m	5,338.88	21,646.16	23.4 , 23.5	
23-03-a-14	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 66" i/d, Wall thickness 7"	Rft	2,601.90	9,130.15	m	8,536.42	29,954.56	23.4 , 23.5	



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Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-a-15	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class II, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 72" i/d, Wall thickness 8"	Rft	3,252.38	11,963.34	m	10,670.52	39,249.80	23.4 , 23.5	
23-03-b-01	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III -B, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 12" i/d, Wall thickness 2"	Rft	64.68	577.04	m	212.20	1,893.16	23.4 , 23.5	
23-03-b-02	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 15" i/d, Wall B	Rft	80.12	697.79	m	262.84	2,289.33	23.4 , 23.5	
23-03-b-03	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 18" i/d, Wall B	Rft	97.02	838.22	m	318.31	2,750.06	23.4 , 23.5	
23-03-b-04	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 21" i/d, Wall B	Rft	120.54	1,006.39	m	395.47	3,301.81	23.4 , 23.5	



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Chapter #: 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-b-05	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 24" i/d, Wall B	Rft	138.18	1,081.18	m	453.35	3,547.17	23.4 , 23.5	
23-03-b-06	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 27" i/d, Wall B	Rft	203.60	1,244.49	m	667.96	4,082.97	23.4 , 23.5	
23-03-b-07	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-30" i/d, Wall B	Rft	245.49	1,820.87	m	805.41	5,973.98	23.4 , 23.5	
23-03-b-08	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 33" i/d, Wall B	Rft	305.02	2,247.37	m	1,000.74	7,373.25	23.4 , 23.5	
23-03-b-09	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 36" i/d, Wall B	Rft	376.32	2,663.10	m	1,234.65	8,737.19	23.4 , 23.5	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-b-10	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 42" i/d, Wall B	Rft	488.77	3,667.10	m	1,603.59	12,031.18	23.4 , 23.5	
23-03-b-11	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 48" i/d, Wall B	Rft	928.31	4,517.79	m	3,045.62	14,822.13	23.4 , 23.5	
23-03-b-12	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-54" i/d, Wall B	Rft	1,300.95	5,751.95	m	4,268.21	18,871.24	23.4 , 23.5	
23-03-b-13	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 60" i/d, Wall B	Rft	1,627.29	7,352.64	m	5,338.88	24,122.85	23.4 , 23.5	
23-03-b-14	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 66" i/d, Wall B	Rft	2,601.90	10,134.16	m	8,536.42	33,248.56	23.4 , 23.5	



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Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-b-15	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class III, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 72" i/d, Wall B	Rft	3,252.38	13,318.77	m	10,670.52	43,696.75	23.4 , 23.5	
23-03-c-01	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 12" i/d, Wall B	Rft	64.68	650.23	m	212.20	2,133.30	23.4 , 23.5	
23-03-c-02	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-15" i/d, Wall B	Rft	80.12	773.22	m	262.84	2,536.79	23.4 , 23.5	
23-03-c-03	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 18" i/d, Wall B	Rft	97.02	958.91	m	318.31	3,146.04	23.4 , 23.5	
23-03-c-04	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-21" i/d, Wall B	Rft	120.54	1,151.23	m	395.47	3,776.99	23.4 , 23.5	



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Chapter #: 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-c-05	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 24" i/d, Wall B	Rft	138.18	1,322.57	m	453.35	4,339.13	23.4 , 23.5	
23-03-c-06	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 27" i/d, Wall B	Rft	203.60	1,510.02	m	667.96	4,954.12	23.4 , 23.5	
23-03-c-07	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 30" i/d, Wall B	Rft	245.49	2,001.02	m	805.41	6,565.02	23.4 , 23.5	
23-03-c-08	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-33" i/d, Wall B	Rft	305.02	2,472.55	m	1,000.74	8,112.05	23.4 , 23.5	
23-03-c-09	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 36" i/d, Wall B	Rft	376.32	3,143.49	m	1,234.65	10,313.27	23.4 , 23.5	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

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Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-c-10	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 42" i/d, Wall B	Rft	488.77	4,117.46	m	1,603.59	13,508.74	23.4 , 23.5	
23-03-c-11	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 48" i/d, Wall B	Rft	928.31	4,893.09	m	3,045.62	16,053.44	23.4 , 23.5	
23-03-c-12	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 54" i/d, Wall B	Rft	1,300.95	6,221.09	m	4,268.21	20,410.39	23.4 , 23.5	
23-03-c-13	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 60" i/d, Wall B	Rft	1,627.29	7,962.52	m	5,338.88	26,123.76	23.4 , 23.5	
23-03-c-14	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-66" i/d, Wall B	Rft	2,601.90	10,945.29	m	8,536.42	35,909.75	23.4 , 23.5	



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Chapter # : 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-03-c-15	Providing & laying R.C.C. pipe sewers, moulded with cement concrete 1:1-1/2:3 conforming to ASTM specification C-76-79, Class IV, Wall B, including carriage, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:- 72" i/d, Wall B	Rft	3,252.38	14,413.78	m	10,670.52	47,289.30	23.4 , 23.5	(i) This rate shall be payable, in addition to the item of excavation below SSWL for sewers & manholes under chapter 3, earthwork and laying of sewer pipe (ii) The grant of these rates shall be subject to approval of Chief Engineer. (iii) The rate includes cost of providing pumps, POL, and all operation charges at the site of work etc.
23-04-a	Lowering of sub soil water table along sewer line for laying of pipe sewer in trenches complete in all respects. Upto 1 ft below SSWL	Rft	68.94	337.94	m	226.19	1,108.72	23.4 , 23.5	
23-04-b	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 2 ft below SSWL	Rft	90.70	662.21	m	297.57	2,172.59	23.4 , 23.5	
23-04-c	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 3 ft below SSWL	Rft	111.21	1,135.60	m	364.85	3,725.73	23.4 , 23.5	
23-04-d	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 4 ft below SSWL	Rft	132.59	1,646.30	m	435.02	5,401.25	23.4 , 23.5	
23-04-e	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 5 ft below SSWL	Rft	137.89	2,379.22	m	452.38	7,805.83	23.4 , 23.5	
23-04-f	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 6 ft below SSWL	Rft	160.38	2,946.79	m	526.17	9,667.94	23.4 , 23.5	
23-04-g	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 7 ft below SSWL	Rft	181.47	3,573.28	m	595.38	11,723.36	23.4 , 23.5	
23-04-h	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 8 ft below SSWL	Rft	202.79	4,050.08	m	665.31	13,287.68	23.4 , 23.5	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-04-i	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 9 ft below SSWL	Rft	78.57	4,338.59	m	257.78	14,234.21	23.4 , 23.5	
23-04-j	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 10 ft below SSWL	Rft	83.64	5,005.05	m	274.42	16,420.77	23.4 , 23.5	
23-04-k	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 11 ft below SSWL	Rft	86.44	5,570.25	m	283.58	18,275.11	23.4 , 23.5	
23-04-l	Lowering of sub soil water table, by installation of tubewells along sewer line for laying of pipe sewer in trenches complete in all respects. 0 - 12 ft below SSWL	Rft	89.45	6,175.60	m	293.47	20,261.16	23.4 , 23.5	
23-05-a	Constructing gully grating chamber complete With CI gully trap, weighing 81 lbs. frame hinged	Each	2,079.87	8,115.94	Each	2,079.87	8,115.94	23.4 , 23.5	
23-05-b	Constructing gully grating chamber complete Concrete gully trap	Each	2,079.87	6,347.90	Each	2,079.87	6,347.90	23.4 , 23.5	
23-06	Fixing manhole frame and cover in RCC slab, including carriage to site	Set	1,543.50	1,543.50	Set	1,543.50	1,543.50	23.4 , 23.5	
23-07	Providing and Fixing 3" thick RCC manhole cover, 22" dia with tee shaped CI frame of 20" clear i/d complete	Set	3,374.39	7,981.69	Set	3,374.39	7,981.69	23.4 , 23.5	
23-08-a	RCC manhole cover 22" dia with: Tee shaped CI frame, 22" i/d complete	Set	4,681.58	11,506.10	Set	4,681.58	11,506.10	23.4 , 23.5	
23-08-b	RCC manhole cover 22" dia with: 3"x3"x1/4" angle iron frame, 22" i/d complete	Set	4,677.91	9,363.14	Set	4,677.91	9,363.14	23.4 , 23.5	
23-09-a	Providing and Fixing CI ventilating shaft of 9" i/d, painted with bitumenous paint complete : 18 ft. long	100 Kg	358.31	14,937.31	100 Kg	358.31	14,937.31		
23-09-b	Providing and Fixing CI ventilating shaft of 9" i/d, painted with bitumenous paint complete : 24 ft. long	100 Kg	477.75	15,056.75	100 Kg	477.75	15,056.75		
23-09-c	Providing and Fixing CI ventilating shaft of 9" i/d, painted with bitumenous paint complete : 30 ft. Long	100 Kg	597.19	15,176.19	100 Kg	597.19	15,176.19		



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Chapter #: 23 SEWERAGE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
23-09-d	Providing and Fixing CI ventilating shaft of 9" i/d, painted with bitumenous paint complete : 36 ft. Long	100 Kg	716.63	15,295.63	100 Kg	716.63	15,295.63		
23-10	Septic Tank (int.Size: 7'x2'x5') complete.	Each	3,368.75	18,784.97	Each	3,368.75	18,784.97		
23-11	Soakage Pit (6'dia x 15' deep) complete	Each	3,368.75	16,886.30	Each	3,368.75	16,886.30		



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Chapter #: 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-01-a	Mobilization of plant, equipment and camping arrangements etc & demobilization after completion	Job	0.00	43,020.00	Job	0.00	43,020.00		
24-01-b	Subsequent mobilization in the same project area	Job	0.00	27,485.00	Job	0.00	27,485.00		
24-01-c	Mobilization of equipment for drilling of small bore upto 8" dia	Job	0.00	7,767.50	Job	0.00	7,767.50		
24-02-a-01	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 3" (75 mm) i/d	Rft	107.31	526.76	m	352.07	1,728.20	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-a-02	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 4" (100 mm) i/d	Rft	148.84	680.13	m	488.31	2,231.41	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-a-03	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 5" (125 mm) i/d	Rft	226.93	1,047.18	m	744.52	3,435.63	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-a-04	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 6" (150 mm) i/d	Rft	275.63	1,254.33	m	904.28	4,115.26	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-a-05	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 8" (200 mm) i/d	Rft	378.52	1,730.07	m	1,241.88	5,676.08	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-a-06	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 10" (250 mm) i/d	Rft	409.76	1,901.12	m	1,344.37	6,237.28	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-a-07	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 12" (300 mm) i/d	Rft	497.96	2,315.56	m	1,633.74	7,596.98	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-a-08	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 15" (375 mm) i/d	Rft	586.16	2,729.99	m	1,923.11	8,956.67	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-a-09	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 18" (450 mm) i/d	Rft	670.69	3,094.15	m	2,200.42	10,151.40	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-a-10	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 18"(450 mm) to 20" (500 mm) i/d	Rft	542.06	3,338.36	m	1,778.42	10,952.63	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-a-11	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 20"(500 mm) to 26" (650 mm) i/d	Rft	924.26	4,279.82	m	3,032.36	14,041.41	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-b-01	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 5" (125 mm) i/d	Rft	260.92	1,204.21	m	856.05	3,950.82	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-b-02	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 6" (150 mm) i/d	Rft	308.70	1,434.21	m	1,012.80	4,705.42	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-b-03	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200 mm) i/d	Rft	426.30	1,980.58	m	1,398.62	6,497.96	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-b-04	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	476.83	2,191.90	m	1,564.41	7,191.26	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-b-05	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (300 mm) i/d	Rft	576.97	2,667.21	m	1,892.96	8,750.69	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-b-06	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	681.71	3,147.12	m	2,236.59	10,325.19	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-b-07	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	768.08	3,555.05	m	2,519.93	11,663.56	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-b-08	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) to 20" (500 mm) i/d	Rft	886.59	4,102.34	m	2,908.77	13,459.12	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-b-09	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 20" (600 mm) to 26" (650 mm) i/d	Rft	1,060.24	4,919.13	m	3,478.47	16,138.88	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-c-01	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 6" (150mm) i/d	Rft	358.31	1,652.65	m	1,175.57	5,422.09	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-c-02	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200mm) i/d	Rft	498.88	2,286.30	m	1,636.75	7,500.99	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-02-c-03	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	542.06	2,514.39	m	1,778.42	8,249.30	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-c-04	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (300 mm) i/d	Rft	663.34	3,067.10	m	2,176.30	10,062.68	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-c-05	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	779.10	3,614.31	m	2,556.10	11,857.97	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-c-06	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	880.16	4,085.19	m	2,887.67	13,402.85	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-c-07	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 18" (450 mm) and upto 20" (500 mm) i/d	Rft	1,019.81	4,717.92	m	3,345.84	15,478.74	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-c-08	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 20" (450 mm) upto 26" (500 mm) i/d	Rft	1,218.26	5,655.99	m	3,996.93	18,556.40	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-d-01	Drilling of Bore holes for tubewell in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200 mm) i/d	Rft	567.79	3,203.09	m	1,862.82	10,508.81	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-d-02	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	633.94	3,541.85	m	2,079.85	11,620.24	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-d-03	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (250 mm) i/d	Rft	762.56	4,306.59	m	2,501.85	14,129.22	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-d-04	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	896.70	5,076.82	m	2,941.93	16,656.24	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-d-05	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	1,006.95	5,732.30	m	3,303.64	18,806.77	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-d-06	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 18" (450 mm) upto 20" (500 mm) i/d	Rft	1,172.33	6,624.66	m	3,846.21	21,734.44	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-d-07	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 984 ft to 1312 ft (300.1m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 20" (500 mm) upto 26" (650 mm) i/d	Rft	1,414.88	7,957.68	m	4,641.98	26,107.87	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-e-01	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (400.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200 mm) i/d	Rft	648.64	3,679.23	m	2,128.08	12,070.96	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-e-02	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (300.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	716.63	4,060.72	m	2,351.13	13,322.59	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-e-03	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (300.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (250 mm) i/d	Rft	882.00	4,957.62	m	2,893.70	16,265.15	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-e-04	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (300.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	1,032.68	5,839.81	m	3,388.04	19,159.49	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-e-05	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (300.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	1,167.73	6,601.90	m	3,831.14	21,659.77	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-02-e-06	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (300.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Abobe 18" (450 mm) upto 20" (500 mm) i/d	Rft	1,341.38	7,611.56	m	4,400.84	24,972.32	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-02-e-07	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth 1312 ft and beyond (upto any depth) (300.1m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 20" (500 mm) upto 26" (650 mm) i/d	Rft	1,561.88	9,086.10	m	5,124.26	29,810.03	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-01	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 3" (75 mm) i/d	Rft	213.15	989.12	m	699.31	3,245.16	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-02	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 4" (100 mm) i/d	Rft	279.30	1,262.20	m	916.34	4,141.07	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-03	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 5" (125 mm) i/d	Rft	422.63	1,940.08	m	1,386.57	6,365.10	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-04	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 6" (150 mm) i/d	Rft	503.48	2,314.08	m	1,651.82	7,592.12	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-a-05	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 8" (200 mm) i/d	Rft	689.06	3,189.42	m	2,260.70	10,463.98	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-06	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 10" (250 mm) i/d	Rft	768.08	3,527.09	m	2,519.93	11,571.82	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-07	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 12" (300 mm) i/d	Rft	929.78	4,292.33	m	3,050.44	14,082.43	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-08	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 15" (375 mm) i/d	Rft	1,089.64	5,055.72	m	3,574.92	16,587.02	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-09	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 18" (450 mm) i/d	Rft	1,235.72	5,719.12	m	4,054.20	18,763.52	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-a-10	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore Above 18"(450 mm) upto 20" (500 mm) i/d	Rft	1,431.41	6,604.57	m	4,696.23	21,668.53	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-a-11	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore Above 20"(500 mm) upto 26" (650 mm) i/d	Rft	1,710.71	7,918.50	m	5,612.58	25,979.32	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-01	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 6" (150 mm) i/d	Rft	573.30	2,655.49	m	1,880.91	8,712.24	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-02	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200 mm) i/d	Rft	793.80	3,669.21	m	2,604.33	12,038.09	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-03	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	875.57	4,048.44	m	2,872.60	13,282.27	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-b-04	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (300 mm) i/d	Rft	1,069.43	4,936.36	m	3,508.61	16,195.41	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-05	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	1,258.69	5,819.69	m	4,129.55	19,093.48	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-06	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	1,422.22	6,578.14	m	4,666.09	21,581.81	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-07	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 18" (450 mm) upto 20" (500 mm) i/d	Rft	1,504.91	6,967.02	m	4,937.38	22,857.67	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-b-08	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 328 ft to 656 ft (100 m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 20" (600 mm) upto 26" (650 mm) i/d	Rft	1,541.66	7,069.02	m	5,057.95	23,192.31	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	
24-03-c-01	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 6" (150mm) i/d	Rft	663.34	3,057.87	m	2,176.30	10,032.37	24.2.1, 24.2.2.1 , 24.2.2.8 , 24.2.3.1	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-c-02	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656.1 ft to 984 ft (200.1 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200mm) i/d	Rft	911.40	4,218.12	m	2,990.16	13,838.98	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-c-03	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	1,010.63	4,659.43	m	3,315.70	15,286.83	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-c-04	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (300 mm) i/d	Rft	1,225.61	5,672.59	m	4,021.04	18,610.86	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-c-05	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	1,442.44	6,687.59	m	4,732.41	21,940.92	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-c-06	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	1,635.38	7,564.68	m	5,365.40	24,818.50	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-c-07	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656.1 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 18" (450 mm) and upto 20" (500 mm) i/d	Rft	1,729.09	8,010.51	m	5,672.86	26,281.20	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-c-08	Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa from a depth of 656 ft to 984 ft (200 m to 300 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 20" (450 mm) upto 26" (500 mm) i/d	Rft	1,767.68	8,124.13	m	5,799.46	26,653.97	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-d-01	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 8" (200 mm) i/d	Rft	1,047.38	4,850.10	m	3,436.27	15,912.42	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-d-02	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	1,165.89	5,362.02	m	3,825.11	17,591.92	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-d-03	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 12" (250 mm) i/d	Rft	1,405.69	6,519.70	m	4,611.84	21,390.10	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-d-04	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	1,661.10	7,693.02	m	5,449.80	25,239.56	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-d-05	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	1,875.17	8,693.86	m	6,152.13	28,523.17	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-d-06	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 18" (450 mm) upto 20" (500 mm) i/d	Rft	1,982.66	9,206.29	m	6,504.80	30,204.38	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-d-07	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth of 984 ft to 1312 ft (300 m to 400 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Above 20" (500 mm) upto 26" (650 mm) i/d	Rft	2,012.06	9,321.98	m	6,601.26	30,583.94	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-e-01	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: 8" (200 mm) i/d	Rft	1,210.91	5,584.05	m	3,972.81	18,320.38	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-e-02	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: 10" (250 mm) i/d	Rft	1,335.86	6,161.40	m	4,382.75	20,214.58	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-03-e-03	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: 12" (250 mm) i/d	Rft	1,626.19	7,507.31	m	5,335.26	24,630.28	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-e-04	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: 15" (375 mm) i/d	Rft	1,918.35	8,855.06	m	6,293.80	29,052.04	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-e-05	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: 18" (450 mm) i/d	Rft	2,159.06	10,000.56	m	7,083.54	32,810.24	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-e-06	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: Above 18" (450 mm) upto 20" (500 mm) i/d	Rft	2,289.52	10,596.71	m	7,511.57	34,766.11	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	
24-03-e-07	Drilling of Bore holes for tubewell in hard rock having unconfirmed compressive strength of 50 MPa and above from a depth 1312 ft and beyond (upto any depth) (400 m and beyond) depth, including sinking, collection of 100 % corings and withdrawing of casing pipe, complete as per specifications.: Above 20" (500 mm) upto 26" (650 mm) i/d	Rft	2,318.93	10,725.34	m	7,608.02	35,188.13	24.2.1, 24.2.2.1, 24.2.2.8, 24.2.3.1	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-04	Providing strong box of deodar wood 4' x 2½' x 9" with compartments, lock and locking arrangement, and preserving in it the corings / samples of strata collected from bore hole and supply to the approved soil testing laboratory for testing.	Job	1,180.90	19,932.24	Job	1,180.90	19,932.24	24.2.2.1.7	
24-05	Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing.	Per set	0.00	1,457.90	Per set	0.00	1,457.90	24.2.2.1.7	
24-06-a	Providing and installing Stainless Steel Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 6" (150 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	40.74	5,466.41	m	133.67	17,934.43	24.2.2.2 , 24.2.3.2	
24-06-b	Providing and installing Stainless Steel Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 8" (200 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	61.25	6,164.86	m	200.95	20,225.92	24.2.2.2 , 24.2.3.2	
24-06-c	Providing and installing Stainless Steel Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 10" (250 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	70.00	8,886.19	m	229.65	29,154.16	24.2.2.2 , 24.2.3.2	
24-06-d	Providing and installing Stainless Steel Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 10" (250 mm) Nominal Pipe Size (NPS) 1/4" (6 mm) thick	Rft	70.00	9,531.49	m	229.65	31,271.29	24.2.2.2 , 24.2.3.2	
24-06-e	Providing and installing Stainless Steel Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 12" (300 mm) Nominal Pipe Size (NPS) 1/4" (6 mm) thick	Rft	70.00	16,347.25	m	229.65	53,632.71	24.2.2.2 , 24.2.3.2	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-07-a	Providing and installing Brass Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 6" (150 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	52.03	5,842.69	m	170.70	19,168.94	24.2.2.2 , 24.2.3.2	
24-07-b	Providing and installing Brass Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 8" (200 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	78.25	7,262.76	m	256.72	23,827.95	24.2.2.2 , 24.2.3.2	
24-07-c	Providing and installing Brass Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 10" (250 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	89.44	8,413.81	m	293.44	27,604.37	24.2.2.2 , 24.2.3.2	
24-07-d	Providing and installing Brass Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 10" (250 mm) Nominal Pipe Size (NPS) 1/4" (6 mm) thick	Rft	89.44	9,768.94	m	293.44	32,050.33	24.2.2.2 , 24.2.3.2	
24-07-e	Providing and installing Brass Strainer of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 12" (300 mm) Nominal Pipe Size (NPS) 1/4" (6 mm) thick	Rft	89.44	11,920.11	m	293.44	39,107.97	24.2.2.2 , 24.2.3.2	
24-08-a	Providing and installing M.S. Bail plug of approved make / quality in tubewell bore hole complete as per specification:- 6" (150 mm) i/d 2 ft (450 mm) long.	Each	5,363.05	8,026.01	Each	5,363.05	8,026.01	24.2.2.2 , 24.2.3.2	
24-08-b	Providing and installing M.S. Bail plug of approved make / quality in tubewell bore hole complete as per specification:- 8" (200 mm) i/d 2 ft (450 mm) long.	Rft	5,247.29	8,828.05	m	17,215.51	28,963.43	24.2.2.2 , 24.2.3.2	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-08-c	Providing and installing M.S. Bail plug of approved make / quality in tubewell bore hole complete as per specification:- 10" (250 mm) i/d 2 ft (450 mm) long.	Rft	5,363.05	9,753.36	m	17,595.31	31,999.21	24.2.2.2 , 24.2.3.2	
24-08-d	Providing and installing M.S. Bail plug of approved make / quality in tubewell bore hole complete as per specification:- 12" (300 mm) i/d 2 ft (450 mm) long.	Rft	5,363.05	11,595.47	m	17,595.31	38,042.88	24.2.2.2 , 24.2.3.2	
24-09-a-01	Providing and installing PVC Strainer BSS Class "B" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 6" Nominal Pipe Size (NPS) (150mm)	Rft	39.29	384.76	m	128.90	1,262.33	24.2.2.2 , 24.2.3.2	
24-09-b-01	Providing and installing PVC Strainer BSS Class "C" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 6" Nominal Pipe Size (NPS) (150mm)	Rft	39.29	516.95	m	128.90	1,696.04	24.2.2.2 , 24.2.3.2	
24-09-b-02	Providing and installing PVC Strainer BSS Class "C" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:-8" Nominal Pipe Size (NPS) (200 mm)	Rft	48.90	778.23	m	160.43	2,553.25	24.2.2.2 , 24.2.3.2	
24-09-b-03	Providing and installing PVC Strainer BSS Class "C" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification: 10" Nominal Pipe Size (NPS) (250 mm)	Rft	48.90	1,146.05	m	160.43	3,760.01	24.2.2.2 , 24.2.3.2	
24-09-b-04	Providing and installing PVC Strainer BSS Class "C" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:12" Nominal Pipe Size (NPS) (300 mm)	Rft	48.90	1,649.39	m	160.43	5,411.37	24.2.2.2 , 24.2.3.2	
24-09-c-01	Providing and installing PVC Strainer BSS Class "D" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:- 6" Nominal Pipe Size (NPS) (150mm)	Rft	39.29	658.92	m	128.90	2,161.81	24.2.2.2 , 24.2.3.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-09-c-02	Providing and installing PVC Strainer BSS Class "D" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:-8" Nominal Pipe Size (NPS) (250 mm)	Rft	48.90	971.82	m	160.43	3,188.39	24.2.2.2 , 24.2.3.2	
24-09-c-03	Providing and installing PVC Strainer BSS Class "D" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification: 10" Nominal Pipe Size (NPS) (250 mm)	Rft	48.90	1,468.70	m	160.43	4,818.58	24.2.2.2 , 24.2.3.2	
24-09-c-04	Providing and installing PVC Strainer BSS Class "D" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:12" Nominal Pipe Size (NPS) (300 mm)	Rft	48.90	2,101.10	m	160.43	6,893.36	24.2.2.2 , 24.2.3.2	
24-09-d-01	Providing and installing PVC Strainer BSS Class "E" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification: 10" Nominal Pipe Size (NPS) (250 mm)	Rft	48.90	3,523.19	m	160.43	11,559.04	24.2.2.2 , 24.2.3.2	
24-09-d-02	Providing and installing PVC Strainer BSS Class "E" of approved make \ quality in tubewell bore hole, including socket, special sockets, studs etc. complete as per specification:12" Nominal Pipe Size (NPS) (300 mm)	Rft	48.90	3,933.61	m	160.43	12,905.53	24.2.2.2 , 24.2.3.2	
24-10-a-01	Providing and installing wooden bail plug in tubewell BSS Class 'B' working pressure : 6" Nominal Pipe Size (NPS) (150 mm)	Each	563.50	3,010.27	Each	563.50	3,010.27	24.2.2.2 , 24.2.3.2	
24-10-a-02	Providing and installing wooden bail plug in tubewell BSS Class 'B' working pressure :8" (200 mm) Nominal Pipe Size (NPS)	Each	704.38	3,582.93	Each	704.38	3,582.93	24.2.2.2 , 24.2.3.2	
24-10-a-03	Providing and installing wooden bail plug in tubewell BSS Class 'B' working pressure : 10" (250 mm) Nominal Pipe Size (NPS)	Each	704.38	4,090.91	Each	704.38	4,090.91	24.2.2.2 , 24.2.3.2	
24-10-a-04	Providing and installing wooden bail plug in tubewell BSS Class 'B' working pressure : 12" Nominal Pipe Size (NPS) (300 mm)	Each	845.25	4,739.76	Each	845.25	4,739.77	24.2.2.2 , 24.2.3.2	
24-10-b-01	Providing and installing wooden bail plug in tubewell BSS Class 'C' working pressure : 6" Nominal Pipe Size (NPS)(150 mm)	Each	563.50	3,640.31	Each	563.50	3,640.31	24.2.2.2 , 24.2.3.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-10-b-02	Providing and installing wooden bail plug in tubewell BSS Class 'C' working pressure : 8" (200 mm) Nominal Pipe Size (NPS)	Each	704.38	4,324.16	Each	704.38	4,324.16	24.2.2.2 , 24.2.3.2	
24-10-b-03	Providing and installing wooden bail plug in tubewell BSS Class 'C' working pressure : 10" (250 mm) Nominal Pipe Size (NPS)	Each	704.38	4,962.94	Each	704.38	4,962.94	24.2.2.2 , 24.2.3.2	
24-10-b-04	Providing and installing wooden bail plug in tubewell BSS Class 'C' working pressure : 12" Nominal Pipe Size (NPS) (300 mm)	Each	845.25	5,742.60	Each	845.25	5,742.60	24.2.2.2 , 24.2.3.2	
24-10-c-01	Providing and installing wooden bail plug in tubewell BSS Class 'D' working pressure : 6"Nominal Pipe Size (NPS) (150 mm)	Each	563.50	4,267.64	Each	563.50	4,267.64	24.2.2.2 , 24.2.3.2	
24-10-c-02	Providing and installing wooden bail plug in tubewell BSS Class 'D' working pressure : 8" (200 mm) Nominal Pipe Size (NPS)	Each	704.38	5,133.04	Each	704.38	5,133.04	24.2.2.2 , 24.2.3.2	
24-10-c-03	Providing and installing wooden bail plug in tubewell BSS Class 'D' working pressure : 10" (250 mm) i/d	Each	704.38	5,831.21	Each	704.38	5,831.21	24.2.2.2 , 24.2.3.2	
24-10-c-04	Providing and installing wooden bail plug in tubewell BSS Class 'D' working pressure : 12" Nominal Pipe Size (NPS) (300 mm)	Each	845.25	6,741.11	Each	845.25	6,741.11	24.2.2.2 , 24.2.3.2	
24-10-d-01	Providing and installing PVC bail plug in tubewell BSS Class 'D' working pressure : 6"Nominal Pipe Size (NPS) (150 mm)	Each	563.50	4,562.31	Each	563.50	4,562.31	24.2.2.2 , 24.2.3.2	
24-10-d-02	Providing and installing PVC bail plug in tubewell BSS Class 'D' working pressure : 8" (200 mm) Nominal Pipe Size (NPS)	Each	704.38	5,445.51	Each	704.38	5,445.51	24.2.2.2 , 24.2.3.2	
24-10-d-03	Providing and installing PVC bail plug in tubewell BSS Class 'D' working pressure : 10" (250 mm) i/d	Each	704.38	6,036.14	Each	704.38	6,036.14	24.2.2.2 , 24.2.3.2	
24-10-d-04	Providing and installing PVC bail plug in tubewell BSS Class 'D' working pressure : 12" Nominal Pipe Size (NPS) (300 mm)	Each	845.25	6,843.48	Each	845.25	6,843.48	24.2.2.2 , 24.2.3.2	
24-11-a	Providing and installing M.S. blind pipe of socketed & welded, M.S. reducer (where necessary) of approved make / quality in tubewell bore hole, including jointing/welding with strainer, etc. complete as per specification: 6" (150 mm) Nominal Pipe Size (NPS) 3/16" (5 mm) thick	Rft	95.52	1,214.04	m	313.38	3,983.07	24.2.2, 24.2.3, 24.3.6.23 , 24.3.6.34	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-11-b	Providing and installing M.S. blind pipe of socketed & welded, M.S. reducer (where necessary) of approved make / quality in tubewell bore hole, including jointing/welding with strainer, etc. complete as per specification: 8" (200 mm) NPS 3/16" (5 mm) thick	Rft	111.40	1,664.90	m	365.49	5,462.27	24.2.2, 24.2.3, 24.3.6.23 , 24.3.6.34	
24-11-c	Providing and installing M.S. blind pipe of socketed & welded, M.S. reducer (where necessary) of approved make / quality in tubewell bore hole, including jointing/welding with strainer, etc. complete as per specification: 10" (250 mm) Nominal Pipe Size (NPS) 1/4" (6 mm) thick	Rft	111.40	1,975.60	m	365.49	6,481.63	24.2.2, 24.2.3, 24.3.6.23 , 24.3.6.34	
24-11-d	Providing and installing M.S. blind pipe of socketed & welded, M.S. reducer (where necessary) of approved make / quality in tubewell bore hole, including jointing/welding with strainer, etc. complete as per specification: 12" (300 mm) Nominal Pipe Size (NPS) 1/4" (6 mm) thick	Rft	133.71	2,867.87	m	438.68	9,409.02	24.2.2, 24.2.3, 24.3.6.23 , 24.3.6.34	
24-12-a-01	Providing and installing PVC blind pipe BSS Class "B" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 6" Nominal Pipe Size (NPS) (150 mm)	Rft	26.91	357.12	m	88.28	1,171.65	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-b-01	Providing and installing PVC blind pipe BSS Class "C" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 6" Nominal Pipe Size (NPS) (150 mm)	Rft	26.91	499.22	m	88.28	1,637.86	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-b-02	Providing and installing PVC blind pipe BSS Class "C" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 8" Nominal Pipe Size (NPS) (200 mm)	Rft	33.44	756.23	m	109.72	2,481.07	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-12-b-03	Providing and installing PVC blind pipe BSS Class "C" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 10" Nominal Pipe Size (NPS) (250 mm)	Rft	33.44	1,128.35	m	109.72	3,701.93	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-b-04	Providing and installing PVC blind pipe BSS Class "C" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 12" Nominal Pipe Size (NPS) (300 mm)	Rft	41.16	1,626.08	m	135.04	5,334.90	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-01	Providing and installing PVC blind pipe BSS Class "D" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 6" Nominal Pipe Size (NPS) (150 mm)	Rft	26.91	641.30	m	88.28	2,104.00	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-02	Providing and installing PVC blind pipe BSS Class "D" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 8" Nominal Pipe Size (NPS) (200 mm)	Rft	33.44	804.45	m	109.72	2,639.27	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-03	Providing and installing PVC blind pipe BSS Class "D" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 10" Nominal Pipe Size (NPS) (250 mm)	Rft	33.44	1,452.97	m	109.72	4,766.96	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-04	Providing and installing PVC blind pipe BSS Class "D" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 12" Nominal Pipe Size (NPS) (300 mm)	Rft	41.16	2,079.45	m	135.04	6,822.35	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-12-c-05	Providing and installing PVC blind pipe BSS Class "E" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 6" Nominal Pipe Size (NPS) (150 mm)	Rft	26.91	866.29	m	88.28	2,842.17	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-06	Providing and installing PVC blind pipe BSS Class "E" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 8" Nominal Pipe Size (NPS) (200 mm)	Rft	33.44	1,338.21	m	109.72	4,390.45	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-07	Providing and installing PVC blind pipe BSS Class "E" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 10" Nominal Pipe Size (NPS) (250 mm)	Rft	30.13	2,255.07	m	98.87	7,398.52	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-c-08	Providing and installing PVC blind pipe BSS Class "E" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 12" Nominal Pipe Size (NPS) (300 mm)	Rft	41.16	3,139.21	m	135.04	10,299.25	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-d-01	Providing and installing PVC Strainer BSS Class "E" of approved make / quality in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 6" Nominal Pipe Size (NPS) (150 mm)	Rft	26.91	898.58	m	88.28	2,948.09	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-12-d-02	Providing and installing PVC Strainer BSS Class "E" of approved make / quality in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 8" Nominal Pipe Size (NPS) (200 mm)	Rft	33.44	1,388.39	m	109.72	4,555.09	24.2.1.2, 24.2.3, 24.3.5.4, 24.3.6.24 , 24.3.6.34	
24-13-a	Cleaning and washing of tubewell with air compressor in all sizes and depth, 8" i/d and above	Hour	0.00	1,044.67	Hour	0.00	1,044.68	24.2.3.5, 24.3.3	
24-13-b	Testing and developing of tubewell with DNT unit 8" i/d and above complete as per specifications	Hour	0.00	1,324.84	Hour	0.00	1,324.84	24.2.3.5, 24.3.3	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-14	Shrouding with graded pack gravel 3/8" (10 mm) to 1/8" (3 mm) around tubewell in bore hole complete as per specification:-	Rft	41.71	81.03	m	136.85	265.84	24.2.3.3 , 24.2.2.3	
24-15-a	Providing, laying, cutting, jointing, testing and disinfecting grey cast iron spun pipes of approved quality in trenches with spigot and socket, caulked lead joint (BS 416 Part-1), including cost of jointing material, such as lead, yarn, etc. complete as per specifications. : 3" i/d	Rft	47.63	176.00	m	156.28	577.42	24.3.5.1, 24.3.6 , 24.3.6.34	
24-15-b	Providing, laying, cutting, jointing, testing and disinfecting grey cast iron spun pipes of approved quality in trenches with spigot and socket, caulked lead joint (BS 416 Part-1), including cost of jointing material, such as lead, yarn, etc. complete as per specifications : 4" i/d	Rft	58.33	639.55	m	191.37	2,098.28	24.3.5.1, 24.3.6 , 24.3.6.34	
24-15-c	Providing, laying, cutting, jointing, testing and disinfecting grey cast iron spun pipes of approved quality in trenches with spigot and socket, caulked lead joint (BS 416 Part-1), including cost of jointing material, such as lead, yarn, etc. complete as per specifications : 6" i/d	Rft	85.73	1,251.37	m	281.25	4,105.56	24.3.5.1, 24.3.6 , 24.3.6.34	
24-15-d	Providing, laying, cutting, jointing, testing and disinfecting grey cast iron spun pipes of approved quality in trenches with spigot and socket, caulked lead joint (BS 416 Part-1), including cost of jointing material, such as lead, yarn, etc. complete as per specifications :8" i/d	Rft	96.53	2,101.69	m	316.70	6,895.31	24.3.5.1, 24.3.6 , 24.3.6.34	
24-15-e	Providing, laying, cutting, jointing, testing and disinfecting grey cast iron spun pipes of approved quality in trenches with spigot and socket, caulked lead joint (BS 416 Part-1), including cost of jointing material, such as lead, yarn, etc. complete as per specifications: 10" i/d	Rft	106.31	2,607.38	m	348.77	8,554.38	24.3.5.1, 24.3.6 , 24.3.6.34	
24-15-f	Providing, laying, cutting, jointing, testing and disinfecting grey cast iron spun pipes of approved quality in trenches with spigot and socket, caulked lead joint (BS 416 Part-1), including cost of jointing material, such as lead, yarn, etc. complete as per specifications: 12" i/d	Rft	116.08	2,926.83	m	380.84	9,602.47	24.3.5.1, 24.3.6 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-a-01	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. ½" Nominal Pipe Size (NPS)	Rft	7.35	107.59	m	24.11	353.00	24.3.5.3, 24.3.6, 24.3.6.34	
24-16-a-02	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc. complete as per specifications except excavation. ¾" Nominal Pipe Size (NPS)	Rft	8.45	138.41	m	27.73	454.11	24.3.5.3, 24.3.6, 24.3.6.34	
24-16-a-03	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 1" Nominal Pipe Size (NPS)	Rft	8.45	211.94	m	27.73	695.33	24.3.5.3, 24.3.6, 24.3.6.34	
24-16-a-04	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 1¼" Nominal Pipe Size (NPS)	Rft	9.78	271.81	m	32.07	891.76	24.3.5.3, 24.3.6, 24.3.6.34	
24-16-a-05	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 1½" Nominal Pipe Size (NPS)	Rft	9.78	311.50	m	32.07	1,021.99	24.3.5.3, 24.3.6, 24.3.6.34	
24-16-a-06	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 2" Nominal Pipe Size (NPS)	Rft	10.22	432.71	m	33.52	1,419.64	24.3.5.3, 24.3.6, 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-a-07	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 2½" Nominal Pipe Size (NPS)	Rft	10.51	551.09	m	34.48	1,808.04	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-a-08	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 3" Nominal Pipe Size (NPS)	Rft	11.76	696.28	m	38.58	2,284.39	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-a-09	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 4" Nominal Pipe Size (NPS)	Rft	12.72	998.63	m	41.72	3,276.34	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-a-10	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 5" Nominal Pipe Size (NPS)	Rft	14.70	1,231.60	m	48.23	4,040.68	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-a-11	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 6" Nominal Pipe Size (NPS)	Rft	14.70	1,461.36	m	48.23	4,794.48	24.3.5.3, 24.3.6 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-a-12	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. 8" Nominal Pipe Size (NPS)	Rft	14.70	2,833.87	m	48.23	9,297.46	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-01	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Quality) including specials etc.Complete as per specifications except excavation. ½" Nominal Pipe Size (NPS)	Rft	7.35	89.41	m	24.11	293.35	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-02	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc. complete as per specifications except excavation. ¾" Nominal Pipe Size (NPS)	Rft	8.45	94.83	m	27.73	311.11	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-03	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 1" Nominal Pipe Size (NPS)	Rft	8.45	131.12	m	27.73	430.17	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-04	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 1¼" Nominal Pipe Size (NPS)	Rft	9.78	169.97	m	32.07	557.65	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-05	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 1½" Nominal Pipe Size (NPS)	Rft	9.78	214.09	m	32.07	702.40	24.3.5.3, 24.3.6 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-b-06	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 2" Nominal Pipe Size (NPS)	Rft	10.22	356.19	m	33.52	1,168.59	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-07	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 2½" Nominal Pipe Size (NPS)	Rft	10.51	454.07	m	34.48	1,489.72	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-08	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 3" Nominal Pipe Size (NPS)	Rft	11.76	586.17	m	38.58	1,923.13	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-09	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 4" Nominal Pipe Size (NPS)	Rft	12.72	835.51	m	41.72	2,741.18	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-b-10	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 5" Nominal Pipe Size (NPS)	Rft	14.70	1,139.11	m	48.23	3,737.24	24.3.5.3, 24.3.6 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-b-11	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 6" Nominal Pipe Size (NPS)	Rft	14.70	1,323.73	m	48.23	4,342.94	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-01	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc. complete as per specifications except excavation. 1/2" Nominal Pipe Size (NPS)	Rft	7.35	73.89	m	24.11	242.42	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-02	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc. complete as per specifications except excavation. 3/4" Nominal Pipe Size (NPS)	Rft	8.45	103.81	m	27.73	340.59	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-03	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 1" Nominal Pipe Size (NPS)	Rft	8.45	143.73	m	27.73	471.56	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-04	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 1¼" Nominal Pipe Size (NPS)	Rft	9.78	184.99	m	32.07	606.91	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-05	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 1½" Nominal Pipe Size (NPS)	Rft	9.78	229.34	m	32.07	752.43	24.3.5.3, 24.3.6 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-c-06	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 2" Nominal Pipe Size (NPS)	Rft	10.22	287.44	m	33.52	943.03	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-07	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 2½" Nominal Pipe Size (NPS)	Rft	10.51	405.27	m	34.48	1,329.64	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-08	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 3" Nominal Pipe Size (NPS)	Rft	11.76	475.27	m	38.58	1,559.30	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-09	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 4" Nominal Pipe Size (NPS)	Rft	12.72	686.92	m	41.72	2,253.68	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-10	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 5" Nominal Pipe Size (NPS)	Rft	14.70	932.86	m	48.23	3,060.55	24.3.5.3, 24.3.6 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-c-11	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation. 6" Nominal Pipe Size (NPS)	Rft	14.70	1,112.50	m	48.23	3,649.94	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-12	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 1/2" Nominal Pipe Size (NPS)	Rft	7.35	72.56	m	24.11	238.06	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-13	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 3/4" Nominal Pipe Size (NPS)	Rft	8.45	100.03	m	27.73	328.20	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-14	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 1" Nominal Pipe Size (NPS)	Rft	8.45	138.76	m	27.73	455.25	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-15	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 1 1/4" Nominal Pipe Size (NPS)	Rft	9.78	179.57	m	32.07	589.13	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-16	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 1 1/2" Nominal Pipe Size (NPS)	Rft	9.78	223.05	m	32.07	731.80	24.3.5.3, 24.3.6 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-c-17	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 2" Nominal Pipe Size (NPS)	Rft	10.22	281.61	m	33.52	923.91	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-18	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 2 1/2" Nominal Pipe Size (NPS)	Rft	10.51	391.50	m	34.48	1,284.46	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-19	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 3" Nominal Pipe Size (NPS)	Rft	11.76	452.72	m	38.58	1,485.29	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-20	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 4" Nominal Pipe Size (NPS)	Rft	12.72	645.38	m	41.72	2,117.37	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-21	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 5" Nominal Pipe Size (NPS)	Rft	14.70	891.73	m	48.23	2,925.63	24.3.5.3, 24.3.6 , 24.3.6.34	
24-16-c-22	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 6" Nominal Pipe Size (NPS)	Rft	14.70	1,055.04	m	48.23	3,461.40	24.3.5.3, 24.3.6 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-16-c-23	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Extra Light quality) including specials etc. complete as per specifications except excavation. 8" Nominal Pipe Size (NPS)	Rft	44.10	1,652.81	m	144.69	5,422.59	24.3.5.3, 24.3.6, 24.3.6.34	
24-17-a-01	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 3" Nominal Pipe Size (NPS)	Rft	15.08	297.10	m	49.47	974.74	24.3.5.3, 24.3.6, 24.3.6.34	
24-17-a-02	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 4" Nominal Pipe Size (NPS)	Rft	45.42	415.87	m	149.01	1,364.39	24.3.5.5, 24.3.6, 24.3.6.34	
24-17-a-03	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 6" Nominal Pipe Size (NPS)	Rft	49.52	639.85	m	162.47	2,099.25	24.3.5.5, 24.3.6, 24.3.6.34	
24-17-a-04	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 8" Nominal Pipe Size (NPS)	Rft	55.47	1,053.29	m	181.98	3,455.69	24.3.5.5, 24.3.6, 24.3.6.34	
24-17-a-05	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 10" Nominal Pipe Size (NPS)	Rft	63.00	1,422.91	m	206.70	4,668.35	24.3.5.5, 24.3.6, 24.3.6.34	
24-17-a-06	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 12" Nominal Pipe Size (NPS)	Rft	70.98	1,871.85	m	232.88	6,141.23	24.3.5.5, 24.3.6, 24.3.6.34	
24-17-a-07	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 14" Nominal Pipe Size (NPS)	Rft	75.19	3,610.00	m	246.69	11,843.83	24.3.5.5, 24.3.6, 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-17-a-08	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 16" Nominal Pipe Size (NPS)	Rft	80.56	4,488.91	m	264.29	14,727.40	24.3.5.5, 24.3.6 , 24.3.6.34	
24-17-a-09	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 18" Nominal Pipe Size (NPS)	Rft	86.71	4,495.06	m	284.47	14,747.58	24.3.5.5, 24.3.6 , 24.3.6.34	
24-17-a-10	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 20" Nominal Pipe Size (NPS)	Rft	105.47	5,534.35	m	346.02	18,157.32	24.3.5.5, 24.3.6 , 24.3.6.34	
24-17-a-11	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "B" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 24" Nominal Pipe Size (NPS)	Rft	115.00	7,625.58	m	377.31	25,018.30	24.3.5.5, 24.3.6 , 24.3.6.34	
24-17-b-01	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 4" Nominal Pipe Size (NPS)	Rft	45.42	455.30	m	149.01	1,493.77	24.3.6 , 24.3.6.34	
24-17-b-02	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 6" Nominal Pipe Size (NPS)	Rft	49.52	761.74	m	162.47	2,499.15	24.3.6 , 24.3.6.34	
24-17-b-03	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 8" Nominal Pipe Size (NPS)	Rft	55.47	1,187.13	m	181.98	3,894.79	24.3.6 , 24.3.6.34	
24-17-b-04	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 10" Nominal Pipe Size (NPS)	Rft	63.63	1,644.61	m	208.75	5,395.71	24.3.6 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-17-b-05	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 12" Nominal Pipe Size (NPS)	Rft	71.82	2,276.59	m	235.62	7,469.13	24.3.6 , 24.3.6.34	
24-17-b-06	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 14" Nominal Pipe Size (NPS)	Rft	75.19	4,151.34	m	246.69	13,619.87	24.3.6 , 24.3.6.34	
24-17-b-07	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 16" Nominal Pipe Size (NPS)	Rft	81.49	5,300.06	m	267.37	17,388.64	24.3.6 , 24.3.6.34	
24-17-b-08	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 18" Nominal Pipe Size (NPS)	Rft	85.56	6,489.56	m	280.71	21,291.22	24.3.6 , 24.3.6.34	
24-17-b-09	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 20" Nominal Pipe Size (NPS)	Rft	101.51	7,724.41	m	333.04	25,342.57	24.3.6 , 24.3.6.34	
24-17-b-10	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "C" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 24" Nominal Pipe Size (NPS)	Rft	115.00	10,868.81	m	377.31	35,658.83	24.3.6 , 24.3.6.34	
24-17-c-01	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 4" Nominal Pipe Size (NPS)	Rft	53.12	521.56	m	174.29	1,711.16	24.3.6 , 24.3.6.34	
24-17-c-02	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 6" Nominal Pipe Size (NPS)	Rft	49.10	908.31	m	161.10	2,980.02	24.3.6 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-17-c-03	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 8" Nominal Pipe Size (NPS)	Rft	54.95	1,582.16	m	180.27	5,190.80	24.3.6 , 24.3.6.34	
24-17-c-04	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 10" Nominal Pipe Size (NPS)	Rft	63.00	2,321.55	m	206.70	7,616.64	24.3.6 , 24.3.6.34	
24-17-c-05	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 12" Nominal Pipe Size (NPS)	Rft	70.98	3,375.16	m	232.88	11,073.35	24.3.6 , 24.3.6.34	
24-17-c-06	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 14" Nominal Pipe Size (NPS)	Rft	75.19	5,984.47	m	246.69	19,634.07	24.3.6 , 24.3.6.34	
24-17-c-07	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 16" Nominal Pipe Size (NPS)	Rft	80.56	7,722.58	m	264.29	25,336.55	24.3.6 , 24.3.6.34	
24-17-c-08	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 18" Nominal Pipe Size (NPS)	Rft	85.56	9,289.45	m	280.71	30,477.20	24.3.6 , 24.3.6.34	
24-17-c-09	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 20" Nominal Pipe Size (NPS)	Rft	101.51	11,335.71	m	333.04	37,190.65	24.3.6 , 24.3.6.34	
24-17-c-10	Providing laying, cutting, jointing, testing & disinfecting AC pipeline of BSS with "D" Class working pressure pipe in trenches with cement joint & rubbering complete in all respect: except excavation. 24" Nominal Pipe Size (NPS)	Rft	115.00	16,359.83	m	377.31	53,673.98	24.3.6 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-a-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Rft	7.35	130.13	m	24.11	426.94	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-a-02	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 4" Nominal Pipe Size (NPS)	Rft	9.78	195.02	m	32.07	639.83	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-a-03	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 5" Nominal Pipe Size (NPS)	Rft	11.76	267.01	m	38.58	876.01	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-a-04	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 6" Nominal Pipe Size (NPS)	Rft	11.76	374.15	m	38.58	1,227.53	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-a-05	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 8" Nominal Pipe Size (NPS)	Rft	16.76	566.64	m	54.98	1,859.05	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-a-06	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 10" Nominal Pipe Size (NPS)	Rft	23.52	939.41	m	77.17	3,082.07	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-a-07	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 12" Nominal Pipe Size (NPS)	Rft	29.40	1,322.54	m	96.46	4,339.04	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 2" NPS	Rft	7.35	82.72	m	24.11	271.38	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-02	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 2.5" Nominal Pipe Size (NPS)	Rft	5.88	115.70	m	19.29	379.59	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-03	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Rft	7.35	156.48	m	24.11	513.38	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-b-04	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 4" Nominal Pipe Size (NPS)	Rft	9.78	249.43	m	32.07	818.34	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-05	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 5" Nominal Pipe Size (NPS)	Rft	11.76	379.15	m	38.58	1,243.92	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-06	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 6" Nominal Pipe Size (NPS)	Rft	11.76	527.64	m	38.58	1,731.09	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-07	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 8" Nominal Pipe Size (NPS)	Rft	16.76	838.15	m	54.98	2,749.84	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-b-08	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (9 Bar) except excavation. 10" Nominal Pipe Size (NPS)	Rft	23.52	1,432.26	m	77.17	4,699.01	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-b-09	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class C (6 Bar) except excavation. 12" Nominal Pipe Size (NPS)	Rft	29.40	2,012.99	m	96.46	6,604.29	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 1.25" Nominal Pipe Size (NPS)	Rft	2.65	47.17	m	8.68	154.77	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-02	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 1.5" Nominal Pipe Size (NPS)	Rft	4.12	61.83	m	13.50	202.85	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-03	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 2" Nominal Pipe Size (NPS)	Rft	5.88	94.66	m	19.29	310.55	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-04	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 2.5" Nominal Pipe Size (NPS)	Rft	5.88	141.47	m	19.29	464.15	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-c-05	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Rft	7.35	202.05	m	24.11	662.90	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-06	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 4" Nominal Pipe Size (NPS)	Rft	9.78	331.96	m	32.07	1,089.12	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-07	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 5" Nominal Pipe Size (NPS)	Rft	11.76	493.45	m	38.58	1,618.92	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-08	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 6" Nominal Pipe Size (NPS)	Rft	11.76	715.42	m	38.58	2,347.19	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-09	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 8" Nominal Pipe Size (NPS)	Rft	16.76	1,087.38	m	54.98	3,567.53	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-c-10	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 10" Nominal Pipe Size (NPS)	Rft	23.52	1,861.81	m	77.17	6,108.29	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-c-11	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class D (12 Bar) except excavation. 12" Nominal Pipe Size (NPS)	Rft	29.40	2,614.74	m	96.46	8,578.54	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 3/4" Nominal Pipe Size (NPS)	Rft	1.32	26.13	m	4.34	85.72	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-02	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 1" Nominal Pipe Size (NPS)	Rft	1.32	38.00	m	4.34	124.66	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-03	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 1.25" Nominal Pipe Size (NPS)	Rft	2.65	56.52	m	8.68	185.43	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-d-04	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 1.5" Nominal Pipe Size (NPS)	Rft	4.12	73.88	m	13.50	242.40	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-05	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 2" Nominal Pipe Size (NPS)	Rft	5.88	118.11	m	19.29	387.50	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-06	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 2.5" Nominal Pipe Size (NPS)	Rft	5.88	176.82	m	19.29	580.11	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-07	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Rft	7.35	244.95	m	24.11	803.65	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-08	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 4" Nominal Pipe Size (NPS)	Rft	9.78	396.51	m	32.07	1,300.90	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-18-d-09	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 5" Nominal Pipe Size (NPS)	Rft	11.76	603.62	m	38.58	1,980.38	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-10	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 6" Nominal Pipe Size (NPS)	Rft	11.76	852.19	m	38.58	2,795.91	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-11	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 8" Nominal Pipe Size (NPS)	Rft	16.76	1,322.70	m	54.98	4,339.55	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-12	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 10" Nominal Pipe Size (NPS)	Rft	23.52	2,249.77	m	77.17	7,381.14	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	
24-18-d-13	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications uPVC Pressure Pipes Class E (15 Bar) except excavation. 12" Nominal Pipe Size (NPS)	Rft	29.40	3,128.94	m	96.46	10,265.54	24.3.5.4, 24.3.6, 24.3.6.24 , 24.3.6.34	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-19-a-01	Providing and fixing Cast Iron Special of BSS class " 'B', 'C', 'D' " (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug, etc.) for cast iron pipe line, complete. (a) C.I. Specials with spigot and socket joint. 3" to 6" Nominal Pipe Size (NPS)	Kg	200.36	298.49	Kg	200.36	298.49	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-19-a-02	Providing and fixing cast iron special of BSS class " 'B', 'C', 'D' " (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug, etc.) for cast iron pipe line, complete. (a) C.I. Specials with spigot and socket joint. 8" to 12" i/d	Kg	115.54	213.68	Kg	115.54	213.68	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-19-b-01	Providing and fixing cast iron special of BSS class " 'B', 'C', 'D' " (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug, etc.) for cast iron pipe line, complete. (b) C.I. Flanged special with flanged joints. 3" to 6" i/d	Kg	252.55	350.68	Kg	252.55	350.68	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-19-b-02	Providing and fixing cast iron special of BSS class " 'B', 'C', 'D' " (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug, etc.) for cast iron pipe line, complete. (b) C.I. Flanged special with flanged joints. 8" to 12" i/d	Kg	124.36	222.50	Kg	124.36	222.50	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-19-c-01	Providing and fixing cast iron special of BSS class " 'B', 'C', 'D' " (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug, etc.) for cast iron pipe line, complete. (c) CI specials with tyton joints. 3" to 6" i/d	Kg	206.98	305.11	Kg	206.98	305.11	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-19-c-02	Providing and fixing cast iron special of BSS class " 'B', 'C', 'D' " (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug, etc.) for cast iron pipe line, complete. (c) CI specials with tyton joints. 8" to 12" i/d	Kg	120.25	218.38	Kg	120.25	218.38	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-20-a	Providing and fixing C.I. special of BSS Class "B" (such as bend, tee, cross, collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch plug etc.) for AC pipe line with cement joint and rubber ring complete : 3" to 6" i/d	Kg	88.64	196.59	Kg	88.64	196.59	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-20-b	Providing and fixing C.I. special of BSS Class "B" (such as bend, tee, cross, collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch plug etc.) for AC pipe line with cement joint and rubber ring complete : 8" to 18" i/d	Kg	137.81	245.76	Kg	137.81	245.76	24.3.5.1, 24.3.6, 24.3.6.17, 24.3.6.21 , 24.3.6.34	
24-21-a	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for Cast Iron & AC pipe line (including cost of jointing material):- a) 3" (75 mm) dia of Valve	Each	822.28	17,761.64	Each	822.28	17,761.64	24.3.5.6.2 , 24.3.6.18	
24-21-b	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for Cast Iron & AC pipe line (including cost of jointing material):- b) 4" (100 mm) dia of Valve	Each	661.50	20,968.37	Each	661.50	20,968.37	24.3.5.6.2 , 24.3.6.18	
24-21-c	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for Cast Iron & AC pipe line (including cost of jointing material):- c) 6" (150 mm) dia of Valve	Each	918.75	35,838.56	Each	918.75	35,838.56	24.3.5.6.2 , 24.3.6.18	
24-21-d	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for Cast Iron & AC pipe line (including cost of jointing material):- d) 8" (200 mm) dia of Valve	Each	918.75	31,178.06	Each	918.75	31,178.06	24.3.5.6.2 , 24.3.6.18	
24-21-e	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for cost iron pipe line (including cost of jointing material):- d) 10" (250 mm) dia of Valve	Each	2,756.25	38,990.56	Each	2,756.25	38,990.56	24.3.5.6.2 , 24.3.6.18	
24-21-f	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for Cast Iron & AC pipe line (including cost of jointing material):- d) 12" (300 mm) dia of Valve	Each	4,134.38	46,343.69	Each	4,134.38	46,343.69	24.3.5.6.2 , 24.3.6.18	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-22-a	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- b) 3" (78 mm) dia of Valve	Each	2,273.91	19,213.27	Each	2,273.91	19,213.27	24.3.5.6.2 , 24.3.6.18	
24-22-b	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- b) 4" (100 mm) dia of Valve	Each	2,273.91	22,580.78	Each	2,273.91	22,580.78	24.3.5.6.2 , 24.3.6.18	
24-22-c	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- c) 6" (150 mm) dia of Valve	Each	2,756.25	37,676.06	Each	2,756.25	37,676.06	24.3.5.6.2 , 24.3.6.18	
24-22-d	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- d) 8" (200 mm) dia of Valve	Each	3,445.31	33,782.06	Each	3,445.31	33,782.06	24.3.5.6.2 , 24.3.6.18	
24-22-e	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- d) 10" (250 mm) dia of Valve	Each	4,455.94	40,792.06	Each	4,455.94	40,792.06	24.3.5.6.2 , 24.3.6.18	
24-22-f	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- d) 12" (300 mm) dia of Valve	Each	5,512.50	47,859.48	Each	5,512.50	47,859.48	24.3.5.6.2 , 24.3.6.18	
24-22-g	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- d) 15" (375 mm) dia of Valve	Each	5,512.50	77,744.52	Each	5,512.50	77,744.52	24.3.5.6.2 , 24.3.6.18	
24-22-h	Providing and fixing sluice valve of BSS quality (BS 5163) and weight Class 'B' for GI & PVC pipeline (including cost of jointing material):- d) 18" (450 mm) dia of Valve	Each	5,512.50	77,754.55	Each	5,512.50	77,754.55	24.3.5.6.2 , 24.3.6.18	
24-23	Providing and fixing, fire hydrants B.S.S. quality and weight of 2-1/2" (65 mm) dia (including cost of jointing material):-	Each	294.00	21,206.50	Each	294.00	21,206.50	24.3.5.6	
24-24-a	Providing and fixing, air valve 3" dia of B.S.S. quality and weight (BS 1074) complete with jointing material a. Single air valve 3" (75 mm) dia	Each	64.31	3,858.68	Each	64.31	3,858.68	24.3.5.5.3	



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MARKET RATE SYSTEM - 2020

Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-24-b	Providing and fixing, air valve (Kitz Japan make or equivalent) 3" dia of B.S.S. quality and weight (BS 1074) complete with jointing material b. Double air valve 3" (75 mm) dia	Each	64.31	6,248.68	Each	64.31	6,248.68	24.3.5.5.3	
24-25-a-01	Providing and fitting MS Flanges 5/8" thick on pipes, including turning, threading, facing and fitting etc., complete in all respects. a. 3"	Kg	53.91	171.02	Kg	53.91	171.02	24.3.6.23	
24-25-a-02	Providing and fitting MS Flanges 5/8" thick on pipes, including turning, threading, facing and fitting etc., complete in all respects. b. 4"	Kg	42.30	159.41	Kg	42.30	159.41	24.3.6.23	
24-25-a-03	Providing and fitting MS Flanges 5/8" thick on pipes, including turning, threading, facing and fitting etc., complete in all respects. C.6"	Kg	42.81	159.92	Kg	42.81	159.92	24.3.6.23	
24-25-b-01	Providing and fitting MS Flanges 5/8" thick on pipes, including turning, threading, facing and fitting etc., complete in all respects. 8"	Kg	24.72	141.83	Kg	24.72	141.83	24.3.6.23	
24-25-b-02	Providing and fitting MS Flanges 5/8" thick on pipes, including turning, threading, facing and fitting etc., complete in all respects. 10"	Kg	18.31	135.42	Kg	18.31	135.42	24.3.6.23	
24-25-b-03	Providing and fitting MS Flanges 5/8" thick on pipes, including turning, threading, facing and fitting etc., complete in all respects. 12"	Kg	12.68	129.79	Kg	12.68	129.79	24.3.6.23	
24-26-a-01	Providing and installing PVC bends BSS Class 'B' working pressure : 2" i/d	Each	236.12	302.11	Each	236.12	302.11	24.3.5.4 , 24.3.6.24	
24-26-a-02	Providing and installing PVC bends BSS Class 'B' working pressure : 3" i/d	Each	258.46	405.17	Each	258.46	405.17	24.3.5.4 , 24.3.6.24	
24-26-a-03	Providing and installing PVC bends BSS Class 'B' working pressure : 4" i/d	Each	344.53	533.49	Each	344.53	533.49	24.3.5.4 , 24.3.6.24	
24-26-a-04	Providing and installing PVC bends BSS Class 'B' working pressure : 6" i/d	Each	499.51	1,035.03	Each	499.51	1,035.03	24.3.5.4 , 24.3.6.24	
24-26-a-05	Providing and installing PVC bends BSS Class 'B' working pressure : 8" i/d	Each	689.06	1,339.74	Each	689.06	1,339.74	24.3.5.4 , 24.3.6.24	
24-26-a-06	Providing and installing PVC bends BSS Class 'B' working pressure : 10" i/d	Each	861.33	4,804.83	Each	861.33	4,804.83	24.3.5.4 , 24.3.6.24	
24-26-a-07	Providing and installing PVC bends BSS Class 'B' working pressure : 12" i/d	Each	1,033.59	6,948.84	Each	1,033.59	6,948.84	24.3.5.4 , 24.3.6.24	
24-26-b-01	Providing and installing PVC bends BSS Class 'C' working pressure : 2" i/d	Each	236.12	301.84	Each	236.12	301.84	24.3.5.4 , 24.3.6.24	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-26-b-02	Providing and installing PVC bends BSS Class 'C' working pressure : 3" i/d	Each	258.46	477.96	Each	258.46	477.96	24.3.5.4 , 24.3.6.24	
24-26-b-03	Providing and installing PVC bends BSS Class 'C' working pressure : 4" i/d	Each	344.53	650.78	Each	344.53	650.78	24.3.5.4 , 24.3.6.24	
24-26-b-04	Providing and installing PVC bends BSS Class 'C' working pressure : 6" i/d	Each	499.63	1,091.16	Each	499.63	1,091.16	24.3.5.4 , 24.3.6.24	
24-26-b-05	Providing and installing PVC bends BSS Class 'C' working pressure : 8" i/d	Each	689.06	5,158.36	Each	689.06	5,158.36	24.3.5.4 , 24.3.6.24	
24-26-b-06	Providing and installing PVC bends BSS Class 'C' working pressure : 10" i/d	Each	861.33	8,984.94	Each	861.33	8,984.94	24.3.5.4 , 24.3.6.24	
24-26-b-07	Providing and installing PVC bends BSS Class 'C' working pressure : 12" i/d	Each	1,033.59	9,249.22	Each	1,033.59	9,249.22	24.3.5.4 , 24.3.6.24	
24-26-c-01	Providing and installing PVC bends BSS Class 'D' working pressure :2" i/d	Each	236.12	301.84	Each	236.12	301.84	24.3.5.4 , 24.3.6.24	
24-26-c-02	Providing and installing PVC bends BSS Class 'D' working pressure :3" i/d	Each	258.46	389.90	Each	258.46	389.90	24.3.5.4 , 24.3.6.24	
24-26-c-03	Providing and installing PVC bends BSS Class 'D' working pressure :4" i/d	Each	344.53	528.54	Each	344.53	528.54	24.3.5.4 , 24.3.6.24	
24-26-c-04	Providing and installing PVC bends BSS Class 'D' working pressure :6" i/d	Each	499.51	1,091.03	Each	499.51	1,091.03	24.3.5.4 , 24.3.6.24	
24-26-c-05	Providing and installing PVC bends BSS Class 'D' working pressure :8" i/d	Each	689.06	6,341.41	Each	689.06	6,341.41	24.3.5.4 , 24.3.6.24	
24-26-c-06	Providing and installing PVC bends BSS Class 'D' working pressure :10" i/d	Each	861.33	9,142.68	Each	861.33	9,142.68	24.3.5.4 , 24.3.6.24	
24-26-c-07	Providing and installing PVC bends BSS Class 'D' working pressure :12" i/d	Each	1,033.59	9,577.84	Each	1,033.59	9,577.84	24.3.5.4 , 24.3.6.24	
24-27-a-01	Providing and installing PVC tees BSS Class 'B' working pressure : 2" i/d	Each	344.53	432.87	Each	344.53	432.87	24.3.5.4 , 24.3.6.24	
24-27-a-02	Providing and installing PVC tees BSS Class 'B' working pressure : 3" i/d	Each	413.44	628.23	Each	413.44	628.23	24.3.5.4 , 24.3.6.24	
24-27-a-03	Providing and installing PVC tees BSS Class 'B' working pressure : 4" i/d	Each	551.25	857.00	Each	551.25	857.00	24.3.5.4 , 24.3.6.24	
24-27-a-04	Providing and installing PVC tees BSS Class 'B' working pressure : 6" i/d	Each	757.97	1,836.12	Each	757.97	1,836.12	24.3.5.4 , 24.3.6.24	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-27-a-05	Providing and installing PVC tees BSS Class 'B' working pressure : 8" i/d	Each	1,119.66	4,778.18	Each	1,119.66	4,778.18	24.3.5.4 , 24.3.6.24	
24-27-a-06	Providing and installing PVC tees BSS Class 'B' working pressure : 10" i/d	Each	1,292.06	5,012.09	Each	1,292.06	5,012.09	24.3.5.4 , 24.3.6.24	
24-27-a-07	Providing and installing PVC tees BSS Class 'B' working pressure : 12" i/d	Each	1,550.39	5,493.89	Each	1,550.39	5,493.89	24.3.5.4 , 24.3.6.24	
24-27-b-01	Providing and installing PVC tees BSS Class 'C' working pressure : 2" i/d	Each	344.53	446.40	Each	344.53	446.40	24.3.5.4 , 24.3.6.24	
24-27-b-02	Providing and installing PVC tees BSS Class 'C' working pressure : 3" i/d	Each	413.44	646.76	Each	413.44	646.76	24.3.5.4 , 24.3.6.24	
24-27-b-03	Providing and installing PVC tees BSS Class 'C' working pressure : 4" i/d	Each	551.25	886.45	Each	551.25	886.45	24.3.5.4 , 24.3.6.24	
24-27-b-04	Providing and installing PVC tees BSS Class 'C' working pressure : 6" i/d	Each	757.97	2,000.17	Each	757.97	2,000.17	24.3.5.4 , 24.3.6.24	
24-27-b-05	Providing and installing PVC tees BSS Class 'C' working pressure : 8" i/d	Each	1,119.66	9,992.54	Each	1,119.66	9,992.54	24.3.5.4 , 24.3.6.24	
24-27-b-06	Providing and installing PVC tees BSS Class 'C' working pressure : 10" i/d	Each	1,285.63	9,369.80	Each	1,285.63	9,369.80	24.3.5.4 , 24.3.6.24	
24-27-b-07	Providing and installing PVC tees BSS Class 'C' working pressure : 12" i/d	Each	1,550.39	12,723.64	Each	1,550.39	12,723.64	24.3.5.4 , 24.3.6.24	
24-27-c-01	Providing and installing PVC tees BSS Class 'D' working pressure : 2" i/d	Each	344.53	423.40	Each	344.53	423.40	24.3.5.4 , 24.3.6.24	
24-27-c-02	Providing and installing PVC tees BSS Class 'D' working pressure : 3" i/d	Each	413.44	617.18	Each	413.44	617.18	24.3.5.4 , 24.3.6.24	
24-27-c-03	Providing and installing PVC tees BSS Class 'D' working pressure : 4" i/d	Each	551.25	827.29	Each	551.25	827.29	24.3.5.4 , 24.3.6.24	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-27-c-04	Providing and installing PVC tees BSS Class 'D'working pressure : 6" i/d	Each	757.97	1,678.12	Each	757.97	1,678.12	24.3.5.4 , 24.3.6.24	
24-27-c-05	Providing and installing PVC tees BSS Class 'D'working pressure : 8" i/d	Each	1,119.66	6,114.76	Each	1,119.66	6,114.76	24.3.5.4 , 24.3.6.24	
24-27-c-06	Providing and installing PVC tees BSS Class 'D'working pressure : 10" i/d	Each	1,292.06	9,573.41	Each	1,292.06	9,573.41	24.3.5.4 , 24.3.6.24	
24-27-c-07	Providing and installing PVC tees BSS Class 'D' working pressure : 12" i/d	Each	1,550.39	10,751.89	Each	1,550.39	10,751.89	24.3.5.4 , 24.3.6.24	
24-28-a-01	Providing and installing PVC sockets BSS Class 'B' working pressure : 2" i/d	Each	115.30	175.51	Each	115.30	175.51	24.3.5.4 , 24.3.6.24	
24-28-a-02	Providing and installing PVC sockets BSS Class 'B' working pressure : 3" i/d	Each	120.65	224.23	Each	120.65	224.23	24.3.5.4 , 24.3.6.24	
24-28-a-03	Providing and installing PVC sockets BSS Class 'B' working pressure : 4" i/d	Each	172.27	304.50	Each	172.27	304.50	24.3.5.4 , 24.3.6.24	
24-28-a-04	Providing and installing PVC sockets BSS Class 'B' working pressure : 6" i/d	Each	1,254.31	1,722.01	Each	1,254.31	1,722.01	24.3.5.4 , 24.3.6.24	
24-28-a-05	Providing and installing PVC sockets BSS Class 'B' working pressure : 8" i/d	Each	344.53	1,747.98	Each	344.53	1,747.98	24.3.5.4 , 24.3.6.24	
24-28-a-06	Providing and installing PVC sockets BSS Class 'B' working pressure : 10" i/d	Each	430.34	2,533.54	Each	430.34	2,533.54	24.3.5.4 , 24.3.6.24	
24-28-a-07	Providing and installing PVC sockets BSS Class 'B' working pressure : 12" i/d	Each	516.80	2,587.13	Each	516.80	2,587.13	24.3.5.4 , 24.3.6.24	
24-28-b-01	Providing and installing PVC sockets BSS Class 'C' working pressure: 2" i/d	Each	115.30	181.03	Each	115.30	181.03	24.3.5.4 , 24.3.6.24	
24-28-b-02	Providing and installing PVC sockets BSS Class 'C' working pressure: 3" i/d	Each	627.05	747.32	Each	627.05	747.32	24.3.5.4 , 24.3.6.24	
24-28-b-03	Providing and installing PVC sockets BSS Class 'C' working pressure: 4" i/d	Each	172.27	307.00	Each	172.27	307.00	24.3.5.4 , 24.3.6.24	
24-28-b-04	Providing and installing PVC sockets BSS Class 'C' working pressure: 6" i/d	Each	241.17	766.97	Each	241.17	766.97	24.3.5.4 , 24.3.6.24	
24-28-b-05	Providing and installing PVC sockets BSS Class 'C' working pressure: 8" i/d	Each	344.53	1,757.62	Each	344.53	1,757.62	24.3.5.4 , 24.3.6.24	
24-28-b-06	Providing and installing PVC sockets BSS Class 'C' working pressure: 10" i/d	Each	430.60	2,928.15	Each	430.60	2,928.15	24.3.5.4 , 24.3.6.24	
24-28-b-07	Providing and installing PVC sockets BSS Class 'C' working pressure: 12" i/d	Each	516.80	3,770.18	Each	516.80	3,770.18	24.3.5.4 , 24.3.6.24	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-28-c-01	Providing and installing PVC sockets BSS Class 'D' working pressure : 2" i/d	Each	115.30	184.54	Each	115.30	184.54	24.3.5.4 , 24.3.6.24	
24-28-c-02	Providing and installing PVC sockets BSS Class 'D' working pressure : 3" i/d	Each	120.65	230.19	Each	120.65	230.19	24.3.5.4 , 24.3.6.24	
24-28-c-03	Providing and installing PVC sockets BSS Class 'D' working pressure : 4" i/d	Each	172.27	312.04	Each	172.27	312.04	24.3.5.4 , 24.3.6.24	
24-28-c-04	Providing and installing PVC sockets BSS Class 'D' working pressure : 6" i/d	Each	241.17	750.76	Each	241.17	750.76	24.3.5.4 , 24.3.6.24	
24-28-c-05	Providing and installing PVC sockets BSS Class 'D' working pressure : 8" i/d	Each	344.53	1,781.28	Each	344.53	1,781.28	24.3.5.4 , 24.3.6.24	
24-28-c-06	Providing and installing PVC sockets BSS Class 'D' working pressure : 10" i/d	Each	430.60	2,993.87	Each	430.60	2,993.88	24.3.5.4 , 24.3.6.24	
24-28-c-07	Providing and installing PVC sockets BSS Class 'D' working pressure : 12" i/d	Each	516.80	4,098.81	Each	516.80	4,098.81	24.3.5.4 , 24.3.6.24	
24-29-a-01	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 2" i/d	Each	236.12	389.26	Each	236.12	389.26	24.3.5.4 , 24.3.6.24	
24-29-a-02	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 3" i/d	Each	258.46	471.41	Each	258.46	471.41	24.3.5.4 , 24.3.6.24	
24-29-a-03	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 4" i/d	Each	344.53	622.55	Each	344.53	622.55	24.3.5.4 , 24.3.6.24	
24-29-a-04	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 6" i/d	Each	499.51	683.54	Each	499.51	683.54	24.3.5.4 , 24.3.6.24	
24-29-a-05	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 8" i/d	Each	689.06	1,004.54	Each	689.06	1,004.54	24.3.5.4 , 24.3.6.24	
24-29-a-06	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 10" i/d	Each	861.33	1,387.13	Each	861.33	1,387.13	24.3.5.4 , 24.3.6.24	
24-29-a-07	Providing and installing PVC Tapered core BSS Class 'B' working pressure : 12" i/d	Each	1,018.89	1,597.27	Each	1,018.89	1,597.27	24.3.5.4 , 24.3.6.24	
24-29-b-01	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 2" i/d	Each	236.12	341.28	Each	236.12	341.28	24.3.5.4 , 24.3.6.24	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-29-b-02	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 3" i/d	Each	258.46	383.34	Each	258.46	383.34	24.3.5.4 , 24.3.6.24	
24-29-b-03	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 4" i/d	Each	344.53	495.70	Each	344.53	495.70	24.3.5.4 , 24.3.6.24	
24-29-b-04	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 6" i/d	Each	500.28	697.45	Each	500.28	697.45	24.3.5.4 , 24.3.6.24	
24-29-b-05	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 8" i/d	Each	689.06	1,017.69	Each	689.06	1,017.69	24.3.5.4 , 24.3.6.24	
24-29-b-06	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 10" i/d	Each	861.33	1,413.42	Each	861.33	1,413.42	24.3.5.4 , 24.3.6.24	
24-29-b-07	Providing and installing PVC Tapered core BSS Class 'C' working pressure : 12" i/d	Each	1,035.80	1,693.05	Each	1,035.80	1,693.05	24.3.5.4 , 24.3.6.24	
24-29-c-01	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 2" i/d	Each	236.12	334.71	Each	236.12	334.71	24.3.5.4 , 24.3.6.24	
24-29-c-02	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 3" i/d	Each	258.46	376.77	Each	258.46	376.77	24.3.5.4 , 24.3.6.24	
24-29-c-03	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 4" i/d	Each	344.53	528.56	Each	344.53	528.56	24.3.5.4 , 24.3.6.24	
24-29-c-04	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 6" i/d	Each	499.51	762.41	Each	499.51	762.41	24.3.5.4 , 24.3.6.24	
24-29-c-05	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 8" i/d	Each	689.06	1,135.99	Each	689.06	1,135.99	24.3.5.4 , 24.3.6.24	
24-29-c-06	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 10" i/d	Each	861.33	1,676.32	Each	861.33	1,676.32	24.3.5.4 , 24.3.6.24	
24-29-c-07	Providing and installing PVC Tapered core BSS Class 'D' working pressure : 12" i/d	Each	1,033.59	1,973.46	Each	1,033.59	1,973.46	24.3.5.4 , 24.3.6.24	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-a-01	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (40 mm dia) PN-8	Rft	41.97	77.71	m	137.69	254.96	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-02	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (50 mm dia) PN-8	Rft	41.97	95.83	m	137.69	314.41	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-03	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (63 mm dia) PN-8	Rft	41.97	120.00	m	137.69	393.71	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-04	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (75 mm dia) PN-8	Rft	41.34	159.43	m	135.64	523.08	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-05	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (90 mm dia) PN-8	Rft	41.34	209.87	m	135.64	688.54	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-06	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (110 mm dia) PN-8	Rft	48.88	302.82	m	160.36	993.50	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-07	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (160 mm dia) PN-8	Rft	52.37	589.07	m	171.81	1,932.65	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-08	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (200 mm dia) PN-8	Rft	55.13	878.52	m	180.86	2,882.27	24.3.4, 24.3.5.4 , 24.3.6.24	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-a-09	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (250 mm dia) PN-8	Rft	55.13	1,346.88	m	180.86	4,418.89	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-a-10	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (300 mm dia) PN-8	Rft	57.88	2,434.50	m	189.90	7,987.21	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-01	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (20mm dia) PN-10	Rft	30.87	48.95	m	101.28	160.61	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-02	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (25mm dia) PN-10	Rft	31.35	46.56	m	102.85	152.75	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-03	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (32 mm dia) PN-10	Rft	31.35	57.11	m	102.85	187.37	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-04	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (40 mm dia) PN-10	Rft	41.97	80.38	m	137.69	263.73	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-05	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE)Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (50 mm dia) PN-10	Rft	41.97	100.52	m	137.69	329.78	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-06	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (63 mm dia) PN-10	Rft	41.97	136.02	m	137.69	446.27	24.3.4, 24.3.5.4 , 24.3.6.24	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-b-07	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (75 mm dia) PN-10	Rft	41.97	174.04	m	137.69	571.00	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-08	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (90 mm dia) PN-10	Rft	41.97	233.19	m	137.69	765.04	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-09	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (110 mm dia) PN-10	Rft	48.88	331.48	m	160.36	1,087.53	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-10	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (160 mm dia) PN-10	Rft	52.37	645.21	m	171.81	2,116.83	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-11	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (200 mm dia) PN-10	Rft	55.13	979.81	m	180.86	3,214.58	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-12	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (250 mm dia) PN-10	Rft	55.13	1,637.82	m	180.86	5,373.42	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-b-13	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (300 mm dia) PN-10	Rft	57.88	3,693.51	m	189.90	12,117.80	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-01	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (20mm dia) PN-12.5	Rft	31.35	43.76	m	102.85	143.58	24.3.4, 24.3.5.4 , 24.3.6.24	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-c-02	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (25mm dia) PN-12.5	Rft	31.35	48.18	m	102.85	158.06	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-03	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (32 mm dia) PN-12.5	Rft	31.35	61.93	m	102.85	203.19	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-04	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (40 mm dia) PN-12.5	Rft	41.97	88.77	m	137.69	291.25	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-05	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (50 mm dia) PN-12.5	Rft	41.97	113.54	m	137.69	372.51	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-06	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (63 mm dia) PN-12.5	Rft	41.97	155.44	m	137.69	509.96	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-07	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (75 mm dia) PN-12.5	Rft	41.97	202.85	m	137.69	665.52	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-08	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (90 mm dia) PN-12.5	Rft	41.97	272.72	m	137.69	894.75	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-09	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (110 mm dia) PN-12.5	Rft	48.88	390.34	m	160.36	1,280.63	24.3.4, 24.3.5.4 , 24.3.6.24	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-c-10	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (160 mm dia) PN-12.5	Rft	52.37	847.20	m	171.81	2,779.53	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-11	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (200 mm dia) PN-12.5	Rft	55.13	1,288.69	m	180.86	4,227.99	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-12	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (250 mm dia) PN-12.5	Rft	55.13	1,990.49	m	180.86	6,530.47	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-c-13	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (300 mm dia) PN-12.5	Rft	57.88	4,389.04	m	189.90	14,399.73	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-01	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (20mm dia) PN-16	Rft	31.35	46.52	m	102.85	152.63	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-02	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (25mm dia) PN-16	Rft	31.35	53.92	m	102.85	176.89	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-03	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (32 mm dia) PN-16	Rft	31.35	67.25	m	102.85	220.64	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-04	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (40 mm dia) PN-16	Rft	41.97	97.58	m	137.69	320.16	24.3.4, 24.3.5.4 , 24.3.6.24	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-d-05	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (50 mm dia) PN-16	Rft	41.97	129.05	m	137.69	423.40	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-06	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (63 mm dia) PN-16	Rft	41.97	179.11	m	137.69	587.64	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-07	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (75 mm dia) PN-16	Rft	41.97	234.03	m	137.69	767.82	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-08	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (90 mm dia) PN-16	Rft	41.97	318.21	m	137.69	1,043.98	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-09	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (110 mm dia) PN-16	Rft	48.88	459.98	m	160.36	1,509.13	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-10	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (160 mm dia) PN-16	Rft	52.37	1,015.73	m	171.81	3,332.43	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-11	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (200 mm dia) PN-16	Rft	55.13	1,559.02	m	180.86	5,114.91	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-d-12	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (250 mm dia) PN-16	Rft	55.13	2,401.80	m	180.86	7,879.94	24.3.4, 24.3.5.4 , 24.3.6.24	



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-d-13	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation. (300 mm dia) PN-16	Rft	55.13	5,546.31	m	180.86	18,196.56	24.3.4, 24.3.5.4 , 24.3.6.24	
24-30-e-01	Providing and installing HDPE Socket 20mm dia	Each	82.69	177.99	Each	82.69	177.99	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-02	Providing and installing HDPE Socket 25mm dia	Each	82.69	229.67	Each	82.69	229.67	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-03	Providing and installing HDPE Socket 32mm dia	Each	82.69	292.71	Each	82.69	292.71	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-04	Providing and installing HDPE Socket 40mm dia	Each	115.30	518.91	Each	115.30	518.91	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-05	Providing and installing HDPE Socket 50mm dia	Each	661.04	1,322.17	Each	661.04	1,322.17	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-06	Providing and installing HDPE Socket 63mm dia	Each	661.04	1,796.29	Each	661.04	1,796.29	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-07	Providing and installing HDPE Socket 75mm dia	Each	120.65	1,678.63	Each	120.65	1,678.63	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-e-08	Providing and installing HDPE Socket 90mm dia	Each	120.65	2,596.69	Each	120.65	2,596.69	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-09	Providing and installing HDPE Socket 110mm dia	Each	172.27	5,845.23	Each	172.27	5,845.23	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-10	Providing and installing HDPE Socket 160mm dia	Each	172.27	6,147.27	Each	172.27	6,147.27	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-11	Providing and installing HDPE Socket 200mm dia	Each	172.27	7,342.27	Each	172.27	7,342.27	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-12	Providing and installing HDPE Socket 250mm dia	Each	172.27	8,537.27	Each	172.27	8,537.27	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-e-13	Providing and installing HDPE Socket 300mm dia	Each	172.27	9,732.27	Each	172.27	9,732.27	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-f-01	Providing and installing HDPE Tee 20mm dia	Each	275.63	465.39	Each	275.63	465.39	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	
24-30-f-02	Providing and installing HDPE Tee 25mm dia	Each	275.63	560.99	Each	275.63	560.99	24.3.4, 24.3.5.4, 24.3.6.18 , 24.3.6.24	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-f-03	Providing and installing HDPE Tee 32mm dia	Each	275.63	631.02	Each	275.63	631.02	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-04	Providing and installing HDPE Tee 40mm dia	Each	344.53	1,015.88	Each	344.53	1,015.88	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-05	Providing and installing HDPE Tee 50mm dia	Each	344.53	1,525.49	Each	344.53	1,525.49	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-06	Providing and installing HDPE Tee 63mm dia	Each	344.53	2,137.03	Each	344.53	2,137.03	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-07	Providing and installing HDPE Tee 75mm dia	Each	413.44	2,952.81	Each	413.44	2,952.81	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-08	Providing and installing HDPE Tee 90mm dia	Each	413.44	2,992.25	Each	413.44	2,992.25	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-09	Providing and installing HDPE Tee 110mm dia	Each	551.25	4,676.39	Each	551.25	4,676.39	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-10	Providing and installing HDPE Tee 160mm dia	Each	551.25	10,861.71	Each	551.25	10,861.71	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-f-11	Providing and installing HDPE Tee 200mm dia	Each	551.25	18,079.51	Each	551.25	18,079.51	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-12	Providing and installing HDPE Tee 250mm dia	Each	551.25	32,772.04	Each	551.25	32,772.04	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-f-13	Providing and installing HDPE Tee 300mm dia	Each	551.25	52,103.55	Each	551.25	52,103.55	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-01	Providing and installing HDPE bend 20mm dia	Each	184.67	284.45	Each	184.67	284.45	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-02	Providing and installing HDPE bend 25mm dia	Each	184.67	347.19	Each	184.67	347.19	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-03	Providing and installing HDPE bend 32mm dia	Each	184.67	409.03	Each	184.67	409.03	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-04	Providing and installing HDPE bend 40mm dia	Each	236.12	618.52	Each	236.12	618.52	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-05	Providing and installing HDPE bend 50mm dia	Each	236.12	973.14	Each	236.12	973.14	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	



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Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-g-06	Providing and installing HDPE bend 63mm dia	Each	236.12	1,376.75	Each	236.12	1,376.75	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-07	Providing and installing HDPE bend 75mm dia	Each	258.46	2,023.18	Each	258.46	2,023.18	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-08	Providing and installing HDPE bend 90mm dia	Each	258.46	2,062.91	Each	258.46	2,062.91	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-09	Providing and installing HDPE bend 110mm dia	Each	344.53	3,437.19	Each	344.53	3,437.19	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-10	Providing and installing HDPE bend 160mm dia	Each	344.53	10,141.14	Each	344.53	10,141.14	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-11	Providing and installing HDPE bend 200mm dia	Each	344.53	15,811.42	Each	344.53	15,811.42	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-12	Providing and installing HDPE bend 250mm dia	Each	344.53	23,029.22	Each	344.53	23,029.22	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-g-13	Providing and installing HDPE bend 300mm dia	Each	344.53	43,132.70	Each	344.53	43,132.70	24.3.4, 24.3.5.4, 24.3.6.18 ,	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-h-01	Providing and installing HDPE adaptor 20mm	Each	96.47	192.46	Each	96.47	192.46	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-02	Providing and installing HDPE adaptor 25mm	Each	96.47	224.33	Each	96.47	224.33	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-03	Providing and installing HDPE adaptor 32mm	Each	96.47	301.41	Each	96.47	301.41	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-04	Providing and installing HDPE adaptor 40mm	Each	115.30	463.65	Each	115.30	463.65	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-05	Providing and installing HDPE adaptor 50mm	Each	115.30	614.51	Each	115.30	614.51	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-06	Providing and installing HDPE adaptor 63mm	Each	115.30	941.85	Each	115.30	941.85	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-07	Providing and installing HDPE adaptor 75mm	Each	120.65	1,274.42	Each	120.65	1,274.42	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-08	Providing and installing HDPE adaptor 90mm	Each	120.65	1,996.80	Each	120.65	1,996.80	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-30-h-09	Providing and installing HDPE adaptor 110mm	Each	172.27	3,719.03	Each	172.27	3,719.03	24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-10	Providing and installing HDPE adaptor 160mm	Each	172.27	3,757.27	Each	172.27	3,757.27	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-11	Providing and installing HDPE adaptor 200mm	Each	172.27	4,952.27	Each	172.27	4,952.27	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-12	Providing and installing HDPE adaptor 250mm	Each	172.27	6,147.27	Each	172.27	6,147.27	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-30-h-13	Providing and installing HDPE adaptor 300mm	Each	172.27	7,342.27	Each	172.27	7,342.27	24.3.6.24 24.3.4, 24.3.5.4, 24.3.6.18 ,	
24-31-a	S/H/J G.I. Flanged Pipe 18" i/d 6.35mm thick	Rft	1,512.63	6,681.00	m	4,962.70	21,919.31	24.3.5.3 , 24.3.6.22	
24-31-b	S/H/J G.I. Flanged Pipe 16" i/d 6.35mm thick	Rft	616.26	5,139.34	m	2,021.85	16,861.34	24.3.5.3 , 24.3.6.22	
24-31-c	S/H/J G.I. Flanged Pipe 12" i/d 6.35mm thick	Rft	756.31	4,179.99	m	2,481.35	13,713.88	24.3.5.3 , 24.3.6.22	
24-31-d	S/H/J G.I. Flanged Pipe 10" i/d 6.35mm thick	Rft	630.28	3,538.11	m	2,067.85	11,607.97	24.3.5.3 , 24.3.6.22	
24-31-e	S/H/J G.I. Flanged Pipe 8" i/d 5 mm thick	Rft	504.12	2,335.46	m	1,653.93	7,662.26	24.3.5.3 , 24.3.6.22	
24-31-f	S/H/J G.I. Flanged Pipe 6" i/d 5 mm thick	Rft	378.16	1,713.57	m	1,240.67	5,621.95	24.3.5.3 , 24.3.6.22	
24-31-g	S/H/J G.I. Flanged Pipe 4" i/d 5 mm thick	Rft	252.12	1,118.50	m	827.18	3,669.61	24.3.5.3 , 24.3.6.22	
24-32-a	S/H/J MS Flanged Pipe 18" i/d 6.35 mm thick	Rft	1,260.43	7,534.18	m	4,135.28	24,718.45	24.3.6.23	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-32-b	S/H/J MS Flanged Pipe 16" i/d 6.35 mm thick	Rft	840.38	5,261.88	m	2,757.15	17,263.39	24.3.6.23	
24-32-c	S/H/J MS Flanged Pipe 12" i/d 6.35mm	Rft	630.28	3,856.78	m	2,067.85	12,653.48	24.3.6.23	
24-32-d	S/H/J MS Flanged Pipe 10" i/d 6.35mm thick	Rft	504.12	3,192.87	m	1,653.93	10,475.29	24.3.6.23	
24-32-e	S/H/J MS Flanged Pipe 8" i/d 5mm thick	Rft	420.13	2,571.13	m	1,378.37	8,435.45	24.3.6.23	
24-32-f	S/H/J MS Flanged Pipe 6" i/d 5mm thick	Rft	336.06	1,889.56	m	1,102.56	6,199.34	24.3.6.23	
24-32-g	S/H/J MS Flanged Pipe 4" i/d 5mm thick	Rft	210.03	1,285.53	m	689.06	4,217.60	24.3.6.23	
24-33-a	Supplying and Fixing MS manhole cover of 0.25" thick sheet & angle iron frame 2'x2'x0.25" with lock complete	Each	104.24	791.56	Each	104.24	791.56		
24-33-b	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 12" (300 mm) dia.	Each	73.50	1,784.74	Each	73.50	1,784.74		
24-33-c	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 18" (450 mm) dia.	Each	73.50	3,145.84	Each	73.50	3,145.84		
24-33-d	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" (600 mm) dia.	Each	102.90	3,838.47	Each	102.90	3,838.47		
24-34	Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint compl	Rft	57.66	772.57	m	189.18	2,534.67		
24-35	Supplying and Fixing C.I. vent pipe for storage tanks including jally etc	Rft	4.13	504.84	m	13.56	1,656.30	24.3.5.1, 24.3.2.19	
24-36-a	Supplying and Fixing MS cap of 3/8" thick sheet : 10" i/d	Each	25.73	3,004.26	Each	25.73	3,004.26	24.3.6.17 24.3.6.23	
24-36-b	Supplying and Fixing MS cap of 3/8" thick sheet : 8" i/d	Each	25.73	1,450.76	Each	25.73	1,450.76	24.3.6.23	
24-36-c	Supplying and Fixing MS cap of 3/8" thick sheet : 6" i/d	Each	25.73	985.01	Each	25.73	985.01	24.3.6.23	
24-36-d	Supplying and Fixing MS cap of 3/8" thick sheet : 4" i/d	Each	25.73	564.97	Each	25.73	564.97	24.3.6.23	
24-37-a	Providing and fixing MS Flanges 3" dia (3/8" Thick)	Pair	88.20	446.70	Pair	88.20	446.70	24.3.5.3 , 24.3.6.23	
24-37-b	Providing and fixing MS Flanges 4" dia (3/8" Thick)	Pair	117.60	535.85	Pair	117.60	535.85	24.3.5.3 , 24.3.6.23	
24-37-c	Providing and fixing MS Flanges 6" dia (3/8" Thick)	Pair	147.00	744.50	Pair	147.00	744.50	24.3.5.3 , 24.3.6.23	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-37-d	Providing and fixing MS Flanges 8" dia (3/8"Thick)	Pair	183.75	960.50	Pair	183.75	960.50	24.3.5.3 , 24.3.6.23	
24-37-e	Providing and fixing MS Flanges 10" dia (3/8"Thick)	Pair	294.00	1,429.25	Pair	294.00	1,429.25	24.3.5.3 , 24.3.6.23	
24-38-a	Supplying and Fixing Flanged Expansion Joints BSS 2035: 18" i/d	Each	1,488.38	79,163.38	Each	1,488.38	79,163.38	24.3.6.2	
24-38-b	Supplying and Fixing Flanged Expansion Joints BSS 2035: 16" i/d	Each	1,488.38	61,238.38	Each	1,488.38	61,238.38	24.3.6.2	
24-38-c	Supplying and Fixing Flanged Expansion Joints BSS 2035: 12" i/d	Each	1,488.38	32,558.38	Each	1,488.38	32,558.38	24.3.6.2	
24-38-d	Supplying and Fixing Flanged Expansion Joints BSS 2035: 10" i/d	Each	1,488.38	20,010.88	Each	1,488.38	20,010.88	24.3.6.2	
24-38-e	Supplying and Fixing Flanged Expansion Joints BSS 2035: 8" i/d	Each	1,120.88	15,460.88	Each	1,120.88	15,460.88	24.3.6.2	
24-38-f	Supplying and Fixing Flanged Expansion Joints BSS 2035: 6" i/d	Each	1,120.88	10,680.88	Each	1,120.88	10,680.88	24.3.6.2	
24-38-g	Supplying and Fixing Flanged Expansion Joints BSS 2035: 4" i/d	Each	845.25	9,210.25	Each	845.25	9,210.25	24.3.6.2	
24-39-a	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 18" i/d	Each	2,205.00	5,252.25	Each	2,205.00	5,252.25	24.3.6.13. 2, 24.3.6.14 ,	
24-39-b	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 16" i/d	Each	2,205.00	4,430.69	Each	2,205.00	4,430.69	24.3.6.13. 2, 24.3.6.14 ,	
24-39-c	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 12" i/d	Each	1,378.13	2,871.88	Each	1,378.13	2,871.88	24.3.6.13. 2, 24.3.6.14 ,	
24-39-d	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 10" i/d	Each	826.88	2,045.78	Each	826.88	2,045.78	24.3.6.13. 2, 24.3.6.14 ,	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-39-e	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 8" i/d	Each	551.25	1,552.06	Each	551.25	1,552.06	24.3.6.13. 2, 24.3.6.14 ,	
24-39-f	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 6" i/d	Each	413.44	1,249.94	Each	413.44	1,249.94	24.3.6.13. 2, 24.3.6.14 ,	
24-39-g	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 4" i/d	Each	275.63	574.38	Each	275.63	574.38	24.3.6.13. 2, 24.3.6.14 ,	
24-40	Supplying and Fixing PVC Water Stopper 8" wide 3/8" thick. Providing and fixing PVC water stopper 8" wide 3/8" thick in verticle (Wall/Column) or horizontal (Floor/Slab) expansion joint including cutting and jointing complete in all respects.	Rft	16.81	166.19	m	55.16	545.24	24.3.6.15	
24-41	Conducting Elec: Resistivity survey of the area and furnishing its reports.	No	1,837.50	31,294.25	No	1,837.50	31,294.25		
24-42	Logging of bore hole with electrical equipment and furnishing reports.	Job	2,205.00	22,520.00	Job	2,205.00	22,520.00		
24-43	Providing and lowering pezu meter 1.25" GI pipe including all accessories.	Rft	90.94	255.85	m	298.35	839.40	24.3.5.3 , 24.3.6.22	
24-44	P&L Reflux valves (C.I) of BSS quality/weight including jointing material 3" i/d-6" i/d.	Each	765.68	4,305.87	Each	765.68	4,305.87	24.3.5.6.6	
24-45-a	Laying cut, joint, test & disinfect of 8"i/d of GI pipe line including cost of welding, excavation and filling compaction etc complete.	Joint	298.10	1,624.55	Joint	298.10	1,624.55	24.3.5.3 , 24.3.6.22	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-45-b	Laying cut, joint, test & disinfect of 6"/d of GI pipe line including cost of welding, excavation and filling compaction etc complete.	Joint	298.10	1,537.08	Joint	298.10	1,537.08	24.3.5.3 , 24.3.6.22	
24-45-c	Laying cut, joint, test & disinfect of 4"/d of GI pipe line including cost of welding, excavation and filling compaction etc complete.	Joint	298.10	986.42	Joint	298.10	986.42	24.3.5.3 , 24.3.6.22	
24-45-d	Laying cut, joint, test & disinfect of 3"/d of GI pipe line including cost of welding, excavation and filling compaction etc complete.	Joint	298.10	784.23	Joint	298.10	784.23	24.3.5.3 , 24.3.6.22	
24-45-e	Laying cut, joint, test & disinfect of 2-1/2"/d of GI pipe line including cost of welding, excavation and filling compaction etc complete.	Joint	298.10	728.30	Joint	298.10	728.30	24.3.5.3 , 24.3.6.22	
24-46	Testing of soil for bearing capacity & chemical contents upto any depth.	Rft	896.33	5,314.85	m	2,940.72	17,437.16		
24-47-a	Supply and Fixing Affridev type hand pump with all accessories except riser pipe.	Each	826.88	21,141.88	Each	826.88	21,141.88		
24-47-b	Supply and Fixing a simple hand pump (Single handle) upto 80 Feet	Each	826.88	10,386.88	Each	826.88	10,386.88		
24-48-a	Supply and installation of manually controlled voltage regulator oil cooled with 99.9% copper winding, and independed control regulator on each phase 20-30 KVA	Each	1,470.00	95,845.13	Each	1,470.00	95,845.13		
24-48-b	Supply and installation of manually controlled voltage regulator oil cooled with 99.9% copper winding, and independed control regulator on each phase 35-50 KVA	Each	1,470.00	168,510.09	Each	1,470.00	168,510.09		
24-48-c	Supply and installation of manually controlled voltage regulator oil cooled with 99.9% copper winding, and independed control regulator on each phase 60-100 KVA	Each	1,470.00	364,451.25	Each	1,470.00	364,451.31		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-48-d	Supply and installation of three phase automatic voltage stabilizers having output volatage of 400 volts ±5%, three phase 99.9% copper wound with protective devices 20-30 KV A	Each	1,470.00	139,402.88	Each	1,470.00	139,402.91		
24-48-e	Supply and installation of three phase automatic voltage stabilizers having output volatage of 400 volts ±5%, three phase 99.9% copper wound with protective devices 35-50 KVA	Each	1,470.00	313,762.34	Each	1,470.00	313,762.31		
24-48-f	Supply and installation of three phase automatic voltage stabilizers having output volatage of 400 volts ±5%, three phase 99.9% copper equipped with protective devices 60-100 KV A	Each	1,470.00	509,643.75	Each	1,470.00	509,643.81		
24-49-a	Providing and Fixing Brass peet / gate valve 1" dia	Each	73.50	1,025.52	Each	73.50	1,025.52	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-49-b	Providing and Fixing Brass peet / gate valve 1.25" dia	Each	117.60	1,722.88	Each	117.60	1,722.88	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-49-c	Providing and Fixing Brass peet / gate valve 1.5" dia	Each	117.60	2,069.43	Each	117.60	2,069.43	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-49-d	Providing and Fixing Brass peet / gate valve 2" dia	Each	117.60	3,061.28	Each	117.60	3,061.28	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-49-e	Providing and Fixing Brass peet / gate valve 2.5" dia	Each	117.60	4,099.73	Each	117.60	4,099.73	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-49-f	Providing and Fixing Brass peet / gate valve 3" dia	Each	117.60	7,149.78	Each	117.60	7,149.78	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-49-g	Providing and Fixing Brass peet / gate valve 4" dia	Each	117.60	13,075.38	Each	117.60	13,075.38	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-50-a-01	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 10 HP,	Each	2,205.00	327,088.47	Each	2,205.00	327,088.50		
24-50-a-02	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 15 HP	Each	4,410.00	408,852.97	Each	4,410.00	408,853.00		
24-50-a-03	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 25 HP	Each	4,410.00	454,872.41	Each	4,410.00	454,872.41		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-50-a-04	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 30 HP	Each	4,410.00	495,618.34	Each	4,410.00	495,618.31		
24-50-a-05	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 40 HP	Each	4,410.00	688,515.25	Each	4,410.00	688,515.31		
24-50-a-06	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 50 HP	Each	4,410.00	753,959.44	Each	4,410.00	753,959.38		
24-50-a-07	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 80 HP	Each	3,920.00	1,127,220.00	Each	3,920.00	1,127,220.0		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-50-a-08	Supply & Installation, testing and commissioning of Submersible Pump (ISO – 9906 Certified) Coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 20 HP	Each	3,920.00	431,730.00	each	3,920.00	431,730.00		
24-50-b-01	Supply & Installation, testing and commissioning of Centrifugal Pump (ISO – 9906 Certified) Coupled with rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) and top set Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 80 HP	Each	4,410.00	1,199,410.00	Each	4,410.00	1,199,410.00		
24-50-b-02	Supply & Installation, testing and commissioning of Centrifugal Pump (ISO – 9906 Certified) Coupled with rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) and top set Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 50 HP	Each	3,969.00	374,419.00	Each	3,969.00	374,419.00		
24-50-b-03	Supply & Installation, testing and commissioning of Centrifugal Pump (ISO – 9906 Certified) Coupled with rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) and top set Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 40 HP	Each	3,528.00	304,668.00	Each	3,528.00	304,668.00		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-50-b-04	Supply & Installation, testing and commissioning of Centrifugal Pump (ISO – 9906 Certified) Coupled with rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) and top set Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 30 HP	Each	3,307.50	250,672.50	Each	3,307.50	250,672.50		
24-50-b-05	Supply & Installation, testing and commissioning of Centrifugal Pump (ISO – 9906 Certified) Coupled with rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) and top set Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable with appropriate Head and Discharge : 25 HP	Each	3,307.50	221,992.50	Each	3,307.50	221,992.50		
24-50-c-01	Supply and installation of Submersible Flat Cable made of 99.9% copper, coated with double PVC as per BSS Standards, 3x10 mm ²	Meter	98.00	635.75	Meter	98.00	635.75		
24-50-c-02	Supply and installation of Submersible Flat Cable made of 99.9% copper, coated with double PVC as per BSS Standards, 3x16 mm ²	Meter	98.00	874.75	Meter	98.00	874.75		
24-50-c-03	Supply and installation of Submersible Flat Cable made of 99.9% copper, coated with double PVC as per BSS Standards, 3x25 mm ²	Meter	98.00	1,591.75	Meter	98.00	1,591.75		
24-50-c-04	Supply and installation of Submersible Flat Cable made of 99.9% copper, coated with double PVC as per BSS Standards, 3x35 mm ²	Meter	98.00	1,830.75	Meter	98.00	1,830.75		
24-50-c-05	Supply and installation of Submersible Flat Cable made of 99.9% copper, coated with double PVC as per BSS Standards, 3x6 mm ²	meter	98.00	492.35	meter	98.00	492.35		
24-51-a	Repair of C.I sluice valve/ reflux valve i/c packing sheet, nuts, bolts, spindle etc: complete of the following size. a) 3" (75 mm) dia of Valve	Each	909.56	909.56	Each	909.56	909.56	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-51-b	Repair of C.I sluice valve/ reflux valve i/c packing sheet, nuts, bolts, spindle etc: complete of the following size. a) 4" (100 mm) dia of Valve	Each	1,061.16	1,061.16	Each	1,061.16	1,061.16	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-51-c	Repair of C.I sluice valve/ reflux valve i/c packing sheet, nuts, bolts, spindle etc: complete of the following size. a) 6" (150 mm) dia of Valve	Each	1,212.75	1,212.75	Each	1,212.75	1,212.75	24.3.5.5.2 , 24.3.5.5.4 , 24.3.6.18	
24-52-a	Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. a) 6" (150 mm) dia of Valve	Each	1,451.63	1,720.18	Each	1,451.63	1,720.18	24.3.6.25 , 24.3.6.26	
24-52-b	Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. a) 4" (100 mm) dia of Valve	Each	1,451.63	1,664.72	Each	1,451.63	1,664.72	24.3.6.25 , 24.3.6.26	
24-52-c	Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. a) 3" (75 mm) dia of Valve	Each	1,231.13	1,444.22	Each	1,231.13	1,444.22	24.3.6.25 , 24.3.6.26	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-52-d	Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. a) 2" (50 mm) dia of Valve	Each	1,231.13	1,388.76	Each	1,231.13	1,388.76	24.3.6.25 24.3.6.26	
24-53-a	Replacement of existing/ GM Peet valve including cost of Union, Nipple, Sockets etc : 1" dia	Each	220.50	1,667.01	Each	220.50	1,667.01	24.3.5.5.6	
24-53-b	Replacement of existing/ GM Peet valve including cost of Union, Nipple, Sockets etc : 1.25" dia	Each	220.50	2,529.44	Each	220.50	2,529.44	24.3.5.5.6	
24-53-c	Replacement of existing/ GM Peet valve including cost of Union, Nipple, Sockets etc : 1.5" dia	Each	220.50	3,105.29	Each	220.50	3,105.29	24.3.5.5.6	
24-53-d	Replacement of existing/ GM Peet valve including cost of Union, Nipple, Sockets etc : 2" dia	Each	330.75	4,665.22	Each	330.75	4,665.22	24.3.5.5.6	
24-53-e	Replacement of existing/ GM Peet valve including cost of Union, Nipple, Sockets etc : 2.5" dia	Each	330.75	7,099.91	Each	330.75	7,099.91	24.3.5.5.6	
24-54-a	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 1" (25 mm) Nominal Pipe Size (NPS)	Rft	12.86	133.23	m	42.20	437.10	24.3.5.3 , 24.3.6.22	
24-54-b	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 1¼" (32 mm) Nominal Pipe Size (NPS)	Rft	14.19	171.38	m	46.54	562.27	24.3.5.3 , 24.3.6.22	
24-54-c	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 1½" (40 mm) Nominal Pipe Size (NPS)	Rft	14.19	214.67	m	46.54	704.30	24.3.5.3 , 24.3.6.22	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-54-d	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 2" (50 mm) Nominal Pipe Size (NPS)	Rft	14.63	354.11	m	47.99	1,161.78	24.3.5.3 , 24.3.6.22	
24-54-e	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 2½" (65 mm) Nominal Pipe Size (NPS)	Rft	14.92	450.16	m	48.95	1,476.90	24.3.5.3 , 24.3.6.22	
24-54-f	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 3" (75 mm) Nominal Pipe Size (NPS)	Rft	17.27	580.91	m	56.67	1,905.88	24.3.5.3 , 24.3.6.22	
24-54-g	Replacement of existing damaged rusted & choked G.I pipe with new GI pipes of EN 10255 - 2004 (Medium Approved Quality) including laying, cutting, jointing, testing and disinfecting with socket joint including specials and valves etc.Complete as per specifications 4" (100 mm) Nominal Pipe Size (NPS)	Rft	18.23	825.60	m	59.80	2,708.65	24.3.5.3 , 24.3.6.22	
24-55-a	Supply and Fixing MS Column pipe for Deep well Turbine (DWT) pumps for 4" (100 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	73.50	781.02	m	241.14	2,562.39	24.3.6.23	
24-55-b	Supply and Fixing MS Column pipe for Deep well Turbine (DWT) pumps for 6" (100 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	88.20	1,185.75	m	289.37	3,890.25	24.3.6.23	
24-55-c	Supply and Fixing MS Column pipe for Deep well Turbine (DWT) pumps for 2.5" (63 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	73.50	524.71	m	241.14	1,721.50	24.3.6.23	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-55-d	Supply and Fixing MS Column pipe for Deep well Turbine (DWT) pumps for 3" (75 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	73.50	610.08	m	241.14	2,001.57	24.3.6.23	
24-56-a	Supply and Fixing MS Column pipe with flanges for sub,erssible pump : 4" (100 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	73.50	884.43	m	241.14	2,901.66	24.3.6.23	
24-56-b	Supply and Fixing MS Column pipe with flanges for sub,erssible pump : 3" (75 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	73.50	713.78	m	241.14	2,341.80	24.3.6.23	
24-56-c	Supply and Fixing MS Column pipe with flanges for sub,erssible pump : 2.5" (63 mm) Nominal Pipe Size (NPS), 3/16" thick, 10' length	Rft	73.50	628.46	m	241.14	2,061.87	24.3.6.23	
24-57-a	Tubewell Development/yield test with pumping unit minimum 8 hours for tube wells more than 6" dia	Job	735.00	8,861.00	Job	735.00	8,861.00		
24-57-b	Tubewell Development/yield test with pumping unit minimum 8 hours for tube wells upto 6" dia	Job	735.00	28,160.25	Job	735.00	28,160.25		
24-58-a	Supply and installation of Column pipe for Bowl Assembly of ASTM53 standard material with stainless steel nut bolts/double galvanized and flanges thickness 20mm, with outside surface epoxy coated, 2.5" size	Rft	176.40	842.85	m	578.74	2,765.26		
24-58-b	Supply and installation of Column pipe for Bowl Assembly of ASTM53 standard material with stainless steel nut bolts/double galvanized and flanges thickness 20mm, with outside surface epoxy coated, 3" size	Rft	198.45	988.94	m	651.08	3,244.56		
24-58-c	Supply and installation of Column pipe for Bowl Assembly of ASTM53 standard material with stainless steel nut bolts/double galvanized and flanges thickness 20mm, with outside surface epoxy coated, 4" size	Rft	220.50	1,327.19	m	723.43	4,354.29		
24-58-d	Supply and installation of Column pipe for Bowl Assembly of ASTM53 standard material with stainless steel nut bolts/double galvanized and flanges thickness 20mm, with outside surface epoxy coated, 5" size	Rft	275.63	1,775.05	m	904.28	5,823.66		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-59-a	Replacement of existing S.S sluice valve for high head lines i.e with pumping machinery and pumping main i/c required fitting (if necessary i/c flanges, packing sheet, bolts & Nuts etc a) 3" (75 mm) dia of Valve	Each	698.25	17,637.61	Each	698.25	17,637.61	24.3.5.5.2	
24-59-b	Replacement of existing S.S sluice valve for high head lines i.e with pumping machinery and pumping main i/c required fitting (if necessary i/c flanges, packing sheet, bolts & Nuts etc b) 4" (100 mm) dia of Valve	Each	698.25	21,005.12	Each	698.25	21,005.12	24.3.5.5.2	
24-59-c	Replacement of existing S.S sluice valve for high head lines i.e with pumping machinery and pumping main i/c required fitting (if necessary i/c flanges, packing sheet, bolts & Nuts etc c) 6" (150 mm) dia of Valve	Each	1,051.05	35,970.86	Each	1,051.05	35,970.86	24.3.5.5.2	
24-60-a	Replacement of existing C.I sluice valve for distribution net work AERO Type of required fittings if necessary i/c flanges, Packing sheet, bolts & Nuts etc complete. b) 2" (100 mm) dia of Valve	Each	698.25	11,423.61	Each	698.25	11,423.61	24.3.5.5.2	
24-60-b	Replacement of existing C.I sluice valve for distribution net work AERO Type of required fittings if necessary i/c flanges, Packing sheet, bolts & Nuts etc complete. b) 2.5" (100 mm) dia of Valve	Each	698.25	13,357.12	Each	698.25	13,357.12	24.3.5.5.2	
24-60-c	Replacement of existing C.I sluice valve for distribution net work AERO Type of required fittings if necessary i/c flanges, Packing sheet, bolts & Nuts etc complete. a) 3" (75 mm) dia of Valve	Each	698.25	17,637.61	Each	698.25	17,637.61	24.3.5.5.2	
24-60-d	Replacement of existing C.I sluice valve for distribution net work AERO Type of required fittings if necessary i/c flanges, Packing sheet, bolts & Nuts etc complete. b) 4" (100 mm) dia of Valve	Each	698.25	21,005.12	Each	698.25	21,005.12	24.3.5.5.2	
24-60-e	Replacement of existing C.I sluice valve for distribution net work AERO Type of required fittings if necessary i/c flanges, Packing sheet, bolts & Nuts etc complete. b) 5" (100 mm) dia of Valve	Each	1,051.05	30,473.86	Each	1,051.05	30,473.86	24.3.5.5.2	



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-60-f	Replacement of existing C.I sluice valve for distribution net work AERO Type of required fittings if necessary i/c flanges, Pakcing sheet, bolts & Nuts etc complete. c) 6" (150 mm) dia of Valve	Each	1,051.05	35,970.86	Each	1,051.05	35,970.86	24.3.5.5.2	
24-61-a	Providing and fixing of packing sheet for valves i/c nuts, bolts as required at site complete. c) 6" (150 mm) dia of Valve	Each	234.28	618.59	Each	234.28	618.59	24.3.5.5.2	
24-61-b	Providing and fixing of packing sheet for valves i/c nuts, bolts as required at site complete. c) 4" (100 mm) dia of Valve	Each	234.28	465.16	Each	234.28	465.16	24.3.5.5.2	
24-61-c	Providing and fixing of packing sheet for valves i/c nuts, bolts as required at site complete. a) 3" (75 mm) dia of Valve	Each	161.70	371.06	Each	161.70	371.06		
24-61-d	Providing and fixing of packing sheet for valves i/c nuts, bolts as required at site complete. a) 2-1/2" (63 mm) dia of Valve	Each	161.70	362.46	Each	161.70	362.46		
24-62	Cleaning of reservoirs in any capacity	Each	735.00	735.00	Each	735.00	735.00		
24-63	Water quality test Biological / Chemical / Physical paraMeter.	Job	0.00	0.00	Job	0.00	0.00		
24-64	Supply and Fixing of Man Hole cover made of Angle iron fram 2'x2' size.	Each	367.50	1,287.65	Each	367.50	1,287.65		
24-65-a	Supply and Fixing of thrust bearing for Submersible motor (a) (10-25) Hp	Each	367.50	11,720.00	Each	367.50	11,720.00		
24-65-b	Supply and Fixing of thrust bearing for Submersible motor (b) (30-50) Hp	Each	367.50	13,751.50	Each	367.50	13,751.50		
24-66	Supply and Fixing of Guide bearing for Electric motors	Each	367.50	1,144.25	Each	367.50	1,144.25		
24-67	Supply and Fixing of Stainless steel Top rod for Electric motors.	Each	367.50	2,249.63	Each	367.50	2,249.63		
24-68	Supply and Fixing Carbon bush (Submercible)	Each	367.50	905.25	Each	367.50	905.25		
24-69-a	Supply and Fixing Rubber Bearing for Column shaft 2.5"	Each	367.50	1,323.50	Each	367.50	1,323.50		
24-69-b	Supply and Fixing Rubber Bearing for Column shaft 4"	Each	367.50	1,562.50	Each	367.50	1,562.50		
24-69-c	Supply and Fixing Rubber Bearing for Column shaft 5"	Each	367.50	1,921.00	Each	367.50	1,921.00		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-70-a	Furnish and install of column pipe socket 4" dia.	Each	147.00	1,273.65	Each	147.00	1,273.65		
24-70-b	Furnish and install of column pipe socket 5" dia.	Each	147.00	1,996.62	Each	147.00	1,996.62		
24-71	Extraction of Turbine/submersible pump & lowering/ Installation of the same after necessary rapair.	Job	8,820.00	8,820.00	Job	8,820.00	8,820.00		
24-72-a	Providing and fixing G.I Flanges 3" dia (5/8"Thick)	Pair	88.20	888.85	Pair	88.20	888.85	24.3.5.3 , 24.3.6.23	
24-72-b	Providing and fixing G.I Flanges 4" dia (5/8"Thick)	Pair	117.60	989.95	Pair	117.60	989.95	24.3.5.3 , 24.3.6.23	
24-72-c	Providing and fixing G.I Flanges 6" dia (5/8"Thick)	Pair	147.00	1,521.25	Pair	147.00	1,521.25	24.3.5.3 , 24.3.6.23	
24-72-d	Providing and fixing G.I Flanges 8" dia (5/8"Thick)	Pair	183.75	2,275.00	Pair	183.75	2,275.00	24.3.5.3 , 24.3.6.23	
24-72-e	Providing and fixing G.I Flanges 10" dia (5/8"Thick)	Pair	294.00	3,281.50	Pair	294.00	3,281.50	24.3.5.3 , 24.3.6.23	
24-73	Riser Pipe for hand Pump (2" dia PVC Pipes)	RFT	117.60	189.26	m	385.83	620.95		
24-74-a	Providing and laying R.C.C pipe moulded with cement concrete 1:1-1/2:3, Class-2, including carriage of pipe from factory to site of work, jointing, cutting pipe where necessary, finishing and testing, etc. for culverts complete:- 6" i/d	Rft	55.13	339.93	m	180.86	1,115.25		
24-74-b	Providing and laying R.C.C pipe moulded with cement concrete 1:1-1/2:3, Class-2, including carriage of pipe from factory to site of work, jointing, cutting pipe where necessary, finishing and testing, etc. for culverts complete:- 9" i/d wall thickness 1".	Rft	62.47	479.40	m	204.97	1,572.84		
24-74-c	Providing and laying R.C.C pipe moulded with cement concrete 1:1-1/2:3, Class-2, including carriage of pipe from factory to site of work, jointing, cutting pipe where necessary, finishing and testing, etc. for culverts complete:- 12" i/d, wall thickness 2".	Rft	64.68	539.69	m	212.20	1,770.64		
24-74-d	Providing and laying R.C.C pipe moulded with cement concrete 1:1-1/2:3, Class-2, including carriage of pipe from factory to site of work, jointing, cutting pipe where necessary, finishing and testing, etc. for culverts complete:- 18" i/d, wall thickness 2.2".	Rft	80.85	767.97	m	265.26	2,519.60		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-74-e	Providing and laying R.C.C pipe moulded with cement concrete 1:1-1/2:3, Class-2, including carriage of pipe from factory to site of work, jointing, cutting pipe where necessary, finishing and testing, etc. for culverts complete:- 24" i/d, wall thickness 3".	Rft	138.18	1,028.45	m	453.35	3,374.20		
24-75	Mobilization of plant for pressure pump / Hand Pump	Job	0.00	0.00	Job	0.00	0.00		
24-76-a	Providing and Fixing of Submerssible pump with motor for pressure pump 0.5 HP	Each	551.25	33,055.25	Each	551.25	33,055.25		
24-76-b	Providing and Fixing of Submerssible pump with motor for pressure pump 1 HP	Each	551.25	36,401.25	Each	551.25	36,401.25		
24-76-c	Providing and Fixing of Submerssible pump with motor for pressure pump 1.5 HP	Each	837.90	40,392.40	Each	837.90	40,392.40		
24-76-d	Providing and Fixing of Submerssible pump with motor for pressure pump 2 HP	Each	837.90	45,949.15	Each	837.90	45,949.15		
24-77-a	Steel Rope for pressure pump 3/8" dia	Rft	58.80	178.30	m	192.91	584.97		
24-77-b	Steel Rope for pressure pump 1/2" dia	Rft	91.88	253.20	m	301.43	830.71		
24-78-a	Steel rope for suspension bridge (Nallah Crossing) 3/4" dia	Rft	91.88	414.52	m	301.43	1,359.99		
24-78-b	Steel rope for suspension bridge (Nallah Crossing) 1" dia	Rft	147.00	684.75	m	482.28	2,246.56		
24-78-c	Steel rope for suspension bridge (Nallah Crossing) 1-1/4" dia	Rft	183.75	900.75	m	602.85	2,955.22		
24-79	Electric Resistivity Survey for tubewell construction complete in all respects (minimum 03 locations).	No	3,917.55	31,342.80	No	3,917.55	31,342.80		
24-80	Yield test by using air compressor in test bore.	Job	735.00	8,861.00	Job	735.00	8,861.00		
24-81	Providing & installation of 20 BHP submersible pumping having a discharge 7000 gallons per hour against a total head of 150 ft i/c cost of all allied accessories, commissioning testing etc, complete in all respects.	Each	2,205.00	798,075.00	Each	2,205.00	798,075.00		



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-82	Infra-Structure Providing & installation of 10 BHP submersible pumping having a discharge 7000 gallons per hour against a total head of 150 ft i/c cost of all allied accessories, commissioning testing etc, complete in all respect	Each	2,205.00	528,005.00	Each	2,205.00	528,005.00		
24-83	Site clearance, grubbing and disposal of muddy water to nearest disposal point.	m2	635.04	2,831.03	1000 SFT	0.64	2.83		
24-84	Reaming of 15" dia Pilot bore hole, 0m to 360m, without casing pipes including withdrawals the boring pipes, washing the bore by means of pipe cylinder etc. all complete as per direction of engineer in-charge	m	423.85	423.85	RFT	423.85	423.85		
24-85	Electrical log (self potential resistivity both short and normal) of test bore holes.	Each	14,467.25	65,254.75	Each	14,467.25	65,254.75		
24-86	Installation of Anchor Bars in spill way & Dam Embankment by using No. 11 bar (11' length) including 3" dia bore-hole along with cement slurry bentonite.	Meter	1,140.23	2,469.07	Meter	1,140.23	2,469.07		
24-87	Water Pressure Test including drilling and testing for calculation of water losses in bore-hole: 0-30 m	Meter	173.86	4,953.86	Meter	173.86	4,953.86		
24-88	Providing & Fixing of Chain Pulley Block of 3 ton capacity, Complete in all respects.	Each	367.50	26,060.00	Each	367.50	26,060.00		
24-89	Providing & Fixing unservicable brass bushes for bowel assembly	Each	183.75	3,171.25	Each	183.75	3,171.25		
24-90-a	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	5,451.25	135,706.25	746 HW	5,451.25	135,706.30		WHP = Discharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-90-b	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 1 WHP and upto 3 WHP (As per Approved Technical Specifications)	WHP	4,361.00	125,056.00	746 HW	4,361.00	125,056.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-90-c	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 3 WHP and upto 6 WHP (As per Approved Technical Specifications)	WHP	3,815.88	107,780.88	746 HW	3,815.88	107,780.90		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-90-d	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 6 WHP and upto 10 WHP (As per Approved Technical Specifications)	WHP	3,270.75	63,020.75	746 HW	3,270.75	63,020.75		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-90-e	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 10 WHP and upto 15 WHP (As per Approved Technical Specifications)	WHP	2,725.63	55,305.63	746 HW	2,725.63	55,305.63		WHP = Discharge (iGPM)* Head (ft) / 3300
24-90-f	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 15 WHP and upto 20 WHP (As per Approved Technical Specifications)	WHP	2,180.50	49,980.50	746 HW	2,180.50	49,980.50		WHP = Discharge (iGPM)* Head (ft) / 3300
24-90-g	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 20 WHP (As per Approved Technical Specifications)	WHP	1,090.25	46,500.25	746 HW	1,090.25	46,500.25		WHP = Discharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-91-a	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	3,815.88	76,710.88	746 HW	3,815.88	76,710.88		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-91-b	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 1 WHP and upto 3 WHP (As per Approved Technical Specifications)	WHP	3,543.31	64,488.31	746 HW	3,543.31	64,488.31		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-91-c	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 3 WHP and upto 6 WHP (As per Approved Technical Specifications)	WHP	3,270.75	57,045.75	746 HW	3,270.75	57,045.75		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-91-d	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 6 WHP and upto 10 WHP (As per Approved Technical Specifications)	WHP	2,180.50	40,181.50	746 HW	2,180.50	40,181.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-91-e	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 10 WHP and upto 15 WHP (As per Approved Technical Specifications)	WHP	1,090.25	31,443.25	746 HW	1,090.25	31,443.25		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-91-f	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 15 WHP and upto 20 WHP (As per Approved Technical Specifications)	WHP	817.69	22,925.19	746 HW	817.69	22,925.19		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-91-g	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 20 WHP and up to 30 WHP (As per Approved Technical Specifications)	WHP	708.66	20,545.66	746 HW	708.66	20,545.66		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-91-h	Supply & Installation, testing and commissioning of Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Motor Control Unit (equipped with UV/OV, dry run protection device, surge protection, phase reverse indicator) Complete in all accessories including NRV, Pressure Gauge, Sluice valve except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 30 WHP (As per Approved Technical Specifications)	WHP	599.64	18,883.14	746 HW	599.64	18,883.14		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-92-a	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	10,902.50	252,292.50	746 HW	10,902.50	252,292.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-92-b	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	241,642.25	746 HW	9,812.25	241,642.30		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-92-c	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,176.88	144,406.88	746 HW	8,176.88	144,406.91		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-92-d	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	6,541.50	105,726.50	746 HW	6,541.50	105,726.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-92-e	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	5,451.25	101,051.25	746 HW	5,451.25	101,051.30		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-92-f	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	96,376.00	746 HW	4,361.00	96,376.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-92-g	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge less than or equal to 3000 iGPH and output capacity greater than 20 WHP (As per Approved Technical Specifications)	WHP	2,180.50	91,805.50	746 HW	2,180.50	91,805.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-93-a	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	10,357.38	194,387.38	746 HW	10,357.38	194,387.41		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-93-b	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	171,137.25	746 HW	9,812.25	171,137.30		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-93-c	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,722.00	101,932.00	746 HW	8,722.00	101,932.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-93-d	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	7,631.75	73,356.75	746 HW	7,631.75	73,356.75		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-93-e	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	59,838.50	746 HW	6,541.50	59,838.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-93-f	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	50,368.50	746 HW	4,361.00	50,368.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-93-g	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 20 WHP and upto 30 (As per Approved Technical Specifications)	WHP	3,270.75	47,485.75	746 HW	3,270.75	47,485.75		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-93-h	Supply & Installation, testing and commissioning of Solar Submersible Pump (ISO - 9906 Certified) coupled with Submersible rewind-able Electric Motor with AC winding and all accessories like Solar Pump Controller, du/dt filter Complete in all accessories including cooling jackets, NRV, Pressure Gauge, Sluice valves (02 Nos) except column pipe and power cable for discharge greater than 3000 iGPH and output capacity greater than 30 WHP (As per Approved Technical Specifications)	WHP	2,180.50	43,408.00	746 HW	2,180.50	43,408.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-94-a	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	10,902.50	387,327.50	746 HW	10,902.50	387,327.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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MARKET RATE SYSTEM - 2020

Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-94-b	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	361,142.25	746 HW	9,812.25	361,142.31		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-94-c	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,722.00	321,812.00	746 HW	8,722.00	321,812.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-94-d	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	7,631.75	215,561.75	746 HW	7,631.75	215,561.80		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-94-e	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	208,496.50	746 HW	6,541.50	208,496.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-94-f	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	196,756.00	746 HW	4,361.00	196,756.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-94-g	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 20 WHP (As per Approved Technical Specifications)	WHP	2,180.50	189,795.50	746 HW	2,180.50	189,795.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-95-a	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	10,357.38	264,892.38	746 HW	10,357.38	264,892.41		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-95-b	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	257,177.25	746 HW	9,812.25	257,177.30		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-95-c	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,722.00	235,772.00	746 HW	8,722.00	235,772.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-95-d	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	7,631.75	217,951.75	746 HW	7,631.75	217,951.80		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-95-e	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	201,924.00	746 HW	6,541.50	201,924.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-95-f	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	189,586.00	746 HW	4,361.00	189,586.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-95-g	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 20 WHP and up to 30 WHP (As per Approved Technical Specifications)	WHP	3,270.75	184,910.75	746 HW	3,270.75	184,910.80		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-95-h	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Fixed Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inverter, sized at a sizing factor of 1.75 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 30 WHP (As per Approved Technical Specifications)	WHP	2,180.50	179,040.50	746 HW	2,180.50	179,040.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-96-a	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	10,902.50	399,277.50	746 HW	10,902.50	399,277.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-96-b	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	392,212.25	746 HW	9,812.25	392,212.31		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-96-c	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,722.00	331,372.00	746 HW	8,722.00	331,372.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-96-d	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	7,631.75	203,611.75	746 HW	7,631.75	203,611.80		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-96-e	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	188,181.50	746 HW	6,541.50	188,181.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-96-f	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	183,611.00	746 HW	4,361.00	183,611.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-96-g	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 20 (As per Approved Technical Specifications)	WHP	2,180.50	177,845.50	746 HW	2,180.50	177,845.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-97-a	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	10,357.38	281,622.38	746 HW	10,357.38	281,622.41		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-97-b	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	266,737.25	746 HW	9,812.25	266,737.31		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-97-c	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,722.00	235,772.00	746 HW	8,722.00	235,772.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-97-d	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	7,631.75	188,076.75	746 HW	7,631.75	188,076.80		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-97-e	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	179,816.50	746 HW	6,541.50	179,816.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-97-f	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	172,856.00	746 HW	4,361.00	172,856.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-97-g	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 20 WHP and up to 30 WHP (As per Approved Technical Specifications)	WHP	2,180.50	167,090.50	746 HW	2,180.50	167,090.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-97-h	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules ,Manual Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 30 WHP (As per Approved Technical Specifications)	WHP	2,180.50	163,505.50	746 HW	2,180.50	163,505.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-98-a	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	11,992.75	494,772.75	746 HW	11,992.75	494,772.81		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-98-b	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	11,447.63	485,862.63	746 HW	11,447.63	485,862.59		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-98-c	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	10,357.38	427,412.38	746 HW	10,357.38	427,412.41		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-98-d	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	9,267.13	272,167.13	746 HW	9,267.13	272,167.09		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-98-e	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	256,296.50	746 HW	6,541.50	256,296.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-98-f	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	4,361.00	240,971.00	746 HW	4,361.00	240,971.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-98-g	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge less than or equal to 3000 iGPH and output capacity greater than 20 WHP (As per Approved Technical Specifications)	WHP	2,180.50	232,815.50	746 HW	2,180.50	232,815.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-99-a	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tracker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity up to 1 WHP (As per Approved Technical Specifications)	WHP	9,800.00	373,080.00	746 HW	9,800.00	373,080.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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		Unit	Labour	Composite	Unit	Labour	Composite		
24-99-b	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 1 WHP and up to 3 WHP (As per Approved Technical Specifications)	WHP	9,812.25	362,337.25	746 HW	9,812.25	362,337.31		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-99-c	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 3 WHP and up to 6 WHP (As per Approved Technical Specifications)	WHP	8,722.00	325,397.00	746 HW	8,722.00	325,397.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-99-d	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 6 WHP and up to 10 WHP (As per Approved Technical Specifications)	WHP	7,631.75	265,751.75	746 HW	7,631.75	265,751.81		WHP = Dishcharge (iGPM)* Head (ft) / 3300



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-99-e	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 10 WHP and up to 15 WHP (As per Approved Technical Specifications)	WHP	6,541.50	240,761.50	746 HW	6,541.50	240,761.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-99-f	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 15 WHP and up to 20 WHP (As per Approved Technical Specifications)	WHP	5,451.25	218,161.25	746 HW	5,451.25	218,161.30		WHP = Dishcharge (iGPM)* Head (ft) / 3300
24-99-g	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 20 WHP and up to 30 WHP (As per Approved Technical Specifications)	WHP	4,361.00	212,291.00	746 HW	4,361.00	212,291.00		WHP = Dishcharge (iGPM)* Head (ft) / 3300



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MARKET RATE SYSTEM - 2020

Chapter # : 24 TUBEWELL AND WATER SUPPLY

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24-99-h	Supply & Installation, testing and commissioning of complete Solar PV Generator including A-Grade Mono Crystalline PV Modules , Auto sun Tacker Mounting Structure and Foundation Civil work, Junction Boxes, Fuses, DC Breakers, Wiring complete upto Solar Pump Inerter, sized at a sizing factor of 1.50 capable of operating its intended solar pump having discharge greater than 3000 iGPH and output capacity greater than 30 WHP (As per Approved Technical Specifications)	WHP	2,180.50	205,330.50	746 HW	2,180.50	205,330.50		WHP = Dishcharge (iGPM)* Head (ft) / 3300



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-01	Laying, linking and packing tramway line	Rft	22.77	22.77	m	74.69	74.69	25.3 , 25.4	
25-02	Dismantling tramway track	Rft	7.30	7.30	m	23.95	23.95	25.3 , 25.4	
25-03	Laying, linking of BG track, including packing, straightening and levelling	Rft	61.86	61.86	m	202.96	202.96	25.3 , 25.4	
25-04	Linking points and crossings, complete with fastening	Each	5,880.00	5,880.00	Each	5,880.00	5,880.00	25.3 , 25.4	
25-05	Bending or straightening BG rail with jim crow	Each	689.06	689.06	Each	689.06	689.06	25.3 , 25.4	
25-06	Fixing street lamp posts	Each	624.75	624.75	Each	624.75	624.75	25.3 , 25.4	
25-07	Binding ends of sleepers and timbers of all sizes & kinds, including spreading & restacking	Each	77.18	77.18	Each	77.18	77.18	25.3 , 25.4	
25-08	Opening stacks of sleepers & timber of all kinds and sizes, including spreading for inspection	Each	9.04	9.04	Each	9.04	9.04		
25-09	Small iron work, such as gusset plates, knees, bends, stirrups, straps, rings etc excluding erection	Tonne	64,680.00	196,130.00	Tonne	64,680.00	196,130.00		
25-10	Fabrication of heavy steel work with angle, tees, sheet iron etc for making trusses, girders etc	Tonne	10,106.25	142,665.45	Tonne	10,106.25	142,665.50	25.3 , 25.4	
25-11	Erection and fitting in position iron trusses, staging of water tanks, etc	Tonne	10,499.66	10,499.66	Tonne	10,499.66	10,499.66	25.3 , 25.4	
25-12	Fixing corrugated iron sheet including rivetting, etc 24 SWG to 26 SWG	Sft	16.17	16.17	m2	173.99	173.99	25.3 , 25.4	
25-13	Erecting corrugated iron sheet tanks, upto 20' height	Tonne	15,288.00	15,288.00	Tonne	15,288.00	15,288.00	25.3 , 25.4	
25-14	Erecting rolled steel beams or old rails, in roof etc, erection & fixing in position	Tonne	904.05	904.05	Tonne	904.05	904.05	25.3 , 25.4	
25-15	Erecting rolled steel beams or rails, erection for posts etc (other than in roofs)	Tonne	448.35	448.35	Tonne	448.35	448.35	25.3 , 25.4	
25-16	Making bolts & nuts of iron rods	Kg	152.21	249.48	Kg	152.21	249.48	25.3.2, 25.3.5 , 25.3.6	
25-17-a	Cutting rails, rolled steel joist & beams, with hacksaw : Upto 6" size	Each cut	275.68	275.68	Each cut	275.68	275.68	25.3.2, 25.3.3, 25.4.21 25.4.17	



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter #: 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-17-b	Cutting rails,rolled steel joist & beams, with hacksaw : Above 6" size	Each cut	413.44	413.44	Each cut	413.44	413.44	25.3.2, 25.3.3, 25.4.21 25.4.17	
25-18	Cutting rails or rolled steel beams of size below 6" with jim	Each cut	137.76	137.76	Each cut	137.76	137.76	25.3.2, 25.3.3, 25.4.21 25.4.17	
25-19	Bending rolled steel beams or rails	Per Bend	236.32	1,608.89	Per Bend	236.32	1,608.89	25.3.2, 25.3.3, 25.4.21 25.4.17	
25-20	Drilling holes,in plates over 1/2" thick per inch dia. or part thereof	Each hole	64.37	64.37	Each hole	64.37	64.37	25.4.2.3	
25-21	Extra for drilling holes in plates upto 1/2" thick per inch dia, or part thereof	Each hole	31.70	31.70	Each hole	31.70	31.70	25.4.2.3	
25-22	Rivetting 1/8" dia	Each	8.27	8.27	Each	8.27	8.27	25.4.5	
25-23	Cutting out Rivets, all sizes.	Each	22.99	22.99	Each	22.99	22.99	25.4.2.2 , 25.4.5	
25-24	Fitting and erection of gutters of sheet iron	Rft	47.78	47.78	m	156.74	156.74	25.4.8	
25-25	Cutting and fixing iron bars, for barred windows	Each	64.37	64.37	Each	64.37	64.37	25.4.2.2 , 25.4.8	
25-26	Cutting GI sheets of 2'-8" wide.	Each	27.62	27.62	Each	27.62	27.62	25.4.2.2 , 25.4.8	
25-27	Notching web or foot of rail posts for housing rail beams	Each cut	551.19	604.57	Each cut	551.19	604.57	25.4.2.2	
25-28	Hoop iron netted trellis work fixed with nails	Sft	56.19	58.41	m2	604.61	628.52	25.4.4, 25.4.8, 25.4.9 , 25.4.13	
25-29	Fixing zinc, iron or GI sheet on table tops	Sft	29.33	30.10	m2	315.55	323.91	25.4.4, 25.4.8, 25.4.9 , 25.4.13	
25-30-a	Providing and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" and 3/4" round bars 4" center to center.	Sft	592.09	1,437.06	m2	6,370.91	15,462.80	25.3, 25.4.2, 25.4.3, 25.4.13 , 25.5	



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Chapter # : 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-30-b	Providing and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" and 1" square bars 4" center to center.	Sft	592.09	1,534.34	m2	6,370.91	16,509.46	25.3, 25.4.2, 25.4.3, 25.4.13 , 25.5	
25-31	Providing and fixing steel grated doors, with 1/16" thick sheeting including angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center with locking arrangement.	Sft	523.15	1,654.05	m2	5,629.14	17,797.61	25.3, 25.4.2, 25.4.3, 25.4.13 , 25.5	
25-32	Providing and fixing grating in opening including fixing at site with flat iron 2" x 3/8" and 3/4" round bars at 4" center to center.	Sft	137.81	556.97	m2	1,482.86	5,993.00	25.3, 25.4.2, 25.4.3 , 25.4.13	
25-33-a	Providing and fixing terrace railing 2" i/d conduit pipe 16 SWG, welded with 5/8" x 5/8" square bar 2.75 ft. high fixed at 5" centre to centre, in RCC slab with suitable arrangement, complete in all respects as per design and drawing.	Rft	141.79	793.69	m	465.20	2,603.97	25.7.4	
25-33-b	Providing and fixing steel square pipe size 1-1/2" x 1-1/2" of 16 gauge including its welding, complete in all respect, as specified	Rft	37.36	189.41	m	122.58	621.41	25.7.4	
25-34	Providing and fixing collapsible gate made of 2"x2"x1/4" tee iron at top and bottom, channel iron verticals 3/4" x 1/4" x 1/4" x 1/8" at 3" to 5" centre to centre (approximate) and flat iron crosses 3/4" x 3/16" and best quality rollers at bottom of 3" diameters including holdfast, handles 12" long of 3/4" x 1/4" x 1/4" x 1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black enamel, complete in working order.	Sft	318.32	969.67	m2	3,425.15	10,433.65		
25-35	Providing and Fixing 24 SWG GI sheet rolling shutter of steel frame of MS channel 2"x1.25"x1/8" complete	Sft	39.81	272.31	m2	428.38	2,930.09	25.3 , 25.4	
25-36	Providing and Fixing MS angle iron 1"x1"x1/4" edge protector nozing of steps of stairs, complete	Rft	47.32	284.00	m	155.23	931.75	25.3 , 25.4	
25-37	Providing and Fixing stair railing of 2.5" i/d GI pipe, welded with 5/8"x5/8" MS bars 2'-9" high, fixed in each step	Rft	161.70	520.88	m	530.51	1,708.91	25.3 , 25.4	



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Chapter # : 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-38	Providing and Fixing GI wire gauze 24 SWG, (12x12) meshes per sq.in., fixed to steel windows or doors etc, complete in all respects	Sft	119.07	225.88	m2	1,281.19	2,430.50	25.3 , 25.4	
25-39-a-01	Providing and fixing steel windows with openable glazed pannels, using beam section for frame 1-1/2" x 1" x 5/8" x 1/8", z-section for leaves 3/4" x 1" x 3/4" x 1/8", T- section sashes 1"x1"x1/8", glass panes, wooden screed for glazing embded over a thin layer of putty duly screwed with leaves, brass fittings holdfast, duly painted, complete in all respects, including all cost of material and labour etc. as per approved design and as directed by the engineer - in -charge: Glass pane 2mm thick	Sft	34.91	683.58	m2	375.66	7,355.29	25.3 , 25.4	
25-39-a-02	Providing and fixing steel windows with openable glazed pannels, using beam section for frame 1-1/2" x 1" x 5/8" x 1/8", z-section for leaves 3/4" x 1" x 3/4" x 1/8", T- section sashes 1"x1"x1/8", glass panes, wooden screed for glazing embded over a thin layer of putty duly screwed with leaves, brass fittings holdfast, duly painted, complete in all respects, including all cost of material and labour etc. as per approved design and as directed by the engineer - in -charge Glass pane 2.5mm thick	Sft	34.91	689.55	m2	375.66	7,419.58		
25-39-a-03	Providing and fixing steel windows with openable glazed pannels, using beam section for frame 1-1/2" x 1" x 5/8" x 1/8", z-section for leaves 3/4" x 1" x 3/4" x 1/8", T- section sashes 1"x1"x1/8", glass panes, wooden screed for glazing embded over a thin layer of putty duly screwed with leaves, brass fittings holdfast, duly painted, complete in all respects, including all cost of material and labour etc. as per approved design and as directed by the engineer - in -charge Glass pane 3mm thick	Sft	34.91	699.11	m2	375.66	7,522.44		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-39-a-04	Providing and fixing steel windows with openable glazed pannels, using beam section for frame 1-1/2" x 1" x 5/8" x 1/8", z-section for leaves 3/4" x 1" x 3/4" x 1/8", T- section sashes 1"x1"x1/8", glass panes, wooden screed for glazing embeded over a thin layer of putty duly screwed with leaves, brass fittings holdfast, duly painted, complete in all respects, including all cost of material and labour etc. as per approved design and as directed by the engineer - in -charge: Glass pane 4mm thick	Sft	34.91	707.48	m2	375.66	7,612.45		
25-39-a-05	Providing and fixing steel windows with openable glazed pannels, using beam section for frame 1-1/2" x 1" x 5/8" x 1/8", z-section for leaves 3/4" x 1" x 3/4" x 1/8", T- section sashes 1"x1"x1/8", glass panes, wooden screed for glazing embeded over a thin layer of putty duly screwed with leaves, brass fittings holdfast, duly painted, complete in all respects, including all cost of material and labour etc. as per approved design and as directed by the engineer - in -charge Glass pane 5mm thick	Sft	34.91	716.44	m2	375.66	7,708.89		
25-39-b-01	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze : Glass pane 2mm	Sft	38.59	781.17	m2	415.20	8,405.38		
25-39-b-02	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze : Glass pane 2.5mm	Sft	38.59	781.17	m2	415.20	8,405.38		
25-39-b-03	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze : Glass pane 3mm	Sft	38.59	796.70	m2	415.20	8,572.53		
25-39-b-04	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze : Glass pane 4mm	Sft	38.59	805.07	m2	415.20	8,662.54		
25-39-b-05	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze : Glass pane 5mm	Sft	38.59	814.03	m2	415.20	8,758.98		
25-40	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze :	Sft	597.19	1,099.09	m2	6,425.74	11,826.19		
25-41	Providing and Fixing angle iron railing with MS Pipe 2" dia at top and at Mid-height, using 2.5"x2.5"x3/8" angle iron post 4.5' long, 5" to 6" apart, complete	Rft	330.75	1,470.37	m	1,085.14	4,824.04	25.7.4	



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Chapter # : 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-42	Providing and fixing barbed wire (12 Guage) fencing consisting of 1.5"x1.5"x3/16" angle iron post 3.25 ft long, 5 to 6 ft centre to centre embedded in cement concrete 1:2:4 base of size 9"x9"x12", and 3 rows of barbed wire, painting posts, etc. complete in all respects.	Rft	71.42	193.26	m	234.33	634.05	25.7.4	
25-43	Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	Rft	76.44	217.20	m	250.79	712.58	25.7.4	
25-44	Supplying and Fixing 18SWG Steel Almirah, 12" max depth including box shelves, back, shelves, lock, spray paint complete	Sft	140.66	918.79	m2	1,513.51	9,886.13		
25-45-a	Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete	Sft	147.72	649.00	m2	1,589.43	6,983.27		
25-45-b	Supplying and Fixing 18 SWG MS Sheet Gate with angle iron frame (2"x2"x3/16") with side window, lock, painting etc	Sft	240.01	888.56	m2	2,582.55	9,560.87		
25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Rft	378.98	653.83	m	1,243.39	2,145.13	25.4.2	
25-47	Supply and fixing of fancy type stainless steel chromium plate 2" dia pipes stair railing 3/4" dia pipe fixed on specified space on steps in horizontal positions, complete in all respects	Rft	307.78	1,383.28	m	1,009.78	4,538.32	25.7.4	
25-48	Removing & folding design paracutist cloth shade with steel rope size 85'x50' complete in all respects	sft	367.50	367.50	m2	3,954.30	3,954.30		
25-49	Providing and Fixing of Steel chowkat including GI sheet (heavy gauge) with holdfast embedded in PCC 5" to 6" wide	Kg	81.58	254.86	Kg	81.58	254.86	25.4.8	
25-50-a	Providing and Fixing of Steel Bracket (heavy) for Split Unit outside	Each	95.55	693.05	Each	95.55	693.05		
25-50-b	Supply and fixing of steel bracket for curtain pipe	Each	36.75	156.25	Each	36.75	156.25	25.7.4	
25-51	Supply and Fixing of Tee Iron (2"x2"x1/8")	RFT	40.42	171.88	m	132.63	563.89	25.3.8	
25-52	Providing, making & fixing of Steel manhole cover i/c angle iron (1 1/2" x 1 1/4" x 1/8") frame with M.S. sheet'complete .	Each	294.00	679.98	Each	294.00	679.98		



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Chapter # : 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-53	Providing, making and fixing of steel grill of MS pipe (2"x1") ornamental design i/c cost of painting complete.	Sft	191.10	597.55	m2	2,056.24	6,429.59		
25-54	Minor repair of steel joinery complete.	Sft	36.77	52.73	m2	395.63	567.32		
25-55	Supply and Fixing of steel ladder 5' dia upto 15' height with umbrella railing complete in all respect	Each	3,307.50	14,062.50	Each	3,307.50	14,062.50		
25-56	Providing and fixing steel gate of 16-18 SWG MS Sheet Gate with angle iron frame (2"x2"x3/16") with side window, lock, painting etc M.S. sheet covering including hold fast, with or without rollers and track arrangement including providing wicket shutter of required size with all accessories and locking arrangement complete	Sft	225.32	548.92	m2	2,424.45	5,906.43		
25-57	Providing & Fixing of M.S Girder (WF 10x30) Duly painted including red oxide primer, complete in all respects.	Rft	796.67	1,143.22	m	2,613.74	3,750.71		
25-58-a	Supply and Fixing of 27-SWG CGI sheets on existing truss frame complete in all respect.	Sft	161.70	293.15	m2	1,739.89	3,154.29		
25-58-b	Providing and fixing of parking shed consisting of CGI Sheet, tubular pipe frame (heavy) quality and circular columns excluding cost of foundation.	Sft	22.44	449.45	m2	241.41	4,836.10		
25-58-c	Providing and fixing of parking shed consisting of fiber glass Sheet, tubular pipe frame (heavy) quality and circular columns excluding cost of foundation.	Sft	22.44	536.69	m2	241.41	5,774.75		
25-58-d	Providing and fixing of cantiliver type parking shed consisting of fiber glass sheet, tubular pipe frame (heavy) quality , triangular frame supports excluding cost of foundation.	Sft	22.23	882.76	m2	239.24	9,498.49		
25-59	Making & Fixing of steel racks 1.5" depth i/e angle iron welding jointing with 3- coats painting complete	Sft	36.22	410.84	m2	389.70	4,420.68		
25-60-a	Supply and fixing razor wire (2'-0" dia) consisting of 1-1/2"X1-1/2"X3/16" angle iron Y post 2'-6" long 6' to 8' center to center embedded in concrete block of size 3"X9"X6" (PCC 1:2:4), at top of boundary wall including painting posts etc. Complete in all respects.	Rft	42.26	257.11	m	138.66	843.54		



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Chapter # : 25 IRON WORK

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25-60-b	Supply and fixing razor wire (1'-6" dia) consisting of 1-1/2"X1-1/2"X3/16" angle iron Y post 2'-6" long 6' to 8' center to center embedded in concrete block of size 3"X9"X6" (PCC 1:2:4), at top of boundary wall including painting posts etc. Complete in all respects.	Rft	42.26	179.44	m	138.66	588.70		
25-60-c	Supply and fixing razor wire (2'-0" dia) consisting of 1-1/2"X1-1/2"X3/16" angle iron Y post 2'-6" long 6' to 8' center to center fixed with bolt anchorage, at top of boundary wall including painting posts etc. Complete in all respects.	Rft	42.26	269.41	m	138.66	883.88		
25-60-d	Supply and fixing razor wire (1'-6" dia) consisting of 1-1/2"X1-1/2"X3/16" angle iron Y post 2'-6" long 6' to 8' center to center fixed with bolt anchorage, at top of boundary wall including painting posts etc. Complete in all respects.	Rft	42.26	191.73	m	138.66	629.05		
25-61	Supply and fixing of steel door comprising of steel pipe frame of size 1.25" x 2.5" & 1.25" x 2.5" square pipe at lock rail & divider above and below lock rail using 28 SWG plain sheet on both sides including hold fast, hinges & painting complete.	Sft	128.99	614.95	m2	1,387.96	6,616.81		



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MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 26 PHOTOVOLTAIC

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26-01-a-01	Double arm round conical Pole, Hot dipped galvanized (80 microns) 6 meters overall thickness 4mm Arm length 1.5 meters each with OD 60 mm, base dia 150 mm and top dia 75mm with base plate arrangement 350mm x 350 mm x 20mm, 4 No of Stiffners (150mm 75mm 13mm), Complete in all respects	No	367.50	33,536.14	No	367.50	33,536.14	26.6.6	
26-01-a-02	Single arm round conical Pole, hot dipped galvanized (80 microns) 6 meters overall thickness 4mm Arm length 1.5 meters each with OD 60 mm, base dia 150 mm and top dia 75mm with base plate arrangement 350mm x 350 mm x 20mm, 4 No of Stiffners (150mm 75mm 13mm), Complete in all respects	No	627.81	31,406.45	No	627.81	31,406.45	26.6.6	
26-01-a-03	Double arm round Conical Pole, hot dipped galvanized (80 microns) 8 meters overall thickness 4mm Arm length 1.5 meters each with OD 60 mm, base dia 180 mm and top dia 75mm with base plate arrangement 400mm x 400 mm x 20mm, 4 No of Stiffners (200mm x 100mm x 20mm), complete in all respects	No	828.71	47,142.35	No	828.71	47,142.35	26.6.6	
26-01-a-04	Single arm round conical Pole, hot dipped galvanized (80 microns) 8 meters overall thickness 4mm Arm length 1.5 meters each with OD 60 mm, base dia 180 mm and top dia 75mm with base plate arrangement (400mm x 400 mm x 20mm), 4 No of Stiffners (200mm x 100mm x 20mm), complete in all respects	No	828.71	44,752.35	No	828.71	44,752.35	26.6.6	
26-01-a-05	Double arm round conical Pole, hot dipped galvanized 10m overall thickness 5mm Arm length 1.5 meters each with OD 60 mm, base dia 200 mm and top dia 100mm with base plate arrangement 450mm x 450 mm x 25mm, Stiffners size (250mm x 100mm x 20mm), complete in all respects	No	1,255.63	63,104.26	No	1,255.63	63,104.26	26.6.6	



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Chapter # : 26 PHOTOVOLTAIC

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26-01-a-06	Single arm round conical Pole, hot dipped galvanized 10m overall thickness 5mm Arm length 1.5 meters each with OD 60 mm, base dia 200 mm and top dia 100mm with base plate arrangement 450mm x 450 mm x 25mm, Stiffners size (250mm x 100mm x 20mm), Complete in all respects	No	1,255.63	60,714.26	No	1,255.63	60,714.26	0.00	
26-01-b-01	Supply and Erection PVC flexible pipe : 1" i/d	Rft	7.35	85.03	m	24.11	278.95	26.2.4	
26-01-b-02	Supply and Erection PVC flexible pipe : 1.5" i/d	Rft	7.35	108.93	m	24.11	357.37	15.2.4	
26-01-b-03	Supply and Erection PVC flexible pipe : 2" i/d	Rft	7.35	120.88	m	24.11	396.57	15.2.4	
26-01-c-01	Supply and Erection of pole mounted SMD type light road light fixture in Aluminium dia cast body with corrosioresisted powder coated finish (30-40 watts) with 12/24V DC LED	No	187.58	27,777.51	No	187.58	27,777.51	15.6.1	
26-01-c-02	Supply and Erection of pole mounted SMD type light road light fixture in Aluminium dia cast body with corrosion resisted powder coated finish (60-70 watts) with 12/24V DC LED	No	187.58	38,281.89	No	187.58	38,281.89	15.6.1	
26-01-c-03	Supply and Erection of pole mounted SMD type light road light fixture in Aluminium dia cast body with corrosion resisted powder coated finish (90-100) with 12/24V DC LED	No	187.58	51,426.89	No	187.58	51,426.89	15.6.1	
26-01-c-04	Supply and Erection of pole mounted SMD type light road light fixture in Aluminium dia cast body with corrosion resisted powder coated finish (120-130) with 12/24V DC LED	No	187.58	66,961.90	No	187.58	66,961.90	15.6.1	
26-01-c-05	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (7-10 W)	No	92.61	690.11	No	92.61	690.11	15.6.1	
26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	92.61	869.36	No	92.61	869.36	15.6.1	
26-01-c-07	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (21-30 W)	No	92.61	1,048.61	No	92.61	1,048.61	26.6.1	
26-01-c-08	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (31-50 W)	No	92.61	1,287.61	No	92.61	1,287.61	26.6.1	
26-01-c-09	Supply and Erection of DC ENERGY EFFICIENT LED LIGHT BULBS (51-100 W)	No	92.61	2,482.61	No	92.61	2,482.61	15.6.1	
26-01-c-10	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (11-15 W)	No	92.61	803.64	no	92.61	803.64	26.34	



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Chapter # : 26 PHOTOVOLTAIC

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26-01-d-01	Supply and Erection of Solar PV Module (Solar Panel) Mono-crystalline A-Grade (per Watt) (As per Approved Specifications)	Watt	0.88	72.58	Watt	0.88	72.58	26.10	
26-01-d-02	Supply and Erection of Solar PV Module (Solar Panel) Poly-crystalline A-Grade (per Watt) (As per Approved Specifications)	Watt	0.88	70.19	Watt	0.88	70.19	26.10	
26-01-e-01	Supply and Erection of MPPT Solar Light Charge Controller (10 Amps, 12/24 V) with all sort of electronic protections	No	92.61	11,235.99	No	92.61	11,235.99	26.41	
26-01-e-02	Supply and Erection of MPPT Solar Light Charge Controller (15 Amps, 12/24 V) with all sort of electronic protections	No	92.61	16,087.68	No	92.61	16,087.68	26.41	
26-01-e-03	Supply and Erection of MPPT Solar Light Charge Controller (20 Amps, 12/24 V) with all sort of electronic protections	No	92.61	11,743.86	No	92.61	11,743.86	26.41	
26-01-e-04	Supply and Erection of MPPT Solar Light Charge Controller (30 Amps, 12/24 V) with all sort of electronic protections	No	92.61	23,902.98	No	92.61	23,902.98	26.41	
26-01-e-05	Supply and Erection of MPPT Solar Light Charge Controller (40 Amps, 12/24 V) with all sort of electronic protections	No	92.61	34,138.16	No	92.61	34,138.16	26.41	
26-01-e-06	Supply and Erection of MPPT Solar Light Charge Controller (45 Amps, 12/24 V) with all sort of electronic protections	No	92.61	36,599.86	No	92.61	36,599.86	26.42	
26-01-e-07	Supply and Erection of MPPT Solar Light Charge Controller (50 Amps, (12/24/48 V) with all sort of electronic protections	No	92.61	41,469.48	No	92.61	41,469.48	26.43	
26-01-e-08	Supply and Erection of MPPT Solar Light Charge Controller (60 Amps, (12/24/48 V) with all sort of electronic protections	No	92.61	47,330.96	No	92.61	47,330.96	26.44	
26-01-f-01	Supply and Erection of 12 V VRLA GEL battery per AH	AH	4.41	312.72	AH	4.41	312.72	26.60	
26-01-f-02	Supply and Erection of 12 V VRLA AGM Battery per AH	AH	4.41	293.60	AH	4.41	293.60	25.50	
26-01-f-03	Supply and Erection of 12 V Lead Carbon Battery per AH	AH	4.41	331.84	AH	4.41	331.84	26.70	
26-01-f-04	Supply and Erection of 12V OPzV battery per AH	AH	4.41	322.28	AH	4.41	322.28	26.80	
26-01-f-05	Supply and Erection of 12V OPzS battery per AH	AH	4.41	243.41	AH	4.41	243.41	26.80	
26-01-f-06	Supply and Erection of 12 V Lithium LiFeP04 battery per AH	AH	1,470.00	68,652.90	AH	1,470.00	68,652.90	26.90	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26-01-f-07	Supply and Erection of 2 V OPzV battery per AH	AH	1.47	97.91	ah	1.47	97.91	26.80	
26-01-f-08	Supply and Erection of 2 V OPzS battery per AH	AH	1.47	83.21	ah	1.47	83.21	26.80	
26-01-g-01	Supply and Erection 1x2.5 sq.mm flexible copper cable	Rft	1.47	34.93	m	4.82	114.60	26.2, 26.43	
26-01-g-02	Supply and Erection 1x4 sq.mm double insulated flexible copper cable	Rft	1.47	51.66	m	4.82	169.49	26.2, 26.43	
26-01-g-03	Supply and Erection 1x6 sq.mm single core (XPLE/XPLO insulated/PCV sheathed) flexible copper cable	Rft	1.47	69.58	m	4.82	228.30	26.2, 26.43	
26-01-g-04	Supply and Erection 1x10 sq.mm flexible copper cable	Rft	1.47	106.63	m	4.82	349.84	26.2, 26.43	
26-01-g-05	Supply and Erection 1x16 sq.mm Copper cable	Rft	1.23	164.94	m	4.02	541.14	26.2, 26.43	
26-01-g-06	Supply and Erection 1x25sq.mm Copper cable	Rft	1.23	234.25	m	4.02	768.54	26.2, 26.43	
26-01-g-07	Supply and Erection 1x35 sq.mm Copper cable	Rft	1.23	321.48	m	4.02	1,054.74	26.2, 26.43	
26-01-g-08	Supply and Erection 2x2.5 sq.mm flexible copper cable	Rft	1.47	63.01	m	4.82	206.73	26.2, 26.43	
26-01-g-09	Supply and Erection 2x4 sq.mm flexible copper cable	Rft	1.47	94.08	m	4.82	308.67	26.2, 26.43	
26-01-g-10	Supply and Erection 2x6 sq.mm flexible copper cable	Rft	1.47	130.53	m	4.82	428.25	26.2, 26.43	
26-01-g-11	Supply and Erection 2x10 sq.mm flexible copper cable	Rft	1.47	185.50	m	4.82	608.60	26.2, 26.43	
26-01-g-12	Supply and Erection 2x16 sq.mm Copper cable	Rft	1.47	383.87	m	4.82	1,259.42	26.2, 26.43	
26-01-g-13	Supply and Erection 2x25sq.mm Copper cable	Rft	1.47	539.22	m	4.82	1,769.09	26.2, 26.43	
26-01-g-14	Supply and Erection 2x35 sq.mm Copper cable	Rft	1.47	778.22	m	4.82	2,553.22	26.2, 26.43	
26-01-h-01	Supply and Erection MC4 connector (TUV Approved)	Pair	46.01	270.07	Pair	46.01	270.07	26.20	
26-01-h-02	Supply and Erection MC4 Branch connector	Pair	46.01	1,121.51	Pair	46.01	1,121.51	26.20	
26-01-i-01	Supply and Erection of 3 Phase 220/380V Solar Pump inverter (MPPT) upto 1.1 KW	Per Watt	1.47	78.38	Per Watt	1.47	78.38	26.28	
26-01-i-02	Supply and Erection of 3 Phase 220/380V Solar Pump inverter (MPPT) 1.2 to 2.9 KW	Per Watt	1.47	41.26	Per Watt	1.47	41.26	26.28	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26-01-i-03	Supply and Erection of 3 Phase 220/380V Solar Pump inverter (MPPT) 3 KW to 7 KW	Per Watt	1.47	26.71	per watt	1.47	26.71	26.28	
26-01-i-04	Supply and Erection of 3 Phase 220/380V Solar Pump inverter (MPPT) 7.5 KW and above	Per Watt	1.47	16.95	Per Watt	1.47	16.95	26.38	
26-01-i-05	Supply and Erection of off Grid Hybrid inverter	Per Watt	1.47	22.32	per watt	1.47	22.32	26.28	
26-01-i-06	Supply and Erection of On Grid Hybrid inverter	Per Watt	1.47	49.14	per watt	1.47	49.14	26.28	
26-01-i-03-a	Supply and Erection of GRID TIE INVERTER (ON-Grid Inverter) (0-10 KW)	Per Watt	0.74	25.99	Per Watt	0.74	25.99	26.37	
26-01-i-03-b	Supply and Erection of GRID TIE INVERTER (ON-Grid Inverter) (10-20 KW)	Per Watt	0.74	24.04	Per Watt	0.74	24.04	26.37	
26-01-i-03-c	Supply and Erection of GRID TIE INVERTER (ON-Grid Inverter) (20-30 KW)	Per Watt	0.74	22.09	Per Watt	0.74	22.09	26.37	
26-01-i-03-d	Supply and Erection of GRID TIE INVERTER (ON-Grid Inverter) (above 30 KW)	Per Watt	0.74	20.13	Per Watt	0.74	20.13	26.37	
26-01-j-01	Supply and Erection of dV /dT or Sine Filters 11 KW to 18.5 KW	No	735.00	88,627.25	no	735.00	88,627.25	26.29	
26-01-j-02	Supply and Erection of dV /dT or Sine Filter or dV/dT filter 22 KW to 45 KW	No	735.00	133,380.00	no	735.00	133,380.00	26.29	
26-01-k-01	Supply installation and commissioning of DC Submersible (1HP 1200W, 40 meter head)	No	1,470.00	79,145.00	No	1,470.00	79,145.00	26.23	
26-01-k-02	Supply installation and commissioning of DC Submersible (2HP (2000w), 50 meter head)	No	1,470.00	120,970.00	No	1,470.00	120,970.00	26.23	
26-01-k-03	Supply installation and commissioning of DC Submersible (3HP (3000w), 100 meter head)	No	1,470.00	240,470.00	No	1,470.00	240,470.00	26.23	
26-01-k-04	Supply installation and commissioning of DC Submersible (5HP (5000w), 100 meter head)	No	1,470.00	383,870.00	No	1,470.00	383,870.00	26.23	
26-01-k-05	Supply installation and commissioning of DC Submersible (10 HP (10 kw), 140 meter head)	No	2,940.00	719,940.00	No	2,940.00	719,940.00	26.24	
26-01-l-01	Supply and Erection of AC ENERGY EFFICIENT CEILING FANS 56 inch, 50 W	No	161.70	5,739.96	No	161.70	5,739.96	26.13	
26-01-l-02	Supply and Erection of DC CEILING FANS 48 inch 30-36 W	No	161.70	4,583.20	No	161.70	4,583.20	26.15	
26-01-l-03	Supply and Erection of DC PEDISTAL FANS 18 inch 18-30 W	No	161.70	4,822.20	No	161.70	4,822.20	26.16	
26-01-m-01	Supply and Erection of hot dipped (80 microns Average) galvanized steel of minimum thickness of 12 SWG / 2.64 mm Channel / Pipe or 8 SWG / 4.06 mm Angle	Per Watt	1.47	21.82	Per Watt	1.47	21.82	15.6.6	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26-01-n-01	Supply and Erection of Copper Conductor of 10 AWG	Watt	1.47	9.84	Watt	1.47	9.84	15.1.2	
26-01-n-02	Supply and Erection of 1x1 ft 4mm Copper Earthing Plate	Watt	1.47	3.86	Watt	1.47	3.86	15.12	
26-01-n-03	Supply and Erection of Stainless Steel Nuts and Bolts	Watt	1.47	3.86	Watt	1.47	3.86	0.00	
26-01-o	Supply and Erection of BOX / STAND for Batteries SHS Inverter & Charge Controller	Watt	1.47	6.25	Watt	1.47	6.25	26.10	
26-01-p-01	Supply and Erection of INVERTER BASED SPLIT AC (01 Ton)	No	735.00	78,410.00	No	735.00	78,410.00	26.17	
26-01-p-02	Supply and Erection of INVERTER BASED SPLIT AC (1.5 Ton)	No	735.00	84,385.00	No	735.00	84,385.00	26.17	
26-01-p-03	Supply and Erection of INVERTER BASED SPLIT AC (02 Ton)	No	735.00	90,360.00	No	735.00	90,360.00	26.17	
26-01-q	Supply and Erection of SOLAR AUTO TRACKER for 3.6 KW installation	No	1,470.00	268,911.00	No	1,470.00	268,911.00	26.33	
26-01-r	Supply and Erection of PV MOUNTING FRAME WITH MANUAL TRAKERING	kW	45.57	29,276.46	kW	45.57	29,276.46	26.34	



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Chapter # : 27 REPAIR & MAINTENANCE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-01	Repair of leakages in valve of already laid pipe line in trenches / building i/c cost of extraction / exvacation, complete in all respect of the following sizes. a) 3" to 6" dia of Valve	Each	369.34	514.67	Each	369.34	514.67		
27-02	Repair of leakages in valve of already laid pipe line in trenches / building i/c cost of extraction / exvacation, complete in all respect of the following sizes. a) 1" to 2.5" dia of Valve	Each	290.33	349.48	Each	290.33	349.48		
27-03	Removing of existing damaged rusted & choked G.I pipe from 1/2" to 4 " Nominal Pipe Size (NPS)	Rft	6.54	8.93	m	21.46	29.30		
27-04	Repairing & re-fixing of steel main gate i/c hold fast, welding complete in all respects	Sft	37.49	49.02	m2	403.34	527.46		
27-05	Repair of existing G.I. damaged connection 1/2" to 4" dia i/c required jointing of union,socket,nipple,elbow etc, complete in all respect.	each	147.00	147.00	each	147.00	147.00		
27-06	Repairing welding of suigas water heater 35-gallons capacity with replacement of Centre pipe and Bottom sheet, complete In all respect i/c carriage etc	Job	444.67	1,074.44	Job	444.67	1,074.44		
27-07	Replacement of rusted/leaking G.I water tank with new for water geyser 30/35 gallens	Job	1,029.00	14,174.00	Job	1,029.00	14,174.00		
27-08	Removing of glazed earthen ware WC European type of approved make/size including cost of double seat & cover (plastic & bakelite), complete in all respects: All Colours	Each	313.91	385.61	Each	313.91	385.61		
27-09	Removing of glazed earthen ware WC squatting type, complete in all respects: All Colours	Each	376.69	448.39	Each	376.69	448.39		
27-10	Removing of glazed earthen ware wash hand basin (WHB), complete in all respects: All colours	Each	387.41	459.11	Each	387.41	459.11		
27-11	Removing of stainless steel sink with drain board, complete in all respect.	Each	496.13	567.83	Each	496.13	567.83		
27-12	Removing terrazzo concrete sink, with drain board of mosaic, complete in all respect	Each	606.38	678.08	Each	606.38	678.08		
27-13	Removing chorimum plated (CP) shower rose of approved quality complete : Size 1/2"x4" (15 mm x 100 mm)	Each	102.90	174.60	Each	102.90	174.60		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-14-a	Furnishing and Installation thrust bearing for motor (10-25 H.P) (V.H.S.) turbine	Each	505.31	11,857.81	Each	505.31	11,857.81		
27-14-b	Furnishing and Installation thrust bearing for motor (30-50 H.P) (V.H.S.) turbine	Each	505.31	13,949.06	Each	505.31	13,949.06		
27-14-c	Furnishing and Installation ball bearing for Hollow Shaft Vertical Elec. / Motor Turbine (10-25 H.P)	Each	505.31	7,077.81	Each	505.31	7,077.81		
27-14-d	Furnishing and Installation ball bearing for Hollow Shaft Vertical Elec. / Motor Turbine (30-50 H.P)	Each	505.31	7,974.06	Each	505.31	7,974.06		
27-15-a	Rewinding of Submersible electric motor i/c carriage from site of work and back i/c testing installation complete with all respects: From 0.75 to 20 H.P	H.P	698.25	1,475.00	H.P	698.25	1,475.00		
27-15-b	Rewinding of Submersible electric motor i/c carriage from site of work and back i/c testing installation complete with all respects: Above 20 H.P	H.P	808.50	1,734.63	H.P	808.50	1,734.63		
27-16-a	Rewinding of turbine electric motor i/c carriage from site of work and back i/c testing installation complete with all respects: From 0.75 to 20 H.P	H.P	698.25	1,475.00	H.P	698.25	1,475.00		
27-16-b	Rewinding of turbine electric motor i/c carriage from site of work and back i/c testing installation complete with all respects: Above 20 H.P	H.P	808.50	1,734.63	H.P	808.50	1,734.63		
27-17	Supply and fixing of C.T Coil for Ampere meter	Each	294.00	592.75	Each	294.00	592.75		
27-18-a	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (0 to 200 ft)	Job	1,029.00	5,211.50	Job	1,029.00	5,211.50		
27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Job	1,470.00	8,162.00	Job	1,470.00	8,162.00		
27-19	S/Fixing of Top nut any size	Each	58.80	309.75	Each	58.80	309.75		
27-20	S/Fixing of Top shaft any size (Turbine/Submersible)	Each	735.00	6,112.50	Each	735.00	6,112.50		
27-21	S/Fixing of staffing box gland	Set	735.00	5,037.00	Set	735.00	5,037.00		
27-22	S/Fixing of threaded coupling	Set	147.00	529.40	Set	147.00	529.40		
27-23-a	Supply and Fixing for Coloumn Pipe Turbine	Rft	367.50	953.05	m	1,205.71	3,126.80		
27-23-b	For Stage (Turbine/Submersible)	Rft	294.00	748.10	m	964.57	2,454.40		
27-24-a	Rewinding of Voltage Regulator complete in all respect: 3 coil	Job	1,470.00	17,961.00	Job	1,470.00	17,961.00		



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MARKET RATE SYSTEM - 2020

Chapter # : 27 REPAIR & MAINTENANCE

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-24-b	Rewinding of Voltage Regulator coil complete in all respect:	No.	735.00	6,052.75	No.	735.00	6,052.75		
27-25	Repair of Voltage regulator point control machine	Job	735.00	5,013.10	Job	735.00	5,013.10		
27-26	Repair of Voltage regulator point control machine	Job	735.00	5,013.10	Job	735.00	5,013.10		
27-27	Replacement of pump shaft stainless steel	No.	882.00	6,140.00	No.	882.00	6,140.00		
27-28	Replacement of Impellar	No.	882.00	2,614.75	No.	882.00	2,614.75		
27-29	Supply and Fixing of Column shaft Sleeve 20 to 30 mm	No.	220.50	925.55	No.	220.50	925.55		
27-30	Replacement of Column pipe socket 3" to 6" i/d	No.	441.00	2,054.25	No.	441.00	2,054.25		
27-31	Replacement of column shaft any size	No.	735.00	2,109.25	No.	735.00	2,109.25		
27-32	Replacement of wearing ring	No.	220.50	818.00	No.	220.50	818.00		
27-33	Replacement of studs for intermediate bowl	No.	23.52	53.40	No.	23.52	53.40		
27-34	Replacement of nut, bolts of any size	No.	26.46	104.13	No.	26.46	104.14		
27-35	Repair/reconditioning of impellers	No.	353.72	449.32	No.	353.72	449.32		
27-36	Replacing the Submersible motor thrust bearing and disc	No.	1,286.25	12,937.50	No.	1,286.25	12,937.50		
27-37	Replacing the carbon bushes / steel bushes for submersible motor complete	Job	826.88	4,830.13	Job	826.88	4,830.13		
27-38	Replacing of brass bush any size	Job	257.25	944.38	Job	257.25	944.38		
27-39	Replacing of bearing bushes/houseing	Job	282.98	940.22	Job	282.98	940.22		
27-40	Replacing of rubber packing 3" to 6"i/d	Pair	36.75	156.25	Pair	36.75	156.25		
27-41-a	Rewinding of H.T Coil 25 KVA	Job	367.50	7,896.00	Job	367.50	7,896.00		
27-41-b	Rewinding of H.T Coil 50 KVA	Job	514.50	9,859.40	Job	514.50	9,859.40		
27-41-c	Rewinding of H.T Coil 100 KVA	Job	1,029.00	19,790.50	Job	1,029.00	19,790.50		
27-42-a	Rewinding of L.T Coil 25 KVA	Job	367.50	3,982.38	Job	367.50	3,982.38		
27-42-b	Rewinding of L.T Coil 50 KVA	Job	514.50	4,995.75	Job	514.50	4,995.75		
27-42-c	Rewinding of L.T Coil 100 KVA	Job	1,029.00	6,048.00	Job	1,029.00	6,048.00		
27-43	Replacement of insulator (HT) Bush for 25 to 50 KVA	No.	353.72	1,907.22	No.	353.72	1,907.22		
27-44-a	Replacement of Transformer L.T bush for 25 to 50 KVA	No.	735.00	2,587.25	No.	735.00	2,587.25		
27-44-b	Replacement of transformer link of different KVS	No.	441.00	2,054.25	No.	441.00	2,054.25		
27-45	Replacement of S-Y-II unit for 25 to 100 KVA	No.	735.00	2,109.25	No.	735.00	2,109.25		
27-46	Replacement of transformer oil	Liter	102.90	312.02	Liter	102.90	312.02		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-47	Loading unloading of Transformer asper wapda specification & installation with cariage complete for 25 to 100 KVA	Job	1,470.00	6,369.50	Job	1,470.00	6,369.50		
27-48	Rubber packing 1/32" to 1/16"thick	No.	26.46	98.16	No.	26.46	98.16		
27-49	Replacement of gland dori	Rft	22.05	63.88	m	72.34	209.56		
27-50	Replacing of Kit kat grips 60 to 200 Amp	No.	183.75	1,498.25	No.	183.75	1,498.25		
27-51	Replacing of pressure gauge 0 to 500	No.	187.54	474.34	No.	187.54	474.34		
27-52	Flexsible conduct pipe 1-1/2" to 2"dia	Rft	61.30	103.12	m	201.11	338.33		
27-53	Replacing of clamps 3" to 6"s ize	No.	183.75	1,020.25	No.	183.75	1,020.25		
27-54	Submersible plate	No.	183.75	1,952.35	No.	183.75	1,952.35		
27-55	Cutting & threading MS column pipe of various size	Job	900.38	1,139.38	Job	900.38	1,139.38		
27-56-a	Replacing of single core cable of the following gauge (Copper): PVC Cable 7/064	Rft	46.01	112.93	m	150.95	370.51		
27-56-b	Replacing of single core cable of the following gauge (Copper): PVC Cable 7/052	Rft	46.01	99.79	m	150.95	327.38		
27-56-c	Replacing of single core cable of the following gauge (Copper): PVC Cable 19/052	Rft	91.88	199.43	m	301.43	654.28		
27-56-d	Replacing of single core cable of the following gauge (Copper): PVC Cable 19/064	Rft	91.88	211.38	m	301.43	693.49		
27-57-a	Replacing of 3 core submersible cable (copper) of the following gauge. 14/16mm.	Rft	91.88	195.84	m	301.43	642.52		
27-57-b	Replacing of 3 core submersible cable (copper) of the following gauge. 25 mm	Rft	137.89	472.49	m	452.38	1,550.15		
27-58-a	Replacing of 4 core cable of the following gauge PVC Cable 19/083	Rft	137.89	382.86	m	452.38	1,256.11		
27-58-b	Replacing of 4 core cable of the following gauge PVC Cable 19/064	Rft	137.89	323.11	m	452.38	1,060.08		
27-59	Test & develop tubewell of size 6" & above continuously up to 1.5 cuse cs (Air compressor)	Hr	344.53	762.78	Hr	344.53	762.78		
27-60	Disconnection of Illegal water connection, complete in all respects	Per Job	1,057.79	1,057.79	Per Job	1,057.79	1,057.79		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-61	Making holes upto 3" dia, 18" depth in cement concrete or stone masonry walls and repairing	Per Job	315.09	315.09	Per Job	315.09	315.09	6.1	
27-62	Replacing kallar eaten bricks	Each	44.10	55.93	Each	44.10	55.93	7.2.1.4	
27-63	Repairing corners of bridges & other hydraulic masonry works	Each	551.25	551.25	Each	551.25	551.25		
27-64	Rubbing and polishing old grit/mosaic floor, including repairing voids, uneven surface, complete	Sft	0.00	17.08	m2	0.00	183.74	10.9	Reduce the rate by 35 % and 40 % for labour and composite rate respectively if polishing is not done.
27-65	Rubbing & polishing grit floor, including repairing voids, uneven surface, complete	100 Sft	0.00	21.36	m2	0.00	2.30	10.9	Reduce the rate by 35 % and 40 % for labour and composite rate respectively if polishing is not done.
27-66	Racking and washing joints of stone masonry (old work)	100 Sft	918.75	918.75	m2	98.86	98.86	7.1.14	
27-67	Racking and washing joints of brick masonry (old work)	100 Sft	551.25	551.25	m2	59.31	59.31	7.1.14	
27-68-a	Petty repairs to Fire Place	Each	351.58	920.40	Each	351.58	920.40		
27-68-b	Petty repairs to Floor	Each	59.76	88.12	Each	59.76	88.12		
27-69-a-i	Removing and Fixing new approved heavy safety brass handle with necessary screws of the same metal : 6"-7" Size	Each	91.88	578.48	Each	91.88	578.48	12.19.20	
27-69-a-ii	Removing and Fixing new approved heavy safety brass handle with necessary screws of the same metal : 5" Size	Each	91.88	433.64	Each	91.88	433.64	12.19.20	
27-69-a-iii	Removing and Fixing new approved heavy safety brass handle with necessary screws of the same metal : 4" Size	Each	91.88	242.45	Each	91.88	242.45	12.19.20	
27-69-b-i	Removing and Fixing new approved heavy safety iron handle with necessary screws of the same metal : 5" Size	Each	91.88	133.46	Each	91.88	133.46	12.19.20	
27-69-b-ii	Removing and Fixing new approved heavy safety iron handle with necessary screws of the same metal : 4" Size	Each	91.88	126.53	Each	91.88	126.53	12.19.20	
27-69-b-iii	Removing and Fixing new approved heavy safety iron handle with necessary screws of the same metal : 6"-7" Size (Chromium Plated)	Each	91.88	230.49	Each	91.88	230.49	12.19.20	
27-70-a	Prfoving and Fixing approved curved or circular 5/8" dia rod handle upto 5" size with brass screws : Brass Handle	Each	91.88	199.43	Each	91.88	199.43	12.19.20	



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		Unit	Labour	Composite	Unit	Labour	Composite		
27-70-b	Prfoviding and Fixing approved curved or circular 5/8" dia rod handle upto 4" size with brass screws : Chromium Plated Handle	Each	91.88	187.48	Each	91.88	187.48	12.19.20	
27-71	Prfoviding and Fixing approved 6" size Fancy Brass Heavy Type door handle with plate and screws.	Each	367.50	519.50	Each	367.50	519.50	12.19.20	
27-72-a-i	Removing and Fixing new approved section hook and eye : Brass 6"	Each	91.88	808.88	Each	91.88	808.88	12.19.20	
27-72-a-ii	Removing and Fixing new approved section hook and eye : Brass 4"	Each	91.88	510.13	Each	91.88	510.13	12.19.20	
27-72-b-i	Removing and Fixing new approved section hook and eye : Galvanized Iron 6"	Each	91.88	301.00	Each	91.88	301.00	12.19.20	
27-72-b-ii	Removing and Fixing new approved section hook and eye : Galvanized Iron 4"	Each	91.88	271.13	Each	91.88	271.13	12.19.20	
27-73	Replacement of Aluminum door closer of approved quality	Each	110.25	3,097.75	Each	110.25	3,097.75	12.19.22	
27-74-a	Removing & refixing cleats for doors & windows including hinges and screws.	Each	73.50	304.54	Each	73.50	304.54	12.2	
27-74-b	Removing & refixing cleats with brass hooks for roof ventilators	Each	73.50	300.26	Each	73.50	300.26	12.2	
27-74-c	Removing & refixing Door stops of 1.5" dia rubber block	Each	12.20	724.42	Each	12.20	724.42	12.2	
27-74-d	Removing & refixing GI hook with clamps for doors	Each	3.97	180.83	Each	3.97	180.83	12.2	
27-75	Making deodar punkha pole 10'x6"x6"	Each	367.50	17,656.76	Each	367.50	17,656.76	12.1	
27-76	Dismantling and refixing eave boards	Rft	36.82	36.82	m	120.81	120.81	4.1	
27-77	Removing old paint from woodwork/steel with paint remover	100 Sft	208.25	270.99	m2	22.41	29.16	13.3.1	
27-78	Brushing & scraping blisters of old paints from woodwork	100 Sft	307.23	307.23	m2	33.06	33.06	13.3.1	
27-79	Scraping, brushing and removing old paint, from metal surface	100 Sft	1,470.00	1,470.00	m2	158.17	158.17	13.3.1	
27-80	Burning off or rubbing down with pumice stone, old paint from wood work	100 Sft	995.31	1,590.95	m2	107.10	171.19	13.3	
27-81	Removing with caustic soda,old paint from wood work	100 Sft	367.50	466.09	m2	39.54	50.15	13.3	
27-82	Removing paint or varnish from wall	100 Sft	735.00	735.00	m2	79.09	79.09	13.1.5	
27-83-a	Scraping of Khanki paint from barrage gates	100 Sft	88.20	260.88	m2	9.49	28.07	13.1	



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		Unit	Labour	Composite	Unit	Labour	Composite		
27-83-b	Scraping of Aluminium paint from barrage headworks	100 Sft	183.75	356.43	m2	19.77	38.35	13.1.5	
27-84	Scraping rust from old rails or girders	100 Sft	1,102.50	1,275.18	m2	118.63	137.21	13.1.5	
27-85	Chiselling old paint from brick work	100 Sft	1,470.00	1,642.68	m2	158.17	176.75	13.1.5	
27-86	Cleaning glasses with chalk and spirit etc	100 Sft	735.00	907.68	m2	79.09	97.67		
27-87	Cleaning and oiling rafter or rolled steel beams	100 Sft	367.50	397.16	m2	39.54	42.73		
27-88	Cleaning and painting punkha poles, including fixing hooks	Each	183.75	203.99	Each	183.75	203.99		
27-89	Repainting of ceiling fan (all sizes & types) incl painting of blades, canopy etc with syn. Enamel	Job	102.90	186.75	Job	102.90	186.75	13.9	
27-90	Repainting of iron poles with cross arms, with bitumen or other approved paint	Job	611.52	913.04	Job	611.52	913.04	13.1 , 13.9	
27-91-a	Repainting of pipes and specials of GI, MS or PVC conduit etc : Upto 1.5" i/d	100 RFT	735.00	1,671.89	m	24.11	54.85	13.1 , 13.9	
27-91-b	Repainting of pipes and specials of GI, MS or PVC conduit etc : From 1.5" to 2" i/d	100 RFT	1,470.00	3,102.10	m	48.23	101.78	13.1 , 13.9	
27-91-c	Repainting of pipes and specials of GI, MS or PVC conduit etc : From 2" to 4" i/d	100 RFT	2,440.20	4,853.33	m	80.06	159.23	13.1 , 13.9	
27-92	Repainting main switches & branch distribution boards of all sizes & types with approved paint	Job	44.10	164.85	Job	44.10	164.85	13.1 , 13.9	
27-93	Scarifying old road surface, including removal of debris within one chain	100 Sft	367.50	367.50	m2	39.54	39.54	3.9.3	
27-94	Repair to cracks to reinforced or plain cement concrete work by grouting with cement gun in (1:2) cement sand mortar including cutting the chase of required size.	100 Rft	3,123.75	4,294.25	m	102.49	140.89	16.9	
27-95	Dismantling bitumen carpet of any description from existing roads surface including its removal and disposal within 3 chains lead as desired.	100 Sft	735.00	735.00	m2	79.09	79.09	3.9.3	
27-96	Removing the existing worn out bitumaneous surface having pot holes and ruts in patches of regular shape brushing and re-carpeting with 1" thick (consolidated) asphalt macadam as per specifications.	100 Sft	1,580.25	6,074.24	m2	170.03	653.59	3.9.3 , 16.4.7	
27-97	Removing the existing worn out bitumaneous surface pot holes and ruts in patches of regular shape brushing and re-carpeting with 2" thick(consolidated) asphalt macadam as per specificaiton complete	100 Sft	1,727.25	8,064.09	m2	185.85	867.70	3.9.3 , 16.4.7	



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		Unit	Labour	Composite	Unit	Labour	Composite		
27-98	Removing of existing worn out bitumanius surface pot holes and ruts in patches and re-carpeting with 3" thick(consolidated) asphalt macadam as per specifiedcomplete including disposal of excavated stuff within one chain	100 Sft	2,168.25	10,328.15	m2	233.30	1,111.31	3.9.3 , 16.4.7	
27-99	Clarification existing Base/Sub base / ploughed to a specified depth in the drawings, and compacted specified density.	100 Sft	327.69	470.50	m2	35.26	50.63	3.9.3	
27-100	Tucking and chipping of road surface before hot surface dressing over existing road.	100 Sft	367.50	367.50	m2	39.54	39.54	3.9.3	
27-101	Repair to pot holes including cleaning, brushing, removal of loose material and filling of the same with clean stone of size 0.75" to 1.5" with hot bitumen manual compaction with rammer (water bound 3% biutmen)	100 Sft	2,418.15	6,287.77	m2	260.19	676.56	16.9	
27-102	Repairs to hand pump, pulling out & refitting	Rft	73.13	73.13	m	239.94	239.94		
27-103-a	Recaning of chairs/stools : With plastic cane.	kg	1,470.00	1,747.84	kg	1,470.00	1,747.84		
27-103-b	Recaning of chairs/stools : With willow cane.	kg	428.75	2,145.97	kg	428.75	2,145.97		
27-104-a	Dismantling removing and stacking of heavy design steel grill from compound wall & re-fixing painting complete.	Ton	167.58	167.58	Ton	167.58	167.58	4.1	
27-104-b	Removing, Repairing, re-fixing of wooden joinery i/c replacement of Deodar wooden strips, nail etc.	Sft	18.38	159.16	m2	197.71	1,712.59	12.14	
27-104-c	Repair of almirah/wardrobe i/c replacement of wooden strips, sheet, hinges where required complete in all respects.	Sft	2.20	25.37	m2	23.73	272.94	12.25.1.3	
27-105-a	Cleaning of choked manhole	Each	551.25	551.25	Each	551.25	551.25	14.5.6	
27-105-b	Cleaning of septic tank including disposal of waste	Cft	69.09	69.09	m3	2,439.89	2,439.89	14.5.6	
27-106	Preparing surface using chemical and applying lacquer polish finish with 3-coats on existing wooden joinery complete in all respects.	Sft	18.38	54.97	m2	197.71	591.44	13.1.5	
27-107	Removing, Repairing & Fixing of aluminium joinery i/c opening of frame with rubber packing complete	Each	183.75	456.02	Each	183.75	456.02	12.15	
27-108	Removing & re-fixing of wooden joinery (doors & windows) i/e addition and alteration complete	Sft	14.70	76.42	m2	158.17	822.31	12.2 , 12.14	
27-109-a	Removing of existing wire guaze & re-fixing GI wire gauze of 22 guage and 12 mesh per square inch complete in all respects	Sft	110.25	181.95	m2	1,186.29	1,957.78	4.1 ,12.12	



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		Unit	Labour	Composite	Unit	Labour	Composite		
27-109-b	Removing of existing wire guaze & re-fixing plastic wire gauze with 22 mesh per square inch complete in all respects	Sft	110.25	141.80	m2	1,186.29	1,525.75	4.1 ,12.12	
27-109-c	Removing of existing aluminum wire guaze & re-fixing Aluminum wire gauze of 30 guage and 14 mesh per square inch complete in all respects	Sft	110.25	134.15	m2	1,186.29	1,443.45	4.1 ,12.12	
27-110	Removing, repairing and re-Fixing of wooden (heavy) sheesham railing i/c rawal bolts, painting complete in all respects	Rft	271.95	590.58	m	892.22	1,937.61	12.28	
27-111	Removing and Re-Fixing of aluminium windows	Each	826.88	826.88	Each	826.88	826.88	12.26	
27-112-a	Repair of aluminium door/windows, fly sutter screen openable door or window R/q handle rubber, silicon complete in all respects	Sft	22.05	89.72	m2	237.26	965.42	12.26	
27-112-b	Repair of wooden wardrobe =of required wooden batten, hinges, hasp staple or commercial ply 3/4" shelf	Sft	110.25	127.62	m2	1,186.29	1,373.17	12.25.1.3	
27-112-c	Removing, repairing, cleaning, washing of vertical blind curtain & re-fixing complete	Each	111.02	474.25	Each	111.02	474.25		
27-113	Repair of doors/windows complete	Sft	33.08	74.11	m2	355.89	797.39	12.1 , 12.2	
27-114	Reinstatement Of Road Surface	1000 Cft	182.13	9,505.67	m3	6.43	335.69	16.9.5	
27-115	Repair / refixing of kitchen wall cabinet i/c commercial ply, new drawers, fancy handle, shutter etc required for painting.	Sft	275.63	779.72	m2	2,965.73	8,389.80	12.25	
27-116	Repairs to plaster of thickness 1/2" to 3/4" in cement sand mortar 1:4 patches of area 27 Sft and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 30 metres lead.	100 Sft	2,756.25	4,395.84	m2	296.57	472.99	11.1.2.4	



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		Unit	Labour	Composite	Unit	Labour	Composite		
27-117	Fixing door chowkat in existing opening including embedding chowkat in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 6"x4"x4", with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 aggregate), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of debris to the dumping ground within 30 meters lead.	Each	53.58	237.98	Each	53.58	237.98	12.2.1.5, 12.2.1.7, 12.2.1.8, 12.2.1.9	
27-118	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls and jambs complete, to match existing surface i/c disposal of debris to the nearest municipal dumping ground.	Sft	90.99	94.35	m2	979.08	1,015.19	4.5.6, 4.4.5	
27-119	Renewing wooden battens in roofs, including making good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground within 30 metres lead:	Cft	235.20	6,283.38	m3	8,306.02	221,895.78	12.4.1.3	
27-120	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground within 50 metres lead.	100 Sft	431.74	431.74	m2	46.46	46.46	11.2.2	
27-121	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sft	0.88	0.88	m2	9.49	9.49	11.5	
27-122	Removing distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sft	1.10	3.09	m2	11.86	33.22	11.8.2	
27-123	Painting on old G.I. sheet with synthetic enamel paint of approved quality of required colour to give an even shade:	Sft	7.28	9.34	m2	78.30	100.48	13.9	
27-124	Providing and fixing deodar wood First class wooden curtain rods 1" to 1.25" (25mm to 32mm) dia with end stay.	Rft	19.70	93.19	m	64.63	305.74	12.19.26	
27-125	Providing and fixing 3/4" (19mm) dia. approved Brass tubes with Brass sockets as curtain rods.	Rft	13.08	128.61	m	42.92	421.95	12.19.26	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-126	Providing and fixing 3/4" (19mm) dia. approved Chromium Plated Brass tubes with Chromium Plated Brass sockets as curtain rods.	Rft	13.08	136.68	m	42.92	448.42	12.19.26	
27-127	Providing and fixing Chromium Plated curtain rails with double roller runners, clamps, including cost of Chromium Plated brass screws and rawl plugs.	Rft	65.64	891.29	m	215.34	2,924.16	12.19.26	
27-128	Providing and fixing Aluminium curtain rails with double roller runners, clamps, including cost of screws and rawl plugs.	Rft	65.64	891.29	m	215.34	2,924.16	12.19.26	
27-129-a-i	Replacement of existing door lock with new door lock. : Rim Lock (Local)	Each	367.50	829.06	Each	367.50	829.06	12.18	
27-129-a-ii	Replacement of existing door lock with new door lock. : Heavy Duty Rim Lock	Each	367.50	1,844.52	Each	367.50	1,844.52	12.18	
27-129-a-iii	Replacement of existing door lock with new door handle lock of imported quality heavy duty	Each	367.50	2,829.19	Each	367.50	2,829.19	12.18	
27-129-c	Replacement of existing floor hinges with new floor hinges. : Floor Hinges	Each	735.00	6,889.26	Each	735.00	6,889.26	12.2.1.14	
27-130	Replacement of existing brass drawer and cupboard lock with brass screws.	Each	183.75	645.31	Each	183.75	645.31	12.19.18	
27-131-a	Replacement of existing finger plate with screws. : Aluminium finger plate 6" x 2.25"	Each	137.89	331.71	Each	137.89	331.71	12.19.25	
27-131-b	Replacement of existing finger plate with screws. : Brass finger plate 6" x 2.25"	Each	137.89	501.76	Each	137.89	501.76	12.19.25	
27-132-a-i	Replacement of existing approved helical brass spring hinges 6" (150mm) size with brass screws. : Single action	Each	119.51	646.27	Each	119.51	646.27	12.19.6	
27-132-a-ii	Replacement of existing helical brass spring hinges 6" (150mm) size with brass screws. : Double action	Each	147.00	906.78	Each	147.00	906.78	12.19.6	
27-132-b-i	Replacement of existing helical iron spring hinges 6" (150mm) size with iron screws. : Single action	Each	119.51	361.14	Each	119.51	361.14	12.19.6	
27-132-b-ii	Replacement of existing helical iron spring hinges 6" (150mm) size with iron screws. : Double action	Each	147.00	448.38	Each	147.00	448.38	12.19.6	
27-133-a	Replacement of existing piano hinges of sheet 3/4" (19mm) wide with brass screws. : Brass piano hinges	Each	367.50	426.77	Each	367.50	426.77	12.19.7	
27-133-b	Replacement of existing piano hinges of sheet 3/4" (19mm) wide with brass screws. : Iron piano hinges	Each	367.50	478.52	Each	367.50	478.52	12.19.7	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-134-a-i	Replacement of existing parliament hinges with screws. : Brass parliament hinges 5" x 5", 12 SWG	Each	110.25	328.46	Each	110.25	328.46	12.19.5	
27-134-a-ii	Replacement of existing parliament hinges with screws. : Brass parliament hinges 4" x 4", 12 SWG	Each	91.88	578.96	Each	91.88	578.96	12.19.5	
27-134-b-i	Replacement of existing parliament hinges with screws. : Iron parliament hinges 5" x 5", 12 SWG	Each	110.25	196.29	Each	110.25	196.29	12.19.5	
27-134-b-ii	Replacement of existing parliament hinges with screws. : Iron parliament hinges 4" x 4", 12 SWG	Each	91.88	165.96	Each	91.88	165.96	12.19.5	
27-135-a	Replacement of existing heavy type G.I tee hinges with screws. : Tee hinges 18"	Each	91.88	194.65	Each	91.88	194.65	12.19.8	
27-135-b	Replacement of existing heavy type G.I tee hinges with screws. : Tee hinges 12"	Each	110.25	201.07	Each	110.25	201.07	12.19.8	
27-135-c	Replacement of existing heavy type G.I tee hinges with screws. : Tee hinges 10"	Each	110.25	177.17	Each	110.25	177.17	12.19.8	
27-136-a-i	Replacement of existing tower bolts with screws of same metal. : Brass tower bolts of 6" Size	Each	91.88	157.00	Each	91.88	157.00	12.19.10	
27-136-a-ii	Replacement of existing tower bolts with screws of same metal. : Brass tower bolts of 9" Size	Each	91.88	194.65	Each	91.88	194.65	12.19.10	
27-136-a-iii	Replacement of existing tower bolts with screws of same metal. : Brass tower bolts of 12" Size	Each	91.88	246.03	Each	91.88	246.03	12.19.10	
27-136-b-i	Replacement of existing tower bolts with screws of same metal. :Chromium plated brass tower bolts of 6" Size	Each	91.88	431.85	Each	91.88	431.85	12.19.10	
27-136-b-ii	Replacement of existing tower bolts with screws of same metal. :Chromium plated brass tower bolts of 9" Size	Each	91.88	505.35	Each	91.88	505.35	12.19.10	
27-136-b-iii	Replacement of existing tower bolts with screws of same metal. : Chromium plated brass tower bolts of 12" Size	Each	91.88	700.13	Each	91.88	700.13	12.19.10	
27-136-c-i	Replacement of existing tower bolts with screws of same metal. : Aluminium tower bolts of 4" Size	Each	91.88	168.95	Each	91.88	168.95	12.19.10	
27-136-c-ii	Replacement of existing tower bolts with screws of same metal. : Aluminium tower bolts of 6" Size	Each	91.88	192.85	Each	91.88	192.85	12.19.10	
27-136-c-iii	Replacement of existing tower bolts with screws of same metal. : Aluminium tower bolts of 8" Size	Each	91.88	240.65	Each	91.88	240.65	12.19.10	
27-137-a-i	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Brass hasp and staple of Size 5"	Each	91.88	516.40	Each	91.88	516.40	12.19.18	



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		Unit	Labour	Composite	Unit	Labour	Composite		
27-137-a-ii	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Brass hasp and staple of Size 4"	Each	91.88	432.75	Each	91.88	432.75	12.19.18	
27-137-a-iii	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Brass hasp and staple of Size 3"	Each	91.88	337.15	Each	91.88	337.15	12.19.18	
27-137-a-iv	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Brass hasp and staple of Size 2"	Each	91.88	313.25	Each	91.88	313.25	12.19.18	
27-137-b-i	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Iron hasp and staple of Size 5"	Each	91.88	146.37	Each	91.88	146.37	12.19.18	
27-137-b-ii	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Iron hasp and staple of Size 4"	Each	91.88	140.39	Each	91.88	140.39	12.19.18	
27-137-b-iii	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Iron hasp and staple of Size 3"	Each	91.88	134.42	Each	91.88	134.42	12.19.18	
27-137-b-iv	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Iron hasp and staple of Size 2"	Each	91.88	128.44	Each	91.88	128.44	12.19.18	
27-137-c-i	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Chromium plated hasp and staple of Size 5"	Each	91.88	230.49	Each	91.88	230.49	12.19.18	
27-137-c-ii	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Chromium plated hasp and staple of Size 4"	Each	91.88	218.54	Each	91.88	218.54	12.19.18	
27-137-c-iii	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Chromium plated hasp and staple of Size 3"	Each	91.88	206.60	Each	91.88	206.60	12.19.18	
27-137-c-iv	Replacement of existing heavy duty safety hasp and staple with necessary screws of the same metal. : Chromium plated hasp and staple of Size 2"	Each	91.88	194.65	Each	91.88	194.65	12.19.18	
27-140-a	Servicing of window type AC	Job	367.50	965.00	job	367.50	965.00		
27-141-i	Gas charging for 2.0 Ton Split AC with R410 or equivalent gas	Job	367.50	5,147.50	job	367.50	5,147.50		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-141-a	Servicing for floor stand AC unit	Job	367.50	845.50	job	367.50	845.50		
27-141-b	Servicing of Split type AC	Job	1,102.50	1,819.50	job	1,102.50	1,819.50		
27-141-c	Supply and Replacement of compressor for 1.5 Ton Split AC	Job	1,323.00	16,858.00	job	1,323.00	16,858.00		
27-141-d	Supply and Replacement of compressor for 2.0 Ton Split AC	Job	1,323.00	20,443.00	job	1,323.00	20,443.00		
27-141-e	Supply and Replacement of compressor for 1.5 T Window AC	Job	1,102.50	16,637.50	job	1,102.50	16,637.50		
27-141-f	Supplay and Replacement of compressor for 2.0 T Window AC	Job	1,102.50	20,222.50	job	1,102.50	20,222.50		
27-141-g	Supply and fixing of compressor for Electric Water Cooler	Job	367.50	11,720.00	job	367.50	11,720.00		
27-141-h	Gas charging for 1.5 Ton Split AC with R410 or equivalent gas	Job	367.50	4,550.00	job	367.50	4,550.00		
27-141-j	Gas changing for 1.5 Ton Window AC with R410 or equivalent gas	Job	367.50	4,550.00	job	367.50	4,550.00		
27-141-k	Gas changing for 2.0 Ton Window AC with R410 or equivalent gas	Job	367.50	5,147.50	job	367.50	5,147.50		
27-141-l	Gas charging for Electric Water Cooler with R410 or equivalent gas	Job	367.50	4,550.00	job	367.50	4,550.00		
27-141-m	Gas charging for floor stand AC unit with R410 or equivalent gas	Job	441.00	5,221.00	job	441.00	5,221.00		
27-141-n	Repairing of PC Circuit Board complete for Split AC unit	Job	441.00	4,623.50	job	441.00	4,623.50		
27-142-a	Supply and replacement of PC Circuit Board complete for Split AC unit	Job	441.00	4,026.00	job	441.00	4,026.00		
27-142-b	Supply and Replacement of Sensor for Split AC unit	Job	441.00	1,516.50	job	441.00	1,516.50		
27-142-c	Supply and Replacement of running capacitor	Job	294.00	891.50	job	294.00	891.50		
27-142-d	Supply and Replacement of Insulation Copper pipe for Split AC unit	Job	147.00	505.50	job	147.00	505.50		
27-142-e	Supply and providing of Remote Control for Split AC unit	No	0.00	1,792.50	no	0.00	1,792.50		
27-142-f	Supply and fixing of drain pipe flexible for outdoor unit of split AC	Job	73.50	109.35	job	73.50	109.35		
27-142-g	Supply and fixing of fan motor for outdoor unit of split AC	Job	294.00	2,086.50	job	294.00	2,086.50		
27-142-h	Supply and fixing of fan motor for window AC unit	Job	220.50	2,013.00	job	220.50	2,013.00		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27-143	Supply and fixing of fan motor for Electric Water Cooler	Job	220.50	2,013.00	job	220.50	2,013.00		
27-144-a	Supply and fixing of steel bracket with rawal bolt best quality for AC	Job	147.00	1,342.00	job	147.00	1,342.00		
27-144-b	Supply and fixing of 110/76 - 3 core wire for split AC	Job	44.10	139.70	job	44.10	139.70		
27-145-a	Removing of window AC	Job	551.25	551.25	job	551.25	551.25		
27-145-b	Refixing of window AC	Job	551.25	551.25	job	551.25	551.25		
27-145-c	Removing of Split AC	Job	882.00	882.00	job	882.00	882.00		
27-145-d	Refixing of Split AC complete	Job	1,102.50	1,102.50	job	1,102.50	1,102.50		
27-146	Providing and fixing of contact relay for split AC complete	Job	147.00	4,329.50	job	147.00	4,329.50		



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Chapter #: 28 MISCELLANEOUS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
28-01	Supplying bamboo jhandies 10' to 12' with iron shoes and flags 15" square	Each	95.55	434.08	Each	95.55	434.08	16.8.16	
28-02	Supplying wooden pegs for levelling 1.5" square 6" long	100 No.	551.25	5,620.43	100 No.	551.25	5,620.43	16.8.16	
28-03	Supplying wooden pegs for alignment, 2" to 3" square, 9" long	100 No.	771.75	8,240.48	100 No.	771.75	8,240.48	16.8.16	
28-04	Fixing enamelled iron gauges flush with masonry including cost of hooks	Rft	92.17	105.91	m	302.39	347.48	14.7.3	
28-05	Supply & fix boundry pillars in position, including digging pits	Each	367.50	535.44	Each	367.50	535.44	16.8.14	
28-06	Fixing main line type distance mark in position including making 1:3:6 cement concrete base block	Each	286.65	767.66	Each	286.65	767.66	16.8.9	Composite rate does not include cost of iron distance marks.
28-07-a	Boring and fixing 1.5" dia pressure pipe in ordinary soil	Rft	107.68	107.68	m	353.27	353.27	24.3.4, 24.3.5	
28-07-b	Boring and fixing 1.5 dia pressure pipe in clay	Rft	218.66	218.66	m	717.40	717.40	24.3.4, 24.3.5	
28-07-c	Boring and fixing 1.5" dia pressure pipe in shingle	Rft	328.18	328.18	m	1,076.70	1,076.70	24.3.4, 24.3.5	
28-08	Fixing hand pump (machine only)	Each	294.00	294.00	Each	294.00	294.00		
28-09-a	Washing of Durries / Synthetic Matting	100 Sft	1,041.25	1,160.75	m2	112.04	124.90		Capacity of cart, 20 cubic feet
28-09-b	Washing of Bed Sheets	Each	449.82	509.57	Each	449.82	509.57		
28-09-c	Washing of Table Cloth / Napkins / Dusters etc	Each	65.60	77.55	Each	65.60	77.55		
28-10	Sweeping chimneys	Each	183.75	367.97	Each	183.75	367.97		
28-11	Cleaning of water tanks per gallon capacity	Per Gallon	0.44	1.68	Per Gallon	0.44	1.68		For capacity other than 400 gallons, the rate shall be work out on proper rate basis.
28-12	Cleaning and washing of bath rooms / toilets by using recommended chemicals i/c refilling of joints with grout material.	Each	110.99	134.88	Each	110.99	134.88		
28-13	Supplying manure	100 Cft	294.00	1,608.50	m3	103.83	568.04		Capacity of cart, 20 cubic feet
28-14	Spraying anti-termite liquid on Wood mixed with water of mixing ratio as per the manufacturer's certified manual (1 Spray = 10 Litre mixture)	per spray	104.13	2,497.30	per spray	104.13	2,497.30	3.11	
28-15	Pre anti Termite Treatment in the building mixed with water of mixing ratio as per the manufacturer's certified manual	100 Sft	18.12	868.73	m2	1.95	93.47	3.11.4	



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
28-16	Post anti Termite Treatment in the building mixed with water of mixing ratio as per the manufacturer's certified manual including boreholes as specified	100 Sft	18.12	1,107.73	m2	1.95	119.19	3.11.4	
28-17-a	Providing and Fixing barbed wire fencing with 4 horizontal & 2 cross wires : Without PCC base	Rft	345.82	493.04	m	1,134.57	1,617.60	16.8.11	
28-17-b	Providing and Fixing barbed wire fencing with 4 horizontal & 2 cross wires : With PCC 1:4:8 base 12"x12"x21"	Rft	345.82	537.35	m	1,134.57	1,762.96	16.8.11	
28-18	Providing and fixing with steel nails and washers, the chicken wire mesh of approved quality, at joint of concrete and masonry work (4" wide strip) before plastering etc complete.	Sft	15.62	83.52	m2	168.06	898.66		
28-19	Making notice board 1/2" thick of c/s mortar 1:3 with 2"x1/2" beading	100 Sft	1,837.50	3,009.79	m2	197.71	323.85		
28-20	Binding office books/registers.	Each	49.00	249.76	Each	49.00	249.76		
28-21	Cutting of Pipes upto 2" Dia	Per Cut	117.60	117.60	Per Cut	117.60	117.60	24.3.6.4	
28-22	Cutting of Pipes above 2" Dia upto 4" dia	Per Cut	221.97	221.97	Per Cut	221.97	221.97	24.3.6.4	
28-23	Providing and fixing of 1-1/2" thick Thermopore in cavity wall, including all necessary fittings complete in all respect .	100 Sft	551.25	956.53	m2	59.31	102.92	7.17	
28-24	Providing and fixing hot dipped galvanized fully glazed fixed steel sky light of Z section 1.25" (32.5 mm) width or as approved by Engineer incharge including iron lugs, cutting holes and making good the damages to walls.	Sft	105.69	690.49	m2	1,137.22	7,429.63		
28-25	Providing and placing of geotextile fabric as shown in the drawings as directed by the Engineer.	100 Sft	485.10	1,076.36	m2	52.20	115.82		
28-26-a	Providing and fixing 25 mm dia. 3 m long deformed steel dowel bars (Grade 60) with one end driven into 38 mm diameter 1.50 m deep hole drilled in bed rock and other end provided with L-bend for embedding in concrete / masonry of over flow / non-over flow blocks and other appurtenant works including cost of all materials, machinery, labour, drilling and cleaning hole, filling hole with specified cement mortar, driving anchor rod etc. complete with all lead and lifts.	Each	811.56	6,040.52	Each	811.56	6,040.52		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
28-26-b	Providing and fixing 25 mm dia. 2.75 m long ribbed/deformed steel bars (Grade 60) with one end split and driven firmly using steel wedge into 38 mm diameter 1.25 m deep hole drilled in bed rock and other end provided with L-bend for embedding in concrete / masonry for spillway and appurtenant works including cost of all materials, machinery, labour, steel wedge, drilling and cleaning hole, filling hole with thick cement slurry, driving anchor rod etc. complete with all lead and lifts.	Each	921.81	5,911.77	Each	921.81	5,911.77		
28-27-a	Drilling approximately 75 mm dia. holes by calyx or any other rotary process (except diamond drilling) through over burden providing black steel or suitable casing pipe, using casing shoe bit, vertical or inclined upto 10 degrees to vertical as directed including cost of all materials, machinery, labour, water charges, reaming, collection of wash samples/disturbed samples at suitable intervals, logging and labelling, supplying wooden core box, fixing casing pipes etc. complete. from depth (0 to 50 m), excluding cost of mobilization & demobilization.	Rft	441.00	3,129.75	m	1,446.85	10,268.21		
28-27-b	Drilling approximately 75 mm dia. holes by calyx or any other rotary process (except diamond drilling) through over burden providing black steel or suitable casing pipe, using casing shoe bit, vertical or inclined upto 10 degrees to vertical as directed including cost of all materials, machinery, labour, water charges, reaming, collection of wash samples/disturbed samples at suitable intervals, logging and labelling, supplying wooden core box, fixing casing pipes etc. complete. from depth (beyond 50 m), excluding cost of mobilization & demobilization.	Rft	661.50	3,350.25	m	2,170.28	10,991.63		



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Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
28-27-c	Drilling by diamond drilling, holes of minimum 75 mm dia. vertical or at specified inclination using diamond core drilling bit, double barrel tube in masonry, concrete or rock including cost of all materials, machinery, labour, water, collection of core samples, logging & labelling samples, supplying wooden core box and re-drilling in case of collapse of sides etc. complete. excluding cost of mobilization & demobilization. (For depth 0 to 50 m and inclined at 0° to 10° vertically downward)	Rft	441.00	4,026.00	m	1,446.85	13,208.66		
28-27-d	Drilling by diamond drilling, holes of minimum 75 mm dia. vertical or at specified inclination using diamond core drilling bit, double barrel tube in masonry, concrete or rock including cost of all materials, machinery, labour, water, collection of core samples, logging & labelling samples, supplying wooden core box and re-drilling in case of collapse of sides etc. complete. excluding cost of mobilization & demobilization. (For depth 0 to 50 m and inclined at 10° to 45° vertically downward)	Rft	529.20	4,711.70	m	1,736.22	15,458.33		
28-27-e	Drilling by diamond drilling, holes of minimum 75 mm dia. vertical or at specified inclination using diamond core drilling bit, double barrel tube in masonry, concrete or rock including cost of all materials, machinery, labour, water, collection of core samples, logging & labelling samples, supplying wooden core box and re-drilling in case of collapse of sides etc. complete. excluding cost of mobilization & demobilization. (For depth beyond 50 m and inclined at 0° to 10° vertically downward)	Rft	551.25	4,733.75	m	1,808.56	15,530.68		



GOVERNMENT OF KHYBER PAKHTUNKHWA

MRS CELL COMMUNICATION & WORKS DEPARTMENT

MARKET RATE SYSTEM - 2020

Chapter # : 28 MISCELLANEOUS

Item Code	Description	Rate (British System)			Rate (Metric System)			Spec. No	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
28-28	Topographic and cadastral survey for head works/Dams & other irrigation projects by using Total station GPS, etc. with minimum 30 number of point reading per acre, to generate 15mx15m grid and 0.5 m interval contours including transfer of entire data to computer system in different geo-referenced layers / themes using features of standard software, compatible with design software packages, including supply of soft and hard copies of point readings, including digitizing village maps and super imposing the contours on village map (scale 1 in 4000) including marking all permanent features like roads, cart tracks, existing canals, mosques, tanks, forest boundary and electric poles, etc. including marking of ridges and valleys on survey sheet including supply of 4 soft copies and 4 hard copies after approval of competent authority, preparation & submission of grid and L-section nallah etc. complete	Acre	339.33	458.83	ha	339.33	458.83		