

GOVERNMENT OF THE PUNJAB

FINANCE DEPARTMENT



MARKET RATES SYSTEM

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025)
DISTRICT ATTOCK

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CHAPTER NO.1 (CARRIAGE)

Note: 1 The rates are applicable to carriage of material on pacca roads only.
For kacha roads an allowance of 25% extra shall be allowed for 2nd and subsequent mileage (Km) rates. Rate upto 1st mile (1st Km) is however common to both kacha and pacca roads.

Note: 2 For hilly areas 80% above the rates in the plain areas shall be allowed for total mileage (Km) covered.

Note: 3 In case of articles longer than 15 ft. (4.6 m) carried in trucks, the following rates shall be allowed:-

i) Above 15 ft. to 25 ft. (4.6 to 7.6 m) :- Total rates to be paid for 15 ft. to 25 ft. (4.6 to 7.6 m) length will be 1.5 times of the rate given in the Composite Schedule of Rates.

ii) Above 25 ft. (7.6 m) :- The total rate to be paid for above 25 ft. (7.6 m) length will be 2 times of the rate given in the Composite Schedule of Rates.

The length measured shall not be the actual length, but the length of the form of consignment as actually received.

Note: 4 The term 'mile' (Km) whenever used is to mean statute mile (Km).

Note: 5 The rates include loading and unloading of material from the conveyance and stacking as directed.

Note: 6 The rates for carriage by boat or steamer shall be the same as by any other mechanical means on land.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.							16.1	Add 20% extra for the item "Recouping of Reserve Stock of stone for Flood Protection Work in Irrigation Department".
	1st chain (1st 30 m)	Chain	431.50		30M	431.50			
	2nd chain (2nd 30 m)	Chain	79.10		30M	79.10			
	3rd to 10th chain (60 to 300 m)	Chain	49.35		30M	49.35			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	484.70		300 M	484.70			
	1st Km				Km	360.25			
	2nd Km				Km	170.95			
	3rd Km				Km	133.05			
	4th Km				Km	94.05			
	5th Km				Km	87.60			
	6th Km				Km	86.15			
	7th Km				Km	80.25			
	8th Km				Km	79.35			
	9th Km				Km	74.45			
	10th Km				Km	69.70			
	11th Kms to 200Kms				Km	60.80			
	201 Kms to 250 Kms				Km	3.30			
	251 Kms & susequent Kms				Km	2.10			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
2	Carriage of 5 tons of all material like coal, stone lime (unslaked), etc. B.G. Rail fastenings, points and crossing, Bridge Girders, pipes, sheets, Rail, M.S. bars, etc. etc. by truck or any other means owned by the contractor.							16.1	Cement carried in containers other than bags will be paid according to this item. The word "pipes" covers G.I., C.I., R.C.C. and P.C.C.
	1st chain (1st 30 m)	Chain	431.50		30M	431.50			
	2nd chain (2nd 30 m)	Chain	79.10		30M	79.10			
	3rd to 10th chain (60 to 300 m)	Chain	49.35		30M	49.35			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft.	484.70		300M	484.70			
	1st Km				Km	360.25			
	2nd Km				Km	170.95			
	3rd Km				Km	133.05			
	4th Km				Km	94.05			
	5th Km				Km	87.60			
	6th Km				Km	86.15			
	7th Km				Km	80.25			
	8th Km				Km	79.35			
	9th Km				Km	74.45			
	10th Km				Km	69.70			
	11th Kms to 200Kms				Km	60.80			
	201 Kms to 250 Kms				Km	3.30			
	251 Kms & susequent Kms				Km	2.10			
3	Carriage of 100 maunds of fuel wood by truck or any other means owned by the contractor:							16.1	
	1st chain (1st 30 m)	Chain	431.50		30 M	431.50			
	2nd chain (2nd 30 m)	Chain	79.10		30 M	79.10			
	3rd to 10th chain (60 to 300 m)	Chain	49.35		30 M	49.35			
	1000 to 3000 ft. (300 to 900 m)	1000 ft	484.70		300 M	484.70			
	1st Km				Km	360.25			
	2nd Km				Km	170.95			
	3rd Km				Km	133.05			
	4th Km				Km	94.05			
	5th Km				Km	87.60			
	6th Km				Km	86.15			
	7th Km				Km	80.25			
	8th Km				Km	79.35			
	9th Km				Km	74.45			
	10th Km				Km	69.70			
	11th & subsequent Kms				Km	60.80			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
4	Carriage of 1000 Nos. bricks 10"x5"x3" (250x125x75 mm) or 1000 Nos. tiles 12"x6"x2" (300x150x50 mm) by truck or any other means owned by the contractor :- 1st chain (1st 30 m) 2nd chain (2nd 30 m) 3rd to 10th chain (60 to 300 m) 1000 to 3000 ft. (300 to 900 m) 1st Km 2nd Km 3rd Km 4th Km 5th Km 6th Km 7th Km 8th Km 9th Km 10th Km 11th & subsequent Kms	Chain Chain Chain 1000 Ft	431.50 79.10 49.35 484.70		30 M 30 M 30 M 300 M Km Km Km Km Km Km Km Km Km Km Km	431.50 79.10 49.35 484.70 360.25 170.95 133.05 94.05 87.60 86.15 80.25 79.35 74.45 69.70 60.80		ditto	Reduce the rate by 33% in case of carriage of 1000 Nos. tiles size 12"x6"x1¼" (300 x 150 x 30 mm).
5	Carriage of 100 cft. (2.83 cu.m) of all material like stone, aggregate, spawl, kankar lime(unslaked), surkhi, etc. or 150 cft. (4.25 cu.m) of timber, by means of material trolly. 1st chain (1st 30 m) 2nd chain to 10th chain (2nd 30 m to 300 m) 1000 to 3000 ft. (300 to 900 m) 1st Km 2nd Km 3rd Km 4th Km 5th Km 6th Km 7th Km 8th Km 9th Km 10th Km 11th Kms to 200Kms 201 Kms to 250 Kms 251 Kms & susequent Kms	Chain Chain 1000 Ft	431.50 79.10 484.70		30 M 30 M 300 M Km Km Km Km Km Km Km Km Km Km Km Km Km Km	431.50 79.10 484.70 295.45 227.45 124.30 98.45 87.05 83.70 70.85 70.10 65.75 61.55 55.45 3.30 2.10		16.1	Material trolly to be supplied by the Government and maintained and run by the contractor.
6	Carriage of 5 tons of all material like coal, stone lime (unslaked), etc. B.G. Rail fastening, points and crossing, Bridge girders, pipes, sheets, Rail, M.S. bars, etc. etc. by means of material trolly. 1st chain (1st 30 m) 2nd chain (2nd 30 m) 1000 to 3000 ft. (300 to 900 m) 1st Km	Chain Chain 1000 Ft.	431.50 79.10 484.70		30 M 30 M 300 M Km	431.50 79.10 484.70 295.45		16.1	Material trolly to be supplied by the Government and maintained and run by the contractor.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
7	2nd Km				Km	227.45		ditto	Material trolly to be supplied by the Government and maintained and run by the contractor.
	3rd Km				Km	124.30			
	4th Km				Km	98.45			
	5th Km				Km	87.05			
	6th Km				Km	83.70			
	7th Km				Km	70.85			
	8th Km				Km	70.10			
	9th Km				Km	65.75			
	10th Km				Km	61.55			
	11th Kms to 200Kms				Km	55.45			
	201 Kms to 250 Kms				Km	3.30			
	251 Kms & susequent Kms				Km	2.10			
	Carriage of 100 maunds of fuel wood, by means of material trolly.								
	1st chain (1st 30 m)	Chain	431.50		30 M	431.50			
	2nd chain (2nd 30 m)	Chain	79.1		30 M	79.10			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft	484.70		300 M	484.70			
	1st Km				Km	295.45			
	2nd Km				Km	227.45			
	3rd Km				Km	124.30			
	4th Km				Km	98.45			
	5th Km				Km	87.05			
	6th Km				Km	83.70			
	7th Km				Km	70.85			
	8th Km				Km	70.10			
	9th Km				Km	65.75			
	10th Km				Km	61.55			
	11th & subsequent Kms				Km	55.45			
8	Carriage of 1000 Nos. tiles 12" x6" x2" (300x150x50 mm), by means of material trolly.							ditto	Material trolly to be supplied by the Government and maintained and run by the contractor.
	1st chain (1st 30 m)	Chain	431.50		30 M	431.50		16.1	
	2nd chain (2nd 30 m)	Chain	79.10		30 M	79.10			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft	484.70		300 M	484.70			
	1st Km				Km	295.45			
	2nd Km				Km	227.45			
	3rd Km				Km	124.30			
	4th Km				Km	98.45			
	5th Km				Km	87.05			
	6th Km				Km	83.70			
	7th Km				Km	70.85			
	8th.				Km	70.10			
	9th Km				Km	65.75			
	10th Km				Km	61.55			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
9	11th & subsequent Kms				Km	55.45		ditto	
	Carriage of 1000 No. bricks, 9"x4½"x3" (225x113x75 mm) or 8"x4"x4" (200x100x100 mm) (nominal)								
	1st chain (1st 30 m)	Chain	353.54		30 M	353.54			
	2nd chain (2nd 30 m)	Chain	77.65		30 M	77.65			
	3rd to 10th chain (60 to 300 m)	Chain	40.50		30 M	40.50			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft	396.83		300 M	396.83			
	1st Km				Km	295.30			
	2nd Km				Km	139.80			
	3rd Km				Km	108.95			
	4th Km				Km	77.60			
	5th Km				Km	73.95			
	6th Km				Km	72.30			
	7th Km				Km	65.70			
	8th Km				Km	65.00			
10	9th Km				Km	60.95		16.1	
	10th Km				Km	57.05			
	11th & subsequent Kms				Km	49.65			
	Carriage of 1000 No. tiles 9"x4½"x1½" (225x113x38 mm).								
	1st chain (1st 30 m)	Chain	213.37		30 M	213.37			
	2nd chain (2nd 30 m)	Chain	39.07		30 M	39.07			
	3rd to 10th chain (60 to 300 m)	Chain	24.21		30 M	24.21			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft	239.73		300 M	239.73			
	1st Km				Km	178.25			
	2nd Km				Km	84.60			
	3rd Km				Km	65.85			
	4th Km				Km	46.45			
	5th Km				Km	43.05			
	6th Km				Km	42.35			
11	7th Km				Km	39.70		ditto	
	8th Km				Km	39.25			
	9th Km				Km	36.80			
	10th Km				Km	34.55			
	11th & subsequent Kms				Km	30.10			
	Carriage of 1 Cwt. (50 Kg) cement in bags.								
	1st chain (1st 30 m)	Chain	8.14		30 M	8.14			
	2nd chain (2nd 30 m)	Chain	0.97		30 M	0.97			
	3rd to 10th chain (60 to 300 m)	Chain	0.47		30 M	0.47			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft	4.78		300 M	4.78			
	1st Km				Km	4.45			
	2nd Km				Km	3.10			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
12	3rd Km				Km	1.40		16.1	
	4th Km and subsequent kilometers.				Km	0.85			
	Carriage of 100 Nos. empty cement bags including bundling.								
	1st 1000 (300 m) ft.	1000 Ft	118.91		300 M	118.91			
	1000 to 3000 (300 to 900 m) ft.	1000 Ft	14.80		300 M	14.80			
	1st Km				Km	10.85			
	2nd Km				Km	12.55			
13	3rd Km				Km	4.90		ditto	Previous lead of collection not to be deducted from the next lead of carriage.
	4th Km & subsequent Kms				Km	4.70			
	Carriage of 100 (2.83 cu.m) cft. of Sarkanda or pilchi, frash or brushwood, by boat or road :-								
	1st chain (1st 30 m)	Chain	176.53		30 M	176.53			
	2nd chain (2nd 30 m)	Chain	79.10		30 M	79.10			
	3rd to 10th chain (60 to 300 m)	Chain	24.21		30 M	24.21			
	1000 to 3000 ft. (300 to 900 m)	1000 Ft	199.13		300 M	199.13			
	1st Km				Km	172.25			
	2nd Km				Km	84.60			
	3rd Km				Km	65.85			
	4th Km				Km	46.45			
	5th Km				Km	43.05			
	6th Km				Km	42.35			
	7th Km				Km	39.70			
	8th Km				Km	39.25			
	9th Km				Km	36.80			
	10th Km				Km	34.55			
	11th Km & subsequent				Km	30.10			
14	Carriage of light machinery weighing upto 3 tonne upto 1000 ft. (300 metre)	Ton			Tonne			ditto	
	Exceeding 1000 to 5000 ft (300 to 1500metre)	1000 Ft	1440.73		300 M	1,440.73			
		1000 ft.	349.08		300 M	349.08			
	1st Km				Km	354.40			
	2nd Km				Km	166.85			
	3rd Km				Km	115.35			
	4th Km				Km	75.90			
	5th Km				Km	72.70			
	6th Km				Km	69.90			
	7th Km				Km	60.20			
	8th Km				Km	60.00			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
15	9th Km				Km	59.30		16.1	For consignment weighing 5 to 10 maunds, rate be increased by 25%; and for consignments weighing 10 to 20 maunds, rate be increased by 100%.
	10th Km				Km	47.35			
	11th Km & susequent				Km	43.35			
	Carriage of small consignments weighing upto 5 maunds (job rates) :								
	Upto 1000 ft. (300 metre)	Consigment/ 1000 ft.	117.00		Consigment/ 300 M	117.00			
	Exceeding 1000 to 3000 ft. (300 to 900 metre)	1000 ft.	80.23			80.23			
	1st Km	Consigment/Mile "			Consigment/ Km	55.45			
	1st mile		89.25		ditto	35.05			
	2nd Km				ditto	12.10			
	2nd mile and subsequent miles		18.35						
	3rd Km & subsequent								
16	Carriage of consignments job.								
	i) Cooly load for distance:-								
	a) Upto 5 Km	Each Consigment	115.40		Each Consigment	115.40			
	b) Above 5 to 13 Km	"	288.95		ditto	288.95			
	ii) Carriage of consignments odd jobs.								
	a) Donkey load for distance upto 500 feet.	Each Consigment	10.85		Each Consigment	10.85			
	b) Upto 1000 feet.	"	16.45		ditto	16.45			
	c) Upto ½ Mile/ 0.8 Km	"	20.80		ditto	20.80			
	d) Upto one Mile/ 1.6 Km	"	26.00		ditto	26.00			
	e) Upto three Miles/ 4.8 Km	"	45.95		ditto	45.95			
	f) Exceeding 3 Miles/ 16 km	"	82.25		ditto	82.25			
	iii) Cart load for a distance :-								
	a) upto 4 Miles/ 6.4 Km	Each Consigment	89.85		Each Consigment	89.85			
	b) Exceeding 4 Miles(6.4 Km) to10 Miles(16 Km)	"	163.55		ditto	163.55			
	iv) Camel load for a distance:-								
	a) upto 4 Miles/ 6.4 Km.)	"	66.45		ditto	66.45			
	b) exceeding 4 to 12 mills (6.4 Km to 19.2 Km)	"	100.75		ditto	100.75			
17	Hire charges of:-								1. This item will be allowed with prior concurrence of Superintending Engineer. 2. The rate includes pay of driver and cleaner only. The repairs shall be the responsibility of the owner and the cost of lubrication, fuel, loading and unloading shall be paid by the borrower.
	i) truck (10 Ton Capacity)	Per day	4000.00		Per day	4,000.00			
	ii) tractor with trolly	Per day	12104.00		Per day	1,000.00			
	iii) tractor without trolly	Per day	12104.00		Per day	800.00			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK	
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MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	11th Km & subsequent Km				Km	3.45			
iii)	6" (150 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	33.45		30 M	33.45			
	2nd chain (2nd 30 m)	Chain	6.15		30 M	6.15			
	3rd to 10th chain (60 to 300 m)	Chain	3.85		30 M	3.85			
	1000 to 9000 ft. (300 to 900 m)	1000 ft.	37.60		300 M	37.60			
	1st Km				Km	27.95			
	2nd Km				Km	13.25			
	3rd Km				Km	10.30			
	4th Km				Km	7.25			
	5th Km				Km	6.75			
	6th Km				Km	6.65			
	7th Km				Km	6.20			
	8th Km				Km	6.05			
	9th Km				Km	5.75			
	10th Km				Km	5.40			
	11th Km & subsequent Km				Km	4.95			
iv)	8" (200 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	56.65		30 M	56.65			
	2nd chain (2nd 30 m)	Chain	10.40		30 M	10.40			
	3rd to 10th chain (60 to 300 m)	Chain	6.50		30 M	6.50			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	63.60		300 M	63.60			
	1st Km				Km	47.30			
	2nd Km				Km	23.60			
	3rd Km				Km	17.80			
	4th Km				Km	12.55			
	5th Km				Km	11.70			
	6th Km				Km	11.50			
	7th Km				Km	10.70			
	8th Km				Km	10.45			
	9th Km				Km	9.05			
	10th Km				Km	2.65			
	11th Km & subsequent Km				Km	2.35			
v)	10" (250 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	76.1		30 M	76.10			
	2nd chain (2nd 30 m)	Chain	13.95		30 M	13.95			
	3rd to 10th chain (60 to 300 m)	Chain	8.70		30 M	8.70			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	85.50		300 M	85.50			
	1st Km				Km	63.55			
	2nd Km				Km	30.05			
	3rd Km				Km	23.35			
	4th Km				Km	16.45			

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	5th Km				Km	15.30			
	6th Km				Km	15.05			
	7th Km				Km	14.30			
	8th Km				Km	14.15			
	9th Km				Km	13.25			
	10th Km				Km	12.45			
	11th Km & subsequent Kms				Km	10.80			
vi)	12" (300 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	98.95		30 M	98.95			
	2nd chain (2nd 30 m)	Chain	18.15		30 M	18.15			
	3rd to 10th chain (60 to 300 m)	Chain	11.30		30 M	11.30			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	111.20		300 M	111.20			
	1st Km				Km	82.60			
	2nd Km				Km	40.05			
	3rd Km				Km	30.75			
	4th Km				Km	21.40			
	5th Km				Km	19.95			
	6th Km				Km	19.60			
	7th Km				Km	18.25			
	8th Km				Km	18.05			
	9th Km				Km	16.90			
	10th Km				Km	15.85			
	11th Km & subsequent Kms				Km	13.90			
vii)	16" (400 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	162.20		30 M	162.20			
	2nd chain (2nd 30 m)	Chain	29.75		30 M	29.75			
	3rd to 10th chain (60 to 300 m)	Chain	18.55		30 M	18.55			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	182.25		300 M	182.25			
	1st Km				Km	135.45			
	2nd Km				Km	64.50			
	3rd Km				Km	50.00			
	4th Km				Km	35.30			
	5th Km				Km	32.90			
	6th Km				Km	32.35			
	7th Km				Km	30.15			
	8th Km				Km	29.80			
	9th Km				Km	27.95			
	10th Km				Km	26.15			
	11th Km & subsequent Kms				Km	22.85			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	viii) 18" (450 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	208.45		30 M	208.45			
	2nd chain (2nd 30 m)	Chain	38.20		30 M	38.20			
	3rd to 10th chain (60 to 300 m)	Chain	23.85		30 M	23.85			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	234.15		300 M	234.15			
	1st Km				Km	174.00			
	2nd Km				Km	82.60			
	3rd Km				Km	64.30			
	4th Km				Km	45.45			
	5th Km				Km	42.35			
	6th Km				Km	41.60			
	7th Km				Km	38.75			
	8th Km				Km	38.30			
	9th Km				Km	35.95			
	10th Km				Km	33.65			
	11th Km & subsequent Kms				Km	29.30			
	ix) 20" (500 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	221.25		30 M	221.25			
	2nd chain (2nd 30 m)	Chain	40.55		30 M	40.55			
	3rd to 10th chain (60 to 300 m)	Chain	25.30		30 M	25.30			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	248.60		300 M	248.60			
	1st Km				Km	184.75			
	2nd Km				Km	87.65			
	3rd Km				Km	68.20			
	4th Km				Km	48.20			
	5th Km				Km	44.95			
	6th Km				Km	44.15			
	7th Km				Km	41.10			
	8th Km				Km	40.65			
	9th Km				Km	38.15			
	10th Km				Km	35.70			
	11th Km & subsequent Kms				Km	31.30			
	x) 24" (600 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	245.15		30 M	245.15			
	2nd chain (2nd 30 m)	Chain	44.95		30 M	44.95			
	3rd to 10th chain (60 to 300 m)	Chain	28.05		30 M	28.05			
	1000 to 5000 ft. (300 to 1500 m)	1000 ft.	275.40		300 M	275.40			
	1st Km				Km	204.70			
	2nd Km				Km	97.10			
	3rd Km				Km	75.55			
	4th Km				Km	53.90			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
20	5th Km				Km	49.75			
	6th Km				Km	48.90			
	7th Km				Km	45.55			
	8th Km				Km	45.05			
	9th Km				Km	42.25			
	10th Km				Km	39.55			
	11th Km & subsequent Kms				Km	34.45			
	Carriage of PVC pipes B.S.S. Class 'B' including loading, unloading and stacking (Rate per 1000 ft.) (300 metre) :-								
	i) 3" (75 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	33.40		30 M	33.40			
	2nd chain (2nd 30 m)	Chain	6.10		30 M	6.10			
	3rd to 10th chain (60 to 300 m)	Chain	3.80		30 M	3.80			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	37.50		300 M	37.50			
	1st Km				Km	27.85			
	2nd Km				Km	13.20			
	3rd Km				Km	10.30			
	4th Km				Km	7.30			
	5th Km				Km	6.80			
	6th Km				Km.	6.65			
	7th Km				Km	6.20			
	8th Km				Km	6.10			
	9th Km				Km	5.70			
	10th Km				Km	5.35			
	11th Km & subsequent Kms				Km	4.85			
	ii) 4" (100 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	51.45		30 M	51.45			
	2nd chain (2nd 30 m)	Chain	9.45		30 M	9.45			
	3rd to 10th chain (60 to 300 m)	Chain	5.90		30 M	5.90			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	57.80		300 M	57.80			
	1st Km				Km	42.95			
	2nd Km				Km	20.55			
	3rd Km				Km	15.90			
	4th Km				Km	11.15			
	5th Km				Km	10.35			
	6th Km				Km	10.20			
	7th Km				Km	9.50			
	8th Km				Km	9.40			
	9th Km				Km	8.80			
	10th Km				Km	8.25			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
iii)	11th Km & subsequent Kms				Km	7.60			
	5" (125 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	70.20		30 M	70.20			
	2nd chain (2nd 30 m)	Chain	12.85		"	12.85			
	3rd to 10th chain (60 to 300 m)	Chain	8.05		"	8.05			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	78.85		300 M	78.85			
	1st Km				Km	58.60			
	2nd Km				"	27.95			
	3rd Km				"	21.80			
	4th Km				"	15.45			
	5th Km				Km.	14.20			
	6th Km				"	13.95			
	7th Km				"	12.95			
	8th Km					12.85			
	9th Km					12.05			
	10th Km					11.30			
	11th Km & subsequent Kms					9.90			
iv)	6" (150 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	96.75		30 M	96.75			
	2nd chain (2nd 30 m)	Chain	17.75		30 M	17.75			
	3rd to 10th chain (60 to 300 m)	Chain	11.05		30 M	11.05			
	1000 to 3000 ft. (300 to 300 m)	1000 ft.	108.70		300 M	108.70			
	1st Km.				Km	80.80			
	2nd Km				Km.	38.35			
	3rd Km				Km.	29.85			
	4th Km				Km.	21.10			
	5th Km				Km.	19.65			
	6th Km				Km.	19.30			
	7th Km				Km.	18.00			
	8th Km				Km.	17.80			
	9th Km				Km.	16.70			
	10th Km				Km.	15.65			
	11th Km & subsequent Kms				Km.	13.65			
v)	8" (200 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	169.65		30 M	169.65			
	2nd chain (2nd 30 m)	Chain	31.10		30 M	31.10			
	3rd to 10th chain (60 to 300 m)	Chain	19.40		30 M	19.40			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	190.60		300 M	190.60			
	1st Km				Km	141.65			
	2nd Km				Km	67.25			
	3rd Km				Km	52.30			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	4th Km				Km	37.00			
	5th Km				Km	34.45			
	6th Km				Km	33.85			
	7th Km				Km	31.55			
	8th Km				Km	31.20			
	9th Km				Km	29.25			
	10th Km				Km	27.35			
	11th Km & subsequent Kms				Km	23.85			
vi)	10" (250 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	263.10		30 M	263.10			
	2nd chain (2nd 30 m)	Chain	48.25		30 M	48.25			
	3rd to 10th chain (60 to 300 m)	Chain	30.10		30 M	30.10			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	295.55		300 M	295.55			
	1st Km				Km	219.65			
	2nd Km				Km	104.25			
	3rd Km				Km	81.15			
	4th Km				Km	57.35			
	5th Km				Km	53.40			
	6th Km				Km	52.50			
	7th Km				Km	48.90			
	8th Km				Km	48.35			
	9th Km				Km	45.35			
	10th Km				Km	42.45			
	11th Km & subsequent Kms				Km	37.10			
vii)	12" (300 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	370.35		30 M	370.35			
	2nd chain (2nd 30 m)	Chain	67.90		30 M	67.90			
	3rd to 10th chain (60 to 300 m)	Chain	42.40		30 M	42.40			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	416.05		300 M	416.05			
	1st Km				Km	309.20			
	2nd Km				Km	146.75			
	3rd Km				Km	114.20			
	4th Km				Km	80.70			
	5th Km				Km	75.20			
	6th Km				Km	73.95			
	7th Km				Km	68.85			
	8th Km				Km	68.10			
	9th Km				Km	63.90			
	10th Km				Km	59.80			
	11th Km & subsequent Kms				Km	52.25			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
21	viii) 14" (350 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	482.10		30 M	482.10			
	2nd chain (2nd 30 m)	Chain	88.40		30 M	88.40			
	3rd to 10th chain (60 to 300 m)	Chain	55.15		30 M	55.15			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	541.60		300 M	541.60			
	1st Km				Km	402.50			
	2nd Km				Km	191.00			
	3rd Km				Km	148.65			
	4th Km				Km	105.05			
	5th Km				Km	97.85			
	6th Km				Km	96.20			
	7th Km				Km	89.60			
	8th Km				Km	88.60			
	9th Km				Km	83.15			
	10th Km				Km	77.85			
	11th Km & subsequent Kms				Km	68.05			
	Carriage of PVC pipes B.S.S. Class 'D' including loading, unloading and stacking (Rates per 1000 ft.):-								
	i) 2" (50 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	24.40		30 M	24.40			
	2nd chain (2nd 30 m)	Chain	4.50		30 M	4.50			
	3rd to 10th chain (60 to 300 m)	Chain	2.80		30 M	2.80			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	27.40		300 M	27.40			
	1st Km				Km	20.40			
	2nd Km				Km	9.65			
	3rd Km				Km	7.55			
	4th Km				Km	5.30			
	5th Km				Km	4.95			
	6th Km				Km	4.85			
	7th Km				Km	4.55			
	8th Km				Km	4.50			
	9th Km				Km	4.20			
	10Km				Km	3.90			
	11th Km & subsequent Kms				Km	3.45			
	ii) 2½" (63 mm) i/d pipes:-								
	1st chain (1st 30 m)	Chain	38.00		30 M	38.00			
	2nd chain (2nd 30 m)	Chain	6.95		30 M	6.95			
	3rd to 10th chain (60 to 300 m)	Chain	4.35		30 M	4.35			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	42.65		300 M	42.65			
	1st Km				Km	31.70			
	2nd Km				Km	15.10			
	3rd Km				Km	11.75			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	4th Km				Km	8.30			
	5th Km				Km	7.75			
	6th Km				Km	7.65			
	7th Km				Km	7.10			
	8th Km				Km	6.80			
	9th Km				Km	6.50			
	10Km				Km	6.05			
	11th Km & subsequent Kms				Km	5.35			
iii)	3" (75 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	52.65		30 M	52.65			
	2nd chain (2nd 30 m)	Chain	9.65		30 M	9.65			
	3rd to 10th chain (60 to 300 m)	Chain	6.00		30 M	6.00			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	59.15		300 M	59.15			
	1st Km				Km	43.95			
	2nd Km				Km	20.85			
	3rd Km				Km	16.25			
	4th Km				Km	11.50			
	5th Km				Km	10.70			
	6th Km				Km	10.55			
	7th Km				Km	9.80			
	8th Km				Km	9.70			
	9th Km				Km	9.00			
	10th Km				Km	8.40			
	11th Km & subsequent Kms				Km	7.45			
iv)	4" (100 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	87.10		30 M	87.10			
	2nd chain (2nd 30 m)	Chain	15.95		30 M	15.95			
	3rd to 10th chain (60 to 300 m)	Chain	9.95		30 M	9.95			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	97.85		300 M	97.85			
	1st Km				Km	72.75			
	2nd Km				Km	34.50			
	3rd Km				Km	26.85			
	4th Km				Km	19.00			
	5th Km				Km	17.70			
	6th Km				Km	17.40			
	7th Km				Km	16.25			
	8th Km				Km	16.00			
	9th Km				Km	15.00			
	10th Km				Km	14.00			
	11th Km & subsequent Kms				Km	12.40			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
22	v) 5" (125 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	130.20		30 M	130.20			
	2nd chain (2nd 30 m)	Chain	23.85		30 M	23.85			
	3rd to 10th chain (60 to 300 m)	Chain	14.90		30 M	14.90			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	146.25		300 M	146.25			
	1st Km				Km	108.70			
	2nd Km				Km	51.60			
	3rd Km				Km	40.15			
	4th Km				Km	28.35			
	5th Km				Km	26.45			
	6th Km				Km	26.00			
	7th Km				Km	24.20			
	8th Km				Km	23.95			
	9th Km				Km	22.45			
	10th Km				Km	20.90			
	11th Km & subsequent Kms				Km	18.45			
	vi) 6" (150 mm) i/d pipes-								
	1st chain (1st 30 m)	Chain	187.60		30 M	187.60			
	2nd chain (2nd 30 m)	Chain	34.40		30 M	34.40			
	3rd to 10th chain (60 to 300 m)	Chain	21.45		30 M	21.45			
	1000 to 3000 ft. (300 to 900 m)	1000 ft.	210.75		300 M	210.75			
	1st Km				Km	156.60			
	2nd Km				Km	74.35			
	3rd Km				Km	57.85			
	4th Km				Km	40.90			
	5th Km				Km	38.05			
	6th Km				Km	37.45			
	7th Km				Km	34.85			
	8th Km				Km	34.45			
	9th Km				Km	32.35			
	10th Km				Km	30.30			
	11th Km & subsequent Kms				Km	26.55			
22	Hand shunting loaded Railway wagons or trucks:-								
	a) upto ¼ mile/ ¼ Km	Each	529.60		Each	331.00			
	b) upto ½ mile/ ½ Km	No	958.70		No	599.20			
	c) upto ¾ mile/ ¾ Km	"	1294.30		"	808.95			
	d) upto 1 (1.6 Km) mile	"	1540.20		"	962.65			
	e) 2nd mile and subsequent miles/ 2nd and subsequent kilometres	Each No/Mile	1003.30		Each No/Km	627.05			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK									
Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
23	Hand shunting empty Railway wagons or trucks.								
a)	upto ¼ mile/ ¼ Km	Each	307.20		Each	192.00			
b)	upto ½ mile/ ½ Km	No.	509.00		No.	318.15			
c)	upto ¾ mile/ ¾ Km	"	671.20		"	419.50			
d)	upto 1 mile/ 1 Km	"	805.65		"	503.55			
e)	2nd mile and subsequent miles/ 2nd and subsequent kilometres	Each No/Mile	492.60		Each No/Km	307.90			



Finance Department

2. LOADING, UNLOADING & STACKING

1 The rate for loading into and unloading from mobile trucks, trollies and boats, etc. will be the same as for Railway wagons.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Loading or unloading into or from Railway wagons, lead within one chain, (30m) shingle, sand, ballast, surkhi, ashes, kankar, brick bats, coal, lime or 1,000 Nos. tiles size 12"x6"x2" (300x150x50 mm) or 9"x4½"x1½" (225x113x37mm) properly laid & stacked.	100 Cft.	1504.80		P.Cu.m	531.50			
2	Loading or unloading bricks into or from Railway wagons laid and stacked, lead within one chain:-								
	a) Bricks 10" (250 mm) size.	1000 Nos.	1881.00		1000 Nos.	1881.00			
	b) Bricks 9" (225 mm) or smaller size.	1000 Nos.	1504.80		1000 Nos.	1504.80			
3	Loading or unloading into or from Railway wagons cement in bags (from inside or outside the godown) and stacking within one chain (30 m)	100 Bags	1881.00		100 Bags	1881.00			
4	Loading or unloading into or from Railway wagons empty cement bags (from inside or outside the godown) and stacking.	100 Nos.	180.60		100 Nos.	180.60			
5	Loading or unloading into or from Railway wagons (from inside or outside the godown) and stacking, white lime in bags.	100 Mds.	1128.60		100 Kg	30.25			
6	Loading or unloading into or from Railway wagons Structural Steel, R.S. joists, broad, narrow or meter gauge rail and rail fastenings, etc.	Per Tonne	902.90		Per Tonne	888.60			
7	Loading or unloading 45 gallon (204.57 Litres) drums full into or from Railway wagons, lead upto one chain.	Each	112.85		Each	112.85			
8	Loading or unloading packages of all sorts, upto one Cwt (50 Kg).	Each	56.45		Each	56.45			Except cement in jute or paper bags.
9	Loading or unloading sleepers other than wooden, including stacking lead within one chain:-								
	a) Broad gauge sleepers	100 Nos.	3762.00		100 Nos.	3762.00			
	b) Metre gauge and narrow gauge sleepers.	100 Nos.	1881.00		100 Nos.	1881.00			
10	Loading or unloading timber logs or timber for shuttering, into or from Railway wagons of any gauge, including stacking lead within one chain (30 m)	Per Ton	470.25		Per Tonne	462.8			
11	Loading or unloading bhoosa in Railway wagons lead upto 150 ft. (45 m)	100 Mds.	4514.4		100 Kg	120.95			
12	Loading or unloading timber scrap or wooden plugs, into or from Railway wagons, and stacking within one chain lead.	Per Ton	752.40		Per Tonne	740.50			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
13	Loading or unloading pitching stone or spawl from Railway wagons of any gauge (including clearing 5 ft. (1500 mm) away from the rail).	100 Cft.	556.80		cu.m	196.65			
14	Loading or unloading building stone (including clearing 5 ft. (1.5 m) away from rails).	100 Cft.	722.30		cu.m	255.10			
15	Unloading oil, bitumen tar, etc.								
	a) Crude oil (to be pumped from tank wagon into tank).	1000 Gallon	1881.00		100 litres	41.40			
	b) Crude oil (drained by gravity).	1000 Gallon	1881.00		100 litres	41.40			
	c) Crude oil materials from railway wagons.	100 Cft.	240.75		cu.m	85.05			
	d) Fuel oil from tank into empty drums, including stacking within one chain (30 m).	Per Ton	668.80		Per Tonne	658.25			
	e) Petrol (2 gallon tin)	100 Nos.	948.00		100 Nos.	948.00			The rate includes checking and weighing the tins.
	f) Kerosene oil (4 gallon tin)	100 Nos.	1881.00		100 Nos.	1881.00			
16	Removing and stacking within one chain (30 m) lead:								
	a) Stone, spawl, brick bats, shingle, sand, lime, surkhi, ashes, kankar and coat, etc.	100 Cft.	752.40		cu.m	265.75			
	b) Bricks.	1000 Nos.	2006.40		1000 Nos.	2006.40			
	c) Broad gauge wooden sleepers.	100 Nos.	1203.85		100 Nos.	1203.85			
	d) Metre gauge or narrow gauge wooden sleepers.	100 Nos.	716.55		100 Nos.	716.55			
	e) Rails girders, pipes, cement etc.	Per Ton	334.40		Per Tonne	329.10			
	f) Bridge and crossing timbers, etc.	100 No.	4012.80		100 No.	4012.80			
17	Loading into wagons girders, rails, permanent way material (except wooden sleepers) iron work, M.S. bars, pipes, etc. including lead one chain (30 M) and stacking inside wagons.	Per Ton	752.40		Per Tonne	740.50			
18	Unloading from wagons girders, rails, permanent way material (except wooden sleepers) iron work, M.S. bars, pipes, etc. lead upto one chain (30 m) but excluding stacking.	Per Ton	429.95		Per Tonne	423.15			
19	Loading into wagons wooden broad gauge sleepers, including one chain (30 m) lead and stacking,.	100 Nos.	3009.60		100 Nos.	3009.60			
20	Unloading wooden broad gauge sleepers from wagons, including one chain (30 m) lead and stacking.	100 Nos.	1433.15		100 Nos.	1433.15			
21	Loading metre gauge or narrow gauge wooden sleepers, including one chain (30 m) lead and stacking inside wagons.	100 Nos.	1504.80		100 Nos.	1504.80			

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22	Unloading metre gauge or narrow gauge wooden sleepers, including one chain (30 m) lead but excluding stacking.	100 Nos.	792.00		100 Nos.	792.00			
23	Loading bridge and crossing timbers, including one chain (30 m) lead and stacking.	100 Nos.	6019.20		100 Nos.	6019.20			
24	Unloading bridge and crossing timbers, including one chain (30 m) lead but excluding stacking.	100 Nos.	3009.60		100 Nos.	3009.60			
25	Loading or unloading bitumen, asphalt or tar in drums, into or from railway wagons, lead upto one chain (30 m).	Per Ton	451.45		Per Tonne	444.30			



Finance Department

CHAPTER NO.3 (EARTHWORK EXCAVATION & EMBANKMENT)

- 1 Special allowances for the hardness, wetness and slush:-
The grant of allowances for hard, very hard, wet and slush will be subject to Superintending Engineer's approval. Specific instructions regarding grant of such allowances may be issued by the various Administrative Departments and Statutory Bodies. The earth requiring repeated blows of Kassi to break it and of which dry bulk density is not less than 1.5, will be treated as hard.
- 2 Deduction for shrinkage from bank measurements:-
The following allowances should be provided for material which is not rammed, or equally consolidated:-
 - a) Deduction for shrinkage from the bank measurements when the earthwork is done by manual labour..... 10%
 - b) Deduction for settlement from the bank measurement when the earthwork is done by machines..... 3 to 6%

Before the work is let out to be done by tractors, scrapers, etc. deduction ranging between 3% to 6% should be agreed to with the contractors.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
1	Earthwork excavation undressed lead upto a single throw of Kassi, phaoorah or shovel:-							17.1 to 17.5	
	i) In ashes, sand, soft soil or silt clearance.	1000 Cft.	5,643.00	--	Per Cum	199.30	--		
	ii) In ordinary soil.	1000 Cft.	6,771.60	--	Per Cum	239.15	--		
2	Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre) through mechanical means	1000 Cft.	8,276.40	--	Per Cum	292.30	--	17.1 to 17.5	
3	Bed clearance and dressing slopes of drains to required sections including the removal of weeds, roots, etc. disposal of excavated materials within 50 ft. (15 metre) lead.							17.1 to 17.5	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 1 or 2 above, whichever is applicable. the drains of each category.
	a) Excavated material undressed.	1000 Cft.	10,533.60	--	Per Cum	372.05	--		
	b) Excavated material dressed in the specified manner.	1000 Cft.	11,369.95	--	Per Cum	401.60	--		
4	Borrowpit excavation undressed lead upto 100 ft (30 metre).								
	a) Ordinary soil	1000 Cft.	10,533.60	-	Per Cum	372.05	-		
	b) Hard soil	1000 Cft.	12,941.30	-	Per Cum	457.10	-		
5	Earthwork in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing, mixing and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:-							* 411-1 to 411-13 and 301-1 & 202-3	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.
	i) 95% to 100% maximum modified AASHTO dry density.	1000 Cft.	1,131.00	9,681.40	Per Cum	39.95	341.95		
	ii) 90% maximum modified AASHTO dry density.	1000 Cft.	1,131.00	9,338.50	Per Cum	39.95	329.85		
	iii) 85% maximum modified AASHTO dry density.	1000 Cft.	1,131.00	8,465.10	Per Cum	39.95	299.00		
6	Regular excavation dressed.	1000 Cft.	7,760.00	--	Per Cum	274.10	--	* 411-2	
7	Earthwork excavation in open cutting for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:-							17.1 to 17.5	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	1) Upto 5' (1.5 meter) depth								
	A) By Manual								
	i) Ordinary	1000 Cft.	13,186.80	13,345.80	Per Cum	465.75	471.35		
	ii) Hard	1000 Cft.	15,594.50	15,753.45	Per Cum	550.80	556.40		
	iii) Very Hard	1000 Cft.	18,152.65	18,311.60	Per Cum	641.15	646.75		
	iv) Gravel & Shingle	1000 Cft.	30,507.85	30,666.80	Per Cum	1,077.55	1,083.15		
	B) By Mechanical means								
	i) Ordinary	1000 Cft.	4,926.25	11,485.95	Per Cum	174.00	405.70		
	ii) Hard	1000 Cft.	4,926.25	12,470.75	Per Cum	174.00	440.45		
	iii) Very Hard	1000 Cft.	4,926.25	13,455.55	Per Cum	174.00	475.25		
	iv) Gravel & Shingle	1000 Cft.	4,926.25	18,728.30	Per Cum	174.00	661.50		
	1) From 5.01 ft. (1.5 m) to 10.0 ft. (3.0 m) depth								
	C) By Manual								
	i) Ordinary	1000 Cft.	14,311.45	14,627.65	Per Cum	505.50	516.65		
	ii) Hard	1000 Cft.	16,719.10	17,035.35	Per Cum	590.50	601.70		
	iii) Very Hard	1000 Cft.	19,277.30	19,593.50	Per Cum	680.85	692.05		
	iv) Gravel & Shingle	1000 Cft.	33,137.30	33,453.50	Per Cum	1,170.40	1,181.60		
	D) By Mechanical means								
	i) Ordinary	1000 Cft.	4,926.25	12,470.75	Per Cum	174.00	440.45		
	ii) Hard	1000 Cft.	4,926.25	13,947.95	Per Cum	174.00	492.65		
	iii) Very Hard	1000 Cft.	4,926.25	15,178.95	Per Cum	174.00	536.10		
	iv) Gravel & Shingle	1000 Cft.	4,926.25	21,930.75	Per Cum	174.00	774.60		
8	Excavation in shingle or gravel formation and rock, not requiring blasting, undressed lead upto 100 ft (30 m).							17.1 to 17.5	
	i) Dry	1000 Cft.	28,591.20	--	Per Cum	1,009.85	--		
	ii) Wet	1000 Cft.	33,105.60	--	Per Cum	1,169.30	--		
	iii) In flowing water	1000 Cft.	42,134.40	--	Per Cum	1,488.20	--		
9	Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 100 ft. (30 m) lead:-							17.1 to 17.5	
	i) Ordinary	1000 Cft.	5,974.60	--	Per Cum	211.00	--		
	ii) Hard	1000 Cft.	6,762.45	--	Per Cum	238.85	--		
	iii) Very hard	1000 Cft.	7,550.30	--	Per Cum	266.70	--		
	iv) Gravel & shingle	1000 Cft.	9,600.45	--	Per Cum	339.10	--		
10	Earthwork in excavation of drains, irrigation channels through excavator / drag lines in all kind of soil and conditions(dry,wet slush,dal dal and under water) including its disposal and preparation of working pad for operation of machinery. (Rates includes 100 ft lead)	1000 Cft.	--	4,640.70	Per Cum	--	163.90		
11	Excavation in rock dressed to designed section, grades and profiles, excavated material disposed off within 100 ft. (30 m) and lift upto 5'-0" (1.5 m).							17.1 to 17.5	Tools and plants shall be the liability of the contractor.
	a) Soft rock, slate, shale, schist laterite work, with pick and crow bar.	1000 Cft.	28,670.40	--	Per Cum	1,012.65	--		
	b) Medium hard rock, requiring occasional blasting.	1000 Cft.	46,468.20	47,130.60	Per Cum	1,641.25	1,664.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
12	a) Excavation in hard rock requiring blasting and disposal of excavated material (blasted material) upto 50 ft. (15 m) lead, (including dressing and leveling to designed section, etc. complete).							17.1 to 17.5	1) Tools and plants required shall be the liability of the Contractor 2) Reduce the rate by 8% if the excavated section is not dressed or levelled to designed section.
	i) Grade I	1000 Cft.	27,466.55	28,128.95	Per Cum	970.10	993.50		
	ii) Grade II	1000 Cft.	29,826.70	30,930.70	Per Cum	1,053.50	1,092.45		
	iii) Grade III	1000 Cft.	35,695.45	37,020.25	Per Cum	1,260.75	1,307.55		
	iv) Grade IV	1000 Cft.	39,679.20	41,224.80	Per Cum	1,401.45	1,456.05		
	v) Grade V	1000 Cft.	43,845.10	45,611.50	Per Cum	1,548.60	1,611.00		
	vi) Grade VI	1000 Cft.	47,076.50	49,063.70	Per Cum	1,662.75	1,732.95		
	b) Excavation in hard rock requiring blasting, but blasting prohibited, and disposal of excavated material within 50 ft. (15 m) lead (including dressing and levelling to designed section, etc. complete):-							17.1 to 17.5	1) Tools and plants required shall be the liability of the contractor. 2) Reduce the rate by 8% if the excavated section is not dressed or levelled to designed section.
	i) Grade I	1000 Cft.	54,933.10	56,257.90	Per Cum	1,940.25	1,987.05		
	ii) Grade II	1000 Cft.	59,653.45	61,861.45	Per Cum	2,106.95	2,184.95		
	iii) Grade III	1000 Cft.	71,390.90	74,040.50	Per Cum	2,521.55	2,615.10		
	iv) Grade IV	1000 Cft.	79,358.40	82,449.60	Per Cum	2,802.95	2,912.10		
	v) Grade V	1000 Cft.	87,690.25	91,223.05	Per Cum	3,097.20	3,222.00		
	vi) Grade VI	1000 Cft.	94,152.95	98,127.35	Per Cum	3,325.50	3,465.85		
13	Rehandling of earthwork:								
	a) Lead upto a single throw of Kassi, phaorah or shovel	1000 Cft.	3,762.00	--	Per Cum	132.85	--	17.1 to 17.5	
	b) Upto a lead of 50 ft. (15 m).	1000 Cft.	5,266.80	--	Per Cum	186.00	--		
14	Rehandling of gravel work or excavated rock, lead upto 50 ft. (15 m)	1000 Cft.	15,048.00	--	Per Cum	531.50	--	17.1 to 17.5	
15	Filling, watering and ramming earth under floors:-							17.1 to 17.5	
	i) with surplus earth from foundation, etc.	1000 Cft.	7,547.75	--	Per Cum	266.60	--		
	ii) with new earth excavated from outside, lead upto one chain (30 m).	1000 Cft.	16,023.75	--	Per Cum	565.95	--		
16	Extra for every 50 ft. (15 m) additional lead or part thereof :-								This rate shall be applicable upto 1000 ft. total distance, including the lead covered in the item of earthwork
	i) for earhtwork soft, ordinary, hard and very hard.	1000 Cft.	134.15	--	Per Cum	4.75	--		
	ii) for gravel, shingle or rock.	1000 Cft.	159.80	--	Per Cum	5.65	--		
17	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m)								This rate will be paid in addition to the rate of earthwork, without deducting the lead covered in the item of earthwork
	a) upto ¼ mile (400 m).	1000 Cft.	6,677.80	--	Per Cum	235.85	--		
	b) for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	1000 Cft.	73.40	--	Per Cum	2.60	--		
	c) for every ¼ mile (400 m) additional lead or part thereof, beyond one mile (1.6 Km.) upto 5 mile (8 Km).	1000 Cft.	375.50	--	Per Cum	13.25	--		
	d) for every ½ mile (800 m) additional lead or part thereof, beyond 5 miles (8 Km).	1000 Cft.	357.45	--	Per Cum	12.65	--		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
18	Dressing and levelling of earhtwork to designed section, etc. complete:- a) Ashes, sand, silt or soft soil. b) Ordinary or hard soil. c) Gravel work or soft rock not requiring blasting.	1000 Cft.	484.70	--	Per Cum	17.10	--	17.10 to 17.5	
		1000 Cft.	940.90	--	Per Cum	33.25	--		
		1000 Cft.	2,273.05	--	Per Cum	80.30	--		
19	Dowel dressing.	Per Chain	442.20	--	Per Metre	14.50	--	17.1 to 17.5	This rate is in addition to payment for dressed earhtwork.
20	a) Dressing slopes of banks or ground surface.	100Sft.	197.20	--	Per Sqm	21.20	--	17.1 to 17.5	To be paid only when exclusively dressing is done and no earthwork is carried out in embankment or cutting.
	b) Dressing of earthwork (done by machinery or otherwise and left undressed) to designed section.	100Sft.	353.95	--	Per Sqm	38.10	--		i) 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.
21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) depth upto 5 ft (1.5m). 1) By Manual i) in sand, ashes or loose soil ii) in ordinary soil. iii) in hard soil or soft murum. 2) a) By Excavator i) Sand,ashes or loose soil ii) Ordinary soil iii) Hard soil or Soft murum b) Depth from 5ft (1.5m) to 15 ft (4.5 m):- i) Sand,ashes or loose soil ii) Ordinary soil iii) Hard soil or Soft murum c) Depth above 15 ft (4.5 m):- i) Sand,ashes or loose soil ii) Ordinary soil iii) Hard soil or Soft murum	1000 Cft.	13,559.05	--	Per Cum	478.90	--	17.1 to 17.5	i) If refilling is not required, reduce labor rate item No. 21(1) by Rs. 1,504.80 %0 Cft or 53.15 P. Cum and surplus earth will be adjusted accordingly. ii) If refilling is not required, reduce following: Labour Rate Composite Rate 1504.80 %0 Cft or 1504.80 %0 Cft 1504.80 %0 Cft or 1504.80 %0 Cft 1504.80 %0 Cft or 1504.80 %0 Cft 1881.00 %0 Cft or 1881.00 %0 Cft 1881.00 %0 Cft or 1881.00 %0 Cft 1881.00 %0 Cft or 1881.00 %0 Cft 2257.20 %0 Cft or 2257.20 %0 Cft 2257.20 %0 Cft or 2257.20 %0 Cft 2257.20 %0 Cft or 2257.20 %0 Cft
		1000 Cft.	15,824.15	--	Per Cum	558.90	--		
		1000 Cft.	17,709.10	--	Per Cum	625.50	--		
		1000 Cft.	4,514.40	6,744.00	Per Cum	159.25	237.95		
		1000 Cft.	8,276.40	10,639.90	Per Cum	292.00	375.40		
		1000 Cft.	8,652.60	11,670.05	Per Cum	305.25	411.70		
		1000 Cft.	5,266.80	8,053.80	Per Cum	185.80	284.15		
		1000 Cft.	9,781.20	12,735.60	Per Cum	345.10	449.30		
		1000 Cft.	10,157.40	13,929.20	Per Cum	358.35	491.40		
		1000 Cft.	6,019.20	9,363.60	Per Cum	212.35	330.35		
		1000 Cft.	11,286.00	14,831.30	Per Cum	398.15	523.25		
		1000 Cft.	11,662.20	16,188.35	Per Cum	411.45	571.15		
22	Cutting hard rock such as granite, ballast, hard lime stone or sand stone, etc. with chisels and hammers, for small foundations.	1000 Cft.	119,639.50	133,304.25	Per Cum	4,225.65	4,708.30	17.1 to 17.5	Tools and plants required shall be the liability of the contractor.
23	Extra for excavation requiring shoring.	1000 Cft.	1,980.00	2,512.20	Per Cum	69.95	88.75	17.1 to 17.5	Composite rate includes materials,i.e. plank, etc.
24	Compaction of earthwork (soft, ordinary or hard soil) :- a) Mixing, moistening earth to optimum moisture content in layers for compaction, etc. complete. b) Compaction by rolling with animal driven roller/hand rammed:	1000 Cft.	1,777.25	--	Per Cum	62.75	--	17.1 to 17.5	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	i) soft or sandy soil	1000 Cft.	2,257.20	--	Per Cum	79.70	--		1) The rate does not include hire charges of the roller.
	ii) ordinary soil	1000 Cft.	2,633.40	--	Per Cum	93.00	--		2) Roller to be 'supplied by the Government
	iii) hard soil	1000 Cft.	3,009.60	--	Per Cum	106.30	--		
	iv) admixture of shingle	1000 Cft.	3,385.80	--	Per Cum	119.60	--		
	c) Ramming earthwork (all types of soil).	1000 Cft.	2,257.20	--	Per Cum	79.70	--		
	d) Ramming earthwork behind retaining walls.	1000 Cft.	3,009.60	--	Per Cum	106.30	--		
25	Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete:							17.1 (a) * 411-5 and 202-3	The rate also includes hire charges of machinery, cost of fuel, lubricant, pay of driver and cleaner, etc.
	i) 95% to 100% maximum modified AASHTO dry density.	1000 Cft.	--	1,702.75	Per Cum	-	60.15		
	ii) 90% maximum modified AASHTO dry density.	1000 Cft.	--	1,437.50	Per Cum	-	50.75		
	iii) 85% maximum modified AASHTO dry density.	1000 Cft.	--	1,172.25	Per Cum	-	41.40		
26	Extra for wet earthwork.	1000 Cft.	5,266.80	--	Per Cum	186.00	--	17.1 to 17.5	That will support a man's weight.
27	Extra for slush or Daldal including dewatering.	1000 Cft.	12,038.40	--	Per Cum	425.20	--	17.1 to 17.5	That will not support a man's weight.
28	Extra for puddling.	1000 Cft.	9,428.75	--	Per Cum	333.00	--	17.1 to 17.5	
29	Earthwork on small rain water drains, along canal banks, roads and plantation drains, dressed, etc. complete.	100 Rft.	1,429.55	--	P. Metre	46.90	--	17.1 to 17.5	
30	Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead upto 50 ft. (15 m).	1000 Cft.	13,543.20	--	Per Cum	478.35	--	17.1 to 17.5	
31	Dag bailing 3" (75 mm) deep.	Per mile	5,620.30	--	Per Km	3,493.05	--	17.1 to 17.5	Dag bailing for layout of borrow pit, to be done by contractors at their own cost.
32	Turfing slopes of banks or lawns with grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	100Sft.	2,508.00	--	Per Sqm	269.85	--	17.1 to 17.5	
33	Turfing lawns (excluding cost of turf).	100 Sft.	633.60	--	Per Sqm	68.20	--		
34	Berm cutting:-							17.1 to 17.5	
	a) lead upto a single throw of Kassi, phaora or shovel (without dressing).	1000 Cft.	6,771.60	--	Per Cum	239.15	--		
	b) upto 50 ft(15 m)lead (including dressing).	1000 Cft.	12,054.25	--	Per Cum	425.75	--		
35	Berm trimming both sides of channels:-							17.1 to 17.5	
	a) upto 3½ ft. (1.06 m) depth.	Per Mile	17,582.40	--	Per Km.	10,989.00	--		
	b) exceeding 3½ ft. to 5 ft. (1.06 to 1.5 m) depth.	Per Mile	24,822.60	--	Per Km.	15,514.15	--		
	c) exceeding 5 ft. to 8 ft. (1.5 to 2.4 m) depth	Per Mile	38,629.80	--	Per Km.	24,143.65	--		
36	Ploughing and levelling borrowpits.							17.1 to 17.5	Area ploughed to be measured.
	i) upto 3 ft. (0.9 m) depth.	Per Acre	3,762.00	--	Per Hect.	9,296.10	--		
	ii) above 3 ft. (0.9 m) depth.	Per Acre	7,524.00	--	Per Hect.	18,592.20	--		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
37	Making boundary or service roads, including dag-belling, leveling and dressing: i) in unploughed land: a) from 10.0 ft. to 20.0 ft. (3 to 6 m) wide. b) from 20.1 ft. to 40.0 ft. (6.10 to 12 m) wide. ii) in ploughed land: a) from 10.0 ft. to 20.0 ft. (3 to 6 m) wide. b) from 20.1 ft. to 40.0 ft. (6.10 to 12 m) wide.	Per Chain Per Chain	1,887.60 2,521.20	-- --	Per Metre Per Metre	61.90 82.70	-- --	17.1 to 17.5	
38	Earthwork by boats, including hire of boats:- i) Digging and loading into boats, upto 50 ft. (15 m) lead. ii) Carriage by boats upto 10 chains (300 m). iii) Extra for every additional one chain (30 m) or part thereof beyond 10 chains (300 m). iv) Unloading earth from boats.	1000 Cft. 1000 Cft. 1000 Cft. 1000 Cft.	11,286.00 2,855.75 300.95 5,266.80	-- -- -- --	Per Cum Per Cum Per Cum Per Cum	398.60 100.85 10.65 186.00	-- -- -- --	17.1 to 17.5	For ordinary soil.
39	Unloading earth from B.G. trucks and clearing 5 ft. (1.5 m) from rail.	1000 Cft.	4,514.40	--	Per Cum	159.45	--	17.1 to 17.5	
40	Earthwork by tramway, digging and loading in trucks, upto 50 ft. (15 m) lead.	1000 Cft.	10,533.60	--	Per Cum	372.05	--	17.1 to 17.5	
41	Unloading earth from B.G. trucks and spreading upto 15 ft. (4.5 m) from rail.	1000 Cft.	8,464.50	--	Per Cum	298.95	--	17.1 to 17.5	
42	Supplying clean and screened river or pit sand within 5 chains (150 m).	100Cft.	1,472.90	1,527.90	Per Cum	520.25	539.65	17.1 to 17.5	The rate includes:- i) removal of top crust of earth over burden ii) royalty to the government or cost to the private owner.
43	Earth work excavation in open cutting for water supply lines, sewers and manholes including backfilling, shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water i/c back filling in all types of soil except shingle, gravel and rock, complete in all respect. i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth ii) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depth iii) above 15.0 ft. (4.5 m) depth	1000 Cft. 1000 Cft. 1000 Cft.	11,843.25 18,530.80 20,338.55	17,352.30 24,966.45 26,419.30	Per Cum Per Cum Per Cum	418.30 654.50 718.35	612.90 881.80 933.15	17.1 to 17.5 ** 13.1 & 13.4	If wooden planks, beams and struts are not used at site, the Composite Rates may be reduced by Rs. 5,489.80 %0 Cft or 193.90 P.Cum 6,418.75 %0 Cft or 226.70 P.Cum 6,067.25 %0 Cft or 214.30 P.Cum
44	Earthwork excavation in open cutting for water supply pipelines, sewer lines and manholes as shown in drawing including backfilling, shuttering of wooden vertical planks, struts and beams, including dressing to correct section and dimensions according to templates and levels and removing surface water in all type of soil except shingle, gravel and rock, complete in all respect by mechanical means. a) 0 ft. to 7.0 ft. (0 to 2.10 m) depth i) Sand, ashes or loose soil ii) Ordinary soil	1000 Cft. 1000 Cft.	4,177.80 5,983.55	7,405.70 9,345.40	Per Cum Per Cum	147.55 211.35	226.30 294.80		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit of M/ment	Labour	Composite	Unit of M/ment	Labour	Composite		
	iii) Hard soil or soft murum	1000 Cft.	8,316.00	12,331.75	Per Cum	293.70	400.30		
	b) 7-01 ft. to 15.0 ft. (2.15 to 4.5 m) depth								
	i) Sand, ashes or loose soil	1000 Cft.	5,150.40	9,663.70	Per Cum	181.90	280.40		
	ii) Ordinary soil	1000 Cft.	7,407.60	12,086.35	Per Cum	261.65	366.00		
	iii) Hard soil or soft murum	1000 Cft.	10,041.00	15,645.45	Per Cum	354.65	491.70		
	c) above 15.0 ft. (4.5 m) depth								
	i) Sand, ashes or loose soil	1000 Cft.	5,526.60	10,591.65	Per Cum	195.20	313.30		
	ii) Ordinary soil	1000 Cft.	8,160.00	13,425.95	Per Cum	288.20	413.45		
	iii) Hard soil or soft murum	1000 Cft.	11,169.60	17,416.40	Per Cum	394.50	554.35		
45	Earthwork excavation of trenches in open cutting for sewers and manhole chambers, etc. below sub-soil water level to correct section and dimensions according to templates and levels, including backfilling, shoring, timbering and shuttering of M.S. sheets on both sides of the trenches:							17.1 to 17.5 **13.3 & 13.5	
	i) 0 ft. to 4.0 ft. (0 to 1.20 m) depth below SSWL.	1000 Cft.	17,443.80	24,594.10	Per Cum	616.10	868.65		
	ii) 4.01 ft. to 8.0 ft. (1.22 to 2.4 m) depth below SSWL.	1000 Cft.	21,807.05	31,481.65	Per Cum	770.25	1,111.95		
	iii) Exceeding 8 ft. (2.4 m) depth below SSWL.	1000 Cft.	32,710.60	43,340.40	Per Cum	1,155.35	1,530.80		
46	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines/electric cables upto 5 ft. (1.5 m) depth from ground level, including backfilling, trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	1000 Cft.	11,293.90	--	Per Cum	398.90	--	17.1 to 17.5 **8.1	
47	Cutting and removing trees within a distance of 100 ft. (30 m)								
	a) upto 2½ ft. (150mm-760 mm) girth.	Each	2,237.40	--	Each	2,237.40			Upto 150mm girth already covered in item of clearing & grubbing.
	b) above 2½ ft. to 6 ft. (760 to 1800 mm) girth.	Each	4,356.00	--	Each	4,356.00			
48	Uprooting stump and removing within 100 ft. (30 m) from 2 ft. to 6 ft. (600 to 1800 mm) girth.	Each	2,821.50	--	Each	2,821.50			
49	Jungle clearance and removing within 100 ft. (30 m).							17.1	
	a) Ordinary	1000 Sft.	376.20	--	Per Sqm	4.05	--		
	b) Heavy	1000 Sft.	752.40	--	Per Sqm	8.10	--		
50	Uprooting Sarkanda growth and disposal within 100 ft. (30 m)	100Sft.	180.60	--	Per Sqm	19.45	--		
51	Ploughing 3 times.	Per Acre	1,528.30	--	Per Hect.	3,776.55	--		
52	Leveling, dressing and making lawns.	100 Sft.	752.40	--	Per Sqm	80.95	--		
53	Clearing and Grubbing	1000 Sft.	940.50	4,616.90	Per Sqm	10.10	49.70	*** 3-1	
54	Compaction of natural ground	1000 Sft.	940.50	3,024.75	Per Sqm	10.10	32.55	*** 4-6	

* Specification number correspond to Book of "Specification for Road & Bridge Construction, 1971".

** Specification number correspond to Book of "Building & Roads Department Specification Vol. II, 1966 (Public Health Works).

*** Specification number correspond to Book of "Specification for Road & Bridge Construction, 2022"

CHAPTER NO.4 (DISMANTLING / DEMOLITION)

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 The rates for dismantling roofs or upper storey floor, include the dismantling of all materials, except roof supports such as beams and trusses.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	<u>Stone Work</u>								
1	Dismantling dry stone masonry.	100Cft.	1,279.10		Per Cum	451.80		18.1	
2	Dismantling stone masonry in mud mortar.	100Cft.	1,881.00		Per Cum	664.35		ditto	
3	Dismantling stone masonry in lime or cement mortar.	100Cft.	4,514.40		Per Cum	1,594.50		ditto	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively.
4	a) Dismantling dry stone or spawl pitching.	100Cft.	2,257.20		Per Cum	797.25		ditto	
	b) Dismantling stone or spawl pitching (mud grouted).	100Cft.	2,859.10		Per Cum	1,009.85		ditto	
5	Dismantling stone or spawl pitching and apron in silted condition.	100Cft.	3,762.00		Per Cum	1,328.75		ditto	
6	Dismantling stone pitching, cement or lime grouted.	100Cft.	6,019.20		Per Cum	2,126.00		ditto	
7	Dismantling stone in crates:								
	a) wooden crates	100Cft.	3,009.60		Per Cum	1,063.00			
	b) wire crates	100Cft.	3,762.00		Per Cum	1,328.75			
8	Dismantling stone ware drain including base concrete.	100Cft.	2,106.70		Per Cum	744.10		ditto	
	<u>Brick Work</u>								
9	Dismantling mud/pise walling.	100Cft.	752.40		Per Cum	265.75		18.1	
10	Dismantling sun dried brick masonry.	100Cft.	1,881.00		Per Cum	664.35		ditto	
11	Dismantling dry brick masonry.	100Cft.	1,279.10		Per Cum	451.80		ditto	
12	Dismantling brick work in mud mortar.	100Cft.	2,633.40		Per Cum	930.10		18.1	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No. 12, 13, 14 & 15.
13	Dismantling brick work in lime or cement mortar.	100Cft.	6,395.40		Per Cum	2,258.85		ditto	
14	Dismantling cement block masonry.	100Cft.	5,643.00		Per Cum	1,993.10		ditto	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15	Dismantling Dhajji walling. <u>Concrete</u>	100Cft.	1,504.80		Per Cum	531.50		18.1	
16	Dismantling mud concrete.	100Cft.	3,009.60		Per Cum	1,063.00		ditto	
17	Dismantling lime concrete.	100Cft.	4,138.20		Per Cum	1,461.60			Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against item No. 17, 19 & 20.
18	Dismantling lime or cement concrete, under water.	100Cft.	15,800.40		Per Cum	5,580.70			
19	a) Dismantling cement concrete plain 1:4:8. b) Dismantling cement concrete plain 1:3:6. c) Dismantling cement concrete 1:2:4 plain. d) Dismantling cement concrete with brick aggregate. e) Dismantling D.P.C. of cement concrete 1½" thick (40 mm) and clearing the site.	100Cft. 100Cft. 100Cft. 100Cft. 100Cft.	8,276.40 13,543.20 16,552.80 4,514.40 2,257.20		Per Cum Per Cum Per Cum Per Cum Per Cum	2,923.25 4,783.45 5,846.45 1,594.50 797.25		ditto	
20	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same. <u>Roofing</u>	100Cft.	27,086.40		Per Cum	9,566.90		ditto	
21	Dismantling sirki sarkanda or thatched roofing, supported on battens or bellies.	100Sft.	902.90		Per Sqm	97.15		18.1	
22	a) Dismantling 1st class tile roofing. b) Dismantling 2nd class tile roofing.	100Sft. 100Sft.	2,257.20 1,881.00		Per Sqm Per Sqm	242.90 202.40		ditto	Add extra 13%, 32 and 51% on labour rate only for 2nd, 3rd, 4th and subsequent floors respectively against items No. 22, 25, 26 and 28.
23	Dismantling from any height, asbestos sheets and ridge coping.	100Sft.	1,227.60		Per Sqm	132.10		18.1	
24	a) Dismantling roof of wooden planks and battens, from any height. b) Dismantling wooden ceiling above 20' (6.0 m) height in difficult position, including lifting with care and special scaffolding along live electric wires and with machines underneath.	100Sft. 100Sft.	982.10 3,849.10		Per Sqm Per Sqm	105.65 414.15		ditto ditto	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25	Dismantling jack arch roofing, including removal of joists.	100Sft.	3,009.60		Per Sqm	323.85		18.1	
26	Dismantling R.B. roof complete with mud and plaster, including separating reinforcement, cleaning and straightening the same.	100Sft.	3,762.00		Per Sqm	404.80		ditto	
27	a) Stripping and stacking slate or tiles from the truss roofing.	100Sft.	1,881.00		Per Sqm	202.40			
	b) Stripping and stacking C.I. sheet roof.	100Sft.	1,732.90		Per Sqm	186.45			
	c) Extra for dismantling C.I. sheet roof above 20 ft. (6m) in difficult position, including lifting with special scaffolding along live electric wire with machine underneath.	100Sft.	2,277.00		Per Sqm	245.00			
28	Dismantling slates or tiles including battens, purlins and planking.	100Sft.	3,009.60		Per Sqm	323.85		18.1	
	Flooring								
29	Dismantling brick or flagged flooring without concrete foundation.	100Sft.	1,279.10		Per Sqm	137.65		18.1	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against items No. 29 and 30.
30	Dismantling plank or wooden block flooring, etc.	100Sft.	1,881.00		Per Sqm	202.40		ditto	
31	Disjoining R.C.C. pipes inside the trench and dismantling and removing the pipes from the trench and stacking them outside:-								i) The rate does not include the cost of excavation and refilling of trench, or the demolition of any masonry or brick work.
	a) 6" to 12" (150 to 300 mm) diameter	Per Rft	49.10		Per Metre	161.05			
	b) 13" to 24" (325 to 600 mm) diameter	Per Rft	79.20		Per Metre	259.80			
	c) 25" to 36" (625 to 900 mm) diameter	Per Rft	92.75		Per Metre	304.20			
	d) Above 36" (Above 900 mm) diameter	Per Rft	132.00		Per Metre	432.95			ii) Bends, elbows, sluice valves, etc. should not be paid for extra if fixed in the length of pipe line that is being dismantled.
	WOOD WORK								
32	a) Removing door with chowkat.	Per No.	638.55		Per No.	638.55		18.1	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against items No. 32, 33, 34, 35 & 36.
	b) Removing windows and sky lights with chowkat.	ditto	497.00		ditto	497.00			
33	Removing ventilators and wooden sunshade, etc.	Per No.	260.35		Per No.	260.35		ditto	
34	a) Dismantling wooden beams upto 12' (3.65m) length.	Per No.	470.25		Per No.	470.25		ditto	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) Dismantling wooden beams from 12.1' to 23' (3.65 to 7.0 m) length.	Per No.	752.40		Per No.	752.40			
35	a) Dismantling wooden partition Jaffry work etc.	100Sft.	876.85		Per Sqm	94.35		18.1	
	b) Dismantling wooden trusses.	100Kg	2,663.40		100Kg	2,663.40			
36	Dismantling wooden palisade fencing.	Per Rft	70.95		Per Metre	232.70		ditto	
	<u>Iron work</u>								
37	Dismantling iron work of trusses, sheds, water tanks, etc. excluding cutting of rivets.	100Kg	2,630.80		100Kg	2,630.80		18.1	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors respectively against items No. 37 and 38.
38	Dismantling rolled steel beams or iron rails, etc.	100Kg	1,234.85		100Kg	1,234.85		ditto	
39	Dismantling iron latrine.	Per Unit/ 2 Seats	2,831.40		Per Unit/ 2 Seats	2,831.40		ditto	
40	Dismantling tees, bends or sluice valves upto 12" (300 mm) bore.	Each per inch bore	59.15		Each per Cum bore	23.65		ditto	
41	a) Dismantling B.G. water column.	Each	18,612.00		Each	18,612.00		ditto	
	b) Dismantling M.G. or N.G. water column.	Each	12,375.00		Each	12,375.00		ditto	
42	Dismantling all type of wire fencing, including rolling wire into bundles and collecting material.	100Lft.	1,279.10		Per Metre	41.95		18.1	
	<u>Miscellaneous</u>								
43	Dismantling wire netting of tennis courts and frame work.	100Sft.	601.90		Per Sqm	64.75		18.1	
44	Dismantling cloth ceiling and supporting timber.	100Sft.	1,128.60		Per Sqm	121.45		ditto	
45	Dismantling and removing road metalling.	100Cft.	3,009.60		Per Cum	1,063.00		ditto	
46	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre).	100Cft.	4,017.80		Per Cum	1,419.10		ditto	
47	Removing mud plaster from walls.	100Sft.	313.50		Per Sqm	33.75		ditto	Add extra 13%, 32% and 51% on labour rates only for 2nd, 3rd, 4th and subsequent floors against item
48	Removing cement or lime plaster.	100Sft.	627.00		Per Sqm	67.45		ditto	No. 47, 48, 49, & 50 respectively

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
49	Scraping:-							18.1	
	a) White wash or colour wash.	100Sft.	376.20		Per Sqm	40.50			
	b) Ordinary distemper, oil bound distemper, or paint of wall.	ditto	1,128.60		Per Sqm	121.45			
50	Dismantling glazed or encaustic tiles, etc.	100Sft.	3,405.60		Per Sqm	366.45		18.1	
51	Scraping boulders.	100Cft.	5,266.80		Per Cum	1,860.25		18.1	
52	Cleaning lime or cement mortar of old stones to be used in masonry.	100Cft.	2,633.40		Per Cum	930.10		18.1	
	<u>Electric Wiring</u>								
53	Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).	Per point	110.55	111.75	Per point	110.55	111.75		
54	Dismantling plug point and making good damaged surface (building portion).	Per point	94.75	95.80	Per point	94.75	95.80		
55	Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):-								
	i) on surface	Per Rft	20.20	20.45	Per Meter	66.25	67.10		
	ii) recessed in wall	Per Rft	43.25	43.65	Per Meter	141.85	143.15		

CHAPTER NO.5 (MORTAR)

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

S. No.	Ratio of Mortar	Dry Material Required for 100 Cft. Wet (Ready) Mortar			Dry Material Required for One Cum Wet (Ready) Mortar		
		Cement (50 Kg) Bag	Lime Putty Cft.	Sand Cft.	Cement (50 Kg.) Bag.	Lime Putty Cum	Sand Cum.
1	2	3	4	5	6	7	8
1	Cement : Sand						
	1 : 2	33.48		82	11.83		0.82
	1 : 3	23.11		85	8.16		0.85
	1 : 4	18.37		90	6.49		0.90
	1 : 5	14.70		90	5.19		0.90
	1 : 6	13.61		100	4.81		1.00
	1 : 7	11.68		100	4.12		1.00
	1 : 8	10.21		100	3.61		1.00
2	Cement : Lime : Sand						
	1 : 1 : 6	12.25	15.0	90	4.33	0.15	0.90
	1 : 1 : 7	10.70	13.1	92	3.78	0.13	0.92
	1 : 1 : 8	9.39	11.5	92	3.32	0.12	0.92
	1 : 1 : 9	8.52	10.44	94	3.00	0.10	0.94
	1 : 1 : 10	7.67	9.4	94	2.71	0.09	0.94
	1 : 2 : 8	9.19	22.5	90	3.25	0.23	0.90
	1 : 2 : 9	8.16	20.0	90	2.88	0.20	0.90
	1 : 2 : 10	7.67	18.8	94	2.71	0.19	0.94
	1 : 2 : 12	6.39	15.66	94	2.26	0.16	0.94
	1 : 3 : 12	6.26	23.0	92	2.21	0.23	0.92
	1 : 3 : 14	5.47	20.1	94	1.93	0.20	0.94
	1 : 3 : 16	4.82	17.7	94	1.70	0.18	0.94
	1 : ¼ : 3	23.11	7.0	85	8.16	0.07	0.85
3	Lime : Sand						
	1 : 2		43	86		0.43	0.86
	1 : 3		31	93		0.31	0.93

CHAPTER NO.5 (MORTAR)

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

S. No.	Ratio of Mortar	Dry Material Required for 100 Cft. Wet (Ready) Mortar					Dry Material Required for one M ³ Wet (Ready) Mortar				
		Clay	Lime (Putty)	Sand	Surkhi	Cinder	Clay	Lime (Putty)	Sand	Surkhi	Cinder
		Cft.	Cft.	Cft.	Cft.	Cft.	M ³	M ³	M ³	M ³	M ³
1	2	3	4	5	6	7	3	4	5	6	7
4	Mud	135					1.35				
5	Lime : Surkhi										
	2 : 3		49.00	-	73.5		-	0.49	-	0.74	-
	1 : 2		40.75	-	81.5		-	0.41	-	0.82	-
	1 : 3		30.30	-	91.0		-	0.30	-	0.91	-
6	Lime : Sand : Surkhi										
	1 : 1 : 1		40.50	40.5	40.5		-	0.41	0.41	0.41	
7	Lime : Cinder										
	1 : 1		57.0		-	57.0	-	0.57	-	-	0.57

Wet material required for 100 Cft. masonry (including wastage):

Wet material required for 1M³ (35.32 Cft) masonry (including wastage) :

1 Brick Masonry :

a) Mud Mortar	35.00 Cft	0.35 M ³
b) Cement, Sand	25.00 Cft	0.25 M ³
c) Cement, Lime (Putty) Sand	25.00 Cft	0.25 M ³
d) Lime (Putty) Sand	25.00 Cft	0.25 M ³

2 Stone Masonry :

a) Random rubble, uncoursed		
i) Foundation and Plinth	45.00 Cft	0.45 M ³
ii) Superstructure	40.00 Cft	0.40 M ³
iii) Coursed	35.00 Cft	0.35 M ³
b) Ashlar Block in course or Scabbed masonry	30.00 Cft	0.30 M ³
c) Ashlar fine masonry	20.00 Cft	0.20 M ³

Notes :

- (1) Cement 1 Cft. = 40.8233 Kg
- (2) Unslaked lime 1.7 Cft. = 37.3242 Kg
- (3) Slaked lime 2.5 Cft. = 37.3242 Kg
- (4) Quick lime 40 Kg Will yield 2.6 Cft. lime putty.

CHAPTER NO.6 (CONCRETE)

1. Rates for all finished works include the removal of surplus debris, unused material and by products.
2. If concrete mixer or high frequency vibrator, etc. is supplied by the Government, all charges including depreciation will be recovered from the contractor.
3. Subsequent carriage of crushed stone aggregate and bajri will be paid according to the following:
 - a) The carriage for the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and / or rail, as the case may be.
 - b) It shall be payable from the nearest approved quarry to site of work.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Mud concrete in foundation including watering and ramming, using brick or stone ballast 1½" (40 mm) gauge.	100Cft	8,308.10	14,923.10	Per Cum	2,934.40	5,270.85	**7-1 20.1	The stone ballast, crushed bajri, round shingle from nallah, or brick ballast may be used according to site requirement or as directed by the engineer incharge. -do-
2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	100Cft	5,643.00	12,441.00	Per Cum	1,993.10	4,394.15		
3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-								
	(a) Ratio 1: 3: 6	100Cft	10,949.40	39,130.20	Per Cum	3,867.35	13,820.80		
	(b) Ratio 1: 4: 8	100Cft	10,949.40	33,931.80	Per Cum	3,867.35	11,984.70		
	(c) Ratio 1:5:10	100Cft	10,949.40	31,170.60	Per Cum	3,867.35	11,009.45		
	(d) Ratio 1: 6:12	100Cft	10,949.40	29,064.60	Per Cum	3,867.35	10,265.60		
	(e) Ratio 1: 6: 18	100Cft	10,949.40	27,125.40	Per Cum	3,867.35	9,580.70		
	(f) Ratio 1: 7:20	100Cft	10,949.40	26,076.60	Per Cum	3,867.35	9,210.25		
4	Extra on item No. 3 above, for sedimentation tank or filter beds of Public Health Engineering Works:								
	(a) in bed	100Cft	3,496.70	-	Per Cum	1,235.05	-	**7-1 20.1	The stone ballast, crushed bajri, round shingle from nallah, or brick ballast may be used according to various areas of the Province.
	(b) on slope	100Cft	5,199.50	-	Per Cum	1,836.45	-		
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):								
	(a) Ratio 1: 1:2	100Cft	12,921.50	68,725.10	Per Cum	4,563.85	24,273.70		
	(b) Ratio 1: 1½: 1½	100Cft	12,921.50	68,405.90	Per Cum	4,563.85	24,160.95		
	(c) Ratio 1: 1½: 3	100Cft	12,921.50	54,512.30	Per Cum	4,563.85	19,253.75		
	(d) Ratio 1: 2: 3	100Cft	12,921.50	52,120.70	Per Cum	4,563.85	18,409.05		
	(e) Ratio 1: 3: 3	100Cft	12,921.50	46,502.30	Per Cum	4,563.85	16,424.60		
	(f) Ratio 1: 2: 4	100Cft	12,921.50	46,819.10	Per Cum	4,563.85	16,536.50		
	(g) Ratio 1: 2: 6	100Cft	12,921.50	40,827.50	Per Cum	4,563.85	14,420.25		
	(h) Ratio 1: 3: 6	100Cft	12,921.50	39,611.90	Per Cum	4,563.85	13,990.90	**7-1 20.4	1) The rate includes rendering floor surface smooth, and the plastering done for making up all surfaces after removing 2) Plastering done under soffit of R.C.C. roof slab meant for human habitation
	(i) Ratio 1: 4: 8	100Cft	12,921.50	34,348.70	Per Cum	4,563.85	12,131.95		
6	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication								

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	and placing in position, etc.):-								buildings shall be paid extra.
	(a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-								3) This item shall not be applicable to factory made units. 4) If Chenab Sand and Local Sand is used, following rates shall be reduced:
	(1) Type A (nominal mix 1:1:2)	Per Cft	271.65	950.30	Per Cum	9,594.70	33,564.60		Chenab Sand Local Sand 15.70 P.Cft or 29.95 P.Cft
	(2) Type B (nominal mix 1: 1½: 3)	Per Cft	271.65	809.45	Per Cum	9,594.70	28,589.75		16.85 P.Cft or 32.25 P.Cft
	(3) Type C (nominal mix 1: 2: 4)	Per Cft	271.65	733.40	Per Cum	9,594.70	25,903.70		17.70 P.Cft or 33.80 P.Cft
	(b) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects:								If formwork is used on one side, following rates shall be reduced by:
	(1) Type A (nominal mix 1:1:2)								Labour Rate Composite Rate
	(i) Upto 9" thick (Avg)	Per Cft	271.65	964.75	Per Cum	9,584.00	34,036.90		74.25 P.Cft or 133.10 P.Cft
	(ii) More Than 9" thick (Avg)	Per Cft	244.04	904.55	Per Cum	8,609.58	31,912.00		75.60 P.Cft or 128.35 P.Cft
	(2) Type B (nominal mix 1:1-1/2:3)								
	(i) Upto 9" thick (Avg)	Per Cft	271.65	818.00	Per Cum	9,584.00	28,859.65		74.25 P.Cft or 111.00 P.Cft
	(ii) More Than 9" thick (Avg)	Per Cft	244.04	757.80	Per Cum	8,609.58	26,734.75		57.84 P.Cft or 88.45 P.Cft
	(3) Type C (nominal mix 1:2:4)								
	(i) Upto 9" thick (Avg)	Per Cft	271.65	744.25	Per Cum	9,584.00	26,256.80		74.25 P.Cft or 111.00 P.Cft
	(ii) More Than 9" thick (Avg)	Per Cft	244.05	684.00	Per Cum	8,609.60	24,131.95		44.15 P.Cft or 74.75 P.Cft
	(c) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)& (b) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-								
	(1) Type A (nominal mix 1: 1: 2)	Per Cft	203.15	810.75	Per Cum	7,175.25	28,635.70		
	(2) Type B (nominal mix 1: 1½: 3)	Per Cft	203.15	662.40	Per Cum	7,175.25	23,395.95		
	(3) Type C (nominal mix 1: 2: 4)	Per Cft	203.15	586.55	Per Cum	7,175.25	20,716.95		
	(d) Precast reinforced cement concrete and prestressed reinforced cement concrete in columns, beams, lintels, stair cases, shelves, etc.								
	(1) Type A (nominal mix 1: 1: 2)	Per Cft	264.55	919.05	Per Cum	9,343.90	32,460.85		
	(2) Type B (nominal mix 1:1½: 3)	Per Cft	264.55	777.60	Per Cum	9,343.90	27,464.85		
	(3) Type C (nominal mix 1: 2: 4)	Per Cft	264.55	702.15	Per Cum	9,343.90	24,799.95		
	(e) Erecting and fixing in position, precast cement concrete or stone slab in roofs or lintels, etc. lift upto 20 ft., (6m) including all charges.	Per Cft	117.80	141.25	Per Cum	4,160.70	4,988.95		
	(f) Add extra labour for R.C. concrete in 2nd and subsequent storeys.	Per Cft	56.45	--	Per Cum	1,993.80	-		
7	Providing and casting in situ bored reinforced concrete piles with type C concrete (nominal mix 1: 2: 4) , using 10% extra cement in dry mix, and course sand, including all labour and material (except the cost of steel reinforcement and its labour for bending and laying in position, etc. which will be paid separately, including, screening & washing of shingle							** 8.6 * 851-1 to 851-10	If chenab sand and local sand is used, following rates shall be reduced by Rs:

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks	
		Unit	Labour	Composite	Unit	Labour	Composite			
	and curing:-									
	i) 18 " (450 mm) dia pile	Per Rft	1,494.75	2,216.20	Per Metre	4,902.80	7,269.15		Chenab Sand	Local Sand
	ii) 20" (500 mm) dia pile	Per Rft	1,848.55	2,737.05	Per Metre	6,063.25	8,977.50		31.25 P.Rft	or 59.75 P.Rft
	iii) 22" (550 mm) dia pile	Per Rft	2,350.70	3,406.30	Per Metre	7,710.30	11,172.65		38.60 P.Rft	or 73.70 P.Rft
	iv) 24" (600 mm) dia pile	Per Rft	3,066.25	4,344.20	Per Metre	10,057.30	14,249.05		51.35 P.Rft	or 98.10 P.Rft
8	Providing and casting in situ bored reinforced concrete piles using Ordinary portland cement / Sulphate resisting cement or as may be required, including screening, washing of aggregates, mixing of constituents using batching plant, Transportation by Transit Mixer, Pouring in the required proportion to achieve a nominal cylindrical strength in the field as per ACI-214, with the specified consistency. i/c the cost of labour, boring, equipment/machinery, platform (except the cost of steel reinforcement, its labour for bending and laying in position and boat platform etc. which will be paid separately) excluding the cost of admixture as approved and directed by the Engineer Incharge In ordinary soil							** 8.6		
	(a) 3000 PSI								i. If percussion boring is used based on the bore log/strata, derive rate accordingly with the permission of Superintending Engineer.	
	(i) 0.46 m / 18 inch	Per Rft.	1,144.65	1,887.85	Per Metre	3,754.50	6,192.15		Chenab Sand	Local Sand
	(ii) 0.51 m / 20 inch	Per Rft.	1,226.35	2,143.80	Per Metre	4,022.40	7,031.75		39.45 P.Rft	or 75.40 P.Rft
	(iii) 0.56 m / 22 inch	Per Rft.	1,372.10	2,482.40	Per Metre	4,500.55	8,142.25		48.70 P.Rft	or 93.05 P.Rft
	(iv) 0.61 m / 24 inch	Per Rft.	1,512.80	2,834.00	Per Metre	4,961.90	9,295.50		58.95 P.Rft	or 112.60 P.Rft
	(iii) 0.76 m / 30 inch	Per Rft.	1,982.35	4,046.75	Per Metre	6,502.15	13,273.40		70.15 P.Rft	or 134.00 P.Rft
	(iv) 0.91 m / 36 inch	Per Rft.	2,819.60	5,792.30	Per Metre	9,248.35	18,998.80		109.60 P.Rft	or 209.35 P.Rft
	(v) 1.07 m / 42 inch	Per Rft.	3,609.65	7,655.95	Per Metre	11,839.60	25,111.50		157.80 P.Rft	or 301.50 P.Rft
	(vi) 1.22 m / 48 inch	Per Rft.	3,841.20	9,126.10	Per Metre	12,599.20	29,933.60		214.80 P.Rft	or 410.40 P.Rft
	(vii) 1.37 m / 54 inch	Per Rft.	4,086.40	10,775.15	Per Metre	13,403.40	35,342.50		280.60 P.Rft	or 536.05 P.Rft
	(viii) 1.52 m / 60 inch	Per Rft.	5,697.35	13,954.90	Per Metre	18,687.25	45,772.15		355.10 P.Rft	or 678.40 P.Rft
	(ix) 1.68 m / 66 inch	Per Rft.	6,503.45	16,495.15	Per Metre	21,331.25	54,104.05		438.40 P.Rft	or 837.50 P.Rft
	(x) 1.83 m / 72 inch	Per Rft.	7,072.05	18,963.00	Per Metre	23,196.25	62,198.70		530.50 P.Rft	or 1013.45 P.Rft
	(xi) 1.98 m / 78 inch	Per Rft.	7,663.75	21,619.10	Per Metre	25,137.15	70,910.70		631.30 P.Rft	or 1206.05 P.Rft
	(xii) 2.13 m / 84 inch	Per Rft.	8,750.70	24,935.60	Per Metre	28,702.25	81,788.70		740.85 P.Rft	or 1415.40 P.Rft
	(b) 4000 PSI								859.30 P.Rft	or 1641.60 P.Rft
	(i) 0.46 m / 18 inch	Per Rft.	1,144.65	2,063.00	Per Metre	3,754.50	6,766.60		Chenab Sand	Local Sand
	(ii) 0.51 m / 20 inch	Per Rft.	1,226.35	2,360.05	Per Metre	4,022.40	7,740.95		33.00 P.Rft	or 63.00 P.Rft
	(iii) 0.56 m / 22 inch	Per Rft.	1,372.10	2,743.80	Per Metre	4,500.55	8,999.75		40.70 P.Rft	or 77.75 P.Rft
	(iv) 0.61 m / 24 inch	Per Rft.	1,517.85	3,150.35	Per Metre	4,978.55	10,333.10		49.20 P.Rft	or 94.05 P.Rft
	(iii) 0.76 m / 30 inch	Per Rft.	1,987.60	4,538.20	Per Metre	6,519.30	14,885.35		58.65 P.Rft	or 112.00 P.Rft
	(iv) 0.91 m / 36 inch	Per Rft.	2,819.60	6,492.55	Per Metre	9,248.35	21,295.60		91.55 P.Rft	or 174.90 P.Rft
	(v) 1.07 m / 42 inch	Per Rft.	3,493.90	8,493.15	Per Metre	11,460.00	27,857.55		131.85 P.Rft	or 251.90 P.Rft
	(vi) 1.22 m / 48 inch	Per Rft.	3,841.20	10,370.95	Per Metre	12,599.20	34,016.65		179.45 P.Rft	or 342.85 P.Rft
	(vii) 1.37 m / 54 inch	Per Rft.	4,086.40	12,350.60	Per Metre	13,403.40	40,510.00		234.40 P.Rft	or 447.85 P.Rft
	(viii) 1.52 m / 60 inch	Per Rft.	5,697.35	15,900.00	Per Metre	18,687.25	52,152.05		296.65 P.Rft	or 566.75 P.Rft
	(ix) 1.68 m / 66 inch	Per Rft.	6,503.45	18,848.75	Per Metre	21,331.25	61,823.85		366.25 P.Rft	or 699.70 P.Rft
	(x) 1.83 m / 72 inch	Per Rft.	7,072.05	21,763.95	Per Metre	23,196.25	71,385.80		443.20 P.Rft	or 846.70 P.Rft
	(xi) 1.98 m / 78 inch	Per Rft.	7,663.75	24,906.30	Per Metre	25,137.15	81,692.70		527.40 P.Rft	or 1007.60 P.Rft
	(xii) 2.13 m / 84 inch	Per Rft.	8,750.70	28,748.05	Per Metre	28,702.25	94,293.55		618.95 P.Rft	or 1182.50 P.Rft
									717.90 P.Rft	or 1371.50 P.Rft

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
9	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI 214, with the specified consistency. i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.							**7-1	
	(a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-								For item no. 9 (a) only: i. In case of any special shuttering requirement such as domes, box /curved girders, transoms, waffle slabs etc. or where no shuttering is required, the labour & composite rate shall be reduced by Rs. Labour Rate Composite Rate 42.55 P.Cft & 161.60 P.Cft ii. The rate of special shuttering (if required) shall be approved separately by the competent authority.
	(i) 7000 PSI	Per Cft	157.35	937.25	Per Cum	5,551.70	33,066.35		
	(ii) 6000 PSI	Per Cft	157.35	902.40	Per Cum	5,551.70	31,837.45		
	(iii) 5000 PSI	Per Cft	157.35	866.00	Per Cum	5,551.70	30,552.70		
	(iv) 4000 PSI	Per Cft	157.35	837.65	Per Cum	5,551.70	29,552.05		
	(vi) 3000 PSI	Per Cft	157.35	738.60	Per Cum	5,551.70	26,057.15		
	(b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides)								
	i) 7000 PSI								
	(i) Upto 9" thick	Per Cft	151.10	927.70	Per Cum	5,330.40	32,728.50		
	(ii) More Than 9" Thick	Per Cft	151.10	904.15	Per Cum	5,330.40	31,897.30		
	ii) 6000 PSI								
	(i) Upto 9" thick	Per Cft	151.10	892.85	Per Cum	5,330.40	31,499.60		
	(ii) More Than 9" Thick	Per Cft	151.10	884.90	Per Cum	5,330.40	31,218.85		
	iii) 5000 PSI								
	(i) Upto 9" thick	Per Cft	151.10	856.45	Per Cum	5,330.40	30,214.85		
	(ii) More Than 9" Thick	Per Cft	151.10	848.50	Per Cum	5,330.40	29,934.10		
	iv) 4000 PSI								
	(i) Upto 9" thick	Per Cft	151.10	828.05	Per Cum	5,330.40	29,214.20		
	(ii) More Than 9" Thick	Per Cft	151.10	820.15	Per Cum	5,330.40	28,933.45		
	v) 3000 PSI								
	(i) Upto 9" thick	Per Cft	151.10	729.00	Per Cum	5,330.40	25,719.30		
	(ii) More Than 9" Thick	Per Cft	151.10	721.05	Per Cum	5,330.40	25,438.55		
	(c) Substructure (Foundations, Raft, Strip and Footing Beams)								
	(i) 7000 PSI	Per Cft	85.35	789.95	Per Cum	3,010.75	27,870.20		
	(ii) 6000 PSI	Per Cft	85.35	755.15	Per Cum	3,010.75	26,641.30		
	(iii) 5000 PSI	Per Cft	85.35	718.70	Per Cum	3,010.75	25,356.55		
	(iv) 4000 PSI	Per Cft	85.35	690.35	Per Cum	3,010.75	24,355.95		
	(vi) 3000 PSI	Per Cft	85.35	591.30	Per Cum	3,010.75	20,861.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant in the required proportions to achieve a nominal cylindrical strength in the field as per ACI 214, with the specified consistency using concrete paving machine i/c the cost of shuttering, transportation, as approved and directed by the Engineer Incharge.								
	i) 4000 PSI	Per Cft	68.40	642.80	Per Cum	2,413.45	22,678.00		
11	Providing, laying, compacting and curing Cyclopean/plum/rubble concrete in (40:60) ratio (Plum Concrete) using pre-mixed Cement Concrete of specified ratio by using Ordinary Portland Cement including screening, washing of aggregate, mixing of constituents by using batching plant, transported by transit mixer and pouring under gravity, with specified consistency i/c the cost of compaction with Vibrator but excluding the cost of Admixture and carriage charges, as approved and directed by the Engineer Incharge.								
	i. 1:3:6	P.Cft	74.95	317.15	Per Cum	2,644.70	11,189.30		
	ii. 1:2:4	P.Cft	74.95	365.85	Per Cum	2,644.70	12,907.15		
12	Fabrication of mild steel reinforcement deformed bar cage of specified yield strength for R.C.C bored piles including cutting bending, lowering of cage with crane in position, welding and fastening, including the cost of binding wire, Crane machine (also includes removal of rust from the bars) as approved and directed by the Engineer Incharge							* 851.5 ** 8.3	The overlap will be paid extra vide FD Notification No.RO(TECH)FD2-11/2010 dated 08.03.2010.
	i) Grade-40	Per Cwt.	167.05	14,802.15	100 Kg	328.85	29,138.15		
	ii) Grade-60	Per Cwt.	167.05	14,985.40	100 Kg	328.85	29,498.80		
13	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-							* 821 ** 8.3	The rate includes wastage, steel chairs etc. complete in all respect and overlaps will be paid extra.
	(a) Plain bars	Per Cwt.	510.85	14,825.80	100 kg	1,005.60	29,184.65		
	(b) Deformed bars								
	(i) (Grade-40)	Per Cwt.	510.85	15,227.60	100 kg	1,005.60	29,975.60		
	(ii) (Grade-60)	Per Cwt.	510.85	15,415.95	100 kg	1,005.60	30,346.40		
13	Precast cement concrete solid or face blocks (1:2:4), including cost of templates.	Per Cft	207.35	543.95	Per Cum	7,323.60	19,212.30	** 7-1 20.2	The cost includes mortar (1:5) and labour for fixing at any height.
14	Precast cement concrete hollow blocks (1: 2: 4) , including cost of templates and constructing walls thereof.	Per Cft	209.85	435.30	Per Cum	7,411.90	15,374.80	** 7-1 20.2	The cost includes mortar (1:5) and labour for fixing at any height.
15	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	Per Sft	85.15	145.60	Per Sqm	916.20	1,566.65	20.1 to 20.4	
16	Extra labour for laying concrete plain or reinforced:								
	(a) above 30' (6 m) upto 40' (12 m) height	100Cft	6,019.20	-	Per Cum	2,126.00	-		
	(b) for every additional 10' (3 m) height.	100Cft	3,762.00	-	Per Cum	1,328.75	-		
17	Extra labour for work of weirs, rail or road bridges, syphons, and concreting in superstructure	100Cft	1,504.80	-	Per Cum	531.50	-		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
18	Making reinforced cement concrete spout, including fixing in position (2½" x 6" x 5") (760 mmx150 mm x 125 mm)	Each	1,064.25	1,470.15	Each	1,064.25	1,470.15	20.4	
19	Making holes upto 3" (75 mm) dia 18" (450 mm) depth in cement concrete or stone masonry walls and repairing.	Per hole	2,554.20	-	Each	2,554.20	-	20.1	
20	Extra labour for skipping concrete in wells.	100Cft	9,108.00	-	Per Cum	3,216.95	-	20.1	
21	Nicking concrete surface: (a) Cement concrete surface (b) Lime concrete surface	100Sft 100Sft	950.40 313.65	- -	Per Sqm Per Sqm	102.25 33.75	- -		
22	Preparing, watering and ramming surface for laying concrete (for Headworks only):- (a) Horizontal floor (b) Glacis and crest (c) Inverted filters	100Sft 100Sft 100Sft	908.40 1,326.60 425.70	- - -	Per Sqm Per Sqm Per Sqm	97.75 142.75 45.80	- - -		
23	Fabrication of high tensile steel prestressing cables for prestressed (post tensioned) concrete, including assembling by drawing the H.T. wire through metal spacer plate, inserting in helix core and taping or tying, sheathing in longitudinally welded metal corrugated sheath, positioning, anchorage with male and female set of anchorage cone, forming ducts for transverse cable, stressing cables with jack at both ends as per stressing schedule, maintaining stressing record and supply the same in the approved proforma to the Engineer-in-charge, making loop at blind end, including all materials required for it, grouting the cable ducts with cement, cutting projected ends and making good recesses, etc., complete in all respects.	100 Kg.	12,917.00	73,932.15	100 Kg.	12,917.00	73,932.15	** 8.4 * 811-1 to 811-11	The rate includes wastage in cutting and breakage in stressing, etc.
24	Fabrication of High Tensile steel reinforcement for prestressed (pretension) concrete work, including inserting wire in moulds, providing M.S. shear bars, spacers and lift hooks, male and female anchorage, tie down, struts, stressing cables, maintaining stress record and supply the same in approved proforma to the Engineer-in-charge, cutting wires and projecting ends and making good recesses, etc., complete in all respects.	100kg	7,504.20	67,986.40	100kg	7,504.20	67,986.40		1) The rate includes wastage in cutting and breakage in stressing, etc. 2) Quantity of H. T. wire will form basis of payment. 3) This item shall not be applicable to factory made units.
25	Lifting, transporting and placing precast prestressed concrete Beam, Girder and other members (excluding battens) etc., in position on the bridge to correct alignment and level, etc., complete in all respect as directed by the Engineer Incharge.	Per Ton	146.60	1,693.35	Per Ton	146.60	1,693.35		
26	Providing and laying foam concrete 3 inch (75 mm) thick, using cement sand in the ratio of 1:2 and aluminium powder at the rate of 0.2% of the cement, sand mix,	Per Sft.	82.65	175.65	Per Sqm	889.30	1,890.00		
27	Providing and fixing 6 inch (150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw, 1.5 in (40 mm) long to cover construction joints vertically:- i) aluminium sheet 1/16 in (1.5 mm) thick ii) G.I. sheet, 18 SWG	Per Rft. Per Rft.	43.35 44.40	177.50 279.25	Per Metre Per Metre	142.20 145.65	582.20 915.95		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
28	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-								
	a) On interior surface (without mastic strip)	Per Rft.	39.60	173.75	Per Metre	129.90	569.90		
	b) On exterior surface (with mastic strip)	Per Rft.	39.60	188.15	Per Metre	129.90	617.15		
29	Providing and fixing 1/16" (1.5 mm) thick copper flashing on expansion joints complete in all respects.	Per Sft.	42.55	212.55	Per Sqm	457.85	2,287.05		
30	Providing and fixing 6 in (150 mm) wide G.I. sheet 18SWG. stopper to expansion joint.	Per Rft.	14.70	220.45	Per Metre	48.20	723.10		
31	Providing embedding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	Per Rft.	59.40	419.40	Per Metre	194.85	1,375.60		
32	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect.								
	i) 6 mm thick	P.Rft	59.40	419.40	Per Metre	194.85	1,375.65		
	ii) 10 mm thick	P.Rft	59.40	809.40	Per Metre	194.85	2,654.85		
33	Filling expansion joints with bitumen. sand & saw dust in ratio 1:2:2.	Per Rft per inch width	9.40	40.00	P.Metre/ Per 25 mm width	30.85	131.20		
34	Filling expansion joints with bitumen.	Per Rft.	154.45	-	Per Metre	506.60	-		
35	Laying asphaltic mixture in expansion joints.	Per Rft.	131.65	-	Per Metre	431.80	-		Material to be paid on actuals.
36	Providing and fixing theremopore (foamed polythene) sheet in horizontal and vertical expansion joints:								
	a) 1" (25 mm) thick thermopore sheet	Per Sft.	17.05	28.25	Per Sqm	183.45	303.95		
	b) 1½" (40 mm) thick thermopore sheet	Per Sft.	17.05	34.00	Per Sqm	183.45	365.85		
37	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating :-								
	(a) with one coat bitumen and one coat polythene sheet 500gauge								
	i) 1½" thick (40 mm)	100Sft	3,854.40	11,558.45	Per Sqm	414.75	1,243.70		
	ii) 2" thick (50 mm)	100Sft	3,854.40	12,905.75	Per Sqm	414.75	1,388.65		
	iii) 3" thick (75 mm)	100Sft	4,012.80	16,035.95	Per Sqm	431.80	1,725.45		
	(b) with 2 coats of bitumen:								
	i) 1½" thick (40 mm)	100Sft	3,854.40	12,046.20	Per Sqm	414.75	1,296.15		
	ii) 2" thick (50 mm)	100Sft	3,854.40	13,392.20	Per Sqm	414.75	1,441.00		
	iii) 3" thick (75 mm)	100Sft	4,012.80	16,522.40	Per Sqm	431.80	1,777.80		
38	Providing and laying damp proof course with cement sand plaster and bitumen coating:-								
	(a) with one coat of bitumen and one coat of polythene sheet 500 gauge :-								

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	1) Ratio 1: 4								
	a) ½" thick (13 mm)	100Sft	3,616.80	7,850.25	Per Sqm	389.15	844.70		
	b) ¾" thick (20 mm)	100Sft	3,616.80	8,573.00	Per Sqm	389.15	922.45		
	2) Ratio 1:3								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,086.30	Per Sqm	389.15	870.10		
	b) ¾ " thick (20mm)	100Sft	3,616.80	8,852.15	Per Sqm	389.15	952.50		
	3) Ratio 1:2								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,311.90	Per Sqm	389.15	894.35		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	9,397.30	Per Sqm	389.15	1,011.15		
	(b) with 2 coats of bitumen:-								
	1) Ratio 1: 4								
	a) ½" thick (13 mm)	100Sft	3,616.80	7,879.55	Per Sqm	389.15	847.85		
	b) ¾" thick (20 mm)	100Sft	3,616.80	8,601.45	Per Sqm	389.15	925.50		
	2) Ratio 1:3								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,123.45	Per Sqm	389.15	874.10		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	8,889.30	Per Sqm	389.15	956.50		
	3) Ratio 1:2								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,710.40	Per Sqm	389.15	937.25		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	9,858.20	Per Sqm	389.15	1,060.75		
39	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:-								
	(a) with one coat of bitumen and one coat of polythene sheet 500 gauge:								
	1) Ratio 1: 4								
	a) ½" thick (13 mm)	100Sft	3,616.80	7,487.20	Per Sqm	389.15	805.60		
	b) ¾" thick (20 mm)	100Sft	3,616.80	8,211.70	Per Sqm	389.15	883.60		
	2) Ratio 1:3								
	a) ½ " thick (13 mm)	100Sft	3,616.80	7,725.00	Per Sqm	389.15	831.20		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	8,490.80	Per Sqm	389.15	913.60		
	3) Ratio 1:2								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,311.90	Per Sqm	389.15	894.35		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	9,459.70	Per Sqm	389.15	1,017.85		
	(b) with 2 coats of bitumen:-								
	1) Ratio 1: 4								
	a) ½" thick (13 mm)	100Sft	3,616.80	7,878.00	Per Sqm	389.15	847.65		
	b) ¾" thick (20 mm)	100Sft	3,616.80	8,601.45	Per Sqm	389.15	925.50		
	2) Ratio 1:3								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,114.75	Per Sqm	389.15	873.15		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	8,880.60	Per Sqm	389.15	955.55		
	3) Ratio 1:2								
	a) ½ " thick (13 mm)	100Sft	3,616.80	8,701.80	Per Sqm	389.15	936.30		
	b) ¾ " thick (20 mm)	100Sft	3,616.80	9,849.35	Per Sqm	389.15	1,059.80		
40	Grouting concrete between, the grooves of gates, including shuttering.	100Cft	17,245.80	-	Per Cum	6,091.20	-		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
41	Chiesel dressing concrete surface on sides of grooves.	100Sft	522.70	-	Per Sqm	56.25	-		
42	Laying and ramming dry ballast or kankar.	100Cft	6,113.25	-	Per Cum	2,159.20	-		
43	Hoisting and placing in position R.C.C. shelves.	Each	191.80	-	Each	191.80	-		
44	Breaking brick ballast, screening and stacking:-								
	(a) 2" (50 mm) ring	100Cft.	4,702.50	-	Per Cum	1,660.90	-		
	(b) 1½" (40 mm) ring	100Cft.	5,266.80	-	Per Cum	1,860.25	-		
	(c) 1" (25 mm) ring	100Cft.	6,113.25	-	Per Cum	2,159.20	-		
	(d) Jhama ballast ¾" (20 mm) ring	100Cft.	7,053.75	-	Per Cum	2,491.40	-		
45	Supplying and fixing broken glasses on court yard walls, including 1:3: 6 cement concrete coping.	Per Rft	146.40	239.70	Per Metre	480.20	786.20		
46	Crushing stone ballast by machine.	100Cft	4,702.50	-	Per Cum	1,660.90	-		This does not include the charges for working of crushers, but includes manual labour for carriage of stone to crusher within three chains (90 m) and also stacking the product after crushing within three chains (90 m).
47	Breaking stone ballast screened and stacked:-								
	(a) 2" ring (50 mm)	100Cft.	5,266.80	-	Per Cum	1,860.25	-		
	(b) 1½" ring (40 mm)	100Cft.	6,113.25	-	Per Cum	2,159.20	-		
	(c) 1" ring (25 mm)	100Cft.	7,053.75	-	Per Cum	2,491.40	-		
	d) ½" ring (13 mm)	100Cft.	9,405.00	-	Per Cum	3,321.85	-		
	(e) 1/8" to ¼" ring (3 mm to 6 mm)	100Cft.	15,988.50	-	Per Cum	5,647.15	-		
48	Screening and stacking stone ballast shingle or bajri, etc.	100Cft.	1,504.80	-	Per Cum	531.50	-		
49	Washing ballast, bajri or shingle.	100Cft.	1,504.80	-	Per Cum	531.50	-		
50	Erecting and carting sun shades of precast R.C. concrete upto 5' x 2½' (1.50 m x 0.76 m)	Each	839.50	-	Each	839.50	-		
51	Extra for Kentledge and loading arrangements for test pile to ensure structural and Geotechnical soundness of pile upto a maximum test load applying in stages i/c the hiring of machinery required for complete job and furnishing a report in this regard by a qualified/authorized Geo Technical Engineer by studying the data of at least seven days as approved and directed by the Engineer Incharge.	Per Cwt.	1.45	25.25	Per Ton	31.95	556.65		
52	Making Temporary floating platform comprising of required Nos. of unifloats in running water / pond to place machinery, manpower and proper access complete in all respect as approved and directed by the Engineer Incharge.	Each	12,771.00	98,657.00	Each	12,771.00	98,657.00		
53	Providing and fixing precast Edge Kerb Stone (4" to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect.							**9-11 * 1203-1 to 1203-3	
	a) Without Painting								
	(i) 14" high	Per Rft	139.20	586.25	Per Meter	456.50	1,922.85		
	(ii) 18" high	Per Rft	143.40	601.60	Per Meter	470.40	1,973.25		
	b) With Painting								
	(i) 14" high	Per Rft	181.40	673.80	Per Meter	595.05	2,210.00		
	(ii) 18" high	Per Rft	185.65	689.15	Per Meter	608.95	2,260.35		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
54	Providing & fixing precast Edge Kerb Stone (4" to 6" thick) and 14" high of Compressive Strength of 3500 PSI laid in cement sand mortar (1:3) over pre-laid brick masonry for drain cum footpath etc complete in all respect.							**9-11	
	(i) Without painting	Per Rft	131.20	478.70	Per Meter	430.35	1,570.20		
	(ii) With painting	Per Rft	173.45	566.25	Per Meter	568.90	1,857.30		
55	Providing and laying Kerb Block / RCC Barrier of Concrete having compressive strength of 4000 PSI of required size with Slip form Paver/ power kerber machine, batching plant, excluding the cost of additive / super plasticizer, steel reinforcement and its labour for bending and laying in position as specified etc complete in all respect.								
	a) Kerb Block	Per Cft	116.40	641.25	Per Cum	4,111.60	22,648.60		If batching plant is not used, reduce: Labour Rate Composite Rate 26.25 P.Cft or 26.30 P.Cft Labour Rate Composite Rate 19.90 P.Cft or 19.90 P.Cft 20.70 P.Cft or 20.70 P.Cft
	b) R.C.C Barrier								
	(i) Single Face	Per Cft	93.25	618.10	Per Cum	3,293.60	21,830.60		
	(ii) Double Face	Per Cft	95.55	620.40	Per Cum	3,375.20	21,912.20		
56	Providing and mixing water reducing admixture as defined in ASTM C-94 in order to achieve the required consistancy / workability measured by the slump or to achieve specified strength in the ratio as proposed by the designer in the concrete mix design etc. complete in all respect as approved and directed by Engineer incharge.								
	a) Super Plasticizer	Per Gallon	19.35	837.65	Per Ltr.	4.25	184.25		i. The use of Plasticizer/ Super Plasticizer will be subject to the permission of Superintending Engineer. ii. Used in the ratio of (0.05% to 1.00%) by weight of cement.
	b) Plasticizer	Per Gallon	19.35	564.85	Per Ltr.	4.25	124.25		

* Specification numbers correspond to book of standard specification of Road and Bridge Construction, "1971"

** Specification numbers correspond to book of standard specification of Road and Bridge Construction, "2022"

CHAPTER NO.7 (BRICK WORK)

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 The rates apply to all sizes of bricks, including the modular bricks of size 8"x4"x4" (200x100x100 mm) nominal.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Pacca brick work in mud mortar in buildings:							21.1 to 21.4	Masonry of boundary wall to be considered as masonry other than building.
	i) in foundation and plinth	100Cft.	7,568.50	29,338.00	Per Cum	2,673.20	10,362.20		
	ii) in ground floor	100Cft.	10,023.70	31,793.20	Per Cum	3,540.35	11,229.35		
2	Add extra labour on item No. 1 for brick work in:-								The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.
	i) first floor	100Cft.	1,980.00	--	Per Cum	699.35	-		
	ii) second floor	100Cft.	4,435.20	--	Per Cum	1,566.50	-		
	iii) third floor	100Cft.	6,890.40	--	Per Cum	2,433.70	-		
	iv) fourth & subsequent floors	100Cft.	11,048.40	--	Per Cum	3,902.30	-		
3	Pacca brick work in mud mortar other than building:-							21.1 to 21.4	Same remarks as against item No. 1 above
	i) upto 20 ft. (6.1 m) height	100Cft.	10,322.60	32,092.10	Per Cum	3,645.95	11,334.95		
	ii) extra labour for every 5 ft. (1.5 m) additional height, or part thereof.	100Cft.	1,980.00	--	Per Cum	699.35	-		
4	Pacca brick work in foundation and plinth in:-							ditto	Same remarks as against item No. 1 above.
	i) Cement, sand mortar:-								
	Ratio 1:2	100Cft.	7,350.40	42,399.40	Per Cum	2,596.15	14,975.45		
	Ratio 1:3	100Cft.	7,350.40	39,237.40	Per Cum	2,596.15	13,858.65		
	Ratio 1:4	100Cft.	7,350.40	37,340.20	Per Cum	2,596.15	13,188.55		
	Ratio 1:5	100Cft.	7,350.40	36,075.40	Per Cum	2,596.15	12,741.85		
	Ratio 1:6	100Cft.	7,350.40	35,125.25	Per Cum	2,596.15	12,406.25		
	Ratio 1:7	100Cft.	7,350.40	34,502.20	Per Cum	2,596.15	12,186.20		
	Ratio 1:8	100Cft.	7,350.40	33,956.70	Per Cum	2,596.15	11,993.50		
	ii) lime, cement sand mortar:-							21.1	The rate of lime mortar also includes grinding of mortar.
	Ratio 1:1:6	100Cft.	7,350.40	36,898.15	Per Cum	2,596.15	13,032.45		
	Ratio 1:1:7	100Cft.	7,350.40	36,113.55	Per Cum	2,596.15	12,755.30		
	Ratio 1:1:8	100Cft.	7,350.40	35,481.40	Per Cum	2,596.15	12,532.05		
	Ratio 1:1:9	100Cft.	7,350.40	34,950.05	Per Cum	2,596.15	12,344.35		
	Ratio 1:1:10	100Cft.	7,350.40	34,551.85	Per Cum	2,596.15	12,203.70		
	iii) lime, sand mortar 1:2	100Cft.	7,350.40	35,818.15	Per Cum	2,596.15	12,650.95	ditto	ditto

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
5	Pacca brick work in ground floor:-							ditto	
	i) cement, sand mortar:-								i) The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.
	Ratio 1:2	100Cft.	8,294.20	43,343.20	Per Cum	2,929.50	15,308.80		ii) Masonry of boundary wall to be considered as masonry other than building.
	Ratio 1:3	100Cft.	8,294.20	40,181.20	Per Cum	2,929.50	14,192.00		
	Ratio 1:4	100Cft.	8,294.20	38,284.00	Per Cum	2,929.50	13,521.90		
	Ratio 1:5	100Cft.	8,294.20	37,019.20	Per Cum	2,929.50	13,075.20		
	Ratio 1:6	100Cft.	8,294.20	36,069.05	Per Cum	2,929.50	12,739.60		
	Ratio 1:7	100Cft.	8,294.20	35,446.00	Per Cum	2,929.50	12,519.55		
	Ratio 1:8	100Cft.	8,294.20	34,897.40	Per Cum	2,929.50	12,325.75		
	ii) lime, cement, sand mortar:-								The rate of lime mortar also includes grinding of mortar.
	Ratio 1:1:6	100Cft.	8,294.20	37,841.95	Per Cum	2,929.50	13,365.80		
	Ratio 1:1:7	100Cft.	8,294.20	37,070.70	Per Cum	2,929.50	13,093.35		
	Ratio 1:1:8	100Cft.	8,294.20	36,425.20	Per Cum	2,929.50	12,865.40		
	Ratio 1:1:9	100Cft.	8,294.20	35,893.85	Per Cum	2,929.50	12,677.70		
	Ratio 1:1:10	100Cft.	8,294.20	35,497.80	Per Cum	2,929.50	12,537.80		
	iii) lime, sand mortar 1:2	100Cft.	8,294.20	36,761.90	Per Cum	2,929.50	12,984.30		The rate of lime mortar also includes grinding of mortar.
6	Add extra labour on item No. 5 for brickwork in:-								
	i) first floor	100Cft.	1,980.00	--	Per Cum	699.35	-		
	ii) second floor	100Cft.	3,696.00	--	Per Cum	1,305.45	-		
	iii) third floor	100Cft.	6,890.40	--	Per Cum	2,433.70	-		
	iv) fourth & subsequent floors	100Cft.	9,207.00	--	Per Cum	3,251.90	-		
7	Pacca brick work other than building upto 10ft. (3 m) height.							21.1 to 21.5	
	i) cement, sand mortar:-								i) The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.
	Ratio 1:2	100Cft.	8,190.60	43,239.60	Per Cum	2,892.90	15,272.25		ii) Workshops, godowns, bins, house type godowns, reservoirs, filter beds, storage tanks, wells, screening chambers, collecting tanks, manholes etc. are to be treated as masonry other than buildings.
	Ratio 1:3	100Cft.	8,190.60	40,077.60	Per Cum	2,892.90	14,155.40		
	Ratio 1:4	100Cft.	8,190.60	38,180.40	Per Cum	2,892.90	13,485.30		
	Ratio 1:5	100Cft.	8,190.60	36,915.60	Per Cum	2,892.90	13,038.60		
	Ratio 1:6	100Cft.	8,190.60	35,965.45	Per Cum	2,892.90	12,703.00		
	Ratio 1:7	100Cft.	8,190.60	35,342.40	Per Cum	2,892.90	12,482.95		
	Ratio 1:8	100Cft.	8,190.60	34,796.90	Per Cum	2,892.90	12,290.25		
	ii) lime, cement, sand mortar:-								The rate of lime mortar also includes grinding of mortar.
	Ratio 1:1:6	100Cft.	8,190.60	37,738.30	Per Cum	2,892.90	13,329.15		
	Ratio 1:1:7	100Cft.	8,190.60	36,953.75	Per Cum	2,892.90	13,052.05		
	Ratio 1:1:8	100Cft.	8,190.60	36,321.60	Per Cum	2,892.90	12,828.80		
	Ratio 1:1:9	100Cft.	8,190.60	35,789.90	Per Cum	2,892.90	12,641.00		
	Ratio 1:1:10	100Cft.	8,190.60	35,392.05	Per Cum	2,892.90	12,500.45		
	iii) lime, sand mortar 1:2	100Cft.	8,190.60	36,658.30	Per Cum	2,892.90	12,947.70		ditto

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
8	Add extra labour on item No. 7, for every 10ft.(3 m) additional height, or part thereof.	100Cft.	1,650.00	--	Per Cum	582.80	-		
9	Extra labour for arch work in brick masonry, including labour for centring and decentring.	100Cft.	3,003.00	--	Per Cum	1,060.65	-	21.5	
10	Extra for pacca brick work in steining of wells or any other circular masonry.	100Cft.	1,980.00	3,283.80	Per Cum	699.35	1,159.85	21.1 to 21.4	The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.
11	Extra labour for profile and flared walls.	100Cft.	681.10	--	Per Cum	240.55	-		
12	Extra labour for pacca brick work in piers and abutment:-								
	i) from 10ft. to 20ft. (3 m to 6 m) height	100Cft.	980.50	--	Per Cum	346.30	-		
	ii) above 20 ft. (6 m) height.	100Cft.	1,980.00	--	Per Cum	699.35	-		
13	Extra for face work (half brick thick) using special bricks instead of first class bricks.	100Cft.		6,856.75	Per Cum		2,421.80		This item is to be executed only under the written permission of Superintending Engineer.
14	Reinforced brick work in lintel of openings, laid in 1:3 cement mortar, including all labour, material, forms, moulds, lifting & shuttering, etc, (but excluding cost and labour of steel reinforcement which shall be paid for separately).	Per Cft.	327.85	685.40	Per Cum	11,579.90	24,208.35		
15	Extra for dressing or chamfering bricks for:-								
	a) special architectural bricks	100 Nos.	6,214.05	-	100 Nos.	6,214.05	-		
	b) all other purposes	100 Nos.	3,107.00	-	100 Nos.	3,107.00	-		
16	Perforated pacca brick walling half brick thick, in ground floors:-							21.1 to 21.4	The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.
	i) mud mortar	100 Sft.	5,004.35	10,454.65	Per Sqm	538.45	1,124.90		
	ii) cement, sand mortar:-								
	Ratio 1:2	100 Sft.	6,595.45	15,365.65	Per Sqm	709.65	1,653.35		
	Ratio 1:3	100 Sft.	6,595.45	14,574.40	Per Sqm	709.65	1,568.20		
	Ratio 1:4	100 Sft.	6,595.45	14,100.85	Per Sqm	709.65	1,517.25		
	Ratio 1:5	100 Sft.	6,595.45	13,784.65	Per Sqm	709.65	1,483.25		
	Ratio 1:6	100 Sft.	6,595.45	13,562.55	Per Sqm	709.65	1,459.35		
	Ratio 1:7	100 Sft.	6,595.45	13,389.95	Per Sqm	709.65	1,440.75		
	Ratio 1:8	100 Sft.	6,595.45	13,263.15	Per Sqm	709.65	1,427.10		
	iii) lime, cement sand mortar								The rate of lime mortar also includes grinding of mortar.
	Ratio 1:1:6	100Sft.	6,595.45	13,990.35	Per Sqm	709.65	1,505.35		
	Ratio 1:1:7	100Sft.	6,595.45	13,794.95	Per Sqm	709.65	1,484.35		
	Ratio 1:1:8	100Sft.	6,595.45	13,649.65	Per Sqm	709.65	1,468.70		
	Ratio 1:1:9	100Sft.	6,595.45	13,501.60	Per Sqm	709.65	1,452.75		
	Ratio 1:1:10	100Sft.	6,595.45	13,416.40	Per Sqm	709.65	1,443.60		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
17	iv) lime, sand mortar 1:2 Add extra labour on item No. 16 for pacca brick work in:-	100Sft.	6,595.45	13,715.85	Per Sqm	709.65	1,475.85		ditto
	i) first floor	100Sft.	999.50	-	Per Sqm	107.55	-		
	ii) second floor	100 Sft.	2,208.10	-	Per Sqm	237.60	-		
	iii) third floor	100 Sft.	3,454.70	-	Per Sqm	371.75	-		
	iv) fourth & subsequent floors	100 Sft.	5,319.05	-	Per Sqm	572.35	-		
18	Perforated pacca brick walling one brick thick, in ground floor:							21.1 to 21.4	The composite rate is to be reduced by 7% and 14%, if 2nd or 3rd class bricks are used.
	i) mud mortar	100Sft.	7,046.40	17,931.15	Per Sqm	758.20	1,929.40		
	ii) cement, sand mortar:-								
	Ratio 1:2	100 Sft.	9,910.30	27,434.80	Per Sqm	1,066.35	2,952.00		
	Ratio 1:3	100 Sft.	9,910.30	25,853.80	Per Sqm	1,066.35	2,781.85		
	Ratio 1:4	100 Sft.	9,910.30	24,905.20	Per Sqm	1,066.35	2,679.80		
	Ratio 1:5	100 Sft.	9,910.30	24,272.80	Per Sqm	1,066.35	2,611.75		
	Ratio 1:6	100 Sft.	9,910.30	23,828.55	Per Sqm	1,066.35	2,563.95		
	Ratio 1:7	100 Sft.	9,910.30	23,482.45	Per Sqm	1,066.35	2,526.70		
	Ratio 1:8	100 Sft.	9,910.30	23,213.60	Per Sqm	1,066.35	2,497.80		
	iii) lime, cement, sand mortar:-								The rate of lime mortar also includes grinding of mortar
	Ratio 1:1:6	100Sft.	9,910.30	24,684.15	Per Sqm	1,066.35	2,656.00		
	Ratio 1:1:7	100 Sft.	9,910.30	24,283.75	Per Sqm	1,066.35	2,612.95		
	Ratio 1:1:8	100 Sft.	9,910.30	23,976.15	Per Sqm	1,066.35	2,579.85		
	Ratio 1:1:9	100 Sft.	9,910.30	23,710.10	Per Sqm	1,066.35	2,551.20		
	Ratio 1:1:10	100 Sft.	9,910.30	23,517.85	Per Sqm	1,066.35	2,530.50		
	iv) lime, sand mortar 1:2	100Sft.	9,910.30	24,137.80	Per Sqm	1,066.35	2,597.25		ditto
19	Add extra labour on item No. 18 for perforated pacca brick work in:-								
	i) first floor	100Sft.	1,485.00	--	Per Sqm	524.50	-		
	ii) second floor	100 Sft.	2,772.00	--	Per Sqm	979.10	-		
	iii) third floor	100 Sft.	5,167.80	--	Per Sqm	1,825.25	-		
	iv) fourth & subsequent floors	100 Sft.	6,905.25	--	Per Sqm	2,438.95	-		
20	Fire brick masonry in fireclay mortar:-							21.1 to 21.2	
	i) upto 20 ft. (6.10 m) height including all charges.	Per Cft.	124.80	1,233.15	Per Cum	4,408.60	43,554.50		
	ii) Extra for every 5 ft. (1.5 m) additional height, or part thereof.	100Cft.	1,980.00	--	Per Cum	699.35	-		A&C No.I dated 2.9.1998
21	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:-							21.19	
	i) 4½" (113 mm) thick walling with hoop iron, bonding 6" (150 mm) apart.	100Sft.	5,558.85	22,606.15	Per Sqm	598.15	2,432.40		
	ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.	100Sft.	4,969.80	19,750.50	Per Sqm	534.75	2,125.15		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	iii) 3" (75 mm) thick walling with hoop iron, bonding 6" (150 mm) apart.	100 Sft.	4,399.55	17,614.40	Per Sqm	473.40	1,895.30		
	iv) 3" (75 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.	100 Sft.	3,519.65	14,217.00	Per Sqm	378.70	1,529.75		
22	Ghilafi work (1½ brick thick wall)	100Cft.	10,084.55	23,166.80	Per Cum	3,561.85	8,182.50	21.18	
23	Dry brick pitching	100Cft.	6,138.00	27,603.00	Per Cum	2,167.95	9,749.40	21.1	
24	Sun dried bricks in mud mortar	100Cft.	8,498.15	12,893.15	Per Cum	3,001.55	4,553.85	21.16	
25	Pise wall (mud walling)	100Cft.	4,918.30	--	Per Cum	1,737.15	-	21.17	
26	Eave brick moulded, weathered and throated with back brick or drip course cornice, in 1:3 cement mortar:-							21.1 to 21.2	
	i) 3" (75 mm) thick drip course cornice	Per Rft	63.40	134.85	Per Metre	207.95	442.30		Correction vide A&C No.I dated 2.9.98
	ii) 4½" (113 mm) thick drip course cornice.	Per Rft	71.90	237.35	Per Metre	235.85	778.50		
	iii) 4½" (113 mm) thick eave brick with back brick.	Per Rft	49.10	256.75	Per Metre	161.05	842.15		
27	Laying dressed or moulded brick cornices in 1:6 cement mortar, plastering or painting complete:-							21.1 to 21.2	
	i) 1 brick	Per Rft	71.90	109.25	Per Metre	235.85	358.35		
	ii) 2 bricks	Per Rft	105.95	220.40	Per Metre	347.50	722.90		
	iii) 3 bricks	Per Rft	141.40	332.65	Per Metre	463.80	1,091.10		
	iv) 4 bricks	Per Rft	177.90	443.65	Per Metre	583.50	1,455.15		
28	Cleaning bricks dismantled from kacha pacca masonry	1,000 Nos	2,633.40	--	1,000 Nos	2,633.40	-		
29	Scraping bricks dismantled from pacca masonry	1,000 Nos	4,965.85	--	1,000 Nos	4,965.85	-		
30	Providing and laying 2" (50 mm) thick and 15" (375 mm) projected tile band, laid in 1:2 cement sand mortar, with hoop iron 1" (25 mm) wide 18 gauge flat iron sheet 9" apart.	Per Rft	266.05	463.15	Per Metre	872.65	1,519.15		
31	First class brick tiles clad by laying tiles in stretcher course in cement sand mortar reinforced with 18 SWG hoop iron strips bonding placed at 2.0' (600 mm) apart horizontally, and at 1.0' (300 mm) interval vertically.								This item is to be executed only under the written permission of the Superintending Engineer.
	i) 1:3	100Sft.	4,969.80	20,644.10	Per Sqm	534.75	2,221.30		
	ii) 1:4	100Sft.	4,969.80	19,885.20	Per Sqm	534.75	2,139.65		
32	Chamfering sides of head regulators and masonry walls to increase width.	Per Sft.	141.90	--	Per Sqm	1,526.85	-		
33	Replacing kallar eaten bricks	Each	110.55	123.95	Each	110.55	123.95		
34	Repairing corners of bridges and other hydraulic masonry works	Each	709.50	918.70	Each	709.50	918.70		
35	Extra labour for drains of bath rooms, etc.	Per Rft	59.40	--	Per Metre	194.85			
36	Maroo corners	Each Corner	380.15	--	Each Corner	380.15			Payable in addition to brick work

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
37	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing, complete in all respect as approved and directed by the Engineer Incharge. i. 2-1/4" x 2-1/4" x 9" ii. 2-1/4" x 3" x 9"	Per Sft Per Sft	105.30 94.65	259.80 224.80	Per Sqm Per Sqm	1,132.90 1,018.35	2,795.70 2,418.80		Carriage charges of Fare Face Gutka shall be paid seprately
38	Providing and laying 4-1/2" thick fair face Special brick Cladding (9"x4-1/2"x3") laid in (1:3) cement / red posso mortar having 1/4" thick groove finish i/c the cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing, complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	99.30	268.15	Per Sqm	1,068.45	2,885.15	21.1	Carriage charges of Fare Face Special Bricks shall be paid seprately



CHAPTER NO.8 (STONE MASONRY)

- 1 The composite rates do not include the carriage of stone or spawl which will be paid separately by road and/or rail whichever means of transport is adopted. The supply and carriage to site of work of all other materials is included in the composite rates.
- 2 The payment of carriage of stone or spawl will be made on the basis of the actual stack measurement (without any reduction factor) of the stone or spawl carried.
- 3 Where the stone or spawl is issued from stock and the contractor is paid for its carriage and/or labour only; or where the stone or spawl is supplied, carried or handled by the contractor in which no laying is required, the actual stack measurement (without any reduction factor) shall form the basis of the payment of supply or carriage of stone or spawl. The quantity of finished and completed item of work shall form the basis of laying.
- 4 Rates for all finished work include the removal of surplus debris, unused material and byproducts.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Random, rubble masonry (uncoursed), in foundation and plinth:							22.10, 22.11	
	a) dry masonry	100 Cft.	10,395.00	12,315.00	Per Cum	3,671.50	4,349.65		
	b) in mud mortar	100 Cft.	12,998.70	15,310.20	Per Cum	4,591.15	5,407.55		
	c) in lime, sand mortar 1:2	100 Cft.	19,859.40	30,779.40	Per Cum	7,014.35	10,871.30		
	d) in cement, sand mortar								
	i) ratio 1:3	100 Cft.	19,859.40	37,412.40	Per Cum	7,014.35	13,214.05		
	ii) ratio 1:4	100 Cft.	19,859.40	34,566.60	Per Cum	7,014.35	12,208.90		
	iii) ratio 1:6	100 Cft.	19,859.40	31,309.60	Per Cum	7,014.35	11,058.55		
	iv) ratio 1:8	100 Cft.	19,859.40	29,507.40	Per Cum	7,014.35	10,422.00		
2	Coursed rubble masonry hammer dressed, in foundation and plinth:							22.8	
	a) dry masonry	100 Cft.	12,771.00	14,691.00	Per Cum	4,510.70	5,188.85		
	b) in mud mortar	100 Cft.	17,978.40	20,289.90	Per Cum	6,349.95	7,166.40		
	c) in lime, sand mortar 1:2	100 Cft.	22,116.60	32,032.70	Per Cum	7,811.60	11,313.95		
	d) in cement, sand mortar:								
	i) ratio 1:3	100 Cft.	22,116.60	38,742.60	Per Cum	7,811.60	13,683.90		
	ii) ratio 1:4	100 Cft.	22,116.60	36,213.00	Per Cum	7,811.60	12,790.45		
	iii) ratio 1:6	100 Cft.	22,116.60	33,317.05	Per Cum	7,811.60	11,767.60		
	iv) ratio 1:8	100 Cft.	22,116.60	31,724.50	Per Cum	7,811.60	11,205.10		
3	Random rubble masonry (uncoursed) in ground floor or 20 ft.(6 m) height, building/other than building.							22.10	
	a) dry masonry	100 Cft.	11,583.00	13,503.00	Per Cum	4,091.10	4,769.25		
	b) in mud mortar	100 Cft.	15,602.40	17,913.90	Per Cum	5,510.75	6,327.20		
	c) in lime, sand mortar 1:2	100 Cft.	21,522.60	32,442.60	Per Cum	7,601.80	11,458.75		
	d) in cement, sand mortar:								
	i) ratio 1:3	100 Cft.	21,522.60	39,075.60	Per Cum	7,601.80	13,801.50		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) ratio 1:4	100 Cft.	21,522.60	36,229.80	Per Cum	7,601.80	12,796.35		
	iii) ratio 1:6	100 Cft.	21,522.60	32,972.80	Per Cum	7,601.80	11,646.00		
	iv) ratio 1:8	100 Cft.	21,522.60	31,170.60	Per Cum	7,601.80	11,009.45		
4	Coursed rubble masonry hammer dressed, in ground floor or 20 ft. (6 m) height, building/other than building.							22.8	
	a) dry masonry	100 Cft.	14,899.50	16,819.50	Per Cum	5,262.50	5,940.65		
	b) in mud mortar	100 Cft.	22,235.40	24,529.50	Per Cum	7,853.55	8,663.80		
	c) in lime, sand mortar 1:2	100 Cft.	24,839.10	34,755.20	Per Cum	8,773.15	12,275.55		
	d) in cement, sand mortar:								
	i) ratio 1:3	100 Cft.	24,839.10	41,465.10	Per Cum	8,773.15	14,645.45		
	ii) ratio 1:4	100 Cft.	24,839.10	38,935.50	Per Cum	8,773.15	13,752.00		
	iii) ratio 1:6	100 Cft.	24,839.10	36,039.55	Per Cum	8,773.15	12,729.15		
	iv) ratio 1:8	100 Cft.	24,839.10	34,447.00	Per Cum	8,773.15	12,166.70		
5	Ashlar block in course or scabbled masonry (including dressing, etc.) in ground floor or 20 ft. (6 m) height, building/other than building.							22.5 & 22.6	
	a) in lime, sand mortar 1:2	100 Cft.	65,359.80	74,101.05	Per Cum	23,085.10	26,172.50		
	b) in cement, sand mortar:								
	i) ratio 1:3	100 Cft.	65,359.80	78,524.25	Per Cum	23,085.10	27,734.75		
	ii) ratio 1:4	100 Cft.	65,359.80	76,627.05	Per Cum	23,085.10	27,064.65		
	iii) ratio 1:6	100 Cft.	65,359.80	74,476.90	Per Cum	23,085.10	26,305.25		
6	Ashlar fine masonry (including dressing, etc.) in ground floor or 20 ft. 6 m) height, building/other than building.							22.3 (A) to (C) & 22.4	
	a) in lime, sand mortar 1:2	100 Cft.	118,374.30	125,278.20	Per Cum	41,809.80	44,248.25		
	b) in cement, sand mortar:								
	i) ratio 1:3	100 Cft.	118,374.30	127,489.80	Per Cum	41,809.80	45,029.40		
	ii) ratio 1:4	100 Cft.	118,374.30	126,539.75	Per Cum	41,809.80	44,693.85		
	iii) ratio 1:6	100 Cft.	118,374.30	125,485.55	Per Cum	41,809.80	44,321.50		
7	Extra labour on items 3, 4, 5 & 6 above for work in:-								
	i) first floor	100 Cft.	2,791.80	-	Per Cum	986.05	-		
	ii) second floor	100 Cft.	6,193.45	-	Per Cum	2,187.55	-		
	iii) third floor	100 Cft.	9,670.30	-	Per Cum	3,415.55	-		
	iv) fourth floor	100 Cft.	15,269.75	-	Per Cum	5,393.30	-		
8	Extra labour on items 3,4,5 & 6 above for every 5 ft.(1.5 m) additional height, other than building, or part thereof.	100 Cft.	2,455.20	-	Per Cum	867.20	-		
9	Extra labour for arch work in stone masonry, including centering and decentring, etc.	100 Cft.	7,108.00	-	Per Cum	2,510.55	-	22.12	
10	Extra labour for:-							22.7	
	a) coping and caps, etc.	100 Cft.	34,214.40	-	Per Cum	12,084.55	-		
	b) cornice & string course	100 Rft.	34,214.40	-	Per Meter	1,122.25	-		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
11	Dressing stones:-							22.2	
	a) hammer dressed	100 Sft.	13,266.00	-	Per Sqm	1,427.40	-		i) This rate of dressing shall be paid only when the supply of undressed stone is made. ii) In case of masonry, dressing is already included and this rate shall not be added thereto. iii) Only dressed surface of stone shall be measured.
	b) rough tooled dressed	100 Sft.	25,027.20	-	Per Sqm	2,692.95	-		
	c) chisel dressed	100 Sft.	30,333.60	-	Per Sqm	3,263.90	-		
	d) fine dressed	100 Sft.	62,647.20	-	Per Sqm	6,740.85	-		
12	Dhajji walling 5"x5" (125 mmx125 mm) thick deodar framing with stone laid in 1:6 cement sand mortar, and 1:4 cement sand plaster on both sides.	100 Sft.	26,209.60	54,978.55	Per Sqm	2,820.15	5,915.70	22.13	
13	Providing and fixing stone blocks from 2 Cft. (0.6 cu.m) to 6 Cft (0.17 cu.m). each including lift upto 20 ft. (6 m)	Per Cft.	1,160.30	1,220.35	Per Cum	40,981.80	43,102.75		
14	Providing and fixing stone blocks, under 2 Cft. (06 cu.m) each including lift upto 20 ft. (6 m)	Per Cft.	660.35	732.30	Per Cum	23,323.55	25,864.85		

Finance Department

CHAPTER NO.9 (ROOFING)

Rates for all finished works include the removal of surplus debris unused material and byproducts.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	First class tile roofing, consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leaping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m hot bitumen coating sand blinded, provided over 2 layers of tiles 12"x6"x1¼" (300x150x30 mm) laid in 1:6 cement mortar with ½" (13 mm) thick sand wiched layer of 1:6 cement mortar, including 1:2 cement pointing underside of tiles, complete, including curing, etc.	100Sft.	17,867.50	32,088.40	Per Sqm	1,922.55	3,452.70	23.1	Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.
2	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leaping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m of hot bitumen coating sand blinded, provided over one layer of 12"x6"x2" (300x150x50 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc.	100Sft.	13,796.65	24,204.90	Per Sqm	1,484.50	2,604.45	23.2	ditto
3	Covering mud roof with coal tar, and fine sand.	100Sft.	755.35	2,332.30	Per Sqm	81.30	250.95	23.1 to 23.2	ditto
4	Filling spaces in between:-								
	a) Wooden battens over beams, filled with deodar wood pieces (spacers).	100Sft.	1,419.00	8,293.30	Per Sqm	152.70	892.35		Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.
	b) RCC battens, filled with CC block 1:3:6.	roof area	2,645.30	3,503.20		284.65	376.95		
	c) Spaces filled with bricks.	-ditto-	731.00	1,793.90		78.65	193.00		
5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	100Sft.	4,369.20	13,539.65	Per Sqm	470.15	1,456.85	23.1	ditto
6	Jack arch roofing 4½" (113 mm) thick laid in 1:5 cement mortar, including an average depth of 4" (100 mm) cement concrete in haunches and over crown, with 3" (75 mm) earth and 1" (25 mm) plaster, soffits of arches cement plaster 1:6 and ½" (13 mm) thick. The rate also includes bitumen coating, centring, laying skew bricks in cement mortar (1:3), and encasing exposed flanges of the joints with fine cement concrete 1:2:4 using stone aggregate:-							23.3 to 23.5	For steel part and its erection etc. items 10 & 14 under Chapter IRON WORK be referred. Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.
	a) cement concrete in haunches 1:6:12.	100Sft.	19,657.45	45,747.40	Per Sqm	2,115.15	4,922.40		
	b) cement concrete in haunches 1:3:6.	ditto	19,657.45	49,078.85	Per Sqm	2,115.15	5,280.90		
7	Jack arch roofing 4½" (113 mm) thick laid in 1:5 cement mortar, including an average depth of 4" (100 mm) cement concrete in haunches and over crown, with ½" (13 mm) cement plaster 1:6 on top (except earth filling mud plaster							23.3 to 23.5	For steel part and its erection etc. items 10 & 14 under Chapter IRON WORK be referred.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	and gobri) soffit of arches cement plastered. The rate also includes bitumen coating, centring, laying skew bricks in cement sand mortar (1:3), and encasing exposed flanges of the joints with fine cement concrete 1:2:4 using stone aggregate:-								Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.
	a) cement concrete in haunches 1:6:12.	100Sft.	15,974.65	45,670.45	Per Sqm	1,718.85	4,914.15		
	b) cement concrete in haunches 1:3:6.	ditto	15,974.65	44,785.30	Per Sqm	1,718.85	4,818.90		
8	Extra for vaulted jack arch roofing.	100Sft.	3,801.60		Per Sqm	409.05	-		ditto
9	Jack arch roofing of shingle and cement concrete 1:3:6, 4½" (113 mm) thick at crown, with ½" (13 mm) cement plaster including cost of supplying, erecting and dismantling centring.	100Sft.	22,393.80	39,683.60	Per Sqm	2,409.55	4,269.95	23.3 to 23.5	ditto
10	Earth filling over roof including watering, ramming with 1" (25 mm) mud plaster finished, with gobri leaping:							23.1 to 23.3	Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively.
	a) 3" (75 mm) thick earth filling and 1" (25 mm) mud plaster	100Sft.	1,915.35	2,646.05	Per Sqm	206.10	284.70		
	b) 4" (100 mm) thick earth filling and 1" (25mm) mud plaster	100Sft.	2,508.25	3,325.95	Per Sqm	269.90	357.85		
11	1/8" (3 mm) thick gobri leaping on roofs or floors.	100Sft.	266.10	330.25	Per Sqm	28.65	35.55	ditto	ditto
12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	100Sft.	1,504.80	4,791.50	Per Sqm	161.90	515.55	23.1	
13	Providing & Fixing corrugated galvanized iron sheets with G.I. bolts, nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:-							23.7	Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively, on items 13 to 18.
	a) 20 BWG	100Sft.	2,838.00	48,197.95	Per Sqm	305.35	5,186.10		
	b) 22 BWG	100Sft.	2,838.00	41,682.35	Per Sqm	305.35	4,485.00		
	c) 24 BWG	100Sft.	2,838.00	33,803.00	Per Sqm	305.35	3,637.20		
14	Khassi parnalas in cement, sand mortar 1:2, 12" (300 mm) outside width finished smooth with a floating coat of neat cement.	Rft.	201.55	257.85	Per Metre	661.10	845.75	23.10	
15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	757.15	1,155.30	Each	757.15	1,155.30	23.10	
16	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	Each	757.15	2,283.45	Each	757.15	2,283.45	23.10	
17	Plain galvanized iron sheets 22 SWG rain water down pipe including clamp and fixing in position.								
	a) 4" (100 mm) diameter down pipe	Per Rft.	159.20	484.25	Per Metre	522.20	1,588.35		
	b) 5" (125 mm) diameter down pipe	Per Rft.	159.20	561.35	Per Metre	522.20	1,841.25		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
18	Plain galvanized iron sheet flashing, 22 gauge.	Per Sft.	159.20	409.40	Per Sqm	1,713.00	4,405.15	23.11	Add extra 13%, 32% & 51% on labour rates only or 6%, 15% & 23% on composite rates for 2nd, 3rd, 4th & sub-sequent floors, respectively, on items 19 to 24
19	Providing and fixing 1/16" (1.5 mm) thick lead flashing over roof expansion joint complete in all respects.	Per Sft.	47.50	209.90	Per Sqm	511.10	2,258.50		
20	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-								
a)	4" dia (100 mm) cast iron down pipe.	Per Rft.	141.90	491.20	Per Metre	465.45	1,611.15		
b)	3" dia (75 mm) cast iron down pipe.	Per Rft.	141.90	448.15	Per Metre	465.45	1,469.95		
21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	596.95	1,389.55	Each	596.95	1,389.55		
22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	212.85	699.35	Each	212.85	699.35		
23	Plain GI sheet iron spouts fixed in position, including painting.	Each	663.30	1,044.55	Each	663.30	1,044.55	23.10	
24	Laying ½" (13 mm) thick deodar ceiling complete, including sawing, planing and fixing.	100Sft.	15,147.00	68,394.10	Per Sqm	1,629.80	7,359.20	26.1	
25	Flat sheet roof with galvanized iron plain sheets, including battens, rolls, screws, clips etc. (Planking to be paid for separately):-								
a)	22 BWG sheets roofing	100Sft.	9,028.80	51,703.15	Per Sqm	971.50	5,563.25	23.60	
b)	24 BWG sheets roofing	100Sft.	9,028.80	46,718.30	Per Sqm	971.50	5,026.90		
26	Asbestos cement corrugated sheet roofing including necessary overlaps, and GI hook bolts, nuts, screws, washers and bitumen washers, etc. (excluding valleys and ridges, etc).	100Sft.	6,138.00	22,022.40	Per Sqm	660.45	2,369.60	23.8	
27	Extra labour for erection of GI sheets, flat sheet or asbestos sheet roofing, above 20' (6.10 m) height in difficult position, including lifting with care and special scaffolding along live electric wires.	100Sft.	722.05	--	Per Sqm	77.70	-	23.6	
28	Fixing asbestos cement sheet ridges and valleys ¼" (6 mm) thick.	Per Rft.	73.25	185.60	Per Metre	240.25	608.75	23.8	
29	Plain galvanized iron sheet ridging, including fixture, timber for ridge roll and ridge sheeting:-							23.6	
a)	6" (150 mm) lap and 18" (450 mm) overall, of 22 gauge G.I sheet ridging.	Per Rft.	199.00	1,394.05	Per Metre	652.70	4,572.50		
b)	9" (225 mm) lap and 24" (600 mm) overall, of 24 gauge G.I sheet ridging.	Per Rft.	255.40	1,363.20	Per Metre	837.70	4,471.30		
c)	12" (300 mm) lap and 30" (750 mm) overall, of 22 gauge G.I sheet ridging.	Per Rft.	255.40	1,586.00	Per Metre	837.70	5,202.10		
30	Plain 22 gauge G.I sheet gutter semi circular 8" (200 mm) dia meter.	Per Rft.	127.70	491.20	Per Metre	418.85	1,611.15	23.11	
31	Making masonry ventilators in cement, sand mortar 1:4	Each	2,838.00	3,935.85	Each	2,838.00	3,935.85		
32	Fixing water spouts or parnalas.	Each	851.40	--	Each	851.40	-	23.10	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
33	Making drip course 2"x½" (50x13 mm) under RCC slab edges in outer opening, in cement, sand mortar 1:2.	Per Rft.	35.95	39.35	Per Metre	117.90	129.05		
34	Supplying and laying of twin G.I sheet 20 SWG duly painted with bitumen, with polythene film in between 300 gauge, to provide a sliding joint under the bearing of the beams, including 3" (75 mm) long, 3/8" (10 mm) dia bar to act as holdfast on wall and beam.	Per Sft.	104.60	915.00	Per Sqm	1,125.50	9,845.40		
35	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:-								
	i) Thermopore sheet ½" (13 mm) thick	100Sft.	6,741.90	17,264.00	Per Sqm	725.45	1,857.60		
	ii) Thermopore sheet ¾" (20 mm) thick	100Sft.	6,741.90	18,146.00	Per Sqm	725.45	1,952.50		
	iii) Thermopore sheet 1" (25 mm) thick	100Sft.	6,753.80	18,787.85	Per Sqm	726.70	2,021.55		
36	Providing and fixing AC rain water down pipe 4" (100 mm) dia, with shoe, T-bend, clamp, etc.	Rft.	42.55	447.70	Per Metre	139.55	1,468.45		
37	Making jharries in existing brick masonry for providing recesses for bearing of RCC roof slab, including repairing the damaged face:-								Rate will be increased by 1.5 time for stone masonry or plain; concrete; and 2 times for reinforced cement concrete.
	i) for slabs upto 6" (150 mm) thick	Rft.	47.50	52.45	Per Metre	155.80	172.05		
	ii) for slabs exceeding 6" to 12" (150 to 300 mm) thick.	Rft.	80.70	89.70	Per Metre	264.70	294.20		
38	Making recess in existing brick masonry for bearing of beam, girder, R.S. Joist, etc. including repairing damaged face:-								Rates will be increased by 1.5 times for stone masonry and plain cement concrete and two times for reinforced cement concrete.
	i) upto 1.0' (300 mm) height of girder or beam.	Each	198.00	214.45	Each	198.00	214.45		
	ii) for every 6" (150 mm) additional height or part thereof.	Each	95.05	102.95	Each	95.05	102.95		
39	Hoisting RS. Beams and wooden beams and placing in position.	Each	801.90	-	Each	801.90	-		
40	Hoisting and placing in position sahl ballies, over roof.	Each	121.65	-	Each	121.65	-		
41	Hoisting precast R.C.C/prestressed concrete battens and placing in position.								
	a) 5' to 6' (1.50 to 1.83 m) long	Each	114.55	-	Each	114.55	-		
	b) 6' to 7' (1.83 to 2.13 m) long	Each	160.40	-	Each	160.40	-		
	c) 7' to 8' (2.13 to 2.44 m) long	Each	200.50	-	Each	200.50	-		
	d) 8' to 9' (2.44 to 2.74 m) long	Each	267.30	-	Each	267.30	-		
	e) above 9' (2.74 m) length	Each	320.75	-	Each	320.75	-		
42	Hoisting and placing in position R.C. trough:								Applicable only to roof trough (inverted tees & trough) for height of 1st storey only.
	a) upto 10' (3 m) in length	Each	320.75	-	Each	320.75	-		
	b) 10' to 11' (3 to 3.36 m) in length	Each	400.95	-	Each	400.95	-		
	c) 11' to 12' (3.36 to 3.66 m) in length	Each	534.60	-	Each	534.60	-		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	d) 12' to 13' (3.66 to 3.96 m) in length	Each	616.85	-	Each	616.85	-		
	e) 13' to 14' (3.96 to 4.26 m) in length	Each	668.25	-	Each	668.25	-		
	f) 14' to 15' (4.26 to 4.57 m) in length	Each	729.00	-	Each	729.00	-		
	g) 15' to 16' (4.57 to 4.88 m) in length	Each	801.90	-	Each	801.90	-		
	h) 16' to 17' (4.88 to 5.19 m) in length	Each	891.00	-	Each	891.00	-		
	i) 17' to 18' (5.19 to 5.49 m) in length	Each	1,145.55	-	Each	1,145.55	-		
	j) 18' to 19' (5.49 to 5.80 m) in length	Each	1,233.70	-	Each	1,233.70	-		
	k) 19' to 20' (5.80 to 6.10 m) in length	Each	1,336.50	-	Each	1,336.50	-		
43	Hoisting and placing in position R.C. inverted battens:-								
	i) upto 10' (3.05 m) span	Each	247.50	-	Each	247.50	-		
	ii) from 10' to 12' (3.05 to 3.66 m) span	Each	550.00	-	Each	550.00	-		
	iii) from 12' to 13' (3.66 to 3.96 m) span	Each	660.00	-	Each	660.00	-		
	iv) from 13' to 14' (3.96 to 4.26 m) span	Each	825.00	-	Each	825.00	-		
	v) from 14' to 15' (4.26 to 4.57 m) span	Each	900.00	-	Each	900.00	-		
	vi) from 15' to 16' (4.57 to 4.88 m) span	Each	990.00	-	Each	990.00	-		
	vii) from 16' to 18' (4.88 to 5.49 m) span	Each	1,237.50	-	Each	1,237.50	-		
	viii) from 18' to 20' (5.49 to 6.10 m) span	Each	1,980.00	-	Each	1,980.00	-		
44	Reinforced cement concrete spout, including fixing in position, with top and bottom Khurras.	Each	1,135.20	1,694.90	Each	1,135.20	1,694.90		
45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position. complete in all respect.								
	a) 1" thick	% Sft	950.40	8,510.40	Per Sqm	102.25	915.70		
	b) 1-1/2" thick	% Sft	950.40	12,290.40	Per Sqm	102.25	1,322.45		
	c) 2" thick	% Sft	950.40	15,440.40	Per Sqm	102.25	1,661.40		
46	Providing and applying torch-on water proofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge							23.1	
	a) Plain								
	i) 3 mm thick	Per Sft	18.60	119.10	Per Sqm	200.40	1,281.80		
	ii) 4 mm thick	Per Sft	18.60	125.10	Per Sqm	200.40	1,346.35		
	b) Aluminum Foiled								
	i) 3 mm thick	Per Sft	18.60	155.10	Per Sqm	200.40	1,669.15		
	ii) 4 mm thick	Per Sft	18.60	162.30	Per Sqm	200.40	1,746.60		
47	Providing and applying 15-20 micron thick high density (40 gm/m2) plain/self adhesive super polyshield combined reinforced (Polyster & fiberglass) fabric memberane for water proofing, applied over a layer of hot bitumen (grade 60/70) @ 8 kg/100 Sft and sandwiched with a 2nd layer of bitumen @ 8 kg/100 sft (grade 60/70) duly sand blended i/c preparation of surface complete in all respect as approved and directed by the Engineer Incharge	Per Sft	23.95	111.00	Per Sqm	257.65	1,194.10		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.								
	i) 6 mm thick	Per Sft	26.60	148.15	Per Sqm	286.30	1,594.05		
	ii) 7.5mm thick	Per Sft	26.60	154.45	Per Sqm	286.30	1,661.80		
	iii) 9 mm thick	Per Sft	26.60	156.95	Per Sqm	286.30	1,688.95		
	iv) 12 mm thick	Per Sft	26.60	163.25	Per Sqm	286.30	1,756.70		
49	Providing and fixing Gypsum Board Ceiling / Bulkhead as per ASTM standard (C 1396) using sheet in size as specified, screwed (3.5mm x 25mm) to furring channel, including 0.5mm thick G.I wall angle (25 mmx25mm) along the perimeter of the ceiling, 0.5mm thick G.I furring channels,of 35 mm x 22 mm x 22mm, with lips of 10 mm, at 600mm c/c distance, fixed to 0.8mm thick primary G.I channels of (35 mm x 10 mm x 10mm) at 1200mm c/c distance, suspended from the soffit with 6mm adjustable threaded Screws fixed with steel expansion fasteners etc. with provision of ceiling fixtures, complete in all respects and as approved by the Engineer.All joints are sealed with premium quality fiberglass tape, joint filler, including rubbing, finishing complete in all respect.								
	i) Gypsum Board Size 4'x8'x 9-mm thick	Per Sft	41.35	198.85	Per Sqm	444.75	2,139.75		
	ii) Gypsum Board Size4'x8'x 12-mm thick	Per Sft	41.35	202.45	Per Sqm	444.75	2,178.50		
50	Providing and fixing Drywall Partition (4" thick) which consist of Gypsum Board sheet screwed to G.I Track U Channel (72mm x 32mmx 32mm x 0.50mm thick) fixed at top & bottom Horizontally and G.I Studs (C-Channel) size (70mm x 34mm x 36mm x 0.50mm thick) at equal vertical interval @ 2' C/C fit within the channel sections to form the frame work, including 12mm gypsum board (confirming to ASTM 1396) on both sides with infill insulation material (rockwool) i/c of jointing compound, self adhesive fiberglass tape for covering the joints between the drywall panels, corner angle bead, Smart Screws (3.5mm x 25mm), flex metal corner tape, for smooth and homogeneous look, grinding the exposed compound with abrasive paper, complete in all respects, as per specification and as approved by The Engineer.								
		Per Sft	52.00	389.90	Per Sqm	559.25	4,195.50		
50	P/L false ceiling comprising of 5/8" thick plaster of paris sheet of required size in approved design with one line of 6" wide niche all around , hanging with Copper wire (16 SWG) duly enriched with POP and flaxen i/c the cost of making space for rope light /screws/jute/making holes for lights and rawal plugs complete in all respects as approved and directed by the Incharge.(Measurement will be made as per carpet Area).	Per Sft	36.95	116.90	Per Sqm	397.60	1,257.80		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
51	Providing and laying high density single profile spanish glazed tapered barrel type of 4"- 5-1/2" dia Terra Cotta Khaprail Tile dipped or sealed with a water repellent, with Terra Cotta base plate (10"x16"), resistant to salt attack laid with laps and duly interlocked on slopping roof over 1/2" thick (1:3) cement sand mortar i/c cost of all material and labour complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	84.60	177.65	Per Sqm	910.15	1,911.25	23.1	



CHAPTER NO.10 (FLOORING)

Rates for all finished works include the removal of surplus debris, unused material and byproducts

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
1	Laying Murum flooring, consisting of 1"(25 mm) layer of fine powdery or flakey variety of Murum, laid over 6"(150 mm) good hard layer of Murum spreaded over 9"(225 mm) thick sub-base comprising of hand packed rubble or broken bricks properly watered and rammed, provided over well rammed earth.	100 Sft.	7,781.40	10,742.70	Per Sqm	837.30	1155.90		
2	Earth flooring, consisting of 6"(150 mm) thick consolidated layer of moistened earth, including ramming.	100 Sft.	2,653.20	3,088.20	Per Sqm	285.50	332.30	24.1	
3	Supplying and filling sand under floor; or plugging in wells.	100Cft.	627.00	3,747.00	Per Cum	221.45	1,323.45		
4	Providing, laying, watering and ramming brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	100 Cft.	6,021.20	12,981.20	Per Cum	2,126.70	4,584.95		
5	Mud flooring, consisting of 6"(150 mm) thick consolidated layer of moistened earth and finished off with 1"(25 mm) mud plaster and gobi leeping.	100 Sft.	4831.20	5,751.20	Per Sqm	519.85	618.85	24.2	
6	Dry brick paving laid flat, sand grouted, including preparation of bed by watering, ramming and bringing the same to proper camber, by ½"(13 mm) thick mud plaster.	100 Sft.	2531.25	8,304.45	Per Sqm	272.35	893.55	24.12	
7	Dry brick on edge paving, sand grouted, including preparation of bed by watering, ramming & bringing the same to proper camber, by ½"(13 mm) thick mud plaster.	100 Sft.	4565.50	13,152.40	Per Sqm	491.25	1,415.20	24.12	
8	Grouting 4½"(113 mm) dry brick work with cement mortar ratio 1: 5	100 Sft.	2463.10	3,737.50	Per Sqm	265.05	402.15		
9	Flat brick flooring laid in 1:6 cement mortar, over a bed of ¾" (20 mm) thick cement mortar, 1:6.	100 Sft.	4443.10	12,426.10	Per Sqm	478.10	1,337.05	24.4	
10	Brick on edge flooring, laid in 1:6 cement mortar, over a bed of ¾" (20 mm) thick cement mortar 1:6.	100 Sft.	5,670.70	17,226.40	Per Sqm	610.15	1,853.55	24.4	
11	Brick tiles (12"x6"x2") (300x150x50mm) laid in 1:6 cement mortar, over a bed of ¾" (20 mm) thick cement mortar 1:6.	100 Sft.	5,553.90	11,617.50	Per Sqm	597.60	1250.05	ditto	
12	Brick tiles (9"x4½"x1½") (225 mm x 113 mm x 40 mm) laid flat in 1:3 cement mortar, over a bed of ¾" (20 mm) thick cement mortar 1:6.	100 Sft.	6,147.90	13,326.30	Per Sqm	661.50	1,433.90	24.4	
13	Cement tiles (8"x8"x¾") (200 x 200 x 20 mm) laid flat in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2.	100 Sft.	3,689.15	23,281.20	Per Sqm	396.95	2,505.05	24.7	
14	Cement concrete tiles laid in 1:2 cement mortar, over ¾" (20 mm) thick bed of cement mortar 1:2:-							24.8	
	(a) 12"x12"x1" (300 x 300 x 25 mm)	100 Sft.	3,689.15	15,399.85	Per Sqm	396.95	1,657.00		
	(b) 9"x9"x¾" (225 x 225 x 20 mm)	100 Sft.	3,689.15	20,686.45	Per Sqm	396.95	2,225.85		
	(c) 6"x6"x¾" (150 x 150 x 20 mm)	100 Sft.	3,689.15	30,099.00	Per Sqm	396.95	3,238.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
15	Coloured cement tiles (8"x8"x¾") (200 x 200 x 20 mm) of approved dark shade laid flat in 1:2 cement mortar, over ¾" (20 mm) bedding mortar of 1:2.	100 Sft.	3,689.15	23,365.40	Per Sqm	396.95	2,514.10	24.7	
16	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:-							24.9	If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42.
	(a) 1" (25 mm) thick	100 Sft.	4,100.60	7,131.65	Per Sqm	441.25	767.35		
	(b) 1¼" (30 mm) thick	100 Sft.	4,100.60	7,808.80	Per Sqm	441.25	840.25		
	(c) 1½" (40 mm) thick	100 Sft.	5,136.10	9,521.50	Per Sqm	552.65	1,024.50		
	(d) 1¾" (45 mm) thick	100 Sft.	5,136.10	10,226.40	Per Sqm	552.65	1,100.35		
	(e) 2" (50 mm) thick	100 Sft.	6,171.65	12,105.65	Per Sqm	664.05	1,302.55		
	(f) 2¼" (56 mm) thick	100 Sft.	6,359.75	12,917.65	Per Sqm	684.30	1,389.95		
	(g) 2½" (62 mm) thick	100 Sft.	7,207.20	14,247.80	Per Sqm	775.50	1,533.05		
	(h) 2¾" (70 mm) thick	100 Sft.	7,207.20	15,142.55	Per Sqm	775.50	1,629.35		
	(i) 3" (75 mm) thick	100 Sft.	7,207.20	15,928.70	Per Sqm	775.50	1,713.95		
17	Providing and laying conglomerate flooring (two coat work) with top layer of ½" (13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16" (6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:-							24.10	If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42.
	(a) 1½" (40 mm) thick	100 Sft.	6,067.70	10,405.15	Per Sqm	652.90	1,119.60		
	(b) 1¾" (45 mm) thick	100 Sft.	6,067.70	10,870.25	Per Sqm	652.90	1,169.65		
	(c) 2" (50 mm) thick	100 Sft.	7,697.25	13,160.25	Per Sqm	828.20	1,416.05		
18	Add extra in cement concrete floor topping, if finished with pigment and polishing.	100 Sft.	1,419.00	2,839.95	Per Sqm	152.70	305.60		
19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.	100 Sft.	1,128.60	-	Per Sqm	121.45	-		On items 19-25 & 29-34
20	Flag stone flooring in lime mortar 1:2, over ¾" (20 mm) bedding mortar, in platforms and floors, etc.							24.5	
	(a) 2" (50 mm) thick	100 Sft.	12,236.80	20,821.35	Per Sqm	1316.70	2,240.40		
	(b) 3" (75 mm) thick	100 Sft.	12,236.80	21,852.25	Per Sqm	1316.70	2,351.30		
21	Asphalt flooring, including preparation of proper base remelting, setting out, and finishing complete:-							24.10	
	(a) 1" (25 mm) thick topping	100 Sft.	4,950.00	33,694.70	Per Sqm	532.60	3,625.55		
	(b) ½" (13 mm) thick topping	100 Sft.	3,890.70	18,559.10	Per Sqm	418.65	1,996.95		
	(c) ¼" (6 mm) thick topping	100 Sft.	2,878.90	10,664.55	Per Sqm	309.75	1,147.50		
22	1⅜" (35 mm) thick mosaic flooring, consisting of 3/8" (10 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick flooring of 1:2:4 cement concrete including rubbing and polishing complete :-								If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42.
	(a) using grey cement	100 Sft.	18,657.15	29,290.35	Per Sqm	2,007.50	3,151.65		
	(b) using white cement	100 Sft.	18,657.15	29,978.50	Per Sqm	2,007.50	3,225.70		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
23	1½" (40 mm) thick mosaic flooring, consisting of ½" (13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :- (a) using grey cement (b) using white cement	100 Sft. 100 Sft.	18,657.15 18,657.15	29,631.85 32,726.45	Per Sqm Per Sqm	2,007.50 2,007.50	3,188.40 3,521.35		If glass or marble strips are used for panelling, it will be paid extra as per item No. 41 or 42.
24	Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over ¾" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" ii) 10"x13" iii) 6"x6" iv) 4"x4"	Per Sft Per Sft Per Sft Per Sft	73.35 73.35 73.35 73.35	312.45 278.45 255.75 255.75	Per Sqm Per Sqm Per Sqm Per Sqm	789.35 789.35 789.35 789.35	3,361.95 2,995.90 2,751.85 2,751.85	24.7	
25	Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over ½" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" ii) 10"x13" iii) 6"x6" iv) 4"x4"	Per Sft Per Sft Per Sft Per Sft	73.35 73.35 73.35 73.35	384.55 368.15 332.85 315.25	Per Sqm Per Sqm Per Sqm Per Sqm	789.35 789.35 789.35 789.35	4,137.60 3,961.35 3,581.70 3,391.90	ditto	
26	Rubbing and polishing old grit/ mosaic floor, including repairing voids, uneven surface, complete in all respects.	100 Sft.	3,785.75	4,168.30	Per Sqm	407.35	448.50		The following rates shall be reduced if no polishing is done. Labour Rate Composite Rate 376.20 % Sft 578.60 % Sft
27	Rubbing and polishing grit floor, including repairing voids, uneven surface, complete in all respects	100 Sft.	4,013.85	4,457.00	Per Sqm	431.90	479.55		
28	Cleaning and washing mosaic or marble floor with caustic soda mixture.	100 Sft.	548.05	700.10	Per Sqm	58.95	75.35	24.6	The following rates shall be reduced if no polishing is done. Labour Rate Composite Rate 475.20 % Sft 677.60 % Sft
29	Shisham wood boarding or strip flooring ¾" (20mm) thick (sawn to required size) tongued and grooved or splayed rebated fixed with brass screws on deodar wood battens 1½ "x2" (40 x 50 mm), size placed at 12" (300 mm) centre to centre, including two coats of bitumen laid hot on the base.	100 Sft.	11,880.00	199,094.05	Per Sqm	1278.30	21,422.50	24.13	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
30	Deodar wood boarding or strip flooring 3/4" (20 mm) thick (sawn to required size) tongued and grooved or splayed rebated fixed with brass screws on deodar wood battens 1½"x2" (40 x 50 mm) size, placed at 12" (300 mm) centre, to centre including two coats of bitumen laid hot on the base.	100 Sft.	12,771.00	157,373.00	Per Sqm	1374.15	16,933.35	ditto	
31	Teak wood boarding or strip flooring ½" (13 mm) "thick (sawn to required size) to tongued and grooved screwed on deodar wood battens 1½" x2" (40 x 50 mm) size, placed at 12" (300 mm) centre to centre, including 2 coats of bitumen laid hot on base.	100 Sft.	11,055.00	260,887.40	Per Sqm	1189.50	28,071.50	ditto	
32	Shisham wood block flooring 1" (25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base.	100 Sft.	11,830.50	251,341.20	Per Sqm	1272.95	27,044.30	24.13	
33	Teak wood block 1" (25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base.	100 Sft.	11,055.00	481,806.50	Per Sqm	1189.50	51,842.40	ditto	
34	Laying wooden paving of hard wood on edge in coal tar and asphalt:-	100 Sft.			Per Sqm			ditto	
	(a) Shisham wood	Per Inch thickness	6,930.00	159,186.40	per cm thickness	745.65	17,128.45		
	(b) Kikar wood	ditto	6,930.00	50,669.80	ditto	745.65	5,452.05		
35	Tile skirting laid in 1:2 cement mortar, over ¾" (20 mm) thick cement mortar, 1:2 including cement washing and filling joints complete:-								
	(a) cement tiles	100 Sft.	6,036.90	26,735.45	Per Sqm	649.55	2,876.75		
	(b) mosaic tiles	100 Sft.	9,929.70	37,730.20	Per Sqm	1068.45	4,059.75		
36	Providing grey cement skirting or dado 3/8" (10 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface after plastering :-								
	(a) 1:2 cement, sand mortar	100 Sft.	7,526.20	9,159.40	Per Sqm	809.80	985.55		
	(b) 1:3 cement, sand mortar	100 Sft.	7,526.20	8,675.00	Per Sqm	809.80	933.45		
	(c) Extra if skirting or dado is finished with pigment of any colour.	100 Sft.	470.25	1,234.05	Per Sqm	50.60	132.80		
37	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½" (13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing:								
	(a) using grey cement:								
	i) 3/8" (10 mm) thick	100 Sft.	9,407.75	16,976.40	Per Sqm	1012.25	1,826.65		
	ii) ½" (13 mm) thick	100 Sft.	9,407.75	19,138.70	Per Sqm	1012.25	2,059.30		
	(b) using white cement :								
	i) 3/8" (10 mm) thick	100 Sft.	9,407.75	19,256.65	Per Sqm	1012.25	2,072.00		
	ii) ½" (13 mm) thick	100 Sft.	9,407.75	20,068.35	Per Sqm	1012.25	2,159.35		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
38	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of matching sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile (i) 400 mm x 400 mm (ii) 300 mm x 600 mm (iii) 600mm x 600 mm (iv) 600mmx 1200 mm b) Half body Tile (i) 400mm x400 mm (ii) 300mm x300 mm	Per Sft Per Sft Per Sft Per Sft Per Sft Per Sft Per Sft	73.35 73.35 73.35 73.35 73.35 73.35 73.35	384.55 424.85 451.30 508.00 315.25 272.40	Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm	789.35 789.35 789.35 789.35 789.35 789.35 789.35	4,137.60 4,571.40 4,856.15 5,466.20 3,391.90 2,930.95	24.7	If matt tile will be used, reduce the following composite rates: 18.90 P.Sft or 203.40 P.Sqm 18.90 P.Sft or 203.40 P.Sqm 18.90 P.Sft or 203.40 P.Sqm 18.90 P.Sft or 203.35 P.Sqm 17.65 P.Sft or 189.80 P.Sqm 17.65 P.Sft or 189.80 P.Sqm
39	Providing and laying 3/8" thick Prepolished Marble skirting/risers having uniform texture (spot less) of size 24"x6" of approved quality and shade with adhesive bond over 3/4" thick (1:2) cement sand mortar complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. i) China Verona	Per Sft	94.65	336.00	Per Sqm	1,018.35	3,615.35	24.7	
40	Providing & Laying 1" thick Cove skirting terrazo tile of specified size best quality in approved design with adhesive bond laid over a bed of 1/2" thick (1:2) cement sand mortar i/c the cost of matching sealer for finishing the joints i/c cutting, grinding, rubbing, filling complete in all respect as approved and directed by the Engineer incharge (Without Polishing). a) Size 4"x4"x12" i) Grey ii) Coloured b) Size 4"x4"x24" i) Grey ii) Coloured	Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	31.55 31.55 31.55 31.55 31.55 31.55	192.55 214.10 216.35 240.15	Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter	103.50 103.50 103.50 103.50 103.50 103.50	631.50 702.25 709.60 787.75		
41	Providing and laying 1" thick terrazo tile for specified colour & size full body, best quality with minimum 5000 PSI in approved design with adhesive bond over 3/4" thick 1:3 cement plaster i/c the cost of sealer for finishing the joints i/c cutting, grinding, rubbing, filling. Complete in all respect as approved and directed by the Engineer incharge. (Without Polishing) a) Size 12"x12"x1" i) Grey ii) Coloured b) Size 24"x24"x1" i) Grey ii) Coloured	P.Sft P.Sft P.Sft P.Sft P.Sft P.Sft	102.85 102.85 102.85 102.85 102.85 102.85	353.50 453.05 408.95 518.55	Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm	1,106.65 1,106.65 1,106.65 1,106.65 1,106.65 1,106.65	3,803.50 4,874.55 4,400.05 5,579.55		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
42	Rubber flooring, consisting of 12"x12"x1/8" (300x300x3mm) rubber tiles, laid on firm foundation.	Per Sft.	52.00	263.90	Per Sqm	559.50	2,839.55	24.14	The cost of base for rubber flooring is not included in the rate and is payable separately. Labour for fixing already included in items No. 15, 16, 21 and 22 of this Chapter.
43	Providing and fixing glass strip 5mm thick and 1½" (40 mm) wide, for dividing the mosaic flooring into panels.	Per Rft.	-	8.30	Per Metre	-	27.20		
44	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels								
	a) Size 1½" x ¾" (40 x 10 mm) b) Size 1½" x ¼" (40 x 6 mm)	Per Rft. Per Rft.	- -	39.60 33.00	Per Metre Per Metre	- -	129.90 108.25		
45	Providing and laying Tuff Pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. complete in all respect. (50% Grey / 50% Coloured)								If matt tile will be used, reduce composite rate by Rs. 17.65 P.Sft or 189.80 P.Sqm 17.65 P.Sft or 189.80 P.Sqm 17.60 P.Sft or 189.80 P.Sqm 17.65 P.Sft or 189.80 P.Sqm 18.90 P.Sft or 203.35 P.Sqm 18.90 P.Sft or 203.35 P.Sqm 18.90 P.Sft or 203.40 P.Sqm
	a) 50-mm thick	Per Sft	35.75	182.95	Per Sqm	384.70	1,968.30		
	b) 60-mm thick	Per Sft	35.75	198.60	Per Sqm	384.70	2,137.05		
	c) 80-mm thick	Per Sft	35.75	238.30	Per Sqm	384.70	2,564.15		
46	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.							24.7	
	a) Full body Glazed tiles								
	(i) 400 mm x 400 mm	Per Sft	73.35	384.40	Per Sqm	789.35	4,136.15		
	(ii) 300mmx 600mm	Per Sft	73.35	424.70	Per Sqm	789.35	4,570.00		
	(iii) 600mmx 600 mm	Per Sft	73.35	449.90	Per Sqm	789.35	4,841.15		
	(iv) 600mmx 1200 mm	Per Sft	73.35	507.90	Per Sqm	789.35	5,464.80		
	b) Half body Tile (Semi Glazed)								
	(i) 400mmx400mm	Per Sft	73.35	315.10	Per Sqm	789.35	3,390.50		
	(ii) 300mmx300mm	Per Sft	73.35	268.50	Per Sqm	789.35	2,888.85		
	c) Non-Skid Chequered Tiles								
	(i) 300mmx300mm	Per Sft	73.35	272.25	Per Sqm	789.35	2,929.55		
47	Providing and laying 3/8 inch thick superb class Multani tiles of specified size and design of approved Color and Shade with adhesive bond, over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	Per Sft	113.45	1,301.30	Per Sqm	1,220.75	4,268.35	24.7	
48	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge.							24.7	
	i) 1/2" thick (12"x12"/12"x24")	Per Sft	85.55	467.35	Per Sqm	920.65	5,028.90		
	ii) 3/4" thick (12"x24"/12"x36")	Per Sft	85.55	642.50	Per Sqm	920.65	6,913.40		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite		Labour	Composite		
49	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona ii) Ziarat White	Per Sft Per Sft	73.35 73.35	692.00 2,197.70	Per Sqm Per Sqm	789.35 789.35	7,446.05 23,647.40	24.7	
50	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandum disc as approved and directed by the Engineer Incharge.	Per Rft	35.65	35.95	P.Mtr	116.90	117.90		
51	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	712.80	961.50	Each	712.80	961.50		
52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick (ii) 1/2" thick	Per Sft Per Sft	115.95 115.95	1,233.00 1,170.00	Per Sqm Per Sqm	1,247.40 1,247.40	13,267.30 12,589.40	24.7	
53	Providing and laying Vinyl Sheet Flooring (Homogeneous) of approved colour, shade, texture and quality with anti-chemical, anti-slip, bacterial resistance, fire resistance, anti-fungal, abrasion resistance, joint less welding wall to wall, including laying with approved adhesive material etc. and Specifications, complete in all respects, as approved by the Engineer. i) 2mm thick ii) 3mm thick	Per Sft Per Sft	26.00 26.00	285.00 381.00	Per Sqm Per Sqm	279.65 279.65	3,066.45 4,099.45		
54	Extra cost for making 3-Nos Grooves in Steps/Tread's, complete in all respects, as approved by The Engineer.	Per Rft	9.50	11.05	Per Meter	102.25	119.05		

CHAPTER NO.11 (SURFACE RENDERING)

- 1 PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING AND DISTEMPERING, ETC.
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Mud plaster on walls (excluding Gobri leeping) upto 20' (6.00 m) height:-							25.7	
	a) ½" (13 mm) thick	100 Sft.	1,151.55	1,383.75	Per Sqm	123.90	148.90		
	b) 1" (25 mm) thick	100 Sft.	1,615.20	2,079.60	Per Sqm	173.80	223.75		
2	Mud plaster on floor or roof (excluding Gobri leeping):-							ditto	Add extra 13%, 32% and 51% above the labour rates only or 6%, 15% & 23% on the composite rates for 2nd, 3rd, 4th and subsequent floors, respectively.
	a) ½" (13 mm) thick	100 Sft.	1,038.30	1,270.50	Per Sqm	111.70	136.70		
	b) 1" (25 mm) thick	100 Sft.	1,038.30	1,502.70	Per Sqm	111.70	161.70		
3	Cement lime plaster 1:7:12 (cement, lime and sand) upto 20' (6.00 m) height.							25.1 to 25.6	
	a) ¼" (6 mm) thick	100 Sft.	3,310.55	3,973.45	Per Sqm	356.20	427.55		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	4,635.60	Per Sqm	356.20	498.80		
4	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height:-							ditto	
	a) ¼" (6 mm) thick	100 Sft.	3,310.55	4,609.80	Per Sqm	356.20	496.00		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	5,435.60	Per Sqm	356.20	584.85		
5	2" (50 mm) stucco cement plaster 1:2:4 (cement, sand and shingle) upto 20' (6.00 m) height.	100 Sft.	8,376.20	15,285.05	Per Sqm	901.30	1,644.65	ditto	
6	Providing and laying machine sprayed plaster ½" (13 mm) thick, using cement and chips zero gauge, over the existing plastered and roughened surface, upto 20' (6.00 m) height:-							ditto	
	i) ratio 1:1	100 Sft.	2,862.50	10,865.30	Per Sqm	308.00	1,169.10		
	ii) ratio 1:1½	100 Sft.	2,862.50	11,270.30	Per Sqm	308.00	1,212.70		
	iii) ratio 1:2	100 Sft.	2,862.50	11,497.10	Per Sqm	308.00	1,237.10		
7	Cement plaster 1:2 upto 20' (6.00 m) height:-							25.1 to 25.6	
	a) 3/8" (10 mm) thick	100 Sft.	3,310.55	4,943.75	Per Sqm	356.20	531.95		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	5,429.15	Per Sqm	356.20	584.20		
	c) ¾" (20 mm) thick	100 Sft.	4,161.95	7,428.35	Per Sqm	447.85	799.30		
8	Cement plaster 1:3 upto 20' (6.00 m) height:-							ditto	
	a) 3/8" (10 mm) thick	100 Sft.	3,310.55	4,459.30	Per Sqm	356.20	479.80		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	4,842.25	Per Sqm	356.20	521.05		
	c) ¾" (20 mm) thick	100 Sft.	4,161.95	6,459.50	Per Sqm	447.85	695.05		
9	Cement plaster 1:4 upto 20' (6.00 m) height:-							ditto	
	a) 3/8" (10 mm) thick	100 Sft.	3,310.55	4,327.55	Per Sqm	356.20	465.65		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	4,605.50	Per Sqm	356.20	495.55		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10	c) ¾" (20 mm) thick Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height.	100 Sft.	4,161.95	6,180.35	Per Sqm	447.85	665.00	ditto	i) This item shall be applicable to buildings meant for human habitation only, such as buildings like residences, offices, educational institutions and hospitals, etc. It shall not be admissible on godowns; bins; agriculture, poultry and animal sheds; cycle stands; garrages; etc. ii) The thickness of the plaster will not be more than 3/8" (10 mm) thick.
	a) 1:2	100 Sft.	3,785.75	5,744.50	Per Sqm	407.35	618.10		
	b) 1:3	100 Sft.	3,785.75	5,258.50	Per Sqm	407.35	565.80		
	c) 1:4	100 Sft.	3,785.75	5,126.75	Per Sqm	407.35	551.65		
11	Cement plaster 1:5 upto 20' (6.00 mm) height:-							25.1 to 25.6	
	a) 3/8" (10 mm) thick	100 Sft.	3,310.55	4,214.15	Per Sqm	356.20	453.45		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	4,407.35	Per Sqm	356.20	474.25		
	c) ¾" (20 mm) thick	100 Sft.	4,161.95	5,969.15	Per Sqm	447.85	642.30		
12	Cement plaster 1:6 upto 20' (6.00 mm) height:-							ditto	
	a) 3/8" (10 mm) thick	100 Sft.	3,310.55	4,052.15	Per Sqm	356.20	436.00		
	b) ½" (13 mm) thick	100 Sft.	3,310.55	4,293.95	Per Sqm	356.20	462.05		
	c) ¾" (20 mm) thick	100 Sft.	4,161.95	5,645.15	Per Sqm	447.85	607.40		
13	Applying floating coat of cement 1/32" (0.8 mm) thick.	100 Sft.	1,953.85	2,601.85	Per Sqm	210.25	279.95	25.4 to 25.6	
14	Lime pointing flush upto 20' (6.00 m) height including raking joints, in lime, sand mortar 1:2.	100 Sft.	2,459.15	2,999.15	Per Sqm	264.60	322.70	25.8	
15	Lime pointing struck joints on walls, upto 20' (6.00 m) height, including raking joints in lime sand mortar 1:2.	100 Sft.	3,785.75	4,325.75	Per Sqm	407.35	465.45	ditto	
16	Cement pointing flush upto 20' (6.00 m) height:-							ditto	
	a) ratio 1:2	100 Sft.	3,310.55	4,533.10	Per Sqm	356.20	487.75		
	b) ratio 1:3	100 Sft.	3,310.55	4,247.75	Per Sqm	356.20	457.05		
17	Cement pointing 1:2 flush on floor.	100 Sft.	2,459.15	3,681.70	Per Sqm	264.60	396.15	ditto	
18	Cement pointing struck joints, on walls, upto 20' (6.00 m) height:-								
	a) ratio 1:2	100 Sft.	3,785.75	5,008.30	Per Sqm	407.35	538.90		
	b) ratio 1:3	100 Sft.	3,785.75	4,722.95	Per Sqm	407.35	508.20		
19	Pointing flush on stone work, upto 20' (6.00 m) height.							25.8	
	a) in lime mortar 1:2 (lime, sand)	100 Sft.	3,033.35	3,767.50	Per Sqm	326.40	405.40		
	b) in cement mortar 1:3	100 Sft.	3,033.35	3,970.55	Per Sqm	326.40	427.25		
	c) on stone work raised:-								
	i) in lime mortar 1:2	100 Sft.	5,686.55	6,420.70	Per Sqm	611.85	690.85		
	ii) in cement mortar 1:3	100 Sft.	5,686.55	6,623.75	Per Sqm	611.85	712.70		

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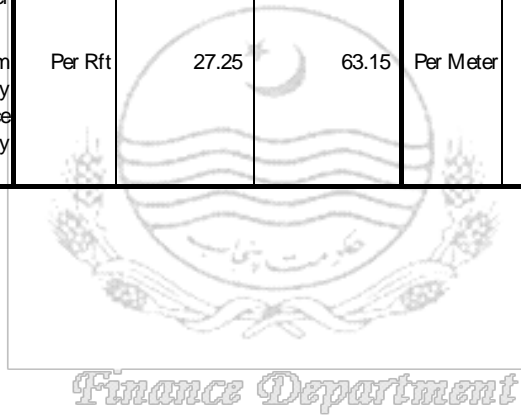
Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
20	Raking and washing joints of stone masonry (old work).	100 Sft.	1,900.80	-	Per Sqm	204.55	-	ditto	
21	Raking and washing joints of brick masonry (old work).	100 Sft.	950.40	-	Per Sqm	102.25	-	ditto	
22	Priming coat of chalk under distemper.	100 Sft.	340.55	393.00	Per Sqm	36.65	42.30	25.11	
23	Distemping:-							ditto	
	a) new surface:-								
	i) one coat	100 Sft.	369.60	876.45	Per Sqm	39.75	94.30		
	ii) two coats	100 Sft.	546.50	1,212.35	Per Sqm	58.80	130.45		
	iii) three coats	100 Sft.	723.35	1,548.20	Per Sqm	77.85	166.60		
	b) old surface:-								
	i) one coat	100 Sft.	337.90	685.80	Per Sqm	36.35	73.80		
	ii) two coats	100 Sft.	546.50	894.35	Per Sqm	58.80	96.25		
24	Colour washing:-							25.10	
	a) new surface:-								
	i) one coat	100 Sft.	318.40	497.10	Per Sqm	34.25	53.50		
	ii) two coats	100 Sft.	477.60	738.60	Per Sqm	51.40	79.45		
	b) old surface:-								
	i) one coat	100 Sft.	318.40	434.25	Per Sqm	34.25	46.75		
	ii) two coats	100 Sft.	477.60	667.55	Per Sqm	51.40	71.85		
25	White washing:-							25.9	
	a) new surface:-								
	i) one coat	100 Sft.	318.40	464.30	Per Sqm	34.25	49.95		
	ii) two coats	100 Sft.	477.60	696.00	Per Sqm	51.40	74.90		
	iii) three coats	100 Sft.	617.75	908.65	Per Sqm	66.45	97.75		
	b) old surface:-								
	i) one coat	100 Sft.	318.40	427.75	Per Sqm	34.25	46.05		
	ii) two coats	100 Sft.	477.60	659.40	Per Sqm	51.40	70.95		
26	Gobri leeping:-							25.7	
	a) on walls	100 Sft.	376.35	393.90	Per Sqm	40.50	42.40		
	b) over roofs	100 Sft.	319.35	336.85	Per Sqm	34.35	36.25		
27	Striking joints of burnt bricks in lime or cement mortar.	100 Sft.	475.20	-	Per Sqm	51.15	-	25.8	Payable with fresh masonry, when the face of the work is not to be plastered/pointed.
28	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	100 Sft.	604.30	-	Per Sqm	65.00	-		
29	Caulking joints of sleeper wall, with sand and coaltar.	100 Sft.	1,702.80	2,775.95	Per Sqm	183.20	298.70		
30	Caulking joints of sleepers, with mud and chopped straw.	100 Sft.	1,702.80	1,757.40	Per Sqm	183.20	189.10		
31	Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.	100 Sft.	594.00	1,059.00	Per Sqm	63.90	113.95		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
32	Providing grooved cement sand plaster 1:3 over existing plastered and roughened surface upto 20' (6.00 m) height. i) 3/8" (10 mm) thick ii) 1/2" (13 mm) thick	100 Sft. 100 Sft.	3,785.75 3,785.75	4,934.50 5,317.45	Per Sqm Per Sqm	407.35 407.35	530.95 572.15		
33	Providing and fitting expanded metal edge bead for corners, with nails on both sides of edges.	Rft.	28.30	99.20	Per Metre	92.80	325.40		
34	Petty repairs to fire place. i) Single ii) Double	Each Each	596.00 1,191.95	730.90 1,461.80	Each Each	596.00 1,191.95	730.90 1,461.80		
35	Petty repair to main rooms.	Each	1,233.55	1,593.40	Each	1,233.55	1,593.40		Area above 100 Sft (10.76 sq.m)
36	Petty repair to small rooms.	Each	616.75	796.60	Each	616.75	796.60		Area upto 100 Sft (10.76 sq.m)
37	Petty repair to verandah.	Each	1,233.55	1,521.25	Each	1,233.55	1,521.25		
38	Extra labour for white washing, colour washing, priming coat and distempering, etc. from 20' (6.00 m) height and above, requiring scaffolding, for every additional 10' (3.00m) height or part thereof.	100 Sft. Per coat	53.05	-	Per Sqm Per coat	5.70	-		The height 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.
39	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on a base coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	53.20	81.30	Per Sqm	572.55	874.70	25.1&25.6	
40	Providing & applying 1.5 mm thick fine textured high quality Sandtex Coating formed of special Acrylic base protective decorative coating of approved colour & shade with trowel having top class finish over well cleaned plastered surface i/c preparation and cleaning the surface, complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	53.20	79.00	Per Sqm	572.55	850.20	25.1&25.6	
41	Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge.	Per Sft	94.65	320.05	Per Sqm	1,018.35	3,443.90		
42	Providing and laying 1/2" thick washed Terrazzo on walls in required colour & shade with one part of cement and marble powder 3:1 and two parts of marble chips, using white cement with additives laid over pre-plastered surface i/c cost of all types of labour, scaffolding, applying at any height in any floor over well cleaned plastered surface i/c preparation and cleaning the surface, complete in all respect, as per specifications, as approved and directed by the Engineer Incharge.	Per Sft	52.05	138.30	Per Sqm	560.30	1,488.05		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
43	Providing and Fixing MS Diamond Wire Mesh of 24 guage (6" Wide) for horizontal and vertical joints of concrete interfacing masonry with nails, washers etc., i/c cost of all type labour and material, as shown on drawings, as per spicifications, complete in all respects, , as approved and directed by the Engineer Incharge.	Per Rft	7.05	25.75	Per Meter	23.20	84.50		
44	Providing & applying 6 mm thick fine textured Silica Sand Coating / Colorcrete including fungus control chemicals, non-shrinkage agent, water sealant (2 Coats) formed by special protective decorative coating of approved colour & shade with trowel having top class finish over well cleaned plastered surface i/c preparation and cleaning the surface, complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	41.40	209.40	Per Sqm	445.25	2,252.95		
45	Extra For making Grooves with Providing and fixing Aluminum Trim Size: 1/2" x 1/2" in external grooves i/c cost of scaffolding fixing at any height in any floor, with screw for fixing or so directed, on exterior face of building, complete in all respect, as per Specifications, as approved by the Engineer.	Per Rft	27.25	63.15	Per Meter	292.95	679.50		



CHAPTER NO.12 (WOOD WORK)

- 1 No extra rate is to be paid for sawing as the rates are inclusive of these.
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Plain wood work sawn, wrought, planed and fixed in position, including cost of nails and screws etc.							26.1	
	a) Deodar wood	Per Cft.	2,090.90	14,189.05	Per Cum	73,850.60	501,157.25		
	b) Shisham wood	Per Cft.	2,376.00	18,339.40	Per Cum	83,920.30	647,747.60		
2	Plain wood work for regulation karries or needles, etc. including sawing, planning, wroughting wood and providing and fixing steel parts of karries i.e. end strip and rods, etc.							26.1	
	a) Deodar wood	Per Cft.	1,354.30	13,989.00	Per Cum	47,833.90	494,091.50		
	b) Shisham wood	Per Cft.	1,354.30	17,752.20	Per Cum	47,833.90	627,007.70		
3	First class teak wood wrought joinery in doors and windows, etc. panelled, panelled and glazed or fully glazed and fixed in position, including chowkat, holdfast, tower bolt, chocks, rubber stop, cleats/G.I. clamps, chords with hooks, nails, screws, etc. complete (excluding sliding bolt and lock):-							26.1 to 26.3 & 26.7	
	i) 2" (50 mm) thick	Per Sft.	351.10	8,898.75	Per Sqm	3,777.85	95,750.55		
	ii) 1¾" (45 mm) thick	Per Sft.	351.10	8,282.75	Per Sqm	3,777.85	89,122.40		
	iii) 1½" (40 mm) thick	Per Sft.	351.10	7,681.40	Per Sqm	3,777.85	82,651.85		
4	First class teak wood wrought joinery in wire gauze doors and windows with frames 22 SWG galvanized iron wire gauze 12x12 meshes to square inch, (5x5 meshes in cm ²) including brass fittings, sash bars, etc. complete:-							26.8 to 26.10	i) This also includes the cost of wood required for extra thickness of chowkat.
	a) teak wood framing 1¾" (45 mm) thick with wire gauze fixed in position:-								ii) If 24 SWG wire gauge is used, the composite rate shall be reduced:-
	i) without springs or spring hinges.	Per Sft.	66.00	3,699.20	Per Sqm	710.15	39,803.40	26.70 P.Sft	or 287.55 P.Sqm
	ii) with springs or spring hinges.	Per Sft.	66.00	3,715.75	Per Sqm	710.15	39,981.45	25.55 P.Sft	or 275.15 P.Sqm
	b) teak wood framing 1½" (40 mm) thick, with wire gauze fixed in position:-								
	i) without springs or spring hinges.	Per Sft.	66.00	3,405.85	Per Sqm	710.15	36,646.95	26.70 P.Sft	or 287.50 P.Sqm
	ii) with springs or spring hinges.	Per Sft.	66.00	3,424.60	Per Sqm	710.15	36,848.70	26.70 P.Sft	or 287.50 P.Sqm
	c) G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes per cm ²) fixed to chowkat with ¾" (20 mm) teak wood strips and screws.	Per Sft.	118.80	1,002.40	Per Sqm	1,278.30	10,785.80	56.75 P.Sft	or 610.75 P.Sqm
	d) G.I. wire gauze 22 SWG, 12x12 meshes per square inch (5x5 meshes per cm ²) fixed with ½" (13 mm) strip on separate frame of teak wood 2"x2" (50x50 mm), for windows, etc.	Per Sft.	111.40	3,522.00	Per Sqm	1,198.65	37,896.70	56.75 P.Sft	or 610.75 P.Sqm

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
5	P/F expanded metal ½" to ¾" (13 to 20 mm) mesh, 16 Gauge, fixed to chowkat with 1" (25 mm) teak wood cover strips and screw etc., complete.	Per Sft.	148.50	1,652.50	Per Sqm	1,597.85	17,780.90	26.1 to 26.3 & 26.7	
6	Providing and fixing expanded metal ½" (13 mm) to ¾" (20 mm), 16 gauge, fixed to chowkat with 1" (25 mm) cover moulding and screws, including teak wood frame 2"x2" (50 mm x 50 mm)	Per Sft.	148.50	2,536.50	Per Sqm	1,597.85	27,292.75		
7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt, lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge								
	a) Deodar wood Door								
	(i) 2" thick (50 mm)	Per Sft	440.00	3,683.25	Per Sqm	4,734.40	39,631.70		a) For doors without beadings around the panels, Reduce following rates:
	(ii) 1-3/4" thick (45 mm)	Per Sft	440.00	3,444.55	Per Sqm	4,734.40	37,063.15		Labour Rate Composite Rate
	(iii) 1-1/2" thick (40 mm)	Per Sft	440.00	3,205.80	Per Sqm	4,734.40	34,494.55		22.00 P.Sft or 405.75 P.Sft
	b) Ash wood Door								b) For doors without beadings around the panels, Reduce following rates:
	(i) 2" thick (50 mm)	Per Sft	528.00	3,577.15	Per Sqm	5,681.30	38,490.15		Labour Rate Composite Rate
	(ii) 1-3/4" thick (45 mm)	Per Sft	528.00	3,353.20	Per Sqm	5,681.30	36,080.60		22.00 P.Sft or 382.00 P.Sft
	(iii) 1-1/2" thick (40 mm)	Per Sft	528.00	3,129.30	Per Sqm	5,681.30	33,671.05		c) For doors without beadings around the panels, Reduce following rates:
	c) Oak wood Door								Labour Rate Composite Rate
	(i) 2" thick (50 mm)	Per Sft	528.00	3,083.10	Per Sqm	5,681.30	33,174.10		22.00 P.Sft or 321.55 P.Sft
	(ii) 1-3/4" thick (45 mm)	Per Sft	528.00	2,896.80	Per Sqm	5,681.30	31,169.35		d) For doors without beadings around the panels, Reduce following rates:
	(iii) 1-1/2" thick (40 mm)	Per Sft	528.00	2,710.45	Per Sqm	5,681.30	29,164.60		Labour Rate Composite Rate
	d) Yellowpine wood Door								22.00 P.Sft or 194.80 P.Sft
	(i) 2" thick (50 mm)	Per Sft	528.00	2,047.95	Per Sqm	5,681.30	22,035.70	26.1 to 26.3 & 26.7	
	(ii) 1-3/4" thick (45 mm)	Per Sft	528.00	1,940.45	Per Sqm	5,681.30	20,879.10		
	(iii) 1-1/2" thick (40 mm)	Per Sft	528.00	1,832.95	Per Sqm	5,681.30	19,722.55		
8	P/F 1½" (40mm) thick semi solid panelled or panelled and glazed doors comprising of solid wood styles and rails of specified width and panels of 2.5 mm thick veneer ply matching with wood used with grooves, pasted on both sides of 1" thick Lasani wood panel with tapered edges i/c the cost of tower bolt, handles complete in all respect (Excluding the cost of chowkat frame, sliding bolt and lock) as approved and directed by Engineer Incharge								
	(i) Deodar Wood	Per Sft	315.35	2,422.40	Per Sqm	3,393.00	26,065.30		For doors without beadings around the panels, Reduce following rates:-
	(ii) Ash Wood	Per Sft	315.35	2,310.65	Per Sqm	3,393.00	24,862.75		Labour Rate Composite Rate
	(iii) Oak Wood	Per Sft	315.35	2,026.20	Per Sqm	3,393.00	21,801.75		17.60 P.Sft or 401.35 P.Sft
	(iv) Yellowpine Wood	Per Sft	315.35	1,430.15	Per Sqm	3,393.00	15,388.20		17.6 P.Sft or 377.60 P.Sft
									17.6 P.Sft or 317.15 P.Sft
									17.6 P.Sft or 190.40 P.Sft
9	Deodar wood framed, braced and battened doors and windows, complete with iron fittings and fixed in position, including chowkats:-							26.1, 26.2 & 26.4	
	a) 2¼" (56 mm) thick, with 1¼" (30 mm) battens and 1" (25 mm) planks.	Per Sft.	396.00	2,659.40	Per Sqm	4,260.95	28,615.15		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) 1 3/4" (40 mm) thick with 1" (25 mm) battens and 3/4" (20 mm) planks.	ditto	365.55	2,273.15	Per Sqm	3,933.30	24,459.10		
10	1" (25 mm) thick battened doors and windows fitted in position, complete with iron fittings, without chowkats.	Per Sft.	451.45	1,456.40	Per Sqm	4,857.60	15,670.85		
11	Deodar battened ledged and braced doors and windows 2 1/4" (56 mm) thick (1 1/4" (30 mm) thick ledge braces and 1" (25 mm) thick battens complete with iron fittings, chowkats and fixed in position.	Per Sft.	426.45	2,564.80	Per Sqm	4,588.60	27,597.25	26.1, 26.2 26.4 to 26.6	
12	a) Deodar wood framed with braces and 22 SWG G.I. sheet facing, including holdfast, wooden beadings, hinges, and locking arrangements as directed by the Engineer incharge:-							26.1, 26.2 & 26.4	a) If 24 SWG GI Sheet is used composite rate will be reduced by
	i) G.I. sheet facing on one side.	Per Sft.	185.65	2,114.00	Per Sqm	1,997.60	22,746.65		55.60 P.Sft or 598.30 P.Sqm
	ii) G.I. sheet facing on both sides.	Per Sft.	204.20	2,406.00	Per Sqm	2,197.20	25,888.55		111.20 P.Sft or 1,196.65 P.Sqm
	b) Partial wood framed with braces and 22 SWG G.I. sheet facing, including holdfast, wooden beadings, hinges and locking arrangements, as directed by the Engineer-in-charge:-								b) If 24 SWG GI Sheet is used composite rate will be reduced by
	i) G.I. sheet facing on one side.	Per Sft.	185.65	932.75	Per Sqm	1,997.60	10,036.40		55.60 P.Sft or 598.30 P.Sqm
	ii) G.I. sheet facing on both sides.	Per Sft.	204.20	1,224.75	Per Sqm	2,197.20	13,178.30		111.20 P.Sft or 1,196.65 P.Sqm
13	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm ²) including iron fittings etc. complete:-							26.8 to 26.10	i) This also includes the cost of wood required for extra thickness of chowkat.
	a) deodar wood framing 1 3/4" (45 mm) thick with wire gauze fixed in position:-								ii) If 24 SWG wire gauze is used the composite rate shall be reduced by Rs.
	i) without springs or spring hinges.	Per Sft.	198.00	1,623.20	Per Sqm	2,130.50	17,465.65		26.70 P.Sft or 287.50 P.Sqm
	ii) with springs or spring hinges.	Per Sft.	198.00	1,641.95	Per Sqm	2,130.50	17,667.40		26.70 P.Sft or 287.45 P.Sqm
	b) deodar wood framing 1 1/2" (40 mm) thick, with wire gauze fixed in position:-								
	i) without springs or spring hinges	Per Sft.	198.00	1,513.85	Per Sqm	2,130.50	16,289.05		26.70 P.Sft or 287.45 P.Sqm
	ii) with springs or spring hinges	Per Sft.	198.00	1,527.15	Per Sqm	2,130.50	16,432.15		26.70 P.Sft or 287.45 P.Sqm
	c) G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 in cm ²) fixed to chowkat, with 3/4" (20 mm) thick deodar wood strip and screws.	Per Sft.	148.50	559.85	Per Sqm	1,597.85	6,024.00		51.60 P.Sft or 555.25 P.Sqm
	d) G.I. wire gauze 22 SWG 12x12 meshes per square inch, (5x5 meshes in cm ²) fixed to chowkat, with 1/2" (13 mm) strip on separate frame of deodar wood 2" x 2" (50 mm x 50 mm).	Per Sft.	222.75	1,449.75	Per Sqm	2,396.80	15,599.30		56.75 P.Sft or 610.75 P.Sqm
14	Making and fixing trellis doors and windows of deodar wood, complete.	Per Sft.	330.00	1,714.10	Per Sqm	3,550.80	18,443.70	26.1 26.2	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
15	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm) b) M.S. tee iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	Per Sft.	79.10	456.70	Per Sqm	851.10	4,914.10		
		Per Sft.	79.10	349.45	Per Sqm	851.10	3,760.10		
16	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: a) single rebate b) double rebate	Per Sft.	118.45	466.85	Per Sqm	1,274.50	5,023.30		
		Per Sft.	139.65	534.85	Per Sqm	1,502.65	5,755.00		
17	Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. (i) 15 " wide (ii) 10.5 " wide (iii) 5.5 " wide	Per Sft.	169.70	873.90	Per Sqm	1,826.15	9,402.95		
		Per Sft.	169.70	755.55	Per Sqm	1,826.15	8,129.55		
		Per Sft.	169.70	536.65	Per Sqm	1,826.15	5,774.10		
18	Extra for providing and fixing iron double spring hinges, with brass fittings (it shall include brass finger plate, 6" (150 mm) tower bolt).	Per Sft. door area	11.30	125.60	Per Sqm door area	121.60	1,351.45	26.2	
19	Providing and fixing brass spring hinges to wire gauzed doors.	Each	237.60	777.60	Each	237.60	777.60		
20	Extra for brass fittings to doors and windows, except for hinges, which shall be of iron:- i) deodar wood panelled or panelled and glazed or fully glazed. ii) deodar wood wire gauzed shutters.	Per Sft.	6.80	94.10	Per Sqm	73.15	1,012.50		
		Per Sft.	6.80	59.00	Per Sqm	73.15	634.85		
21	Extra for providing and fixing approved quality rim lock adjustable over the style surface.	Each	712.80	1,600.80	Each	712.80	1,600.80		
22	Providing and fixing, approved quality mortice lock.	Each	594.00	1,110.00	Each	594.00	1,110.00		
23	Providing and fixing, expended metal ½" to ¾" (13 mm to 20 mm) mesh 16 gauge. a) fixed to chowkat with 1" (25 mm) thick deodar wood strip and screws, etc.	Per Sft.	148.50	824.65	Per Sqm	1,597.85	8,873.25		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) fixed with 1" (25 mm) cover moulding and screws, including deodar wood frame 2"x2" (50 x 50 mm)	Per Sft.	148.50	1,149.75	Per Sqm	1,597.85	12,371.30		
24	a) Providing and fixing deodar wood almirah 9" to 12" (225 mm to 300 mm) depth, including boxing with back, shelves, shutter and brass fittings, etc. complete.	Per Sft.	475.20	5,305.00	Per Sqm	5,113.15	57,081.60		For hollow frame shutter with commercial ply 3mm on one side, the composite rate (a&b) shall be reduced by: 1,201.80 P.Sft or 12,931.35 P.Sqm 841.80 P.Sft or 9,057.75 P.Sqm
	b) Providing and fixing deodar wood almirah 9" to 12" (225 mm to 300 mm) depth with shelves, shutters, brass fittings, etc., without boxing and back, complete.	Per Sft.	356.40	2,041.30	Per Sqm	3,834.85	21,964.15		For hollow frame shutter with commercial ply 3mm on both sides, the composite rate (a&b) shall be reduced by Rs. 1,173.60 P.Sft or 12,627.90 P.Sqm 813.60 P.Sft or 8,754.30 P.Sqm
25	Providing and fixing class room almirah consisting of 1" (25 mm) thick solid flush shutter with deodar wood lipping ¼" (6 mm) thick all around (Approved Factory Manufactured) fixed in deodar wood frame 3"x1" (75mm x 25mm) including full hinges C.P. fittings with RCC (1:1½:3) shelves ½" (40 mm) thick including 3 coats of painting.	Per Sft.	270.30	1,276.45	Per Sqm	2,908.25	13,734.70		
26	Providing and fixing wooden box type wardrobe 22" (550 mm) deep including ¾" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint:-								If hollow flush door leaves 1" thick (25 mm) with commercial ply 3mm on both sides of deodar wood frame and partial wood bracing and deodar wood lipping is used, the composite rate will be reduced by Rs.
	i) Partial wood boxing and deodar wood shelves and leaves, etc.	Per Sft.	548.30	2,705.00	Per Sqm	5,899.80	29,105.65		
	ii) Deodar wood boxing, and deodar wood shelves and leaves, etc.	Per Sft.	534.60	3,644.05	Per Sqm	5,752.30	39,209.90		882.80 P.Sft or 9,499.05 P.Sqm
27	Providing and fixing wardrobe 22" (550 mm) deep consisting of RCC shelves 1½" (40 mm) thick including ½" thick vinboard boxing and back (one side ply) vinboard shutter ¾" (20 mm) thick including deodar wood lipping ¼" (6 mm) on all edges, fixes including deodar wood frame 3"x1" (75mm x 25mm) with hanger rod in centre position drawers at bottom and openable shutter on upper portion including full hinges C.P. fitting and painting 3 coats Complete.	Per Sft.	212.70	1,939.90	Per Sqm	2,288.75	20,873.55		
28	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C. windows, including holdfast, etc.								
	a) Teak wood	Per Sft.	105.60	3,067.75	Per Sqm	1,136.25	33,008.80		
	b) Deodar wood	Per Sft.	105.60	1,255.05	Per Sqm	1,136.25	13,504.50		
	c) Shisham wood	Per Sft.	105.60	1,180.65	Per Sqm	1,136.25	12,703.75		
	d) Ash Wood	Per Sft.	105.60	1,206.10	Per Sqm	1,136.25	12,977.65		
	e) Yellowpine Wood	Per Sft.	105.60	644.95	Per Sqm	1,136.25	6,939.50		
	f) Oak Wood	Per Sft.	105.60	1,024.80	Per Sqm	1,136.25	11,026.85		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
29	Making and fixing deodar wood planking in eave boards, etc. planed on both sides, rebated and fixed including nails and screws, bolts and brackets:-							26.1 26.2	
	a) 1" (25 mm) thick	Per Sft.	118.80	1,110.90	Per Sqm	1,278.30	11,953.55		
	b) ¾" (20 mm) thick	Per Sft.	118.80	862.45	Per Sqm	1,278.30	9,280.00		
	c) ½" (13 mm) thick	Per Sft.	118.80	615.00	Per Sqm	1,278.30	6,617.65		
30	Making and fixing deodar wood shelves, including brackets:-							ditto	
	i) 1" (25 mm) thick	Per Sft.	118.80	1,110.90	Per Sqm	1,278.30	11,953.55		
	ii) 1½" (40 mm) thick	Per Sft.	118.80	1,606.80	Per Sqm	1,278.30	17,289.45		
	iii) 2" (50 mm) thick	Per Sft.	118.80	2,102.70	Per Sqm	1,278.30	22,625.30		
31	a) Making and fixing cleats for doors and windows, including hinges and screws.	Each	142.55	465.60	Each	142.55	465.60	26.1 and 26.2	
	b) Making and fixing cleats with brass hooks for roof ventilators.	Each	190.10	434.50	Each	190.10	434.50		
	c) Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	19.80	178.30	Each	19.80	178.30		
	d) Providing and fixing G.I. hook with clamps for doors.	Each	6.35	43.85	Each	6.35	43.85		
32	Hard wood railing of any shape and design, including bends and corners, fixed in position, including polishing complete as directed.							ditto	
	a) Shisham wood	Per Rft.	544.50	1,600.45	Per Metre	1,785.95	5,249.40		
	b) Teak wood	ditto	403.90	3,993.05	ditto	1,324.85	13,097.15		
33	Deodar wood dado or picture rail 3"x1½" (75x40 mm) as per approved design including moulding and fixed in place, cost of screws, nails, plugs, and painting complete.	Per Rft.	201.95	844.20	Per Metre	662.45	2,769.05	26.1 26.2	
34	Sawing wood by hand:-								
	a) Soft wood (deodar, kail or chir).	100Sft.	2,376.00	-	Per Sqm	255.65	-		
	b) Hard wood (shisham, kilar, teak or sahl).	100Sft.	3,168.00	-	Per Sqm	340.90	-		
35	Sawing wood by machine:								
	a) Soft wood	100Sft.	1,401.84	-	Per Sqm	150.85	-		
	b) Hard wood	100Sft.	2,106.70	-	Per Sqm	226.70	-		
36	Making and fixing sun-shade of deodar wood including fixing brackets.	Per Sft.	166.30	1,348.65	Per Sqm	1,789.60	14,511.55	26.1	
37	Making and fixing 1" (25 mm) thick kail or chir wooden notice board with frame.	Per Sft.	198.00	444.25	Per Sqm	2,130.50	4,780.15	ditto	
38	Making deodar punkha pole 10'x6"x6" (3.0 m x 150 mm x 150 mm)	Each	712.80	30,040.80	Each	712.80	30,040.80	ditto	
39	Dismantling and refixing eave boards.	Per Rft.	50.90	--	Per Metre	167.05	--		
40	Making wooden stair-cases complete 2' to 3' (600 to 900 mm) wide frame 1½" (40 mm) thick planks of deodar wood, including hand rails.	Per Rft.	776.15	8,420.55	Per Metre	2,545.80	27,619.35	26.1	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
41	Providing and fixing partition, including frame work:-								
	a) Sheets on one side of framework:-								
	i) Hard board	100Sft.	3,712.50	48,516.00	Per Sqm	399.45	5,220.30		
	ii) Ply wood ¼" (6 mm) thick	100Sft.	3,712.50	44,232.00	Per Sqm	399.45	4,759.35		
	iii) Masonite	100Sft.	3,712.50	46,500.00	Per Sqm	399.45	5,003.40		
	b) Sheets on both sides of frame work:-								
	i) Hard board	100Sft.	4,455.00	57,395.80	Per Sqm	479.35	6,175.80		
	ii) Ply wood ¼" (6 mm) thick	100Sft.	4,455.00	68,263.70	Per Sqm	479.35	7,345.15		
	iii) Masonite	100Sft.	4,455.00	53,363.80	Per Sqm	479.35	5,741.95		
42	Providing and fixing ceiling, including frame work:-								
	i) Hard board	100Sft.	7,167.20	31,365.50	Per Sqm	771.20	3,374.95		
	ii) Chip board	100Sft.	7,167.20	35,685.50	Per Sqm	771.20	3,839.75		
	iii) Ply wood ¼" (6 mm) thick	100Sft.	7,167.20	29,325.50	Per Sqm	771.20	3,155.40		
	iv) Masonite	100Sft.	7,167.20	29,445.50	Per Sqm	771.20	3,168.35		
43	Providing and fixing thermopore false ceiling, including wooden frame panelling, cost of M.S. clamps, making holes in walls and repairing damaged surface, complete in all respects:-								In case acoustic thermopore sheet is used, following composite rates will be increased by Rs.
	a) Deodar wood frame panelling:								
	i) ¾" (20 mm) thick	100Sft.	8,078.15	37,018.15	Per Sqm	869.20	3,983.15		504.00 %Sft or 54.25 P.Sqm
	ii) 1" (25 mm) thick	100Sft.	8,078.15	37,523.15	Per Sqm	869.20	4,037.50		630.00 %Sft or 67.80 P.Sqm
	b) Partial wood frame panelling:								
	i) ¾" (20 mm) thick	100Sft.	8,078.15	23,248.15	Per Sqm	869.20	2,501.50		504.00 %Sft or 54.25 P.Sqm
	ii) 1" (25 mm) thick	100Sft.	8,078.15	23,878.15	Per Sqm	869.20	2,569.30		630.00 %Sft or 67.80 P.Sqm
44	a) Fixing door, including chowkats.	Each	1,064.25	-	Each	1,064.25	-		
	b) Fixing windows, including chowkats.	Each	532.15	-	Each	532.15	-		
45	a) Glazing with panes (16 oz. to 18 oz.) including cost of putty.	Per Sft.	84.85	212.80	Per Sqm	913.05	2,289.50	26.12	
	b) Glazing with panes (16 oz. to 18 oz.) using deodar wooden fillets and putty.	Per Sft.	106.90	318.20	Per Sqm	1,150.45	3,423.90		
46	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	Per Sft.	157.30	333.60	Per Sqm	1,692.30	3,589.50	26.12	
47	a) Cutting to required size and fixing glass panes with putty	Per Sft.	59.40	60.60	Per Sqm	639.15	652.05		
	b) Cutting to required size and fixing glass panes with wooden fillets and putty.	Per Sft.	89.10	155.40	Per Sqm	958.70	1,672.10		
48	Glazing with plate glass 1/4" (6 mm) thick including the cost of deodar wood fillets and putty:-								
	a) Glazing upto 8 sft (0.75 sq.m)	Per Sft.	136.60	504.95	Per Sqm	1,470.05	5,433.05		
	b) Glazing exceeding 8 Sft (0.75 sq.m) but not exceeding 24 sft (2.25 sq.m).	Per Sft.	136.60	505.15	Per Sqm	1,470.05	5,435.30		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
49	Providing and fixing 1½" (40 mm) thick hollow flush doors and windows with commercial ply (3 ply) on both faces of deodar wood shutter frame 1¼" (30 mm) thick and partial wood braces at about 3" (75 mm) apart and deodar wood lipping 1½"x3/8" (40 mmx10 mm) fixed with M.S. chowkat (frame) including chromium plated fittings, etc. complete in all respects (without sliding bolt or lock):-								6 mm Teak ply would be used under the written permission of the superintending Engineer, and the composite rate of using teak ply will be increased by Rs.
	i) M.S. angle iron 1½"x1½"x¼", welded (40 mmx40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)	Per Sft.	352.00	1,893.35	Per Sqm	3,787.50	20,372.45		87.30 P.Sft or 939.45 P.Sqm
	ii) M.S. tee iron 1½"x1½"x¼", welded (40 mmx40 mmx 6mm) with M.S. flat ½"x¼" (13 mm x 6 mm)	Per Sft.	352.00	1,786.10	Per Sqm	3,787.50	19,218.20		87.30 P.Sft or 939.45 P.Sqm
50	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	216.00	638.85	Per Sqm	2,324.15	6,874.00	26.1 to 26.3 & 26.7	
51	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquer polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Per Sft	308.15	950.00	Per Sqm	3,315.80	10,221.90	26.1 to 26.3 & 26.7	
52	Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.	Per Rft.	71.30	101.85	Per Metre	233.80	334.05		
53	Providing and fitting curtain railing to doors and windows, comprising of TOSO-elite Japan made superior type of railing or equivalent, fixed over 4"x¾" (100mmx20mm) deodar wood strip, including painting.	Per Rft.	29.70	446.15	Per Metre	97.40	1,463.30		
54	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm ²) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	Per Sft.	60.50	245.00	sq.m	650.75	2,636.05		If 24 SWG wire gauze is used, the composite rate shall be reduced by 56.80 P.Sft or 610.75 P.Sqm
55	Providing and fixing wooden moulding stopper 2½"x5/8" (63 x 16 mm) on door frame fitted with ply of approved quality complete in all respects.								
	a) Teak wood moulding	Per Sft.	74.25	626.35	Per Sqm	798.95	6,739.40		
	b) Deodar wood moulding	Per Sft.	74.25	227.10	Per Sqm	798.95	2,443.55		
56	Providing and fixing deodar wood dolly frame having 1½"x1½" (40 x 40 mm) vertical and horizontal double post with 1½"x1½" (40 x 40 mm) full width of jamae braces at 12" (300 mm) including filling of the spaces in between braces with 1:3:6 PCC fixing ply of approved quality								Rate shall be paid as per surface area of dolly frame e-g 0.75' x (3.5' + (2 x 7))

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	including holdfasts complete in all respects.								
	a) Teak wood ply	Per Sft.	182.75	1,093.65	Per Sqm	1,966.60	11,767.65		
	b) With commercial ply	Per Sft.	182.75	1,016.00	Per Sqm	1,966.60	10,932.00		
57	Providing and fixing ornamental wooden architrave 1st Class 3" x 1½" tapered to ¼" all along the door frame complete in all respect.								
	a) Teak wood architrave 1st Class	Per Sft.	32.45	405.75	Per Sqm	349.00	4,365.75		
	b) Deodar wood architrave 1st Class	Per Sft.	32.45	174.10	Per Sqm	349.00	1,873.25		
	c) Yellow Pine Wood Architrave 1st Class	Per Sft.	32.45	101.60	Per Sqm	349.00	1,092.95		
	d) Ash Wood Architrave 1st Class	Per Sft.	32.45	174.80	Per Sqm	349.00	1,880.85		
	e) Oak Wood Architrave 1st Class	Per Sft.	32.45	151.15	Per Sqm	349.00	1,626.30		
58	Providing and fixing Vin board cabinet 3/4" thick with drawers 3" deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects.								
	i) 1-1/2' deep,without back	Per Sft	369.70	1,678.60	Per Sqm	3,978.00	18,061.95		
	ii) 1-1/2' deep,with back	Per Sft	369.70	1,828.60	Per Sqm	3,978.00	19,675.95		
	iii) 2' deep,without back	Per Sft	369.70	1,824.85	Per Sqm	3,978.00	19,635.60		
	iv) 2' deep,with back	Per Sft	369.70	1,974.85	Per Sqm	3,978.00	21,249.60		
59	Providing and fixing box type Kitchen Cabinet consisting of 3/4"thick both side Laminated MDF sheet shutter and boxes and back of 3 mm thick laminated MDF sheet i/c the cost of PVC edge binding duly hot pressed on all edges of the shutters /panels etc., with machine i/c the cost of self closing blum type hinges S.S, handles, screws, Glue and rawal plugs, locking arrangement complete in all respect as approved and directed by Engineer Incharge.	Per Sft	369.70	1,602.70	Per Sqm	3,978.00	17,244.95		
59	P/F 1½" (40mm) thick wooden dolly Frame chowkat comprising of 1-1/2"x2" (40 mmx50 mm) vertical and (40 mmx50 mm) horizontal bracings @ 12" c/c of yellowpine wood full width of Jamb, filling of spaces with (1:3:6) PCC i/c the cost of 3/8 " thick specified wooden cladding i/c the cost of holdfast complete in all respect as approved and directed by Engineer Incharge. (Surface area of chowkat will be made basis for payment)								
	(i) Deodar Wood Cladding	Per Sft	166.30	1,315.45	Per Sqm	1,789.40	14,154.20		
	(ii) Ash Wood Cladding	Per Sft	166.30	1,324.25	Per Sqm	1,789.40	14,248.75		
	(iii) Oak Wood Cladding	Per Sft	166.30	1,234.60	Per Sqm	1,789.40	13,284.45		
	(iv) Yellowpine Wood Cladding	Per Sft	166.30	1,038.55	Per Sqm	1,789.40	11,174.75		
60	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge.								
	a) Iron								
	(i) 10" (250 mm) long	Each	212.85	656.85	Each	212.85	656.85		
	ii) 12" (300 mm) long	Each	212.85	692.85	Each	212.85	692.85		
	b) Brass								
	i) 10" (250 mm) long	Each	212.85	1,037.85	Each	212.85	1,037.85		
	ii) 12" (300 mm) long	Each	212.85	1,231.65	Each	212.85	1,231.65		
	iii) 18" (450 mm) long	Each	212.85	1,819.65	Each	212.85	1,819.65		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
61	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4" deodar wood gola all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge.	Per Sft	129.65	938.45	Per Sqm	1,394.95	10,097.90	26.1 to 26.3 & 26.7	
62	Providing and fixing 24" Deep Box type Wardrobe consisting of 3/4" thick UV coated MDF board(Medium density Fiber board) Sheet both side glazed shutters and box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters / panels / drawers etc., with machine i/c the cost of self closing blum type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge	Per Sft	285.10	1,317.30	Per Sqm	3,067.90	14,174.40	26.1 to 26.3 & 26.7	
63	Providing and fixing 1-1/2" thick G.I sheet forged door comprising of G.I pressed double skin pannelled sheet of 22 SWG in specified width of rails, Styles and panels pressed on both sides of fillet (Honey Comb paper), duly fixed in chowkat with Archtrative on one side, with heavy duty 4 No. steel hinges i/c M.S Tower bolt 9" long, M.S Sliding bolt 12" long, Rowel bolt for Hold Fast, duly powder coated paint and punching of required holes as approved and directed by the Engineer Incharge .	Per Sft	719.50	2,275.45	Per Sqm	7,741.95	24,483.80		
64	P/F heavy duty self closing blum type hinge having required degree of opening i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. (i) CP coated Iron (ii) Stainless steel	Each Each Each	212.85 212.85 425.70	488.85 758.85 4,985.70	Each Each Each	212.85 212.85 425.70	488.85 758.85 4,985.70		
65	Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	Each	425.70	9,065.70	Each	425.70	9,065.70		
66	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.	Each	425.70	9,065.70	Each	425.70	9,065.70		
67	Providing and fixing Imported Mortice Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge.	Each	1,658.25	4,400.25	Each	1,658.25	4,400.25		
68	Providing and fixing of Bearing Hinges of 304 grade 3mm thick S.S finish fixing with grade 13 screws of approved quality & finish, including the cost of all accessories to complete the job and as per specification, complete in all respect, as approved and directed by the Engineer Incharge.	Each	47.50	1,021.90	Each	47.50	1,021.90		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK									
Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
69	Providing and laying Stainless Steel kick plate 18 swg (grade-304) of approved size, fixed with screws, complete in all respect as per Specifications, as approved and directed by the Engineer Incharge.	Per Sft	59.40	760.20	Per Sqm	639.15	8,179.75		



CHAPTER NO.13 (PAINTING AND VARNISHING)

- 1 The rates include charges for scaffolding and other arrangements.
- 2 The rates for all finished works include the removal of surplus debris, unused material and by products

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	a) Cleaning painted wood work with oil and water.	100 Sft.	376.20	497.10	Per Sqm	40.50	53.50		
	b) Oiling woodwork with boiled linseed oil.	100 Sft.	250.80	397.65	Per Sqm	27.00	42.80	27.7	
2	Brushing and scraping blisters of old paints from woodwork.	100 Sft.	752.40	--	Per Sqm	80.95	-	27.3	
3	Scraping, brushing and removing old paint from metal surface.	100 Sft.	3,009.60	--	Per Sqm	323.85	-	27.9	
4	Painting old surfaces:-							27.1 27.3 & 27.9	
	a) Painting corrugated surfaces, patent roofing, etc. with oil paint.								
	i) first coat	100 Sft.	936.55	1,501.70	Per Sqm	100.75	161.60		
	ii) each subsequent coat	100 Sft.	709.50	999.50	Per Sqm	76.35	107.55		
	b) Painting sashes, fanlights, glazed or gauzed doors and windows:-								
	i) first coat	100 Sft.	567.60	872.40	Per Sqm	61.05	93.85		
	ii) each subsequent coat	100 Sft.	482.45	732.25	Per Sqm	51.90	78.80		
	c) Painting doors and windows, any type:								
	i) first coat	100 Sft.	936.55	1,516.50	Per Sqm	100.75	163.20		
	ii) each subsequent coat	100 Sft.	709.50	1,151.90	Per Sqm	76.35	123.95		
	d) Painting guard bars, gates of iron bars, gratings, railing (including standards, braces etc.) and similar open work:-								
	i) first coat	100 Sft.	567.60	872.40	Per Sqm	61.05	93.85		
	ii) each subsequent coat	100 Sft.	482.45	732.25	Per Sqm	51.90	78.80		
	e) Painting fillets, framings, skirtings, pipes, gutters and similar linear work not exceeding 6" in girth:-								
	i) first coat	100 Rft.	482.45	787.30	Per Sqm	15.85	25.80		
	ii) each subsequent coat	100 Rft.	340.55	590.35	Per Sqm	11.15	19.35		
	f) Painting small detached articles, not exceeding one square foot (Sq.m) of painted surface:-								
	i) first coat	100 Nos.	1,423.15	1,988.30	100 Nos.	1,423.15	1,988.30		
	ii) each subsequent coat	100 Nos.	1,287.00	1,591.80	100 Nos.	1,287.00	1,591.80		
	g) Painting small detached articles, exceeding one square foot (Sq.m) but not exceeding three square feet (Sq.m) of painted surface:-								
	i) first coat	100 Nos	3,252.85	4,933.50	100 Nos	3,252.85	4,933.50		
	ii) each subsequent coat	100 Nos	1,895.15	2,735.45	100 Nos	1,895.15	2,735.45		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
5	Painting new surface:-							27.1 27.2 & 27.9	
	a) Preparing surface and painting corrugated surface, patent roofing, etc.								
	i) priming coat.	100 Sft.	1,413.70	1,868.20	Per Sqm	152.10	201.00		
	ii) each subsequent coat of paint.	100 Sft.	496.30	1,199.05	Per Sqm	53.40	129.00		
	b) Preparing surface and painting sashes, fan light, glazed or gauzed doors and windows etc. any type (including edges):-								
	i) priming coat.	100 Sft.	595.60	1,106.80	Per Sqm	64.10	119.10		
	ii) each subsequent coat of paint.	100 Sft.	408.65	808.75	Per Sqm	43.95	87.00		
	c) Preparing surface and painting of doors and windows any type (including edges):-								
	i) priming coat.	100 Sft.	1,413.70	1,853.35	Per Sqm	152.10	199.40		
	ii) each subsequent coat of paint.	100 Sft.	496.35	1,199.05	Per Sqm	53.40	129.00		
	d) Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:-								
	i) priming coat.	100 Sft.	913.75	1,191.25	Per Sqm	98.30	128.20		
	ii) each subsequent coat of paint.	100 Sft.	408.65	808.75	Per Sqm	43.95	87.00		
	e) Preparing surface and painting of fillets, framing, skirtings, pipes, gutters, and similar linear work not exceeding 6" (150 mm) girth:-								
	i) priming coat.	100 Rft.	723.70	937.45	Per Metre	23.75	30.75		
	ii) each subsequent coat of paint.	100 Rft.	272.45	604.80	Per Metre	8.95	19.85		
	f) Preparing surface and painting of small detached articles, not exceeding one sq. ft. (Sq.m) of painted surface:-								
	i) priming coat.	100 Nos.	2,128.50	3,877.90	100 Nos.	2,128.50	3,877.90		
	ii) each subsequent coat of paint.	100 Nos.	1,047.40	2,438.05	100 Nos.	1,047.40	2,438.05		
	g) Preparing surface and painting of small detached articles, exceeding one Sft. but not exceeding 3 Sft. (Sq.m) of painted surface:-								
	i) priming coat.	100 Nos.	6,039.00	7,767.85	100 Nos.	6,039.00	7,767.85		
	ii) each subsequent coat of paint.	100 Nos.	1,815.00	4,306.25	100 Nos.	1,815.00	4,306.25		
	h) Extra for knotting and stopping to priming coat on new surface of wood.	100 Sft.	95.05	144.55	Per Sqm	10.25	15.55		
6	Applying Khanki Mixture hot to barrage gates:-							27.10	
	i) first coat	100 Sft.	709.50	1,331.70	Per Sqm	76.35	143.30		
	ii) second coat	100 Sft.	566.95	969.60	Per Sqm	61.00	104.35		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
7	French polishing complete:- a) on new work b) on old work	100 Sft. 100 Sft.	7,184.55 3,790.30	7,432.30 3,924.25	Per Sqm Per Sqm	773.05 407.85	799.70 422.25	27.6	
8	Varnishing wood work, including cleaning and preparing surface. a) first coat b) second coat c) third coat	100 Sft. 100 Sft. 100 Sft.	567.60 212.85 212.85	957.25 508.75 446.10	Per Sqm Per Sqm Per Sqm	61.05 22.90 22.90	103.00 54.75 48.00		
9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m) ii) 14 lbs. per 100 Sft. (6.35 Kg per Sq.m) iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)	100 Sft. 100 Sft. 100 Sft.	627.00 601.90 496.60	2,707.75 1,715.60 1,610.30	Per Sqm Per Sqm Per Sqm	67.45 64.75 53.45	291.35 184.60 173.25		
10	Writing letters or figures, per letter, per inch (25 mm) height.	Per No.	28.40	30.50	Per No.	28.40	30.50	27.1	
11	Writing letters or figures at any surface with reflective paint of approved quality and colour per letter per inch height.	Per Letter per inch height	28.40	29.30	Per Letter per 25 mm height	28.40	29.30	27.1	
12	Writing letters of figures on any surface with reflective tape of approved quality and colour per letter per inch (25 mm) height.	ditto	33.15	35.35	ditto	33.15	35.35	ditto	
13	Coal tar painting: a) first coat, laid hot b) second coat, laid hot	100 Sft. 100 Sft.	627.25 380.15	2,167.30 1,419.25	Per Sqm Per Sqm	67.50 40.90	233.20 152.70	27.8 to 27.11	
14	Solignum painting:- a) one coat, applied hot b) two coats, applied hot	100 Sft. 100 Sft.	522.70 792.00	624.40 953.95	Per Sqm Per Sqm	56.25 85.20	67.20 102.65	27.8	
15	Creosote painting:- a) one coat, applied hot b) two coats, applied hot	100 Sft. 100 Sft.	627.25 950.40	887.35 1,381.65	Per Sqm Per Sqm	67.50 102.25	95.50 148.65	ditto	
16	Burning off or rubbing down with pumice stone, old paint from wood work.	100 Sft.	2,277.00	2,293.80	Per Sqm	245.00	246.80	27.3	
17	Removing with caustic soda, old paint from wood work.	100 Sft.	752.40	775.60	Per Sqm	80.95	83.45	ditto	
18	Painting distance marks for white ground and black lettering on both sides.	Each	141.90	167.55	Each	141.90	167.55	27.1	
19	Painting two feet wide gauges, reading to 10th of a foot (metre).	Per Rft.	283.80	334.15	Per Metre	930.85	1,096.05	ditto	
20	Painting sounding rods and other gauges, reading to 10th of a foot (metre)	Per Rft.	141.90	157.60	Per Metre	465.45	516.95	27.1	
21	Painting leveling staves.	Per Rft.	442.20	467.40	Per Metre	1,450.40	1,533.00		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK	
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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22	a) Painting and lettering mile/Km stones, on both sides: i) one coat ii) two coats b) Painting and lettering Furlong/½ Km stones, on both sides:- i) one coat ii) two coats c) Painting and lettering Sign posts:- i) one coat ii) two coats	Each Each Each Each Each Each	304.05 532.15 40.55 70.95 340.55 561.90	484.80 821.45 61.90 108.35 457.75 761.40	Each Each Each Each Each Each	304.05 532.15 40.55 70.95 340.55 561.90	484.80 821.45 61.90 108.35 457.75 761.40	ditto 27.1 	
23	Removing paint or varnish from wall.	100 Sft.	1,504.80	-	sq.m	161.90	-	27.12	
24	Scraping from hydraulic gates:- a) Khanki paint b) Aluminium paint	100 Sft. 100 Sft.	3,009.60 3,009.60	- -	Per Sqm Per Sqm	323.85 323.85	- -	27.1 	
25	Painting letters with shade.	per letter per inch height	45.40	45.40	per letter per 25 mm height	45.40	45.40	27.1	
26	Scraping rust from old rail or girders.	100 Sft.	2,257.20	2,437.20	Per Sqm	242.90	262.25	27.9 27.10	
27	Chiselling old paint from brick work.	100 Sft.	3,009.60	3,093.60	Per Sqm	323.85	332.85	27.12	
28	Cleaning glasses with chalk and spirit, etc.	100 Sft.	2,508.00	2,570.60	Per Sqm	269.85	276.60		
29	Cleaning and oiling rafter or rolled steel beams.	100 Sft.	752.40	834.65	Per Sqm	80.95	89.80	27.9	
30	Cleaning and painting punkha poles, including fixing hooks.	Each	594.00	620.25	Each	594.00	620.25	27.3	
31	Preparing surface and painting with emulsion paint:- a) first coat b) 2nd and each subsequent coat	100 Sft. 100 Sft.	717.55 550.45	1,690.25 1,308.65	Per Sqm Per Sqm	77.20 59.25	181.85 140.80	27.12 	
32	Preparing surface and painting with water proof coloured cement finish, like duracem, buxcoem or other finishes with similar specifications, on walls, etc. a) new surface: i) 1st coat ii) 2nd and subsequent coat b) old surface: i) 1st coat ii) 2nd and subsequent coat	100 Sft. 100 Sft. 100 Sft. 100 Sft.	717.55 550.45 717.55 550.45	1,134.20 912.80 889.35 719.65	Per Sqm Per Sqm Per Sqm Per Sqm	77.20 59.25 77.20 59.25	122.05 98.20 95.70 77.45	27.12 	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
33	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) new surface: i) 1st coat ii) 2nd coat b) old surface:	100 Sft. 100 Sft. 100 Sft.	2,455.20 1,346.40 1,346.40	4,726.20 2,652.90 2,652.90	Per Sqm Per Sqm Per Sqm	264.20 144.85 144.85	508.55 285.45 285.45		
34	Painting Traffic Lane 5" (125 mm) wide, with road marking enamel.	Per Rft.	4.25	7.75	Per Metre	13.95	25.45		
35	Painting Traffic Lane 5" (125 mm) wide with reflective chlorinated rubber (CR) paint including glass beads complete in all respect.	Per Rft.	5.65	24.30	Per Metre	18.45	79.70	AASHTO M248-91 (2000)	If glass beads are not used, reduce the Composite rate by: 4.05 P.Rft or 13.25 P.Meter
36	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge. i) 5" wide ii) 6" wide	Per Rft. Per Rft.	7.90 7.90	49.10 56.70	Per Metre Per Metre	25.85 25.85	160.95 186.00	* 1205-1 to 1205-8	Payment will be made as per actual measurement.
37	Repainting of ceiling fan (all sizes and types), including painting of blades, canopy, suspension rod and regulator, with suitable enamel paint.	Per Job	169.70	281.95	Job	169.70	281.95		
38	Repainting of iron poles with cross arms, with bitumen or other approved paint.	Per Job	396.00	783.35	Job	396.00	783.35		
39	Repainting of pipes and specials of G.I., M.S. or conduit, etc., fixed for on surface electric wiring, with approved paint: i) upto 40 mm (1½") dia ii) above 40 mm (1½") to 50 mm (2") dia iii) above 50 mm (2") to 100 mm (4") dia	Per Rft. ditto ditto	3.60 7.25 12.05	11.90 13.80 21.90	Per Metre Per Metre Per Metre	11.90 23.75 39.60	24.75 45.30 71.90		
40	Repainting main switches and branch distribution boards of all sizes and types, with approved paint (complete set).	Per Job	78.40	239.05	Job	78.40	239.05		
41	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height, or part thereof, requiring scaffolding.	100 Sft. per coat	240.75	-	Per Sqm	25.90	-		The height 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.
42	Lettering and printing of signage / direction boards / road delineators of any colour by machine i/c cost of Digital Lettering, Lamination & pasting etc complete in all respect. a) High Intensity Prismatic (HIP) Tape b) Diamond Grade Tape	P.Sft P.Sft	177.40 177.40	1,460.20 1,576.60	Per Sqm Per Sqm	1,908.55 1,908.55	15,711.50 16,963.95		
43	Providing and laying Rumble Strips with Thermoplastic Paint on pre-laid asphalt roads comprising of 8" wide yellow strip comprising of 03 Nos humps and 6" wide chequered strip in white colour with machine of specified thicknesses and pattern etc complete in all respect.	P.Rft	22.40	136.40	Per Metre	73.50	447.35		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
44	Preparing surface and Lacquer polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquer to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge. (i) Matt Finish (ii) Glossy Finish	Per Sft Per Sft	173.75 178.60	249.90 282.30	Per Sqm Per Sqm	1,869.60 1,921.80	2,688.85 3,037.45	27.6	
45	Preparing surface and painting with Matt/Glossy high chemical resistant/hard wearing Polyurethane paint (Epoxy Paint) by sprayer/Brush i/c the cost of Primer coat , all material and labour complete in all respects as approved and directed by the Engineer Incharge. (i) Priming Coat (ii) Each and subsequent Coat	Per Sft Per Sft	14.15 7.45	35.15 25.45	Per Sqm Per Sqm	152.10 80.10	378.00 273.90		
46	Providing and applying wall putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	100 Sft	340.55	539.50	Per Sqm	36.65	58.05		



CHAPTER NO.14 (LINING OF CANALS)

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 The rates also include curing for specified period wherever necessary.
- 3 Nominal dimension of tile or brick shall be taken for the purpose of measurement and payment.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Formation, dressing and preparing sub-grade:-							28.1 to 28.3	
	a) in bed	100Sft.	1,660.50	-	Per Sqm	178.65	-		
	b) on slope	100Sft.	2,265.10	-	Per Sqm	243.75	-		
2	Stabilized layer of cement, sand ratio 1:30, 2" (50 mm) thick on slope.	100Sft.	3,967.90	5,339.50	Per Sqm	426.95	574.55	ditto	
3	Cement plaster ½" (13 mm) thick ratio 1:10.							ditto	
	a) in bed	100Sft.	2,892.40	3,574.20	Per Sqm	311.20	384.60		
	b) on slope	100Sft.	3,591.70	4,273.55	Per Sqm	386.45	459.85		
4	Cement plaster 3/8" (10 mm) thick ratio 1:3.							ditto	
	a) in bed	100Sft.	2,892.40	4,104.40	Per Sqm	311.20	441.65		
	b) on slope	100Sft.	3,591.70	4,803.70	Per Sqm	386.45	516.90		
5	Cement plaster 1½" (40 mm) thick ratio 1:6.							ditto	
	a) in bed	100Sft.	3,591.70	6,483.95	Per Sqm	386.45	697.65		
	b) on slope	100Sft.	4,443.10	7,335.35	Per Sqm	478.10	789.30		
6	Tile lining 12"x6"x2" (300x 150x50 mm) in 1:6 cement, sand mortar:-							28.2 to 28.3	The rates are only for laying tiles over 1/8" (3 mm) thick layer of 1:6 mortar. Items 1 to 5 above are payable separately.
	a) in bed	100Cft.	16,770.60	46,185.25	Per Cum	5,923.40	16,312.65		
	b) on slope	100Cft.	19,245.60	48,660.25	Per Cum	6,797.55	17,186.80		
7	Tile lining 12"x6"x2" (300x150x50 mm) in 1:3 cement, sand mortar:-							28.2 to 28.3	The rates are only for laying tiles over 1/8" (3 mm) thick layer of 1:3 mortar. Items 1 to 5 above are payable separately.
	a) in bed	100Cft.	16,770.60	50,232.60	Per Cum	5,923.40	17,742.15		
	b) on slope	100Cft.	19,245.60	52,707.60	Per Cum	6,797.55	18,616.30		
8	Brick lining 9"x4½"x3" (225x113x75 mm) in 1:6 cement, sand mortar:-							28.2	The rates are only for laying bricks over 1/8" (3 mm) thick layer of 1:6 mortar. Items 1 to 5 above are payable separately.
	a) in bed	100Cft.	16,770.60	44,610.25	Per Cum	5,923.40	15,756.35		
	b) on slope	100Cft.	19,245.60	47,085.25	Per Cum	6,797.55	16,630.50		
9	Brick lining 9"x4½"x3" (225x113x75 mm), in 1:3 cement, sand mortar:-							ditto	The rates are only for laying bricks over 1/8" (3 mm) thick layer of 1:3 mortar. Items 1 to 5 above are payable separately.
	a) in bed	100Cft.	16,770.60	48,657.60	Per Cum	5,923.40	17,185.85		
	b) on slope	100Cft.	19,245.60	51,132.60	Per Cum	6,797.55	18,060.05		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10	Cement concrete lining, using washed screened and graded stone aggregate:-							20.1, 28.1 & 28.3	
	a) in bed:-								
	i) ratio 1:2:4	100Cft.	14,802.50	48,700.10	Per Cum	5,228.25	17,200.85		
	ii) ratio 1:3:6	100Cft.	14,802.50	41,492.90	Per Cum	5,228.25	14,655.30		
	iii) ratio 1:4:8	100Cft.	14,802.50	36,229.70	Per Cum	5,228.25	12,796.30		
	b) on slope:-								
	i) ratio 1:2:4	100Cft.	17,087.40	50,985.00	Per Cum	6,035.25	18,007.90		
	ii) ratio 1:3:6	100Cft.	17,087.40	43,777.80	Per Cum	6,035.25	15,462.30		
	iii) ratio 1:4:8	100Cft.	17,087.40	38,514.60	Per Cum	6,035.25	13,603.35		



CHAPTER NO.15 (SHEET PILING)

Rates for all finished works include the removal of surplus debris, unused material and by products.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Cutting Ransome and Larson piles.	Per cut	475.20	-	Per cut	475.20	-	29.1 - 29.3	1) The rate includes laying and removing of track and also carriage of piles to machine, average distance of 3 chains (90 metre). 2) The rates are for the tackle gangs only supplied by the contractor, Mechanical staff on-machines will be supplied by Government. 3) T-piles and adjustable junction piles will be counted as two piles.
2	Cutting universal piles.	Per cut	703.30	-	Per cut	703.30	-	29.1 - 29.3	
3	Driving steel piles, 25' to 30'. (7.5 to 9.0 m)	100Sft.	11,088.00	-	Per Sqm	1,193.05	-	29.1 - 29.3	
4	Driving steel piles, more than 15' (4.6 m) and less than 25' (7.5 m).	100Sft.	10,612.80	-	Per Sqm	1,141.95	-	ditto	ditto
5	Driving steel piles, 15' (4.5 m) and under.	100Sft.	7,761.60	-	Per Sqm	835.15	-	ditto	ditto
6	Dollying piles.	Each	681.10	-	Each	681.10	-	ditto	Upto 5' (1.5 m) dollying.
7	Drilling holes in piles by hand.	Each	65.35	-	Each	65.35	-	ditto	
8	Raising and lowering machine.	Per Rft	10,428.00	-	Per Metre	34,203.85	-	ditto	
9	Turning Machine, 90°.	Per Job	15,127.20	-	Per Job	15,127.20	-	29.1 to 29.3	
10	Turning Machine, 135°.	Per Job	18,928.80	-	Per Job	18,928.80	-	ditto	
11	Turning Machine, 180°.	Per Job	25,740.00	-	Per Job	25,740.00	-	29.1 to 29.3	
12	Travelling machine (light).	Per Chain	30,373.20	-	30 M.	30,373.20	-	ditto	
13	Loading and unloading piles.	Ton	556.80	-	Tonne	548.00	-	ditto	To be done by hand carts or ramps, including cost of ropes.
14	Dismantling piling machine.	Each	64,185.00	-	Each	64,185.00	-	ditto	
15	Erecting piling machine.	Each	74,059.60	-	Each	74,059.60	-	ditto	
16	Carriage of piling machine under different conditions.	per chain	12,295.80	-	30 M	12,295.80	-	ditto	

CHAPTER NO.16 (PROTECTION & DIVERSION WORKS)

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 The composite rates of the items in which stone, boulders, shingle spawl are used do not contain the carriage of these stone materials, which will be paid separately by road, and/or rail, whichever means of transport is adopted. The supply and carriage to site of work of all other material required in the item, is included in the composite rates.
- 3 The carriage of stone or spawl will be paid on the basis of actual stack measurement (without any reduction factor) of the stone, boulders, shingle or spawl carried.
- 4 Where stone, boulder or spawl is issued from stock and contractor is paid for its carriage and/ or labour only; or where such stone product is supplied, carried or handled by the contractor in which no laying is required, the actual stack measurement (without any reduction factor) shall form the basis of payment of supply or The quantity of finished and completed item of work shall form the basis of laying.
- 5 In case of the items in which the rates include carriage of stakes, bushing, Pilchi, sarkanda or farash, etc. within one mile (1.6 Km.)
 - i) The cost of the carriage within one mile (one Km) shall not be deducted from the carriage charges to follow thereafter from the point of supply.
 - ii) If the site of work happens to be within one mile (one Km.) of the source of supply, the materials will be collected and measured at site of work and no extra carriage would be admissible in such cases.
 - iii) where the site of the work is situated at more than one mile (one Km.) distance from the source of supply, the point of supply will be fixed carefully by the Engineer-in-charge in such a way that the carriage charges would be arrived at, most economically. Extra carriage will be admissible from the place of supply of the material which will be considered its starting point. The demarcation of the place of supply will be pre-determined before calling the tenders.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Cutting pilchi frash or sarkanda including carriage within one mile.	100Cft.	2,859.10		Per Cum	1,009.70			
2	Weaving mattresses.	100Cft.	5,417.30		Per Cum	1,913.10			
3	a) Supplying and filling jute bags 1.25 (0.035 cum) Cft., capacity, with sand or earth, sewing and stacking, in dry.	Per Bag	84.65	137.30	Per Bag	84.65	137.30		The rate does not include supply of sand or earth for filling bags, which will be paid extra.
	b) Supply and filling jute bags 1.25 (0.35 cum) Cft. capacity, with sand or earth, sewing and laying in position, under water.	Per Bag	131.65	184.35	Per Bag	131.65	184.35		-ditto-
4	a) Supplying and filling jute bags 4 to 5 cft (0.11 to 0.14 cum) capacity, with sand or earth, sewing and stacking, in dry.	Per Bag	202.55	301.40	Per Bag	202.55	301.40		The rate does not include supply of sand or earth for filling bags, which will be paid extra.
	b) Supply and filling new jute bags 4 to 5 cft (0.11 to 0.14 cu.m) capacity, with sand or earth, sewing and laying in position, under water.	Per Bag	289.40	388.20	Per Bag	289.40	388.20		-ditto-
5	Carriage of jute bags 1.25 Cft. (0.035 cu m) capacity, filled with sand or earth:-								
	a) 1st chain (30 m)	100 Nos	752.40		100 Nos	752.40			
	b) 2nd to 4th chain (30 m to 120 m)	Per chain Per 100 Nos/	270.85		Per 30 m Per 100 Nos/	270.85			
	c) 5th and subsequent chains (150 m and subsequent every 30 m)	ditto	105.35		ditto	105.35			
6	Carriage of new jute bags 4 to 5 Cft.(0.11 to 0.14 cu.m) capacity, filled with sand or earth:-								
	a) 1st chain (1st 30 metre)	100 Nos	3,009.60		100 Nos	3,009.60			
	b) 2nd to 4th chain (60 m to 120 m)	per chain per 100Nos	1,053.35		Per 30 m per %Nos	1,053.35			

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	c) 5th and subsequent chains (150 m and subsequent every 30 m)	ditto	406.30		ditto	406.30			
7	Rolling mattresses to river edge and floating, after unrolling:-								
	a) area of mattress upto 2,000 Sft. (186 sq.m)	100Sft.	1,692.90		Per Sqm	182.15			
	b) area of mattress 2,000 to 2,500 Sft. (186 sq.m to 232 sq.m)	100Sft.	2,821.50		Per Sqm	303.60			
	c) area of mattress over 2,500 Sft. (232 sq.m)	ditto	3,291.75		Per Sqm	354.20			
8	Sewing empty cement bags in sheets.	100 Nos	2,633.40	2,716.25	100 Nos	2,633.40	2,716.25		
9	Making compact round pilchi, frash or sarkanda round bundles of specified size for the work.	100Cft.	3,667.95	4,003.35	Per Cum	1,295.50	1,414.00		Measured in the shape of compact round bundles and of size specified for the work, before filling at site.
10	Launching the above and placing in position.	100Cft.	1,805.75		Per Cum	637.70			
11	Supply within 5 chains (150 m):-								
	a) Boulders 9" (225 mm) and above	100Cft.	5,447.40		Per Cum	1,923.75			
	b) Over size shingle 3" to 9" (75 to 225 mm)	ditto	3,641.60		Per Cum	1,286.05			
	c) Mixed graded shingle	ditto	4,318.80		Per Cum	1,525.20			
12	Supplying Munj or Patha Trungers 6" (150 mm) mesh to hold 3 Cft. (0.085 cu.m)	Each	235.15	381.00	Each	235.15	381.00		
13	Providing and weaving G.I. wire netting for wire crates, with G.I. wire of approved size (including siding and partition to make crate):-								
	a) 6" (150 mm) mesh								
	i) 15 SWG wire	100Sft.	2,979.90	4,550.70	Per Sqm	320.65	489.65		
	ii) 10 SWG wire	ditto	3,192.75	8,292.75	Per Sqm	343.55	892.30		
	iii) 8 SWG wire	ditto	3,192.75	11,189.55	Per Sqm	343.55	1,204.00		
	b) 4" (100 mm) mesh								
	i) 15 SWG wire	100Sft.	3,831.30	5,998.15	Per Sqm	412.25	645.40		
	ii) 10 SWG wire	ditto	4,257.00	11,891.70	Per Sqm	458.05	1,279.55		
	iii) 8 SWG wire	ditto	4,257.00	16,226.70	Per Sqm	458.05	1,746.00		
14	Providing and laying shingle on top of bund, including handling of materials within three chains.	100Cft.	1,881.00	3,531.00	Per Cum	664.30	1,247.00		
15	Supply and dumping at site, without boat, including handling of materials within three chains (90 m)								
	a) stone or boulder	100Cft.	3,291.75	4,611.75	Per Cum	1,162.50	1,628.65		The rate includes supply of brick bats to site of work.
	b) shingle or spawl	ditto	3,291.75	4,941.75	Per Cum	1,162.50	1,745.20		
	c) brick bats	ditto	2,539.35	10,129.35	Per Cum	896.90	3,577.70		
16	Supply and dumping by boat, including loading into boat within three chains (90 m) lead, and hire charges of boat and boatman.								
	a) stone or boulder	100Cft.	5,942.65	7,262.65	Per Cum	2,098.95	2,565.15		The rate includes supply of brick bats to site of work.
	b) shingle or spawl	ditto	5,942.65	7,592.65	Per Cum	2,098.95	2,681.70		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	c) brick bats	ditto	5,190.25	12,780.25	Per Cum	1,833.20	4,514.00		
17	Providing and filling brick bats in crates (excluding cost of crates).	100Cft.	4,821.30	12,411.30	Per Cum	1,702.90	4,383.65		The rate includes supply of brick bats to site of work.
18	Supplying and filling bricks in crates and hand packing (excluding cost of crates).	100Cft.	5,761.80	29,611.80	Per Cum	2,035.05	10,458.90		The rate includes supply of bricks to site of work.
19	Supply and filling in wire crates, including sewing crates (excluding cost of crates):-								
	i) stone or boulder	100Cft.	6,514.20	7,834.20	Per Cum	2,300.80	2,767.05		
	ii) shingle or spawl	ditto	6,514.20	8,164.20	Per Cum	2,300.80	2,883.60		
20	Extra for anchoring boat, for dumping by boats or tipping crates.	100Cft.	662.10	-	Per Cum	233.85	-		
21	Extra for tipping crates (in addition to anchoring boats).	100Cft.	3,310.55	-	Per Cum	1,169.30	-		
22	Pilchi reventment, including carriage upto one mile (1.6 km.)	100Sft.	1,881.00	2,821.00	Per Sqm	202.40	303.55	30.1	
23	Surface protection with pilchi mattresses, carriage upto one mile (1.6 Km).	100Sft.	4,702.50	4,796.50	Per Sqm	506.00	516.10	ditto	
24	Pilchi, sarkanda or frash pitching on slopes, including supply of pilchi, sarkanda or frash within one mile, (1.6 km) also supply and driving of pegs 1½' (460 mm) long sharpened at one end and, tying with wire or Munj Ban (excluding cost of placing earth between rolls).	100Sft.	12,185.40	14,830.55	Per Sqm	1,311.15	1,595.75		The cost of placing earth between rolls shall be paid separately, as earthwork.
25	Constructing Groynes upto 5' (1.5 m) height, with single row of wooden vertical stakes 7" to 12" (175 to 300 mm) dia, 1' (300 mm) apart, average lead one mile (1.6 km.)	100Sft.	3,900.60	4,197.35	Per Sqm	419.70	451.65		Measurement to be made of the area of elevation on one face only.
26	Construction Groynes upto 10' (3.0 m) height, with double row of wooden vertical stakes 7" to 12" (175 to 300 mm) dia, 2' (600 mm) apart, average lead one mile (1.6 Km).	100Sft.	6,613.20	6,966.85	Per Sqm	711.60	749.65		
27	Providing and laying stone pitching/filling, dry hand packed, as filling behind retaining walls or in pitching and aprons.	100Cft.	4,257.00	6,849.00	Per Cum	1,503.55	2,419.05		
28	Providing and laying stone pitching with hammer dressed stones on surface, laid in courses.	100Cft.	10,989.00	13,293.00	Per Cum	3,881.30	4,695.10		
29	Providing and laying stone pitching, for top layer only:-								
	a) one slope	100Cft.	9,207.00	11,511.00	Per Cum	3,251.90	4,065.70		
	b) on level	ditto	8,266.50	10,570.50	Per Cum	2,919.75	3,733.50		
30	Providing and laying stone or spawl filling:-								
	a) on level	100Cft.	2,475.00	3,975.00	Per Cum	874.15	1,403.95		
	b) on slope	ditto	3,021.50	4,521.50	Per Cum	1,067.20	1,597.00		
31	Providing and laying stone pitching, hand packed, with surface levelled off to the correct section and voids filled in 1:8 cement, sand mortar, in floors of bridges along banks and in appons etc.								
	i) top layer on slope	100Cft.	12,119.60	19,621.25	Per Cum	4,280.65	6,930.25		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) top layer on level	ditto	11,179.10	18,680.75	Per Cum	3,948.45	6,598.05		
	iii) stone pitching/filling on slope or on level (other than top layer).	ditto	6,494.80	14,284.50	Per Cum	2,293.95	5,045.30		
32	Grouting stone pitching or apron, etc. in:-								
	a) cement, sand mortar 1:3	100Sft.	4,183.75	14,599.50	Per Sqm	450.15	1,570.90		
	b) cement, sand mortar 1:8	ditto	3,544.20	8,741.90	Per Sqm	381.35	940.65		
33	Sand grouting in stone apron, with high pressure hose.	100Sft.	1,415.70	2,975.70	Per Sqm	152.35	320.20		
34	Grouting stone filling or pitching, with bajri.	100Cft.	2,351.25	3,719.25	Per Cum	830.45	1,313.65		
35	Removing stone and repitching hand packed, on slopes or level after making good damaged slope/portion.	100Cft.	8,644.70	-	Per Cum	3,053.30	-		
36	Collecting and stacking boulders from nullah beds or loose shale, or from any other site, within 3 chains (90 m) lead.	100Cft.	3,009.60	-	Per Cum	1,063.00	-		
37	Levelling and dressing stone filling under blocks and grouting with shingle.	100Cft.	2,475.00	3,843.00	Per Cum	874.15	1,357.35		
38	Grouting jharies between blocks with bajri.	100Cft.	2,475.00	3,387.00	Per Cum	874.15	1,196.30		
39	Breaking stone into spawls and stacking	100Cft.	2,257.20	-	Per Cum	797.25	-		
	<u>Canal and Roads</u>								
40	Fixing floating spurs, with material from canal plantation within one mile (1.6 Km) lead:-								
	a) upto 2.0' (600 mm) F.S. depth	Each	79.65	-	Each	79.65	-		
	b) above 2.0' to 3.0' (600 to 900 mm) F.S. depth	Each	89.60	-	Each	89.60	-		
	c) above 3.0' to 4.0' F.S. (900 mm to 1200mm) depth	Each	119.45	-	Each	119.45	-		
	d) above 4.0' (1200 mm) F.S. depth	Each	298.65	-	Each	298.65	-		
41	Staking and bushing from canal plantation, royalty to be paid to Forest Department or cost to private owner, if and when required:-								
	a) i) Cutting and supply unsharpened pegs 3.5' (1.07 m) long, 3" to 6" (75 to 150 mm) dia, within one mile (1.6 Km) lead.	100 Nos	3,762.00	3,823.25	100 Nos	3,762.00	3,823.25		
	ii) Sharpening one end of 3.5' (1.07 m) long pegs, 3" to 6" (75 to 150 mm) dia.	100 Nos	1,702.80	-	100 Nos	1,702.80	-		
	iii) Driving pegs 3.5' (1.07 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.0' (300 mm) below the available bed or ground (average).	100 Nos	2,661.10	-	100 Nos	2,661.10	-		
	iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).	Per Chain of One Row	188.10	289.50	Per 30 Metre of one row	188.10	289.50		
	v) Cutting and supplying brush wood from canal plantation or private owners, lead within one mile (1.6 Km) and wattling between stakes and intertwining	ditto	2,616.70	2,945.70	ditto	2,616.70	2,945.70		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(thickness of wattled brushwood 1.0' (300 mm) average).								
b)	i) Cutting and supplying unsharpened pegs 4.0' (1.20 m) long, 3" to 6" (75 to 150 mm) dia, from canal plantation, lead within one mile (1.6 Km).	100 Nos	96.40	166.10	100 Nos	96.40	166.10		
	ii) Sharpening one end of 4' (1.20 M) long pegs, 3" to 6" (75 to 150 mm) dia.	100 Nos	1,702.80	-	100 Nos	1,702.80	-		
	iii) Driving pegs 4' (1.20 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.0' (300 mm) below the available bed or ground (average).	100 Nos	2,999.30	-	100 Nos	2,999.30	-		
	iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).	Per Chain of one row	188.10		Per 30 M of one row	188.10			
	v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km). and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	7,078.50		ditto	7,078.50			
c)	i) Cutting and supplying unsharpened pegs 5.0' (1.5 m) long, 3" to 6" (75 to 150 mm) dia, from canal plantation, lead within one mile (1.6 Km).	100 Nos	120.55	207.75	100 Nos	120.55	207.75		
	ii) Sharpening one end of 5' (1.5 m) long pegs, 3" to 6" (75 to 150 mm) dia.	100 Nos	1,797.85	-	100 Nos	1,797.85	-		
	iii) Driving pegs 5' (1.5 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.5' (450 mm) below the available bed or ground (average).	100 Nos	3,405.60	-	100 Nos	3,405.60	-		
	iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).	Per Chain of one row	188.10	289.50	Per 30 M of one row	188.10	289.50		
	v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	Per chain of one row	3,564.00	4,024.25	Per 30 M of one row	3,564.00	4,024.25		
d)	i) Cutting and supplying unsharpened pegs 6.0' (1.8 m) long, 3" to 6" (75 to 150 mm) dia, from canal plantation, lead within one mile (1.6 Km).	100 Nos	7,524.00	7,628.65	100 Nos	7,524.00	7,628.65		
	ii) Sharpening one end of 6' (1.8 m) long pegs, 3" to 6" (75 to 150 mm) dia.	100 Nos	2,138.40	-	100 Nos	2,138.40	-		
	iii) Driving pegs 6' (1.8 m) long, 3" to 6" (75 to 150 mm) dia (driven 1.75' (530 mm) below the available bed or ground (average).	100 Nos	4,086.70	-	100 Nos	4,086.70	-		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).	Per Chain of one row	188.10	289.50	Per Chain of one row	188.10	289.50		
	v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	8,019.00	8,577.95	ditto	8,019.00	8,577.95		
e)	i) Cutting and supplying unsharpened pegs 6'-1" to 8.0' long (1.85 to 2.45 m), 4" to 8" (100 to 200 mm) dia, from canal plantation, lead within one mile (1.6 Km).	100 Nos	5,643.00	5,860.00	100 Nos	5,643.00	5,860.00		
	ii) Sharpening one end of 6'-1" to 8.0' (1.85 to 2.45m) long pegs, 4" to 8" (100 to 200 mm) dia.	100 Nos	2,724.50	-	100 Nos	2,724.50	-		
	iii) Driving pegs 6'-1" to 8.0' (1.85 to 2.45 m) long, 3" to 6" (75 to 150 mm) dia driven 2' (600 mm) below the available bed or ground (average).	100 Nos	4,502.50	-	100 Nos	4,502.50	-		
	iv) Tying pegs with Munj, Patha ban (one line, including tying around the pegs).	Per chain of one row	188.10	244.25	Per 30 M of one row	188.10	244.25		
	v) Cutting and supplying brush wood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	Per Chain of one row	9,207.00	9,864.55	Per 30 M of one row	9,207.00	9,864.55		
42	Staking with Bamboo from market and bushing from canal plantation or private source (royalty of brushwood to be paid to Forest Department or cost to private owner, if and when required):-								
a)	i) Supplying Bamboos 8'-1" to 10.0' (2.46 to 3.05 m) long, 2½" to 5" (63 m to 125 mm) dia.	100 Nos		97,200.00	100 Nos		97,200.00		
	ii) Sharpening one end of 8'-1" to 10.0' (2.46 to 30.5 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.	100 Nos	2,383.90	-	100 Nos	2,383.90	-		
	iii) Driving Bamboos 8'-1" to 10.0' (2.46 to 3.05 m) long 2½" to 5" (63 to 125 mm) dia, driven 2.5' (750 mm) below the available bed or ground (average).	100 Nos	4,938.10	-	100 Nos	4,938.10	-		
	iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with Munj, Patha Ban, two lines, including tying around the Bamboos.	Per Chain of one row	282.15	441.25	Per 30 M of one Row	282.15	441.25		
	v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km), and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	11,335.50	12,189.50	ditto	11,335.50	12,189.50		
b)	i) Supplying Bamboos 10'-1" to 12.0' (3.07 to 3.66 m) long, 2½" to 5" (63 to 125 mm) dia.	100 Nos	-	104,400.00	100 Nos	-	104,400.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) Sharpening one end of 10'-1" to 12.0' (3.07 to 3.66 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.	100 Nos	2,724.50	-	100 Nos	2,724.50	-		
	iii) Driving Bamboos 10'-1" to 12.0' (3.07 to 3.66 m) long 2½" to 5" (63 to 125 mm) dia, driven 2.75' (840 mm) below the available bed or ground (average).	100 Nos	5,353.90	-	100 Nos	5,353.90	-		
	iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.	Per chain of one row	940.50	3,505.35	Per 30 M of one Row	940.50	3,505.35		
	v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	13,810.50	14,895.50	ditto	13,810.50	14,895.50		
c)	i) Supplying Bamboos 12'-1" to 14.0' (3.68 to 4.27 m) long, 2½" to 5" (63 to 125 mm) dia.	100 Nos	-	116,400.00	100 Nos	-	116,400.00		
	ii) Sharpening one end of 12'-1" to 14.0' (3.68 to 4.27 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.	100 Nos	3,065.05	-	100 Nos	3,065.05	-		
	iii) Driving Bamboos 12'-1" to 14.0' (3.68 to 4.27 m) long 2½" to 5" dia, driven 3.5' (1.07 mm) below the available bed or ground (average).	100 Nos	6,130.10	-	100 Nos	6,130.10	-		
	iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.	Per chain of one row	940.50	3,505.35	Per 30 M of one row	940.50	3,505.35		
	v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	16,285.50	17,535.00	ditto	16,285.50	17,535.00		
d)	i) Supplying Bamboos 14'-1" to 16.0' (4.30 to 4.90 m) long, 2½" to 5" (63 to 125 mm) dia.	100 Nos	-	140,400.00	100 Nos	-	140,400.00		
	ii) Sharpening one end of 14'-1" to 16.0' (4.30 to 4.90 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.	100 Nos	3,405.60	-	100 Nos	3,405.60	-		
	iii) Driving Bamboos 14'-1" to 16.0' long (4.30 to 4.90m) 2½" to 5" (63 to 125 mm) dia, driven 4' (1.20 m) below the available bed or ground (average).	100 Nos	6,811.20	-	100 Nos	6,811.20	-		
	iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.	Per Chain of one Row	940.50	3,505.35	Per 30 M of one Row	940.50	3,505.35		
	v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	18,790.20	20,236.85	ditto	18,790.20	20,236.85		
e)	i) Supplying Bamboos 16'-1" to 20' (4.9 to 6.10 m) long, 2½" to 5" (63 to 125 mm) dia.	100 Nos	-	176,400.00	100 Nos	-	176,400.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) Sharpening one end of 16'-1" to 20' (4.9 to 6.10 m) long Bamboos, 2½" to 5" (63 to 125 mm) dia.	100 Nos	4,086.70	-	100 Nos	4,086.70	-		
	iii) Driving Bamboos 16'-1" to 20' long (4.9 to 6.10 m) 2½" to 5" (63 to 125 mm) dia, driven 4' (1.20 m) below the available bed or ground (average).	100 Nos	8,173.45	-	100 Nos	8,173.45	-		
	iv) Tying Bamboos 2½" to 5" (63 to 125 mm) dia with S.W.G. No. 10 wire, two lines, including tying around the Bamboos and third tie around the top end only.	Per Chain of one row	940.50	3,505.35	Per 30 M of one row	940.50	3,505.35		
	v) Cutting and supplying brushwood from canal plantation or private source, lead within one mile (1.6 Km) and wattling between stakes and intertwining (thickness of wattled brushwood 1.0' (300 mm) average).	ditto	23,611.50	25,452.50	ditto	23,611.50	25,452.50		
43	Cutting and supplying brushwood from canal plantation or from any other source, within one mile (1.6 Km).	100Cft.	940.50	1,071.75	Per Cum	332.20	378.55		Royalty to be paid to the Forest Department or cost to the private owner, if and when required.
44	Filling brush wood only, thoroughly packed.	100Cft.	752.40	-	Per Cum	265.75	-		Measured in compacted and packed shape before filling.
45	Covering road 10' to 12' (3.00 to 3.65 m) wide, with 3" (75 mm) sarkanda or jungle upto one chain lead (30 m).	Per Chain	1,805.75	-	Per 30 M	1,805.75	-		
46	a) Gachi pitching 1' (300 mm) thick.	100Sft.	9,781.20	-	Per Sqm	1,052.45	-		
	b) Gachi pitching done with silt clearance and berm dressing.	100Sft.	8,276.40	-	Per Sqm	890.55	-		
47	Providing, mixing and placing cement sand & Bituminious joint sealent Ratio 1:2:3, 1/2" wide- 1" deep (10' C/C) in construction control joints.	P.Rft	-	18.35	Per Meter	-	60.15		

CHAPTER NO.17 (OUTLETS)

Rates for all finished works include the removal of surplus debris, unused material and byproducts.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Earthwork for outlets, excavation refilling, ramming and puddling:-							17.1 to 17.5	Includes consolidation of earth after refilling.
	a) channels, discharge upto 50 cusecs.	Job	3,135.00	-	Job	3,135.00	-		
	b) channels, discharge from 51 to 100 cusecs.	Job	4,138.20	-	Job	4,138.20	-		
	c) channels, discharge from 101 to 200 cusecs.	Job	6,270.00	-	Job	6,270.00	-		
	d) channels, discharge from 201 to 350 cusecs.	Job	8,464.50	-	Job	8,464.50	-		
	e) channels, discharge over 350 cusecs.	Job	12,540.00	-	Job	12,540.00	-		
2	Dismantling outlets:-							18.1	These rates are for total dismantlement and removal of material. The rates do not include earth work for which rates are given in item 1, above.
	a) old types, such as K.G.O's orifices, etc.	Each	3,135.00	-	Each	3,135.00	-		
	b) A.P.M. or O.F., "H" upto 2.0 ft. (600 mm)	Each	4,702.50	-	Each	4,702.50	-		
	c) A.P.M. or O.F., "H" from 2.1 ft. to 3.0'. (630 mm to 900 mm)	Each	6,270.00	-	Each	6,270.00	-		
	d) A.P.M. or O.F., "H" above 3.0'. (900 mm)	Each	7,837.50	-	Each	7,837.50	-		
	e) Tail cluster bifurcation	Each	4,702.50	-	Each	4,702.50	-		
	f) Tail cluster trifurcation	Each	6,270.00	-	Each	6,270.00	-		
	g) Tail cluster quardification	Each	7,837.50	-	Each	7,837.50	-		
3	Making temporary A.P.M. bricks block and fixing at site.	Each	1,404.80	2,159.00	Each	1,404.80	2,159.00	21.1 & 21.2	
4	Dismantling walls, taking out temporary A.P.M. brick block, fixing iron block and rebuilding dismantled walls.	Job	2,930.40	-	Job	2,930.40	-	18.1, 21.1 & 21.2	
5	Dismantling walls and fitting iron block of O.F. outlet.	Each	2,930.40	-	Each	2,930.40	-	18.1, 21.1 & 21.2	
6	Constructing, watching and removing bund for outlet built in running water:-							17.1 to 17.2	
	a) upto 3.0' (0.300 m) depth	Each	7,524.00	-	Each	7,524.00	-		
	b) above 3.0' (0.300 m) depth	Each	10,157.40	-	Each	10,157.40	-		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
7	Adjusting "B" of tail cluster by dismantling and rebuilding throat walls.	Each	1,574.10	2,599.50	Each	1,574.10	2,599.50	18.1, 21.1 & 21.2	Rates to be Rs. 4.00 less in case of O.F. outlets, where there is no O.F. iron block.
8	Adjusting "Y" of an A.P.M. outlet, including dismantling and rebuilding.	Each	3,069.00	4,736.40	Each	3,069.00	4,736.40	ditto	
9	Extra labour in fixing A.P.M. and O.F. outlet blocks, including dressing of bricks:-							21.1 & 21.2	
	a) for channel depth of 5.0'. (1.5 m)	Each	3,405.60	3,760.80	Each	3,405.60	3,760.80		
	b) for channel depth of 4.0'. (1.2 m)	Each	2,554.20	2,909.40	Each	2,554.20	2,909.40		
	c) for channel depth of 3.0'. (900 mm)	Each	2,043.35	2,398.55	Each	2,043.35	2,398.55		
	d) for channel depth of 2.0'. (600 mm)	Each	1,702.80	1,977.00	Each	1,702.80	1,977.00		
	e) for channel depth of less than 2.0'. (600 mm)	Each	1,362.25	1,555.45	Each	1,362.25	1,555.45		
10	Repairing damaged reducing collar of Hume pipe outlets.	Each	1,404.80	1,886.60	Each	1,404.80	1,886.60		
11	Laying iron pipes for outlets.	Per Lft.	68.10	-	Per Metre	223.45	-	21.1, 21.2 & 17.1 to 17.5	At the discretion of the Engineer-in-charge depending upon the distance and source of supply.
12	Water allowance for constructing outlets or culverts, when canal water is not flowing.	Each	1,529.90		Each	1,529.90			
			to			to			
			3,135.00			3,135.00			
13	Hoisting and placing R.C. slab or stone in position on outlets or W.C. culverts.	Each	1,131.90	-	Each	1,131.90	-		
14	Fixing pipe outlet, including back filling of earth and puddling:-							17.1 to 17.5 & 21.1 to 21.2	
	a) portion under bank.	P. Rft.	290.40	314.10	Per Metre	952.75	1,030.45		
	b) portion under road, beyond bank.	P. Rft.	125.75	149.40	Per Metre	412.50	490.20		
15	Removing pipe outlet, refilling earth and puddling.							17.1 to 17.5	
	a) portion under bank.	P. Rft.	250.80	-	Per Metre	822.85	-		
	b) portion under road, beyond bank.	P. Rft.	94.05	-	Per Metre	308.55	-		
16	Changing pipe outlets by removing one pipe and replacing it at the same site with another pipe complete with earth and puddling.								
	a) portion under bank.	P. Rft.	345.20	368.85	Per Metre	1,132.50	1,210.15		
	b) portion under road, beyond bank.	P. Rft.	172.60	196.25	Per Metre	566.25	643.95		

CHAPTER NO.18 (ROAD & ROAD STRUCTURE)

- 1 Specification No. correspond to Book of "Standard Specification for Road and Bridge Construction 2022".
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 3 The rates include the provision and maintenance of field test laboratory, pay of laboratory staff, cost of material for testing, etc.
- 4 Subsequent carriage of crushed stone aggregate and bajri will be paid according to the following:
 - a) The carriage for the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and / or rail, as the case may be.
 - b) It shall be payable from the nearest approved quarry to site of work.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	Sub-base & base construction								
1	Providing and laying sub-base course of brick on edge 4½" (113 mm) thick, including compaction to required camber and grade.	100Cft.	9,268.85	32,215.25	Per Cum	3,273.75	11,378.40	5-5	The nominal thickness of bricks shall be taken for the purpose of measurement and payment.
2	Providing and laying sub-base course of brick aggregate, including compaction of sub-base course material to required depth, camber, grade & density.	100Cft.	7,411.50	10,649.10	Per Cum	2,617.75	3,761.25	5-2	To be used only when brick aggregate is cheaper than stone aggregate.
3	a) Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate.							5-2	
	i) Pit run or bed run gravel.	100Cft.	7,411.50	8,779.50	Per Cum	2,617.75	3,100.90		
	ii) Crushed stone aggregate.	100Cft.	7,411.50	9,859.50	Per Cum	2,617.75	3,482.40		
	(b) Subsequent carriage of gravel and crushed stone aggregate	100Cft. of consolidated sub-base							1) The carriage of the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and/or rail, as the case may be. 2) It shall be payable from the nearest approved quarry. 3) The quantity of pit run or bed run gravel and crushed stone aggregate for payment of carriage shall be taken as per actual loose volume but not more than 120 Cft.
4	a) Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work except gravel and aggregate.	100Cft.	8,599.50	13,218.60	Per Cum	3,037.35	4,668.80	5-7	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) Subsequent carriage of crushed stone aggregate.	100Cft. of console-dated base							1) The carriage for the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and/or rail, as the case may be. 2) It shall be payable from the nearest approved quarry. 3) The quantity of crushed stone aggregate for payment of carriage shall be taken as per actual loose volume but not more than 122 Cft.
5	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.	Per Rft.	23.75	69.55	Per Metre	77.95	228.20	5-10	
	<u>Bituminous Work & Resurfacing</u>								
6	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.	100Sft.	376.20	2,096.35	Per Sqm	40.50	225.55	6-1	
7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	100Sft.	376.20	1,211.45	Per Sqm	40.50	130.35	6-2	
8	Providing surface treatment to roads, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating, spraying bitumen, spreading bajri and rolling etc. complete including carriage of all materials to site of work except bajri/crushed stone aggregate for which supply within 3 miles (5.0 km) is included in the rate.								<u>The use of mechanized surface treatment would be certified by the concerned Chief Engineer through a certificate that mechanization has been used on the respective project, otherwise manual rates would be applicable.</u>
	1 By Mechanical means							6-3	
	a) 1) 1st coat:-								
	i) 40 lbs. bitumen, and 5.5 Cft. bajri of nominal size 1" (25 mm) per 100 sq. feet or 1.96 Kg bitumen and 0.017 cu.metre bajri per square metre..	100Sft.	142.55	5,828.70	Per Sqm	15.35	627.15		
	ii) 35 lbs. bitumen, and 4.0 Cft. bajri of nominal size ¾" (20 mm) per %Sft. or 1.72 Kg bitumen and 0.013 cu.metre bajri per sq.metre.	100Sft.	146.50	4,771.90	Per Sqm	15.75	513.45		
	2) 2nd coat:-								
	i) 25 lbs. bitumen, and 2.75 Cft. bajri of nominal size ½" (13 mm) per %sft or 1.23 Kg bitumen and 0.008 cu. metre bajri per sq.metre.	100Sft.	112.70	3,467.10	Per Sqm	12.15	373.05		
	ii) 18 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per %Sft. or 0.89 Kg bitumen and 0.006 cu.metre bajri per sq. metre.	100Sft.	112.70	2,753.65	Per Sqm	12.15	296.30		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	3) 3rd coat:- 14 lbs. bitumen, and 1.5 Cft. bajri of nominal size ¼" (6 mm) per %sft or 0.69 Kg bitumen and 0.005 cubic metre bajri per sq.metre. b) Subsequent carriage of crushed stone aggregate/bajri,	100Sft.	77.10	2,049.50	Per Sqm	8.30	220.55		1) The carriage for the whole distance to the site of work shall be calculated on the basis of the rates of the actual means of transport used in carriage, i.e. road and/or rail, as the case may be. 2) It shall be payable from the nearest approved quarry.
		100Cft.			Per Cum				
	2 By Manual a) 1) 1st coat:- i) 40 lbs. bitumen, and 5.5 Cft. bajri of nominal size 1" (25 mm) per 100 sq. feet or 1.96 Kg bitumen and 0.017 cu.metre bajri per square metre. ii) 35 lbs. bitumen, and 4.0 Cft. bajri of nominal size ¾" (20 mm) per %Sft. or 1.72 Kg bitumen and 0.013 cu.metre bajri per sq.metre.	100Sft.	296.35	4,753.20	Per Sqm	31.90	511.45		
		100Sft.	296.35	4,168.50	Per Sqm	31.90	448.55		
	2) 2nd coat:- i) 25 lbs. bitumen, and 2.75 Cft. bajri of nominal size ½" (13 mm) per %sft or 1.23 Kg bitumen and 0.008 cu. metre bajri per sq.metre. ii) 18 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per %Sft. or 0.89 Kg bitumen and 0.006 cu.metre bajri per sq. metre.	100Sft.	228.00	2,990.00	Per Sqm	24.55	321.70		
		100Sft.	228.00	2,217.55	Per Sqm	24.55	238.60		
	3) 3rd coat:- 14 lbs. bitumen, and 1.5 Cft. bajri of nominal size ¼" (6 mm) per %sft or 0.69 Kg bitumen and 0.005 cubic metre bajri per sq.metre. b) Subsequent carriage of crushed stone aggregate/bajri,	100Sft.	156.00	1,700.60	Per Sqm	16.80	183.00		
		100Cft.			Per Cum				
9	Resurfacing of road, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating, spraying of bitumen, rolling, spreading bajri/crushed stone complete, including carriage of all materials to site of work except bajri/crushed stone aggregate for which supply within 3.0 Miles (5 km) is included in the rate.							6-3	
	1 By Mechanical means a) i) 22 lbs. bitumen, and 2.5 Cft. bajri of nominal size ½" (13 mm) per %Sft. or 1.07 Kg bitumen and bajri 0.007 cu.m per sq.m.	100Sft.	126.70	3,104.45	Per Sqm	13.65	334.05		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) 20 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per % Sft. or 0.79 Kg bitumen and 0.006 cu.metre bajri per sq.metre.	100Sft.	126.70	2,913.00	Per Sqm	13.65	313.45		
	b) Subsequent carriage of crushed stone aggregate/bajri.	100Cft.			Per Cum				Same remarks as against item 8-1(b) above.
	2 By Manual								
	a) i) 22 lbs. bitumen, and 2.5 Cft. bajri of nominal size 1/2" (13 mm) per %Sft. or 1.07 Kg bitumen and bajri 0.007 cu.m per sq.m.	100Sft.	197.60	2,630.65	Per Sqm	21.25	283.05		
	ii) 20 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per % Sft. or 0.79 Kg bitumen and 0.006 cu.metre bajri per sq.metre.	100Sft.	197.60	2,397.20	Per Sqm	21.25	257.95		
	b) Subsequent carriage of crushed stone aggregate/bajri.	100Cft.			Per Cum				Same remarks as against item 8-1(b) above.
10	a) Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density.	per inch thickness per 100Sft.			per 25mm thickness per Sq.m			6-6	
	i) 3% Bitumen	-do-	2,244.85	5,881.95	-do-	241.65	633.15		
	ii) 3.5% Bitumen	-do-	2,244.85	6,388.90	-do-	241.65	687.70		
	iii) 4% Bitumen	-do-	2,244.85	6,895.80	-do-	241.65	742.25		
	iv) 4.5% Bitumen	-do-	2,244.85	7,402.75	-do-	241.65	796.80		
	v) 5% Bitumen	-do-	2,244.85	7,909.35	-do-	241.65	851.35		
	vi) 5.5% Bitumen	-do-	2,244.85	8,416.60	-do-	241.65	905.95		
	vii) 6% Bitumen	-do-	2,244.85	8,923.55	-do-	241.65	960.50		
	b) Subsequent carriage of crushed stone aggregate/bajri.	100Cft.			cu.m				Same remarks as against item 8(c) above.
11	Scarifying old road surface including removal of debris within 1 chain (30 m).	100Sft.	627.00		Per Sqm	67.45	-		
12	Cold milling of asphalt layer/concrete surface of specified thickness, loading of debris onto haul trucks via conveyor system and disposal at appropriate place i/c the charges of self propelled milling machine of specified size, dumper, pump, water lorry, compressor and Tungsten Carbide Bits etc complete in all respect as approved by Engineer Incharge.							6-11	
	i) 0 ~ 1" thick	Per Sft	12.20	17.15	Per Sqm	131.15	184.25		
	ii) 0 ~ 2" thick	Per Sft	14.95	24.85	Per Sqm	160.95	267.05		
	iii) 0 ~ 3" thick	Per Sft	17.75	32.55	Per Sqm	190.80	350.00		
	iv) 0 ~ 4" thick	Per Sft	20.55	40.25	Per Sqm	220.60	432.90		
	Incidental Construction								
13	Providing R.C.C. railing on bridges, as per standard drawing.	Per Rft.	258.00	2,474.45	Metre	846.50	8,118.30	9-14	The rate includes cost of steel, its fabrication, laying in position and fastening, including cost of binding wire and removal of rust from the bars, etc.
14	Providing and fixing G.I. pipe railing, as per standard drawing.	Per Rft. of 3 rows of Pipes	274.65	2,426.30	Per Metre	901.05	7,960.35	9-14	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks	
		Unit	Labour	Composite	Unit	Labour	Composite			
15	Providing and fixing steel bearings of standard quality and type at site of work.	Each Set of one end	-	3,840.00	Each set of one end	-	3,840.00	8-12		
16	Providing and fixing rubber bearing pad at site of work.	Per Cu. Inch	-	50.40	Per Cum	-	3.10	8-12		
17	Providing and laying expansion joint of neoprime strip 4" x ¼" (100 mmx 6 mm) and plastic bitumen.	Per Rft.	237.60	500.20	Per Metre	779.55	1,641.05	8-13		
18	Providing and fixing rain water outlet of A.C. pipe.	Each	118.80	475.25	Each	118.80	475.25			
19	Providing and erection at site of work:- i) R.C.C. mile/Km. stone ii) R.C.C. furlong/½ Km. stone iii) R.C.C. boundary pillar. iv) Sign post of M.S. plate 1/8" thick (3 mm) a) Mandatory. b) Warning/Direction/Informatory.	Each Each Each Each Each	6,198.10 283.45 466.05 1,701.95 1,669.25	13,338.10 970.35 1,311.75 13,401.55 12,581.30	Each Each Each Each Each	6,198.10 283.45 466.05 1,701.95 1,669.25	13,338.10 970.35 1,311.75 13,401.55 12,581.30		The rate is for complete item of work according to Standard design including cement concrete foundation block and painting letters etc.	
20	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	100Cft.	8,382.35	31,328.75	Per Cum	2,960.65	11,065.30	5-5		The nominal thickness of bricks (9" x 4-3/8" x 2-11/16") shall be taken for the purpose of measurement and payment.
21	Providing and fixing metallic expansion Joints of 3/4" thick Aluminium Alloy strip of specified width duly bolted with check nuts @ 9" c/c with the MS lugs for specified movements as mentioned by the designer i/c the cost of polystrene joint fill but excluding the cost of Lugs complete in all respect as approved and directed by the Engineer Incharge.									
	a) Flat plate Type i) 25 mm to 50 mm ii) 40 mm to 80 mm iii) 50 mm to 100 mm b) Saw-tooth Type i) 25 mm to 50 mm ii) 40 mm to 80 mm iii) 50 mm to 100 mm c) Finger /Comb Plate Type i) 25 mm to 50 mm ii) 40 mm to 80 mm iii) 50 mm to 100 mm	Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	430.75 430.75 430.75 430.75 430.75 430.75 430.75 430.75 430.75	10,798.75 12,670.75 14,110.75 13,209.55 14,972.35 17,027.95 14,942.35 16,587.55 18,496.75	Per Metre Per Metre Per Metre Per Metre Per Metre Per Metre Per Metre Per Metre Per Metre	1,412.80 1,412.80 1,412.80 1,412.80 1,412.80 1,412.80 1,412.80 1,412.80 1,412.80	35,419.85 41,560.00 46,283.20 43,327.30 49,109.25 55,851.65 49,010.85 54,407.10 60,669.30			

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22	Providing and laying Elastomeric Neoprene Bearing Pads of specified grade, Specific gravity, hardness, elongation, min tensile strength of 2250 psi, and compressive strength of 2000 psi conforming to ASTM D2240 standard test method for rubber as approved and directed by the Engineer Incharge. I- Grade 50 (a) Plain (i) Without Anchorage (ii) With Anchorage (b) Laminated (i) Without Anchorage (ii) With Anchorage II- Grade 60 (a) Plain (i) Without Anchorage (ii) With Anchorage (b) Laminated (i) Without Anchorage (ii) With Anchorage III- Grade 70 (a) Plain (i) Without Anchorage (ii) With Anchorage (b) Laminated (i) Without Anchorage (ii) With Anchorage							8-12	
		Cu. Inch	-	62.40	Per Cum	-	3.80		
		Cu. Inch	-	64.80	Per Cum	-	3.95		
		Cu. Inch	-	63.60	Per Cum	-	3.90		
		Cu. Inch	-	66.00	Per Cum	-	4.05		
		Cu. Inch	-	64.80	Per Cum	-	3.95		
		Cu. Inch	-	70.80	Per Cum	-	4.30		
		Cu. Inch	-	66.00	Per Cum	-	4.05		
		Cu. Inch	-	72.00	Per Cum	-	4.40		
		Cu. Inch	-	69.60	Per Cum	-	4.25		
		Cu. Inch	-	72.00	Per Cum	-	4.40		
		Cu. Inch	-	70.80	Per Cum	-	4.30		
		Cu. Inch	-	74.40	Per Cum	-	4.55		
23	Providing and fixing M.S Grating comprising of Angle Iron frame size 1.50" x 1.50" x 3/16" and 1/2" square bars duly welded @ 4" c/c, including painting charges etc complete in all respect.	P.Sft	480.65	1,946.95	Per Sqm	5,171.60	20,949.00		
24	Providing and laying good quality / local sand cushion from approved source (compacted in layers not exceeding 6" thickness) by mechanized means including the cost of front end loader, vibratory roller and all lead and lifts, dressing, watering complete in all respect as approved and directed by the Engineer Incharge.	P.Cft	0.70	35.15	Per Cum	24.90	1,240.65		
ROAD SAFETY									
25	Providing, fabrication and fixing pole mounted Direction Board / road delineator of any shape and size, with specified Sheet and thickness, supported with G.I Channel, (excluding the cost of vertical post and painting) etc complete in all respect. (A) G.I Sheet 14 SWG i) CIRCULAR/TRIANGULAR a) 3-4 ft size ii) RECTANGULAR SHAPE (a) 12 -48 sft (b) 54 -120 sft							9-16	If 3 mm thick Aluminium sheet is used instead of G.I Sheet, following composite rates shall be added.
		P.Sft	127.10	1,052.10	Per Sqm	1,368.30	11,324.70		251.95 P.Sft or 2,711.95 P.Sqm
		P.Sft	159.65	957.85	Per Sqm	1,718.35	10,310.25		224.95 P.Sft or 2,421.25 P.Sqm
		P.Sft	95.90	860.90	Per Sqm	1,032.40	9,266.65		213.55 P.Sft or 2,298.95 P.Sqm

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK	
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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
26	Providing and fixing pole mounted reflecting mirror (Convex type) of 36 inch diameter of specified material, excluding the cost of vertical post, which will be paid extra etc complete in all respect. (a) Acrylic made (b) Stainless Steel	Each Each	94.05 94.05	24,574.05 20,974.05	Each Each	94.05 94.05	24,574.05 20,974.05	9-16	
27	Providing, fabrication and fixing Vertical Post comprising of medium quality G.I Pipe of specified diameter, including the cost of clamping arrangements, top cover, hold fasts, PCC 1:2:4 footing of specified depth and excavation etc complete in all respect, as approved and directed by the engineer incharge. (a) 2 inch diameter (footing 1.5'x1.5'x4') (b) 3 inch diameter (footing 1.5'x1.5'x5') (c) 4 inch diameter (footing 1.5'x1.5'x6') (d) 5 inch diameter (footing 1.5'x1.5'x6') (e) 6 inch diameter (footing 2.0'x2.0'x6') (f) 8 inch diameter (footing 2.5'x2.5'x6')	P.Rft P.Rft P.Rft P.Rft P.Rft P.Rft	132.40 156.60 180.85 180.85 293.90 435.15	1,345.65 1,947.25 2,579.35 3,314.55 4,094.55 5,769.10	Per Metre Per Metre Per Metre Per Metre Per Metre Per Metre	434.25 513.70 593.15 593.15 964.00 1,427.30	4,413.80 6,386.95 8,460.20 10,871.75 13,430.05 18,922.70		
28	Providing & fixing Cat Eyes of size 4" x 4" x 3/4" duly casted with specified material having plastic strip containing mini retro-reflective glass beads of color white/red/yellow having specifid reflections , quality & shape i/c the cost of self built in 12 mm dia x 120 mm long steel zinc plated nail,fixing to road with epoxy/ hammering with separate nail complete. a) Acrylic material (1) Dual-Directional (i) 19x2=38 Glass beads a side (ii) 31x2=62 Glass beads a side (iii) Micro Cube Corner Spark glow reflectors (2) Uni-Directional (i) 31 Glass beads a side (ii) 43 Glass beads a side b) Aluminium Alloy (1) Dual-Directional (i) 31x2=42 Glass beads a side (ii) 43x2=86 Glass beads a side (iii) Micro Cube Corner Spark glow reflectors (2) Uni-Directional (i) 31 Glass beads a side (ii) 43 Glass beads a side	Each 							

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
30	Providing and Fixing L-type Barrier delineator of specified material of Size 150 x 100mm i/c the cost of hardware, reflective tape etc complete in all respect.								
	(a) Acrylic made	Each	94.05	667.65	Each	94.05	667.65		
	(b) Alluminium (3mm thick)	Each	94.05	822.45	Each	94.05	822.45		
31	Providing and fixing 3" dia G.I Pipe Delineator 3' long with HIP reflective tape (Red & White), duly embedded in P.C.C (1:2:4) etc complete in all respect.	Each	129.20	6,701.50	Each	129.20	6,701.50		
32	Providing of Portable Cautionary Plastic Barriers 6.50' Long & 2.50' high of approved shape & design etc complete in all respect.	Each	-	18,288.00	Each	-	18,288.00		
33	Providing of Cautionary Portable Traffic safety Cones made of Plastic polymer of approved shape, colour, size & design having wide squar/hexagonal base provided with reflective sleeve having arrangement for plastic chain etc complete in all respect.								
	a) 18" high, Bottom dia 13" & Top dia 2-1/2"	Each	-	777.60	Each	-	777.60		
	b) 28" high, Bottom dia 13-3/4" & Top dia 2-1/2"	Each	-	933.60	Each	-	933.60		
	c) 36" high, Bottom dia 15" & Top dia 2-1/2"	Each	-	1,244.40	Each	-	1,244.40		
34	Providing and fixing PLASTIC BODY Reflective cautionary flexible spring post of specified height with reflective strips at the top for fixing to road with bolts etc complete in all respect.								
	i) 300 mm high	Each	94.05	871.65	Each	94.05	871.65		
	ii) 600 mm high	Each	94.05	910.05	Each	94.05	910.05		
	iii) 700 mm high	Each	94.05	1,027.65	Each	94.05	1,027.65		
	iv) 750 mm high	Each	94.05	1,182.45	Each	94.05	1,182.45		
35	Providing & Fixing W-Beam Guard Rail made of 1/8" thick galvanized sheet, fixed on vertical posts of galvanized channel of (13.40 Kg P.Meter) @ 6.25 ft c/c duly embedded in P.C.C (1:2:4) of specified depth i/c the cost of hardware, Reflectors, boxing glove end, fish tail end and double face reflectors etc complete in all respect.								
	i) Single Face	P.Rft	1,451.80	5,174.65	Per Metre	4,761.85	16,972.95		
	ii) Double Face	P.Rft	1,879.10	6,725.25	Per Metre	6,163.40	22,058.80		
36	Providing and fixing Uni/Dual/Tri directional reflective extreme end road berm Vertical indicator made of plastic body of size 100x75x110 mm having ultra -violet resistant colors (white/yellow/red) with high intensity reflectors provided with additional 31 mini-glass reflectors to a side imbeded in plastic strip base duly fixed with a steel rectangular tube i/c the cost of hardware as approved and directed by the Engineer Incharge.	Each	94.05	1,260.45	Each	94.05	1,260.45		
37	Providing and fixing Uni/Dual directional reflective extreme end road berm indicator made of plastic body of size 80x50x16 mm having ultra -violet resistant colors (white/yellow/red) with high intensity reflectors duly fixed on road egde Kerb with a hardened steel nail as approved and directed by the Engineer Incharge.	Each	94.05	715.65	Each	94.05	715.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
ROAD FURNITURE									
38	Providing and fixing Cantilever Gantry of specified leaf made of 3 mm thick GI sheet (Z-275) of size 4000x2400x3mm supported with a frame of MS angle iron frame of size 40x40x5mm all around the sheet with 3 No vertical and one no horizontal braces of MS tees of size 40x40x5 mm duly supported on a truss of 2 no chords of MS pipes 273x7 mmx9.27 mtr and 3 no struts of MS pipe of size 143x4.5mmx3.098 mtr duly bolted with a post of MS pipe of size 7500x457.5x 12.7 mm thick duly welded with Base plate of 850x850x36 mm with MS stiffners of 18 mm thick MS sheet and fixed with anchor bolts in prelaid RCC footing i/c the cost of polyurethane Paint to MS skeleton but excluding the cost of lettering/printing as approved and directed by the Engineer Incharge.							9-16	i) For GI sheet fascia on both sides, increase the following rates: Labour Rate Composite Rate 2.25 P.Sft 341.45 P.Sft ii) Area of Portal (one side) will be taken for payment. iii) If 3 mm thick Aluminium sheet is used following composite rates shall be decreased: 338.05 P.Sft or 3637.20 P.Sqm
	i) Single Leaf	P.Sft	173.70	7,299.55	Per Sqm	1,868.75	78,543.10		
	ii) Double Leaf	P.Sft	107.15	5,276.75	Per Sqm	1,152.75	56,777.55		
39	Providing and fixing full width/ Portal Gantry comprising of 3 mm thick GI sheet (Z-275) fixed over double front and back truss made with Top & bottom chords of MS angle iron L-100x100x10 mm, webs and struts of L-65x65x8 mm welded with top and bottom truss of webs and struts of 65x65x8 mm duly supported on specified vertical posts of double columns of MS pipe of size 7500x219x8 mm thick duly welded with Base plate of 600x400x50 mm with MS stiffners of 350x150x15 mm thick MS sheet for each column fixed in prelaid RCC footing i/c the cost of polyurethane Paint to MS skeleton but excluding the cost of lettering/printing as approved and directed by the Engineer Incharge.							9-16	i) For GI sheet fascia on both sides, increase the following rates: Labour Rate Composite Rate 2.00 P.Sft 340.65 P.Sft ii) Area of Portal (one side) will be taken for payment. iii) If 3 mm thick Aluminium sheet is used, decrease the following composite rates: 338.05 P.Sft or 3637.20 P.Sqm
	a) Two Supports								
	i. Two Lane	P.Sft	61.75	4,083.65	Per Sqm	664.45	43,940.00		
	ii. Three Lane	P.Sft	51.30	3,790.15	Per Sqm	552.25	40,782.10		
	b) Three Supports								
	i. Three Lane each	P.Sft	37.00	3,622.45	Per Sqm	398.15	38,977.55		
40	Providing and fixing full width/ Portal Gantry comprising of 3 mm thick GI sheet (Z-275) fixed over MS double front and back truss made with Top & bottom chords of L-100x100x10 mm, webs and struts of L-65x65x8 mm welded with top and bottom truss of webs and struts of 65x65x8 mm duly supported on specified vertical posts of double columns MS pipe of size 7500x457x12.5 mm thick duly welded with Base plate of 600x400x50 mm with MS stiffners of 350x150x15 mm MS sheet for each column fixed in prelaid RCC footing i/c the cost of polyurethane Paint to MS skeleton but excluding the cost of lettering/printing as approved and directed by the Engineer Incharge.							9-16	i) For GI sheet fascia on both sides, increase the following rates: Labour Rate Composite Rate 2.10 P.Sft 340.70 P.Sft ii) Area of Portal (one side) will be taken for payment. iii) If 3 mm thick Aluminium sheet is used, decreased the following rates: 338.05 P.Sft or 3637.20 P.Sqm
	a) Two Supports								
	i. Four Lane	P.Sft	47.20	3,397.10	Per Sqm	507.80	36,552.70		
	ii. Five Lane	P.Sft	44.25	3,143.35	Per Sqm	476.15	33,822.55		
	b) Three Supports								
	i) Four Lane Each	P.Sft	33.00	3,233.75	Per Sqm	355.20	34,795.05		

CHAPTER NO.19 (PLUMBING, SANITARY INSTALLATION & GAS FITTINGS)

- 1 Rates for all finished works include the removal of surplus debris, unused material & by products.
- 2 The material used shall conform to Schedule of Rates, Vol. I, Part I, (Specifications for Materials of Construction, 1964, and the work will be executed according to Buildings & Roads Department Specifications, Vol II, 1966 (Public Health Works).
- 3 The rates include cutting and making good of the surface of walls, roof, floor, etc. where necessary.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:-								
	i) white	Each	1,188.00	16,726.05	Each	1,188.00	16,726.05		
	iii) coloured	Each	1,188.00	20,326.05	Each	1,188.00	20,326.05		
2	Providing and fixing, double seat and cover only.								
	i) bakelite	Each	12.40	1,992.40	Each	12.40	1,992.40		
	ii) plastic	Each	12.40	912.40	Each	12.40	912.40		
3	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) or approved equivalent manufacturer i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	2,128.50	58,432.50	Each	2,128.50	58,432.50		
4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.								
	i) white	Each	829.15	4,104.90	Each	829.15	4,104.90		
	ii) coloured	Each	829.15	4,704.90	Each	829.15	4,704.90		
5	Providing and fitting white glazed earthen ware water closet, squatter type, with separate foot rest.	Each	829.15	9,673.15	Each	829.15	9,673.15		
6	Providing and fitting water closet, squatter type of terrazzo concrete.	Each	829.15	1,794.90	Each	829.15	1,794.90		
7	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.								
	i) white, with pedestal	Each	1,064.25	11,264.25	Each	1,064.25	11,264.25		
	ii) coloured, with pedestal	Each	1,064.25	10,664.25	Each	1,064.25	10,664.25		
	iii) white, without pedestal	Each	946.70	11,746.70	Each	946.70	11,746.70		
	iv) coloured, without pedestal	Each	946.70	9,946.70	Each	946.70	9,946.70		
	v) Under Counter Vanity Basin	Each	1,064.25	11,864.25	Each	1,064.25	11,864.25		
8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	Each	946.70	15,208.80	Each	946.70	15,208.80		
9	Providing and fitting terrazzo concrete sink 60x45 cm (24"x18") with drain board of mosaic, including bracket set, waste pipe and waste coupling.	Each	946.70	4,123.95	Each	946.70	4,123.95		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10	Providing and fixing glazed earthen ware sink, including bracket set, waste pipe and waste coupling:- i) 60x45 cm (24"x18") ii) 37.5x45 cm (15"x18")	Each Each	946.70 946.70	5,987.05 5,747.05	Each Each	946.70 946.70	5,987.05 5,747.05		
11	Providing and fixing glazed earthen ware flat back urinal.	Each	594.00	2,670.00	Each	594.00	2,670.00		
12	Providing and fitting glazed earthen ware low down flushing cistern 13.63 litres (3 gallons) capacity, including bracket set, copper connection, etc. i) white ii) coloured	Each Each	946.70 946.70	8,068.65 8,488.65	Each Each	946.70 946.70	8,068.65 8,488.65		
13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white ii) coloured	Each Each	946.70 946.70	5,588.65 5,788.65	Each Each	946.70 946.70	5,588.65 5,788.65		If plastic rubber connection is used, the composite rate (i&ii) shall be reduced by Rs: 240.00 Each
14	Providing and fixing white enameled cast iron low down flushing cistern 13.63 litres (3 gallons) capacity, including bracket set, copper connection, etc.	Each	946.70	4,792.45	Each	946.70	4,792.45		
15	Providing and fixing cast iron high level flushing cistern including cost of bracket set, copper connection, etc. i) 13.63 litres (3 gallons) capacity ii) 4.55 litres (1 gallon) capacity	Each Each	1,006.10 1,006.10	10,827.85 4,401.85	Each Each	1,006.10 1,006.10	10,827.85 4,401.85		
16	Providing and fixing, chromium plated soap dish.	Each	59.40	936.10	Each	59.40	936.10		
17	Providing and fitting, glazed earthen ware soap dish. i) white ii) coloured	Each Each	59.40 59.40	633.90 711.00	Each Each	59.40 59.40	633.90 711.00		
18	Providing and fixing, chromium plated toilet paper holder.	Each	79.20	1,198.85	Each	79.20	1,198.85		
19	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia. ii) 50 cm (20") long, and 1.5 cm (½") dia.	Each Each	79.20 79.20	1,252.55 1,109.05	Each Each	79.20 79.20	1,252.55 1,109.05		
20	Providing and fixing looking glass 55x40 cm (22"x16") size, and minimum 5 mm thick, first quality.	Each	148.50	1,457.70	Each	148.50	1,457.70		
21	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass:- i) with chromium plated brackets and railing. ii) glass shelf only, without chromium plated brackets and railing.	Each Each	185.65 118.80	1,651.60 805.20	Each Each	185.65 118.80	1,651.60 805.20		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22	Providing and fitting glazed earthen ware shelf 60x13 cm (24"x5"), with chromium plated bracket and railing:- i) white ii) coloured	Each Each	185.65 185.65	2,388.90 2,628.90	Each Each	185.65 185.65	2,388.90 2,628.90		
23	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	Each Each Each Each Each Each Each	150.00 150.00 150.00 150.00 150.00 150.00 150.00	1,380.00 1,035.00 1,610.00 1,035.00 1,035.00 1,955.00 690.00	Each Each Each Each Each Each Each	150.00 150.00 150.00 150.00 150.00 150.00 150.00	1,380.00 1,035.00 1,610.00 1,035.00 1,035.00 1,955.00 690.00		
24	Providing and fixing chromium plated pillar-cock, heavy:- i) 2 cm (¾") ii) 1.5 cm (½")	Each Each	79.20 79.20	3,511.20 3,199.20	Each Each	79.20 79.20	3,511.20 3,199.20		
25	Providing and fixing chromium plated stop cock, heavy:- i) 2 cm (¾") ii) 1.5 cm (½")	Each Each	79.20 79.20	1,999.20 1,639.20	Each Each	79.20 79.20	1,999.20 1,639.20		
26	Providing and fixing underground stop cock 13 mm (½"), with chromium plated cover.	Each	114.70	1,885.50	Each	114.70	1,885.50		
27	Providing and fixing chromium plated bib cock:- i) 2 cm (¾") ii) 1.5 cm (½")	Each Each	79.20 79.20	1,879.20 1,639.20	Each Each	79.20 79.20	1,879.20 1,639.20		
28	Providing and fixing chromium plated tee stop cock 15mm (½").	Each	79.20	1,999.20	Each	79.20	1,999.20		
29	Providing and fixing chromium plated shower rose:- i) 1.5x10 cm (½"x4") ii) 2x15 cm (¾"x6")	Each Each	79.20 79.20	1,339.20 2,719.20	Each Each	79.20 79.20	1,339.20 2,719.20		
30	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	Each	99.00	3,843.00	Each	99.00	3,843.00		
31	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia ii) 40 mm(1½") dia iii) 50 mm(2") dia iv) 65 mm(2½") dia v) 80 mm(3") dia	Each Each Each Each Each	118.80 118.80 118.80 118.80 118.80	6,420.00 9,039.60 14,230.80 28,678.80 34,726.80	Each Each Each Each Each	118.80 118.80 118.80 118.80 118.80	6,420.00 9,039.60 14,230.80 28,678.80 34,726.80		For brass peet/gate valve (screwed), composite rates will be reduced of following: 90.00 Each 120.00 Each 180.00 Each 360.00 Each 480.00 Each

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
32	Providing and fitting, chromium plated or brass oxidised, swan neck cock 15 mm (½") dia.								
	i) single way	Each	79.20	859.20	Each	79.20	859.20		
	ii) two way	Each	118.80	1,678.80	Each	118.80	1,678.80		
	iii) three way	Each	158.40	2,006.40	Each	158.40	2,006.40		
33	Providing and fixing, union brass cock.								
	i) 13 mm (½") dia	Each	79.20	787.20	Each	79.20	787.20		
	ii) 20 mm (¾") dia	Each	79.20	919.20	Each	79.20	919.20		
34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-								
	i) 10x5 cm (4"x2")	Each	237.60	986.05	Each	237.60	986.05		
	ii) 10x7.5 cm (4"x3")	Each	237.60	1,190.05	Each	237.60	1,190.05		
35	Providing and fitting "P" trap:-								
	i) 10 cm (4") of cast iron.	Each	198.00	1,320.85	Each	198.00	1,320.85		
	ii) 10 cm (4") glazed.	Each	198.00	462.85	Each	198.00	462.85		
36	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	Each	297.00	1,622.85	Each	297.00	1,622.85		
37	Providing and fitting, cast iron soil pipe with:-								
	a) lead caulked, yarn joint:-								
	i) 10 cm (4") i/d	Per foot	93.55	455.20	Per Meter	306.90	1,493.10		
	ii) 5 cm (2") i/d	Per foot	37.45	216.05	Per Meter	122.75	708.60		
	b) cement caulked joint:-								
	i) 10 cm (4") i/d	Per foot	21.70	258.30	Per Meter	71.15	847.25		
	ii) 5 cm (2") i/d	Per foot	8.70	168.15	Per Meter	28.45	551.50		
38	Providing and fitting, A.C. soil pipe with cement caulked joint, including all specials:-								
	i) 60 (2¼") mm i/d	Per foot	17.35	123.25	Per Meter	56.95	404.30		
	ii) 80 (3") mm i/d	Per foot	19.30	185.55	Per Meter	63.25	608.65		
	iii) 100 (4") mm i/d	Per foot	21.70	227.95	Per Meter	71.15	747.60		
	iv) 150 (6") mm i/d	Per foot	28.95	328.65	Per Meter	94.90	1,077.95		
39	Providing and fitting cast iron specials, such as tee bend, collar, cross, etc. plain type:-								
	i) lead caulked joint	Kg	77.20	533.80	Kg	77.20	533.80		In case of plug type, the composite rate shall be increased by : 4.80 P.Kg 4.80 P.Kg
	ii) cement caulked joint	Kg	47.30	404.30	Kg	47.30	404.30		
40	Supply and fitting of cast iron manhole cover square / circular with frame, etc. complete.								
	i) 30 cm (12")	Each	118.80	2,278.80	Each	118.80	2,278.80		
	ii) 45 cm (18")	Each	118.80	3,238.80	Each	118.80	3,238.80		
	iii) 60 cm (24")	Each	189.75	5,589.75	Each	189.75	5,589.75		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
41	Providing and fitting R.C.C. pipe 10 cm (4") dia, including laying and jointing in trenches.	Per foot	46.80	214.80	Per Meter	153.45	704.50		
42	Providing and fitting chromium plated or oxidised, gas cock 6mm (¼"):-								
	i) single way	Each	79.20	715.20	Each	79.20	715.20		
	ii) two way	Each	118.80	898.80	Each	118.80	898.80		
	iii) three way	Each	158.40	1,226.40	Each	158.40	1,226.40		
43	Providing and fitting nipple or bush, 6 mm to 10 mm (¼" to 3/8") i/d.	Each	59.40	142.20	Each	59.40	142.20		
44	Providing and fixing, brass gas cock:-								
	a) 15 mm (½") dia	Each	12.40	708.40	Each	12.40	708.40		
	b) 20 mm (¾") dia	Each	450.00	972.40	Each	450.00	972.40		
45	Providing and fixing brass stop cock/bib cock:-								
	a) 15 mm (½") dia	Each	19.80	991.80	Each	19.80	991.80		
	b) 20 mm (¾") dia	Each	19.80	1,279.80	Each	19.80	1,279.80		
46	Hoisting and placing in position, precast R.C. latrine seats.	Each	1,188.00	-	Each	1,188.00	-		
47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ SWV pipe, Dadex / Popular / Beta or approved equivalent manufacturer, plain / Bell Ended / Z - Joints conforming to BS 4514 / BS 5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specifications and / or as approved and directed by the Engineer Incharge.								
	(i) 32mm	Per Rft	10.65	85.35	Per Meter	34.90	279.95		
	(ii) 40mm	Per Rft	10.65	99.10	Per Meter	34.90	325.10		
	(iii) 50mm	Per Rft	10.65	107.85	Per Meter	34.90	353.70		
	(iv) 82mm	Per Rft	10.65	167.80	Per Meter	34.90	550.45		
	(v) 110 mm	Per Rft	10.65	267.00	Per Meter	34.90	875.70		
	(vi) 160 mm	Per Rft	10.65	519.90	Per Meter	34.90	1,705.20		
	(vii) 200 mm	Per Rft	10.65	554.05	Per Meter	34.90	1,817.25		
48	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) sewerage pipe make of Dadex /Popular/Beta or approved equivalent manufacturer, plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.								
	Type (SDR 34/SN-8)								
	i) 6" dia 150mm	Per Rft	10.65	1,030.40	Per Meter	34.90	3,379.70		
	ii) 8" dia 200 mm	Per Rft	12.75	1,562.75	Per Meter	41.90	5,125.80		
	iii) 10" dia 250 mm	Per Rft	14.90	2,409.10	Per Meter	48.85	7,901.80		
	iv) 12" dia 300 mm	Per Rft	17.05	3,861.90	Per Meter	55.85	12,667.05		
	v) 14" dia 350 mm	Per Rft	19.15	4,826.25	Per Meter	62.85	15,830.15		
	vi) 16" dia 400 mm	Per Rft	21.30	7,912.60	Per Meter	69.80	25,953.25		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
49	Providing, fixing, testing and commissioning of u-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of Dadex /Popular/Beta or approved equivalent manufacturer, conforming to BS 4514 / BS 5255 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.								
	a) P-Trap								
	(i) 4" dia	Each	118.80	1,138.50	Each	118.80	1,138.50		
	(ii) 3" dia	Each	118.80	848.10	Each	118.80	848.10		
	b) Multi-Trap								
	(i) 4" dia	Each	118.80	1,346.10	Each	118.80	1,346.10		
	(ii) 3" dia	Each	118.80	986.10	Each	118.80	986.10		
	c) Vent Cowel								
	(i) 4" dia	Each	118.80	387.30	Each	118.80	387.30		
	(ii) 3" dia	Each	118.80	335.70	Each	118.80	335.70		
	(iii) 2" dia	Each	118.80	297.30	Each	118.80	297.30		
	d) Clean Out								
	(i) 4" dia	Each	118.80	702.90	Each	118.80	702.90		
	(ii) 3" dia	Each	118.80	548.10	Each	118.80	548.10		
50	Providing, laying, testing and commissioning underground Yellow Medium Density Polyethelene (MDPE) gas pipe tubing of required IPS (Iron Pipe Size) in the trenches , made of Dadex/ Popular / Beta or approved equivalent manufacturer, for Gas supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.								
	SDR-11								
	(i) 3/4"	Per Rft	10.65	91.90	Per Meter	34.90	301.50		
	(ii) 1"	Per Rft	10.65	145.15	Per Meter	34.90	476.00		
	(iii) 1-1/4"	Per Rft	10.65	204.40	Per Meter	34.90	670.45		
	(iv) 1-1/2"	Per Rft	10.65	242.60	Per Meter	34.90	795.65		
	(v) 2"	Per Rft	10.65	356.20	Per Meter	34.90	1,168.40		
51	Providing and hoisting vertical/ horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	Per Gallon	8.50	117.30	Per Ltr.	2.25	31.00		
52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal or approved equivalent manufacturer, comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.								
	(i) 3 No Tee Stop Cock (set)	Each	425.70	2,225.70	Each	425.70	2,225.70		
	(ii) Lever Type Basin Mixer	Each	425.70	6,665.70	Each	425.70	6,665.70		
	(iii) Double Bib Cock	Each	425.70	1,865.70	Each	425.70	1,865.70		
	(iv) Open Type Wall Shower	Each	425.70	18,665.70	Each	425.70	18,665.70		
	(v) Muslim shower	Each	425.70	2,345.70	Each	425.70	2,345.70		
	(vi) Waste Coupling	Each	425.70	725.70	Each	425.70	725.70		
	(vii) Bottle Trap	Each	425.70	1,445.70	Each	425.70	1,445.70		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
53	Providing/fixing Gas water heater (Geyser) of specified capacity, comprising of water tank made of 14 SWG steel sheet and cover with 20 SWG MS sheet, best quality make of Corona/Ambassador / Super Asia/Canon or approved equivalent manufacturer i/c the cost of non return valve, imported thermostat, G.I. accessories, safety valve and making connection with existing water supply pipe line complete in all respects as approved and directed by the Engineer Incharge.								
	(i) 35 Gallons	Each	3,069.00	61,258.75	Each	3,069.00	61,258.75		
	(ii) 50 Gallons	Each	3,069.00	73,258.75	Each	3,069.00	73,258.75		
	(iii) 55 Gallons	Each	3,069.00	85,258.75	Each	3,069.00	85,258.75		
54	Supply & Fixing gas room heater of required plates of approved quality made by Crona /Ambassador/Canon or approved equivalent manufacturer i/c cost of fittings & pipe etc. complete in all respect as directed and approved by the Engineer Incharge.								
	(i) Single plate	Each	1,064.25	5,798.25	Each	1,064.25	5,798.25		
	(i) Double plate	Each	1,064.25	11,636.25	Each	1,064.25	11,636.25		
55	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) or approved equivalent manufacturer i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.								
	(i) 06 Gallon	Each	1,064.25	20,864.25	Each	1,064.25	20,864.25		
	(ii) 08 Gallon	Each	1,064.25	24,884.25	Each	1,064.25	24,884.25		
	(iii) 15 Gal capacity	Each	2,128.50	36,928.50	Each	2,128.50	36,928.50		
	(iv) 20 Gal capacity	Each	2,128.50	38,926.50	Each	2,128.50	38,926.50		
56	Supply & Installation of Duel (Electric and Gas Water Heaters) with factory-installed pressure relief valve, adjustable water temperature control thermostat, Copper connections for specific capacity having leaving water temperature 140 deg F & working pressure 15 PSI, Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and /or directed by Engineer Incharge.								
	(i) 35 Gallon Capacity	Each	2,161.50	81,723.00	Each	2,161.50	81,723.00		
	(ii) 55 Gallon Capacity	Each	2,161.50	86,041.50	Each	2,161.50	86,041.50		
57	Supply & Installation of Instant Electric Water Heaters with Imported Heating Element, Multiple Safety Systems, Overheat Protection, Protection Against Electric Shock: Class I, Rated Pressure: 0.8 MPa, Rated Frequency: 50Hz, Rated Voltage: 220-240, Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and /or directed by Engineer Incharge.								
	(i) 06 Litre/min	Each	1,064.25	26,144.25	Each	1,064.25	26,144.25		
	(ii) 08 Litre/min	Each	1,064.25	29,264.25	Each	1,064.25	29,264.25		
	(ii) 10 Litre/min	Each	1,064.25	31,064.25	Each	1,064.25	31,064.25		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	Replacement items								
1	Providing and fixing, chromium plated waste coupling:-								
	i) 3 cm (1¼")	Each	118.80	508.80	Each	118.80	508.80		
	ii) 4 cm (1½")	Each	118.80	568.80	Each	118.80	568.80		
2	Providing and fixing rubber plug with chain:-								
	i) 3 cm (1¼")	Each	4.75	214.75	Each	4.75	214.75		
	ii) 4 cm (1½")	Each	4.75	226.75	Each	4.75	226.75		
3	Providing and fixing, waste pipe of PVC:-								
	i) 3 cm (1¼")	Each	59.40	359.40	Each	59.40	359.40		
	ii) 4 cm (1½")	Each	59.40	359.40	Each	59.40	359.40		
4	Providing and fixing, flushing bend.								
	i) 3 cm (1¼") PVC	Each	52.80	364.80	Each	52.80	364.80		
	ii) 4 cm (1½") PVC	Each	52.80	388.80	Each	52.80	388.80		
	iii) 3 cm (1¼") CP	Each	52.80	1,492.80	Each	52.80	1,492.80		
	iv) 4 cm (1½") CP	Each	52.80	1,852.80	Each	52.80	1,852.80		
5	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete:-								
	i) 3 cm (1¼")	Each	118.80	1,678.80	Each	118.80	1,678.80		
	ii) 4 cm (1½")	Each	118.80	1,798.80	Each	118.80	1,798.80		
6	Providing and fixing, angle iron brackets for:-								
	i) wash hand basin and cistern	Each	118.80	1,486.80	Each	118.80	1,486.80		
	ii) sinks	Each	118.80	1,486.80	Each	118.80	1,486.80		
7	Providing and fixing 1.5 cm (½") dia connection, including check nuts, etc.:-								
	i) plastic rubber connection	Each	47.50	383.50	Each	47.50	383.50		
	ii) copper connection	Each	47.50	707.50	Each	47.50	707.50		
8	Providing and fixing brass ball float valve:-								
	i) 1.5 cm (½") dia	Each	99.00	795.00	Each	99.00	795.00		
	ii) 32.0 cm (¾") dia	Each	99.00	1,059.00	Each	99.00	1,059.00		
	iii) 2.5 cm (1") dia	Each	99.00	1,479.00	Each	99.00	1,479.00		
	iv) 3 cm (1¼") dia	Each	99.00	1,599.00	Each	99.00	1,599.00		
	v) 4.0 cm (1½") dia	Each	99.00	1,839.00	Each	99.00	1,839.00		
	vi) 5 cm (2") dia	Each	99.00	2,019.00	Each	99.00	2,019.00		
9	Supply and fixing of Soap Dispenser including all other cost of required fittings & required accessories complete in all respect as approved & directed by the Engineer incharge.								
	i) uPVC	Each	266.05	2,853.55	Each	266.05	2,853.55		
	ii) Stainless steel	Each	266.05	4,203.55	Each	266.05	4,203.55		
10	Providing/fixing U-shape 1-1/4" dia Stainless Steel Grab bar of 14 SWG thickness and specified length for safety grip i/c the cost of Stainless Steel brackets, rawal plugs and hardware as approved and directed by Engineer Incharge.								
	i) 15" long	Each	212.85	3,020.85	Each	212.85	3,020.85		
	i) 18" long	Each	212.85	3,740.85	Each	212.85	3,740.85		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
11	Providing and fixing of wall hung Box Type Toilet Tissue Holder for Vanities from approved manufacturers i/c cost of required fittings & required accessories as approved and directed by Engineer Incharge. i) uPVC ii) Stainless steel	Each Each	171.70 171.70	1,060.45 1,577.95	Each Each	171.70 171.70	1,060.45 1,577.95		
12	Providing and Fixing of SS 304 Floor Drain, complete in all respect as approved and directed by Engineer Incharge. i) 4" dia ii) 6" dia	Each Each	273.27 300.60	1,398.25 1,425.60	Each Each	273.27 300.60	1,398.25 1,425.60		
13	Providing and Fixing of SS 304 Roof / scupper Drain, complete in all respect as approved and directed by Engineer Incharge. i) 4" dia ii) 6" dia	Each Each	300.60 375.75	1,425.60 1,500.75	Each Each	300.60 375.75	1,425.60 1,500.75		
14	Providing and fixing of Hose Bibs with gate valve, i/c cost of required fittings & accessories as approved and directed by Engineer Incharge. i) 1/2" dia ii) 3/4" dia	Each Each	221.15 258.00	1,908.65 2,283.00	Each Each	221.15 258.00	1,908.65 2,283.00		



CHAPTER NO.20 (SURFACE DRAINAGE)

1. Specification No. correspond to Book of Specification (B & R Department) Vol. II, 1966 (public Health Works).
2. Rates for all finished works include the removal of surplus debris, unused material and by products.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK	
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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Tega formed of pacca bricks on end, laid in and over cement sand mortar projecting to a height of not more than 6" (150 mm) top of drain along the property side where required, laid to lines, grades, slopes and shape according to the Engineer's drawing:- a) 3" thick (75 mm) i) ratio 1:3 ii) ratio 1:5 B) 4½" thick (113 mm) i) ratio 1:3 ii) ratio 1:5	100Rft 100Rft 100Rft 100Rft	3,158.50 3,158.50 4,735.85 4,735.85	8,947.55 8,454.10 13,030.50 12,284.70	Per Metre Per Metre Per Metre Per Metre	103.60 103.60 155.35 155.35	293.50 277.30 427.40 402.95	17.1	
2	Pacca flat brick 3" (75 mm) 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:- a) ratio 1:3 b) ratio 1:5 c) ratio 1:6	100Sft. 100Sft. 100Sft.	4,659.80 4,659.80 4,659.80	12,829.55 12,039.80 11,817.70	Per Sqm Per Sqm Per Sqm	501.40 501.40 501.40	1,380.45 1,295.50 1,271.60	17.1	
3	Pacca brick on edge, laid in reimbursement, in cement, sand mortar, on sides of drains and on other works where required. All joints to be completely filled and struck flush:- a) ratio 1:3 b) ratio 1:5 c) ratio 1:6	100Sft. 100Sft. 100Sft.	6,621.10 6,621.10 6,621.10	18,961.40 17,695.00 17,379.75	Per Sqm Per Sqm Per Sqm	712.45 712.45 712.45	2,040.25 1,904.00 1,870.05	17.1	
4	Pacca flat brick, Herring bond pitching in cement, sand mortar, laid to lines, grades, shapes and slopes as per Engineer's drawing:- a) ratio 1:3 b) ratio 1:5 c) ratio 1:6	100Sft. 100Sft. 100Sft.	4,443.10 4,443.10 4,443.10	12,612.85 11,823.10 11,601.00	Per Sqm Per Sqm Per Sqm	478.10 478.10 478.10	1,357.15 1,272.15 1,248.25	17.2	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
5	Pacca brick on edge, Herring bond pitching in cement, sand mortar, laid to lines, grades, shapes and slopes as per Engineer's drawing:-							17.2	
	a) ratio 1:3	100Sft.	6,874.55	19,214.80	Per Sqm	739.70	2,067.50		
	b) ratio 1:5	100Sft.	6,874.55	17,948.45	Per Sqm	739.70	1,931.25		
	c) ratio 1:6	100Sft.	6,874.55	17,633.20	Per Sqm	739.70	1,897.35		
6	Constructing Punjab Standard Drains. of cement concrete 1:2 ½ :5, with cement concrete bedding ratio 1:6:12, complete, laid to lines, grades, slopes and shapes, rendering exposed surface of concrete with 1:1 cement, sand mortar, ¼" (6 mm) thick, as per Engineer's drawing (excluding excavation):-							17.1	
	a) Type I	Per Rft	106.35	244.20	Per Metre	348.75	800.90		
	b) Type II	Per Rft	212.65	469.70	Per Metre	697.50	1,540.65		
	c) Type III	Per Rft	278.15	613.45	Per Metre	912.35	2,012.10		
	d) Type IV	Per Rft	331.50	732.95	Per Metre	1,087.25	2,404.05		
	e) Type V	Per Rft	437.80	998.25	Per Metre	1,436.05	3,274.20		
	f) Type VI	Per Rft	503.60	1,146.55	Per Metre	1,651.85	3,760.65		
	g) Type VII	Per Rft	558.20	1,266.65	Per Metre	1,830.90	4,154.55		
	h) Type VIII	Per Rft	623.45	1,427.45	Per Metre	2,044.90	4,681.95		
	i) Type IX	Per Rft	835.05	1,995.00	Per Metre	2,739.05	6,543.65		
	j) Type X	Per Rft	917.20	2,188.00	Per Metre	3,008.40	7,176.60		
	k) Type XI	Per Rft	1,024.90	2,433.55	Per Metre	3,361.65	7,982.10		
	l) Type XII	Per Rft	1,092.60	2,586.40	Per Metre	3,583.70	8,483.40		
7	Laying R.C.C hume pipes in position, including jointing:-								
	a) 6" to 12" (150 mm to 300 mm) dia	Per Rft	198.00	206.85	Per Metre	649.45	678.45		
	b) 12" to 24" (300 mm to 600 mm) dia	Per Rft	310.85	328.55	Per Metre	1,019.60	1,077.65		
	c) 24" to 36" (600 mm to 900 mm) dia	Per Rft	396.00	422.65	Per Metre	1,298.90	1,386.25		

CHAPTER NO.21 (SEWERAGE)

- 1 Specification No. correspond to Book of Specification of B&R Department Vol. II, 1966 (Public Health Works).
- 2 Rate for all finished works include the removal of surplus debris, unused material and byproducts.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.							Chapter - 8	
	i) 100 mm (4") i/d	Per Rft.	55.25	196.00	Per Meter	181.20	642.90		
	ii) 150 mm (6") i/d	Per Rft.	67.05	287.65	Per Meter	219.90	943.50		
	iii) 225 mm (9") i/d	Per Rft.	127.80	595.50	Per Meter	419.20	1,953.25		
2	Providing and laying non-reinforced concrete pipe, moulded with cement concrete 1:1½:3, 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.							ditto	
	i) 100 mm (4") i/d	Per Rft.	40.45	112.25	Per Meter	132.70	368.20		
	ii) 150 mm (6") i/d	Per Rft.	48.80	147.60	Per Meter	160.05	484.15		
	iii) 200 mm (8") i/d	Per Rft.	77.95	202.45	Per Meter	255.70	664.05		
	iv) 225 mm (9") i/d wall thickness 1 inch (25 mm)	Per Rft.	82.80	234.80	Per Meter	271.60	770.15		
	v) 250 mm (10") i/d	Per Rft.	83.90	258.30	Per Meter	275.20	847.20		
3	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 4000 psi conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete.							ditto	
	i) 310 mm (12") i/d	Per Rft.	124.15	898.15	Per Meter	407.20	2,945.95		
	ii) 380 mm (15") i/d	Per Rft.	155.30	1,199.30	Per Meter	509.40	3,933.70		
	iii) 460 mm (18") i/d	Per Rft.	186.30	1,561.50	Per Meter	611.05	5,121.70		
	iv) 530 mm (21") i/d	Per Rft.	232.50	1,853.20	Per Meter	762.60	6,078.50		
	v) 610 mm (24") i/d	Per Rft.	265.75	2,150.35	Per Meter	871.65	7,053.15		
	vi) 690 mm (27") i/d	Per Rft.	396.45	3,193.65	Per Meter	1,300.35	10,475.15		
	vii) 760 mm (30") i/d	Per Rft.	474.70	4,092.70	Per Meter	1,557.00	13,424.05		
	viii) 840 mm (33") i/d	Per Rft.	591.15	4,558.70	Per Meter	1,938.95	14,952.55		
	ix) 910 mm (36") i/d	Per Rft.	730.10	5,120.65	Per Meter	2,394.75	16,795.75		
	x) 1070 mm (42") i/d	Per Rft.	946.65	5,950.65	Per Meter	3,105.00	19,518.15		
	xi) 1220 mm (48") i/d	Per Rft.	1,795.80	7,401.00	Per Meter	5,890.20	24,275.30		
	xii) 1370 mm (54") i/d	Per Rft.	2,507.10	9,460.15	Per Meter	8,223.30	31,029.30		
	xiii) 1520 mm (60") i/d	Per Rft.	3,144.75	13,477.45	Per Meter	10,314.80	44,206.05		
	xiv) 1680 mm (66") i/d	Per Rft.	4,993.80	17,298.60	Per Meter	16,379.65	56,739.40		
	xv) 1830 mm (72") i/d	Per Rft.	6,227.50	19,843.40	Per Meter	20,426.20	65,086.35		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
4	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 4000 psi conforming to ASTM Specification C-76-20, Class III, Wall B, including carriage of pipes from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-							Chapter-8	
	i) 310 mm (12") i/d	Per Rft.	124.15	994.40	Per Meter	407.20	3,261.65		
	ii) 380 mm (15") i/d	Per Rft.	155.30	1,334.90	Per Meter	509.40	4,378.45		
	iii) 460 mm (18") i/d	Per Rft.	186.35	1,761.00	Per Meter	611.20	5,776.10		
	iv) 530 mm (21") i/d	Per Rft.	232.50	2,085.90	Per Meter	762.65	6,841.75		
	v) 610 mm (24") i/d	Per Rft.	265.80	2,238.80	Per Meter	871.75	7,343.25		
	vi) 690 mm (27") i/d	Per Rft.	396.35	3,700.80	Per Meter	1,300.10	12,138.60		
	vii) 760 mm (30") i/d	Per Rft.	474.60	4,975.80	Per Meter	1,556.75	16,320.60		
	viii) 840 mm (33") i/d	Per Rft.	591.05	5,470.15	Per Meter	1,938.65	17,942.10		
	ix) 910 mm (36") i/d	Per Rft.	730.00	6,241.60	Per Meter	2,394.40	20,472.45		
	x) 1070 mm (42") i/d	Per Rft.	946.50	7,284.90	Per Meter	3,104.50	23,894.45		
	xi) 1220 mm (48") i/d	Per Rft.	1,822.65	9,098.00	Per Meter	5,978.25	29,841.45		
	xii) 1370 mm (54") i/d	Per Rft.	2,544.65	12,776.55	Per Meter	8,346.45	41,907.10		
	xiii) 1520 mm (60") i/d	Per Rft.	3,191.70	14,960.35	Per Meter	10,468.85	49,069.95		
	xiv) 1680 mm (66") i/d	Per Rft.	5,068.95	20,773.35	Per Meter	16,626.05	68,136.60		
	xv) 1830 mm (72") i/d	Per Rft.	6,321.45	25,423.05	Per Meter	20,734.30	83,387.60		
5	Providing and laying R.C.C. pipe sewers, moulded with cement concrete conforming to ASTM Specification C-76-20, Class IV, Wall B, including carriage of pipes from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete:-							Chapter - 8	
	a) 4000 psi								
	i) 310 mm (12") i/d	Per Rft.	124.15	1,012.75	Per Meter	407.20	3,321.80		
	ii) 380 mm (15") i/d	Per Rft.	155.30	1,365.50	Per Meter	509.40	4,478.85		
	iii) 460 mm (18") i/d	Per Rft.	186.35	1,779.35	Per Meter	611.20	5,836.20		
	iv) 530 mm (21") i/d	Per Rft.	232.50	2,159.35	Per Meter	762.65	7,082.70		
	v) 610 mm (24") i/d	Per Rft.	265.80	3,303.70	Per Meter	871.75	10,836.15		
	vi) 690 mm (27") i/d	Per Rft.	396.35	4,055.75	Per Meter	1,300.10	13,302.95		
	vii) 760 mm (30") i/d	Per Rft.	474.60	5,636.80	Per Meter	1,556.75	18,488.65		
	viii) 840 mm (33") i/d	Per Rft.	591.05	6,233.95	Per Meter	1,938.65	20,447.30		
	ix) 910 mm (36") i/d	Per Rft.	730.00	7,832.80	Per Meter	2,394.40	25,691.55		
	x) 1070 mm (42") i/d	Per Rft.	946.50	10,063.35	Per Meter	3,104.50	33,007.85		
	xi) 1220 mm (48") i/d	Per Rft.	1,822.65	12,415.05	Per Meter	5,978.25	40,721.35		
	xii) 1370 mm (54") i/d	Per Rft.	2,544.65	14,943.05	Per Meter	8,346.45	49,013.20		
	b) 5000 psi								
	xiii) 1520 mm (60") i/d	Per Rft.	3,191.70	18,436.50	Per Meter	10,468.85	60,471.80		
	xiv) 1680 mm (66") i/d	Per Rft.	5,068.95	28,117.35	Per Meter	16,626.05	92,224.85		
	xv) 1830 mm (72") i/d	Per Rft.	6,321.45	32,705.85	Per Meter	20,734.30	107,275.15		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
6	Lowering of sub-soil water table, by installation of tubewells along sewer line and pumping out water, for excavation in open cutting below sub-soil water level, concreting, curing, laying and jointing pipes, filling haunches, etc. till the completion of sewer line, including disposal of pumped out water:-								1) This rate shall be payable, in addition to the item of excavation below SSWL for sewers and manholes under Chapter, EARTHWORK 2) The grant of these rates shall be subject to Superintending Engineer's approval. 3) The rate includes cost of providing pumps, POL and all operation charges at the site of work, etc.
	1) 0-1 ft. (0 to 310 mm) below SSWL	Rft of laid sewer	-	720.40	Metre of laid sewer	-	2,362.95		
	2) 0-2 ft. (0 to 610 mm) below SSWL	ditto	-	1,305.95	ditto	-	4,283.50		
	3) 0-3 ft. (0 to 910 mm) below SSWL	ditto	-	2,297.80	ditto	-	7,536.70		
	4) 0-4 ft. (0 to 1220 mm) below SSWL	ditto	-	3,363.35	ditto	-	11,031.85		
	5) 0-5 ft. (0 to 1520 mm) below SSWL	ditto	-	4,776.10	ditto	-	15,665.65		
	6) 0-6 ft. (0 to 1830 mm) below SSWL	ditto	-	5,901.50	ditto	-	19,357.00		
	7) 0-7 ft. (0 to 2170 mm) below SSWL	ditto	-	7,065.90	ditto	-	23,176.15		
	8) 0-8 ft. (0 to 2480 mm) below SSWL	ditto	-	8,111.15	ditto	-	26,604.50		
	9) 0-9 ft. (0 to 2790 mm) below SSWL	ditto	-	8,688.65	ditto	-	28,498.70		
	10) 0-10 ft. (0 to 3100 mm) below SSWL	ditto	-	10,053.40	ditto	-	32,975.10		
	11) 0-11 ft. (0 to 3410 mm) below SSWL	ditto	-	11,219.50	ditto	-	36,799.95		
	12) 0-12 ft. (0 to 3720 mm) below SSWL	ditto	-	12,468.80	ditto	-	40,897.65		
7	Constructing gully grating chamber, 12"x12", (300x300 mm) complete in all respects:							16.2	Pipe connection to be paid separately.
	a) with C.I. gully trap, weighing 81 lbs. (36.75 Kg.) frame hinged safety type.	Each	1,707.45	16,727.30	Each	1,707.45	16,727.30		
	b) concrete Gully trap.	Each	1,707.45	6,594.30	Each	1,707.45	6,594.30		
8	Constructing standard gully grating chamber, 3'x2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.	Each	5,465.95	20,221.40	Each	5,465.95	20,221.40	ditto	Pipe connection to be paid separately.
9	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.	100Sft.	2,801.30	4,145.90	Per Sqm	301.40	446.10	14.4	
10	Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling.	100Sft.	4,047.70	7,351.25	Per Sqm	435.55	791.00	13.1	
11	Restoration of flat brick pavement sand grouted, over 2" (50 mm) thick dry sand cushion, under soling on laid service line.	100Sft.	2,456.20	4,837.55	Per Sqm	264.30	520.50	13.1	
12	Restoration of metalled road, on laid service line, including compaction:-							13.1	
	a) Carpetted road, with 2" (50 mm) carpet and 10" (250 mm) depth of stone metal for sub-base and base.	100Sft.	6,527.85	17,219.80	Per Sqm	702.40	1,852.85		
	b) Carpeted road, with 1½" (38 mm) carpet and 6" (150 mm) depth of stone metal, for sub-base and base.	100Sft.	4,605.00	12,570.25	Per Sqm	495.50	1,352.55		
	c) Black Topped Road with two coats of surfacing & 10" (250 mm) depth of stone metal, for sub base & base.	100Sft.	2,583.30	8,693.80	Per Sqm	277.95	935.45		
13	Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.	Each	191.75	680.25	Each	191.75	680.25	14.7	
14	Fixing manhole frame and cover in R.C.C. slab including carriage to site.	Per set	556.85	-	Per set	556.85	-	ditto	
15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one	Per set	325.85	20,910.60	Per set	325.85	20,910.60	ditto	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.								
16	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" i/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	Per set	823.95	24,762.80	Per set	823.95	24,762.80		
17	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.	Per set	727.65	7,542.70	Per set	727.65	7,542.70	ditto	
18	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3"x3"x¼" (75x75x6mm) angle iron frame, 22" (550 mm) i/d as per standard drawing STD/PD No. 7 of 1977, complete in all respects.	Per set	562.75	12,017.45	Per set	562.75	12,017.45	ditto	
19	Desilting of disposal work collecting tank, including removal of sludge within 3 chains (90 metre).	100Cft.	2,149.70	2,204.00	Per Cum	759.30	778.45	16.2	
20	Desilting of Manholes including rehandling of sludge within three chains and removal from site to Dumping Site. Complete in all respect.	100Cft.	1,325.00	2,404.90	Per Cum	468.20	849.80		
21	Providing and installing, C.I. ventilating shaft painted with bituminous paint with foundation bolts, as per PHED Standard Drawing STD/PD No. 4 of 1977, complete in all respects (except concrete foundation block):-							14.6	
	a) 6" (150 mm) i/d shaft								
	i) 18 ft. (5.5 metre) long	Per Cwt	618.75	24,140.85	100 Kg	1,218.00	47,521.35		
	ii) 24 ft. (7.30 metre) long	Per Cwt	687.50	24,224.05	100 Kg	1,353.35	47,685.15		
	iii) 30 ft. (9.15 metre) long	Per Cwt	742.50	24,261.25	100 Kg	1,461.60	47,758.40		
	iv) 36 ft. (11 metre) long	Per Cwt	776.90	24,300.75	100 Kg	1,529.35	47,836.10		
	b) 9" (225 mm) i/d shaft								
	i) 18 ft. (5.5 metre) long	Per Cwt	546.50	24,058.75	100 Kg	1,075.75	47,359.75		
	ii) 24 ft. (7.30 metre) long	Per Cwt	588.90	24,098.15	100 Kg	1,159.20	47,437.25		
	iii) 30 ft. (9.15 metre) long	Per Cwt	630.55	24,138.10	100 Kg	1,241.25	47,515.90		
	iv) 36 ft. (11 metre) long	Per Cwt	759.00	24,265.15	100 Kg	1,494.10	47,766.05		
	c) 12" (300 mm) i/d shaft								
	i) 18 ft. (5.5 metre) long	Per Cwt	484.00	23,995.45	100 Kg	952.75	47,235.10		
	ii) 24 ft. (7.30 metre) long	Per Cwt	622.30	24,125.55	100 Kg	1,224.95	47,491.25		
	iii) 30 ft. (9.15 metre) long	Per Cwt	726.00	24,228.15	100 Kg	1,429.15	47,693.15		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
22	Silt clearing 10' (3.00 m) dia wells, and removal of slush outside the compound:- a) upto 10' (3.00 m) depth of slush b) beyond 10' (3.00 m) depth of slush	Per well Per well	17,473.50 34,452.00	- -	Per well Per well	17,473.50 34,452.00	- -		
23	Providing and laying crushed stone aggregate of 1/4" to 1-1/2" guage under and around the sewer pipe, including leveling, manual compaction, complete in all respects.	100Cft.	3,762.00	8,550.00	Per Cum	1,328.75	3,019.85		
24	Providing and laying sand under and around the sewer pipe, including leveling, manual compaction, complete in all respect.	100Cft.	1,881.00	5,001.00	Per Cum	664.35	1,766.35		
25	Supply of Bamboos for removal of sewer blockage 4" dia from Bottom and 2" to 2.5" dia from Top, 22' long i/c cutting charges into four pieces, including carriage charges.	04 pieces 22 feet long	-	1,953.60	01 piece 22 feet long	-	488.40		
26	Desilting including disposal of sludge upto one Chain (30 Meters). a) Open Drain b) Covered Drain	100Cft. 100Cft.	630.65 909.35	1,639.35 1,986.90	Per Cum Per Cum	222.75 321.20	579.25 702.10		



CHAPTER NO.22 (SINKING OF WELLS)

- 1 Rates for all finished works include the removal of surplus debris, unused material and byproducts.
- 2 Well curbs to be laid at spring level or as deep as possible.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre)								
	a) in ordinary soil or sand :-								
	i) from 0' to 5' (0 to 1.5 m) depth	1000 Cft.	11,180.65	-	Per Cum	394.90	-		
	ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	1000 Cft.	11,677.25	-	Per Cum	412.45	-		
	iii) from 10.1' to 15' (3.0 to 4.5 metre) depth	1000 Cft.	13,136.90	-	Per Cum	464.00	-		
	iv) from 15.1' to 20' (4.5 metre to 6.0 metre) depth	1000 Cft.	15,078.10	-	Per Cum	532.55	-		
	b) in hard soil								
	i) from 0' to 5' (0 to 1.5 metre) depth	1000 Cft.	13,618.45	-	Per Cum	481.00	-		
	ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	1000 Cft.	14,235.40	-	Per Cum	502.80	-		
	iii) from 10.1' to 15' (3.0 to 4.5 metre) depth	1000 Cft.	15,559.65	-	Per Cum	549.55	-		
	iv) from 15.1' to 20' (4.5 to 6.0 metre) depth	1000 Cft.	17,500.80	-	Per Cum	618.15	-		
	c) in hard strata, such as shingle, gravel, etc.								
	i) from 0' to 5' (0 to 1.5 metre) depth	1000 Cft.	29,373.70	-	Per Cum	1,037.50	-		
	ii) from 5.1' to 10' (1.5 to 3.0 metre) depth	1000 Cft.	30,427.05	-	Per Cum	1,074.70	-		
	iii) from 10.1' to 15' (3.0 to 4.5 metre) depth	1000 Cft.	31,721.20	-	Per Cum	1,120.40	-		
	iv) from 15.1' to 20' (4.5 to 6.0 metre) depth	1000 Cft.	34,053.60	-	Per Cum	1,202.75	-		
2	Dry sinking of well, including loading, and removing excavated material within one chain (30 m):-								
	a) in ordinary soil :-								
	i) from 10' to 15' (3.0 to 4.5 m) depth	1000 Cft.	60,192.00	-	Per Cum	2,126.00	-		
	ii) from 15.1' to 20' (4.5 to 6.0 m) depth	1000 Cft.	75,240.00	-	Per Cum	2,657.50	-		
	iii) from 20.1' to 25' (6.0 to 7.5 m) depth	1000 Cft.	90,288.00	-	Per Cum	3,188.95	-		
	iv) from 25.1' to 30' (7.5 to 9.0 m) depth	1000 Cft.	105,336.00	-	Per Cum	3,720.45	-		
	v) from 30.1' to 35' (9.0 to 10.5 m) depth	1000 Cft.	120,384.00	-	Per Cum	4,251.95	-		
	vi) from 35.1' to 40' (10.5 to 12.0 m) depth	1000 Cft.	135,432.00	-	Per Cum	4,783.45	-		
	vii) from 40.1' to 45' (12.0 to 13.5 m) depth	1000 Cft.	150,480.00	-	Per Cum	5,314.95	-		
	viii) from 45' (13.5 m) to any depth	1000 Cft.	165,528.00	-	Per Cum	5,846.45	-		
	b) in hard soil :-								
	i) from 10' to 15' (3.0 to 4.5 m) depth	1000 Cft.	82,764.00	-	Per Cum	2,923.25	-		
	ii) from 15.1' to 20' (4.5 to 6.0 m) depth	1000 Cft.	97,812.00	-	Per Cum	3,454.70	-		
	iii) from 20.1' to 25' (6.0 to 7.5 m) depth	1000 Cft.	112,860.00	-	Per Cum	3,986.20	-		
	iv) from 25.1' to 30' (7.5 to 9.0 m) depth	1000 Cft.	127,908.00	-	Per Cum	4,517.70	-		
	v) from 30.1' to 35' (9.0 to 10.5 m) depth	1000 Cft.	142,956.00	-	Per Cum	5,049.20	-		
	vi) from 35.1' to 40' (10.5 to 12.0 m) depth	1000 Cft.	158,004.00	-	Per Cum	5,580.70	-		
	vii) from 40.1' to 45' (12.0 to 13.5 m) depth	1000 Cft.	173,052.00	-	Per Cum	6,112.20	-		
	viii) from 45' (13.5 m) to any depth	1000 Cft.	188,100.00	-	Per Cum	6,643.70	-		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	c) in hard strata, such as shingle, gravel, etc.								
	i) from 10' to 15'(3.0 to 4.5 m) depth	1000 Cft.	112,860.00	-	Per Cum	3,986.20	-		
	ii) from 15.1' to 20'(4.5 to 6.0 m) depth	1000 Cft.	127,908.00	-	Per Cum	4,517.70	-		
	iii) from 20.1' to 25'(6.0 to 7.5 m) depth	1000 Cft.	142,956.00	-	Per Cum	5,049.20	-		
	iv) from 25.1' to 30'(7.5 to 9.0 m) depth	1000 Cft.	144,837.00	-	Per Cum	5,115.65	-		
	v) from 30.1' to 35'(9.0 to 10.5 m) depth	1000 Cft.	173,052.00	-	Per Cum	6,112.20	-		
	vi) from 35.1' to 40'(10.5 to 12.0 m) depth	1000 Cft.	188,100.00	-	Per Cum	6,643.70	-		
	vii) from 40.1' to 45'(12.0 to 13.5 m) depth	1000 Cft.	203,148.00	-	Per Cum	7,175.20	-		
	viii) from 45'-1" (13.5 m) to any depth	1000 Cft.	218,196.00	-	Per Cum	7,706.70	-		
3	Wet sinking of well in ordinary soil (value of C upto 5), for depths below spring level, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain (30 m):-							* 841-1 to 841-9	The outer dimensions of the curb shall form basis of payment.
	i) i) from 0' to 10'(0 to 3.0 m) depth	1000 Cft.	94,341.20	-	Per Cum	3,332.15	-		
	ii) ii) above 10' to 20'(3.0 to 6.0 m) depth	1000 Cft.	200,475.00	-	Per Cum	7,080.80	-		
	iii) iii) above 20' to 30'(6.0 to 9.0 m) depth	1000 Cft.	246,738.45	-	Per Cum	8,714.80	-		
	iv) iv) above 30' to 40'(9.0 to 12.0 m) depth	1000 Cft.	320,760.00	-	Per Cum	11,329.25	-		
	v) v) above 40' to 50'(12.0 to 15.0 m) depth	1000 Cft.	356,400.00	-	Per Cum	12,588.05	-		
	vi) vi) above 50' to 60'(15.0 to 18.0 m) depth	1000 Cft.	400,950.00	-	Per Cum	14,161.55	-		
	vii) vii) above 60' to 70'(18.0 to 21.0 m) depth	1000 Cft.	411,230.75	-	Per Cum	14,524.65	-		
	viii) viii) above 70' to 80'(21.0 to 24.0 m) depth	1000 Cft.	422,052.65	-	Per Cum	14,906.90	-		
	ix) ix) above 80'(24.0 m) to any depth	1000 Cft.	458,228.55	-	Per Cum	16,184.65	-		
4	Wet sinking of well in cohesive soil (value of C more than 5), for depths below spring level, including charges of machinery shoring, kentledge and removal of excavated spoil within one chain (30 m):-							* 841-1 to 841-9	The outer dimensions of the curb shall form basis of payment.
	i) from 0' to 10'(0 to 3.0 m) depth	1000 Cft.	-	129,698.00	Per Cum	-	4,580.95		
	ii) above 10' to 20'(3.0 to 6.0 m) depth	1000 Cft.	-	162,122.50	Per Cum	-	5,726.15		
	iii) above 20' to 30'(6.0 to 9.0 m) depth	1000 Cft.	-	194,547.00	Per Cum	-	6,871.40		
	iv) above 30' to 40'(9.0 to 12.0 m) depth	1000 Cft.	-	259,396.00	Per Cum	-	9,161.85		
	v) above 40' to 50'(12.0 to 15.0 m) depth	1000 Cft.	-	299,303.05	Per Cum	-	10,571.40		
	vi) above 50' to 60'(15.0 to 18.0 m) depth	1000 Cft.	-	324,245.00	Per Cum	-	11,452.35		
	vii) above 60' to 70'(18.0 to 21.0 m) depth	1000 Cft.	-	353,721.80	Per Cum	-	12,493.45		
	viii) above 70' to 80'(21.0 to 24.0 m) depth	1000 Cft.	-	367,069.80	Per Cum	-	12,964.90		
	ix) above 80'(24.0 m) to any depth	1000 Cft.	-	389,094.00	Per Cum	-	13,742.80		
5	Wet sinking of well in shingle, or gravel, etc, for depths below spring level, including charges of machinery, shoring, kentledge and removal of excavated spoil within one chain (30 m) :-							* 841-1 to 841-9	The outer dimensions of the curb shall form basis of payment.
	i) from 0' to 10'(0 to 3.0 m) depth	1000 Cft.	-	176,860.90	Per Cum	-	6,246.70		
	ii) above 10' to 20'(3.0 to 6.0 m) depth	1000 Cft.	-	216,163.30	Per Cum	-	7,634.90		
	iii) above 20' to 30'(6.0 to 9.0 m) depth	1000 Cft.	-	259,396.00	Per Cum	-	9,161.85		
	iv) above 30' to 40'(9.0 to 12.0 m) depth	1000 Cft.	-	353,721.80	Per Cum	-	12,493.45		
	v) above 40' to 50'(12.0 to 15.0 m) depth	1000 Cft.	-	389,094.00	Per Cum	-	13,742.80		
	vi) above 50' to 60'(15.0 to 18.0 m) depth	1000 Cft.	-	432,326.65	Per Cum	-	15,269.80		
	vii) above 60' to 70'(18.0 to 21.0 m) depth	1000 Cft.	-	452,434.85	Per Cum	-	15,980.00		
	viii) above 70' to 80'(21.0 to 24.0 m) depth	1000 Cft.	-	463,207.10	Per Cum	-	16,360.50		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ix) above 80'(24.0 m) to any depth	1000 Cft.	-	511,965.75	Per Cum	-	18,082.65		
6	Making and fixing in position, kiker wood well curb/ left over shuttering.	Per Cft.	2,709.90	8,157.70	Per Cum	95,714.20	288,130.80		
7	Laying well curb in position only.	Each	950.40	-	Each	950.40	-		
8	Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate :-							* 841-1 to 841-9	1) If concrete mixer is supplied by Government, all charges including depreciation will be recovered from the contractor. 2) The rate does not include cost of steel reinforcement and its labour for bending, which is payable, separately.
	a) Ratio 1:1½:3	Per Cft.	373.80	893.85	Per Cum	13,203.45	31,571.60		
	b) ratio 1:2:4	Per Cft.	373.80	818.50	Per Cum	13,203.45	28,908.60		
9	Providing and fixing structural steel for cutting edge.	100Kg	2,128.50	33,586.80	100Kg	2,128.50	33,586.80	841-1 to 841-9	
10	Making and removing false masonry on well.	100Cft.	18,575.70	42,093.25	Per Cum	6,560.95	14,867.35	21.1 to 21.5 & 18.1	The rate includes dismantling of false masonry, scraping bricks obtained from dismantling and credit of byproducts.

* Specification No. correspond to Book of "Standard Specification for Road and Bridge Construction, 1971".

Finance Department

CHAPTER NO.23 (TUBEWELL AND WATER SUPPLY)

- 1 Specification No. correspond to Book of "Specification for B&R Department, 1966, Vol. II (Public Health Works)".
- 2 Rates for all finished works include the removal of surplus debris, unused material and byproducts.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-							Chap. 2	
	a) 3" (75 mm) i/d	Per Rft. of bore		341.15	Per Meter of bore		1,118.95		
	b) 4" (100 mm) i/d	ditto		458.50	ditto		1,503.85		
	c) 5" (125 mm) i/d	ditto		839.40	ditto		2,753.25		
	d) 6" (150 mm) i/d	ditto		1,277.20	ditto		4,189.30		
	e) 8" (200 mm) i/d	ditto		1,671.75	ditto		5,483.35		
	f) 10" (250 mm) i/d	ditto		2,111.30	ditto		6,925.00		
	g) 12" (300 mm) i/d	ditto		2,270.20	ditto		7,446.25		
	h) 15" (375 mm) i/d	ditto		3,451.00	ditto		11,319.35		
	i) 18" (450 mm) i/d	ditto		3,662.30	ditto		12,012.30		
2	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 100.1 ft. to 200 ft. (30 to 60 m) below ground level, including sinking and withdrawing of casing pipe, complete:-							ditto	
	a) 5" (125 mm) i/d	Rft of bore		1,410.10	Per Meter of bore		4,625.20		
	b) 6" (150 mm) i/d	ditto		1,981.80	ditto		6,500.30		
	c) 8" (200 mm) i/d	ditto		2,267.65	ditto		7,437.90		
	d) 10" (250 mm) i/d	ditto		2,579.90	ditto		8,462.00		
	e) 12" (300 mm) i/d	ditto		2,753.20	ditto		9,030.50		
	f) 15" (375 mm) i/d	ditto		4,051.45	ditto		13,288.70		
	g) 18" (450 mm) i/d	ditto		4,262.70	ditto		13,981.65		
3	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 200.1 ft. to 300 ft. (60 to 90 m) below ground level, including sinking and withdrawing of casing pipe, complete:-							ditto	
	a) 5" (125 mm) i/d	Rft of bore		1,967.40	Per Meter of bore		6,453.05		
	b) 6" (150 mm) i/d	ditto		2,536.70	ditto		8,320.30		
	c) 8" (200 mm) i/d	ditto		2,862.35	ditto		9,388.45		
	d) 10" (250 mm) i/d	ditto		3,213.40	ditto		10,539.90		
	e) 12" (300 mm) i/d	ditto		3,383.10	ditto		11,096.60		
	f) 15" (375 mm) i/d	ditto		4,453.80	ditto		14,608.45		
	g) 18" (450 mm) i/d	ditto		4,665.05	ditto		15,301.40		
4	Boring for tubewell in all types of soil except shingle, gravel & rock, from a depth of 300.1 ft. to 400 ft. (90 to 120 m) below ground level, including sinking and withdrawing of casing pipe, complete:-							Chap. 2	
	a) 8" (200 mm) i/d	Rft of bore		3,460.65	Per Meter of bore		11,350.85		
	b) 10" (250 mm) i/d	ditto		3,849.30	ditto		12,625.70		
	c) 12" (300 mm) i/d	ditto		4,021.40	ditto		13,190.25		
	d) 15" (375 mm) i/d	ditto		5,450.35	ditto		17,877.10		
	e) 18" (450 mm) i/d	ditto		5,469.55	ditto		17,940.10		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
5	Direct Rotary/Reverse Rotary drilling of bore for tubewells, in all types of soil except shingle, gravel and rock:- a) from ground level to 250 ft. (75 m) below ground level:- i) 15" to 18" (375 to 450 mm) i/d ii) 20" to 26" (500 to 650 mm) i/d b) exceeding 250 ft. (75 m) depth below ground level:- i) 15" to 18" (375 to 450 mm) i/d ii) 20" to 26" (500 to 650 mm) i/d	Rft of bore ditto		864.05 1,242.65	Per Meter of bore		2,834.10 4,075.90	ditto	Upto 2 cusec discharge Above 2 cusec discharge
6	Boring for tubewell in shingle, gravel and rock, including sinking and withdrawing of casing pipe:- a) from ground level to 200 ft. (60 m) below ground level:- i) 12" to 18" (300 to 450 mm) i/d ii) 20" to 26" (500 to 650 mm) i/d b) exceeding 200 ft. (60 m) depth below ground level:- i) 12" to 18" (300 to 450 mm) i/d ii) 20" to 26" (500 to 650 mm) i/d	Rft of bore ditto		1,948.70 2,635.55	Per Meter of bore		6,391.75 8,644.55	ditto	Upto 2 cusec discharge Above 2 cusec discharge Location and depth of shingle, gravel or rock is to be determined from the bore log.
7	Providing strong substantially built box of deodar wood 4x2½x9" (1200x750x225 mm), with compartments, lock and locking arrangement, for preserving samples of strata from bore hole.	Job for complete bore	7,163.00	47,971.40	Job for complete bore	7,163.00	47,971.40	ditto	Upto 2 cusec discharge Above 2 cusec discharge
8	Furnishing sample of water from bore hole.	Per Set of 2 bottles	124.80	232.80	Per Set of 2 bottles	124.80	232.80	Chap. 2	
9	Providing and installing, brass strainer in tubewell bore hole, including sockets, special sockets, studs, etc. complete:- a) 2" i/d, 5/32" (50 mm i/d 4 mm) thick b) 3" i/d, 5/32" (75 mm i/d 4 mm) thick c) 4" i/d, 3/16" (100 mm i/d 5 mm) thick d) 5" i/d, 3/16" (125 mm i/d 5 mm) thick e) 6" i/d, 3/16" (150 mm i/d 5 mm) thick f) 7" i/d, 3/16" (175 mm i/d 5 mm) thick g) 8" i/d, 3/16" (200 mm i/d 5 mm) thick h) 9" i/d, 3/16" (225 mm i/d 5 mm) thick i) 10" i/d, 3/16" (250 mm i/d 5 mm) thick j) 10" i/d, ¼" (250 mm i/d 6 mm) thick k) 12" i/d, ¼" (300 mm i/d 6 mm) thick l) 14" i/d, ¼" (355 mm i/d 6 mm) thick m) 16" i/d, ¼" (405 mm i/d 6 mm) thick n) 18" i/d, ¼" (450 mm i/d 6 mm) thick o) 20" i/d, ¼" (500 mm i/d 6 mm) thick p) 22" i/d, ¼" (550 mm i/d 6 mm) thick	Per Rft.	79.20	2,367.60	Per Meter	259.80	7,765.70	ditto	Cost/labour of jointing both ends is included in the rate.
		Per Rft.	79.20	4,278.00	Per Meter	259.75	14,031.80		
		Per Rft.	104.00	5,512.40	Per Meter	341.05	18,080.60		
		Per Rft.	118.50	7,028.10	Per Meter	388.70	23,052.15		
		Per Rft.	130.00	7,918.00	Per Meter	426.30	25,970.95		
		Per Rft.	153.55	9,514.75	Per Meter	503.70	31,208.45		
		Per Rft.	188.95	11,278.15	Per Meter	619.80	36,992.35		
		Per Rft.	188.95	11,731.75	Per Meter	619.80	38,480.20		
		Per Rft.	214.25	12,937.85	Per Meter	702.70	42,436.15		
		Per Rft.	214.25	14,461.85	Per Meter	702.70	47,434.85		
		Per Rft.	215.45	18,796.25	Per Meter	706.65	61,651.70		
		Per Rft.	249.15	23,155.95	Per Meter	817.20	75,951.50		
		Per Rft.	249.15	23,289.15	Per Meter	817.20	76,388.40		
		Per Rft.	249.15	26,338.35	Per Meter	817.20	86,389.80		
		Per Rft.	296.35	29,060.35	Per Meter	972.00	95,317.90		
		Per Rft.	297.55	33,345.55	Per Meter	975.95	109,373.35		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10	Providing and installing M.S. Bail plug in tubewell bore hole:								In the case of increase or decrease in the length of Bail plug, the rates will be increased or decreased as per rates given in serial No. 14 of this chapter for the respective diameter.
	a) 2" i/d, 1.5 ft. (50 mm i/d 450 mm) long.	Each	372.85	1,408.75	Each	372.85	1,408.75		
	b) 3" i/d, 1.5 ft. (75 mm i/d 450 mm) long.	Each	372.85	1,801.10	Each	372.85	1,801.10		
	c) 4" i/d, 2 ft. (100 mm i/d 600 mm) long.	Each	622.30	3,162.70	Each	622.30	3,162.70		
	d) 5" i/d, 2 ft. (125 mm i/d 600 mm) long.	Each	622.30	3,899.50	Each	622.30	3,899.50		
	e) 6" i/d, 2 ft. (150 mm i/d 600 mm) long.	Each	841.60	4,942.70	Each	841.60	4,942.70		
	f) 7" i/d, 2 ft. (175 mm i/d 600 mm) long.	Each	841.60	5,675.15	Each	841.60	5,675.15		
	g) 8" i/d, 2 ft. (200 mm i/d 600 mm) long	Each	1,035.40	6,344.90	Each	1,035.40	6,344.90		
	h) 9" i/d, 2 ft. (225 mm i/d 600 mm) long	Each	1,035.40	6,875.25	Each	1,035.40	6,875.25		
	i) 10" i/d, 2 ft. (250 mm i/d 600 mm) long	Each	1,035.40	8,509.90	Each	1,035.40	8,509.90		
	j) 12" i/d, 2 ft. (300 mm i/d 600 mm) long	Each	1,242.75	10,216.85	Each	1,242.75	10,216.85		
	k) 14" i/d, 2 ft. (355 mm i/d 600 mm) long	Each	1,242.75	12,313.40	Each	1,242.75	12,313.40		
	l) 16" i/d, 2 ft. (405 mm i/d 600 mm) long	Each	1,242.75	12,546.20	Each	1,242.75	12,546.20		
	m) 18" i/d, 2 ft. (450 mm i/d 600 mm) long	Each	1,496.45	14,572.50	Each	1,496.45	14,572.50		
	n) 20" i/d, 2 ft. (500 mm i/d 600 mm) long	Each	1,626.60	15,879.60	Each	1,626.60	15,879.60		
	o) 22" i/d, 2 ft. (550 mm i/d 600 mm) long	Each	1,626.60	17,546.15	Each	1,626.60	17,546.15		
11	Providing and installing, P.V.C. strainer B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents, etc. complete:-							Chap. 2	
	a) 3" i/d (75 mm)	Per Rft.	63.60	223.20	Per Meter	208.65	732.10		
	b) 4" i/d (100 mm)	Per Rft.	73.80	324.60	Per Meter	242.05	1,064.70		
	c) 5" i/d (125 mm)	Per Rft.	78.35	415.55	Per Meter	256.95	1,362.95		
	d) 6" i/d (150 mm)	Per Rft.	92.95	533.35	Per Meter	304.85	1,749.35		
	e) 8" i/d (200 mm)	Per Rft.	123.10	1,212.70	Per Meter	403.85	3,977.70		
	f) 10" i/d (250 mm)	Per Rft.	126.15	1,680.15	Per Meter	413.75	5,510.85		
	g) 12" i/d (300 mm)	Per Rft.	126.15	2,372.55	Per Meter	413.75	7,781.95		
12	Providing and installing P.V.C. strainer B.S.S. Class 'D', in tubewell bore hole, including sockets and solvent, etc. complete:-								
	a) 1¼" i/d (30 mm)	Per Rft.	44.15	108.95	Per Meter	144.75	357.30		
	b) 1½" i/d (40 mm)	Per Rft.	45.20	116.00	Per Meter	148.30	380.50		
	c) 2" i/d (50 mm)	Per Rft.	46.85	163.25	Per Meter	153.65	535.45		
	d) 3" i/d (75 mm)	Per Rft.	64.85	309.65	Per Meter	212.70	1,015.65		
	e) 4" i/d (100 mm)	Per Rft.	73.60	490.00	Per Meter	241.35	1,607.15		
	f) 5" i/d (125 mm)	Per Rft.	79.50	691.50	Per Meter	260.80	2,268.15		
	g) 6" i/d (150 mm)	Per Rft.	141.45	995.85	Per Meter	463.95	3,266.35		
13	Providing and installing Fiberglass Reinforced Polypropylene (FRP) strainer of specifid wall thickness having slot size of 0.9 mm to 1.10 mm in Tubewell borehole i/c the cost of male/female coupling with Nylon Strip, studs complete in all respect as approved and directed by the Engineer Incharge.								
	i) 2" inch dia (5 mm thickness)	Per Rft	446.45	1,298.45	Per Meter	1,464.30	4,258.85		
	ii) 3" inch dia (5 mm thickness)	Per Rft	446.45	1,508.45	Per Meter	1,464.30	4,947.65		
	iii) 4" inch dia (5 mm thickness)	Per Rft	446.45	1,796.45	Per Meter	1,464.30	5,892.30		
	iv) 6" inch dia (5 mm thickness)	Per Rft	446.45	2,385.65	Per Meter	1,464.30	7,824.85		
	v) 8" inch dia (5 mm thickness)	Per Rft	446.45	2,644.85	Per Meter	1,464.30	8,675.05		
	vi) 10" inch dia (6.35 mm thickness)	Per Rft	446.45	3,866.45	Per Meter	1,464.30	12,681.90		
	vii) 12" inch dia (6.35 mm thickness)	Per Rft	446.45	4,436.45	Per Meter	1,464.30	14,551.50		
	viii) 14" inch dia (6.35 mm thickness)	Per Rft	458.75	5,085.95	Per Meter	1,504.80	16,682.00		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14	xi) 16" inch dia (6.35 mm thickness)	Per Rft	458.75	5,863.55	Per Meter	1,504.80	19,232.50	Chap. 2	
	x) 18" inch dia (6.35 mm thickness)	Per Rft	475.25	6,724.85	Per Meter	1,558.75	22,057.45		
	Providing and installing Fiber glass Reinforced Polypropelene (FRP) bail plug of specified wall thickness having slot size of 0.9 mm to 1.10 mm in Tubewell bore hole i/c the cost of male / female coupling with Nylon Strip, studs complete in all respect as approved and directed by the Engineer Incharge.								
	i) 2" dia (5mm thickness)	Per Rft	106.45	984.00	Per Meter	349.15	3,227.45		
	ii) 3" dia (5mm thickness)	Per Rft	106.45	1,306.75	Per Meter	349.15	4,286.10		
	iii) 4" dia (5mm thickness)	Per Rft	106.45	1,603.40	Per Meter	349.15	5,259.05		
	iv) 6" dia (5mm thickness)	Per Rft	106.45	2,210.25	Per Meter	349.15	7,249.60		
	v) 8" dia (5mm thickness)	Per Rft	106.45	2,477.25	Per Meter	349.15	8,125.30		
	vi) 10" dia (6.35mm thickness)	Per Rft	106.45	3,735.50	Per Meter	349.15	12,252.35		
	vii) 12" dia (6.35mm thickness)	Per Rft	106.45	4,322.60	Per Meter	349.15	14,178.05		
	viii) 14" dia (6.35mm thickness)	Per Rft	106.45	4,978.90	Per Meter	349.15	16,330.75		
	xi) 16" dia (6.35mm thickness)	Per Rft	106.45	5,779.80	Per Meter	349.15	18,957.80		
	x) 18" dia (6.35mm thickness)	Per Rft	106.45	6,649.95	Per Meter	349.15	21,811.90		
15	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole:-							Chap. 2	
	a) B.S.S. Class 'B'								
	i) 3" i/d (75 mm)	Each	34.75	111.55	Each	34.75	111.55		
	ii) 4" i/d (100 mm)	Each	38.90	143.30	Each	38.90	143.30		
	iii) 5" i/d (125 mm)	Each	42.30	207.90	Each	42.30	207.90		
	iv) 6" i/d (150 mm)	Each	51.95	296.75	Each	51.95	296.75		
	v) 8" i/d (200 mm)	Each	62.05	574.45	Each	62.05	574.45		
	vi) 10" i/d (250 mm)	Each	65.60	776.00	Each	65.60	776.00		
	vii) 12" i/d (300 mm)	Each	73.85	1,035.05	Each	73.85	1,035.05		
	viii) 14" i/d (350 mm)	Each	73.85	1,071.05	Each	73.85	1,071.05		
	b) B.S.S. Class 'D'								
	i) 1½" i/d (30 mm)	Each	24.15	69.75	Each	24.15	69.75		
	ii) 1½" i/d (40 mm)	Each	25.40	102.20	Each	25.40	102.20		
	iii) 2" i/d (50 mm)	Each	26.25	124.65	Each	26.25	124.65		
16	Providing and installing M.S. blind pipe socketed/welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer, etc. complete:-								
	a) 2" i/d, 1/8" (50 mm i/d 3 mm) thick	Per Rft.	228.35	752.75	Per Meter	749.00	2,469.00		
	b) 3" i/d, 1/8" (75 mm i/d 3 mm) thick	Per Rft.	228.35	1,012.45	Per Meter	749.00	3,320.75		
	c) 4" i/d, 1/8" (100 mm i/d 3 mm) thick	Per Rft.	285.70	1,303.40	Per Meter	937.10	4,275.20		
	d) 5" i/d, 3/16" (125 mm i/d 5 mm) thick	Per Rft.	285.70	2,361.70	Per Meter	937.10	7,746.40		
	e) 6" i/d, 3/16" (150 mm i/d 5 mm) thick	Per Rft.	407.65	2,781.25	Per Meter	1,337.10	9,122.50		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	f) 7" i/d, 3/16" (175 mm i/d 5 mm) thick	Per Rft.	407.65	3,177.25	Per Meter	1,337.10	10,421.40		
	g) 8" i/d, 3/16" (200 mm i/d 5 mm) thick	Per Rft.	475.65	3,668.85	Per Meter	1,560.15	12,033.85		
	h) 9" i/d, 3/16" (225 mm i/d 5 mm) thick	Per Rft.	475.65	4,067.25	Per Meter	1,560.15	13,340.60		
	i) 10" i/d, 1/4" (250 mm i/d 6 mm) thick	Per Rft.	475.65	5,344.20	Per Meter	1,560.15	17,529.00		
	j) 12" i/d, 1/4" (300 mm i/d 6 mm) thick	Per Rft.	570.90	6,413.75	Per Meter	1,872.55	21,037.10		
	k) 14" i/d, 1/4" (355 mm i/d 6 mm) thick	Per Rft.	570.90	7,666.50	Per Meter	1,872.55	25,146.10		
	l) 16" i/d, 1/4" (405 mm i/d 6 mm) thick	Per Rft.	570.90	8,560.50	Per Meter	1,872.55	28,078.45		
	m) 18" i/d, 1/4" (450 mm i/d 6 mm) thick	Per Rft.	697.75	9,565.10	Per Meter	2,288.60	31,373.55		
	n) 20" i/d, 1/4" (500 mm i/d 6 mm) thick	Per Rft.	752.75	10,604.55	Per Meter	2,469.00	34,783.00		
	o) 22" i/d, 1/4" (550 mm i/d 6 mm) thick	Per Rft.	752.75	11,591.95	Per Meter	2,469.00	38,021.55		
17	Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.							ditto	
	a) 3" i/d (75 mm)	Per Rft.	83.85	410.60	Per Meter	274.95	1,346.75		
	b) 4" i/d (100 mm)	Per Rft.	96.15	587.55	Per Meter	315.40	1,927.20		
	c) 5" i/d (125 mm)	Per Rft.	100.75	787.85	Per Meter	330.40	2,584.15		
	d) 6" i/d (150 mm)	Per Rft.	120.70	1,067.35	Per Meter	395.85	3,500.95		
	e) 8" i/d (200 mm)	Per Rft.	158.35	1,620.80	Per Meter	519.40	5,316.20		
	f) 10" i/d (250 mm)	Per Rft.	165.45	2,479.65	Per Meter	542.70	8,133.30		
	g) 12" i/d (300 mm)	Per Rft.	197.15	3,436.15	Per Meter	646.60	11,270.65		
	h) 14" i/d (350 mm)	Per Rft.	186.35	4,078.05	Per Meter	611.15	13,376.00		
18	Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.								
	a) 1 1/4" i/d (30 mm)	Per Rft.	52.45	170.05	Per Meter	172.10	557.85		
	b) 1 1/2" i/d (40 mm)	Per Rft.	53.50	201.35	Per Meter	175.45	660.35		
	c) 2" i/d (50 mm)	Per Rft.	57.90	289.75	Per Meter	190.00	950.40		
	d) 3" i/d (75 mm)	Per Rft.	73.15	580.50	Per Meter	239.95	1,904.05		
	e) 4" i/d (100 mm)	Per Rft.	96.15	947.10	Per Meter	315.40	3,106.45		
	f) 5" i/d (125 mm)	Per Rft.	101.95	1,356.90	Per Meter	334.35	4,450.60		
	g) 6" i/d (150 mm)	Per Rft.	121.90	1,960.65	Per Meter	399.75	6,430.90		
19	Testing and developing of tubewell of size 6" (150 mm) i/d and above continuously.								
	i) upto 1.5 cs. discharge	Per Hour		2,693.70	Per Hour		2,693.70		
	ii) above 1.5 cs. discharge	ditto		3,253.10	ditto		3,253.10		
20	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3 mm), around tubewell in bore hole.	Per Cft.	97.20	179.10	P. Cum	3,433.10	6,325.80		The rate includes wastage, etc.
21	Providing, laying, cutting, jointing, testing and disinfecting cast iron pipe line (BS-2035/4622) in trenches, with spigot and socket caulked lead joints, including cost of materials, such as lead, yarn, etc. complete in all respects:-							Chap. 2	
	a) 3" (75 mm) i/d	Per Rft.		1,673.30	Per Meter		5,488.45		
	b) 4" (100 mm) i/d	Per Rft.		2,165.60	Per Meter		7,103.20		
	c) 5" (125 mm) i/d	Per Rft.		2,624.45	Per Meter		8,608.15		
	d) 6" (150 mm) i/d	Per Rft.		3,136.95	Per Meter		10,289.15		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	e) 8" (200 mm) i/d	Per Rft.		3,562.95	Per Meter		11,686.55		
	f) 10" (250 mm) i/d	Per Rft.		5,038.40	Per Meter		16,525.95		
	g) 12" (300 mm) i/d	Per Rft.		6,846.80	Per Meter		22,457.55		
	h) 14" (350 mm) i/d	Per Rft.		10,292.95	Per Meter		33,760.85		
	i) 16" (350 mm) i/d	Per Rft.		9,293.30	Per Meter		30,482.05		
	j) 18" (450 mm) i/d	Per Rft.		14,792.20	Per Meter		48,518.40		
22	Providing, laying, cutting, jointing, testing and disinfecting cast iron pipe line (BS-2035/4622) in trenches, with flanged and flanged joints, complete in all respects:-							ditto	
	a) 3" (75 mm) i/d	Per Rft.		1,584.30	Per Meter		5,196.55		
	b) 4" (100 mm) i/d	Per Rft.		2,046.30	Per Meter		6,711.90		
	c) 5" (125 mm) i/d	Per Rft.		2,484.95	Per Meter		8,150.60		
	d) 6" (150 mm) i/d	Per Rft.		2,964.10	Per Meter		9,722.20		
	e) 8" (200 mm) i/d	Per Rft.		3,351.25	Per Meter		10,992.15		
	f) 10" (250 mm) i/d	Per Rft.		4,699.70	Per Meter		15,414.95		
	g) 12" (300 mm) i/d	Per Rft.		6,451.05	Per Meter		21,159.35		
	h) 14" (350 mm) i/d	Per Rft.		9,810.35	Per Meter		32,177.90		
	i) 16" (350 mm) i/d	Per Rft.		8,810.75	Per Meter		28,899.15		
	j) 18" (450 mm) i/d	Per Rft.		14,140.90	Per Meter		46,382.20		
23	Providing, laying, cutting, jointing, testing and disinfecting cast iron pipe line (BS-2035/4622) in trenches with Tyton joints, complete in all respects:-							Chap. 2	
	a) 3" (75 mm) i/d	Per Rft.		1,547.70	Per Meter		5,076.55		
	b) 4" (100 mm) i/d	Per Rft.		2,006.25	Per Meter		6,580.55		
	c) 5" (125 mm) i/d	Per Rft.		2,425.65	Per Meter		7,956.15		
	d) 6" (150 mm) i/d	Per Rft.		2,899.65	Per Meter		9,510.80		
	e) 8" (200 mm) i/d	Per Rft.		3,285.60	Per Meter		10,776.75		
	f) 10" (250 mm) i/d	Per Rft.		4,600.50	Per Meter		15,089.70		
	g) 12" (300 mm) i/d	Per Rft.		6,333.10	Per Meter		20,772.50		
	h) 14" (350 mm) i/d	Per Rft.		9,647.45	Per Meter		31,643.65		
	i) 16" (350 mm) i/d	Per Rft.		8,648.00	Per Meter		28,365.40		
	j) 18" (450 mm) i/d	Per Rft.		13,917.50	Per Meter		45,649.40		
24	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.							Chap. 2	Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, etc. is included in the rates.
	1) Light Quality								
	a) ½" i/d (15 mm) 2mm thick	Per Rft.	20.35	192.40	Per Meter	66.75	631.05		
	b) ¾" i/d (20 mm) 2.35mm thick	Per Rft.	22.65	271.50	Per Meter	74.25	890.55		
	c) 1" i/d (25 mm) 2.65mm thick	Per Rft.	25.95	381.20	Per Meter	85.15	1,250.40		
	d) 1¼" i/d (32 mm) 2.65mm thick	Per Rft.	26.05	485.55	Per Meter	85.50	1,592.65		
	e) 1½" i/d (40 mm) 2.9mm thick	Per Rft.	26.20	602.50	Per Meter	85.85	1,976.15		
	f) 2" i/d (50 mm) 2.9mm thick	Per Rft.	28.60	758.15	Per Meter	93.80	2,486.65		
	g) 2½" i/d (65 mm) 3.25mm thick	Per Rft.	29.20	1,055.45	Per Meter	95.80	3,461.85		
	h) 3" i/d (75 mm) 3.25mm thick	Per Rft.	33.30	1,240.40	Per Meter	109.25	4,068.45		
	i) 4" i/d (100 mm) 3.65mm thick	Per Rft.	36.05	1,788.00	Per Meter	118.25	5,864.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	2) Medium Quality								
	a) ½" i/d (15 mm) 2.65mm thick	Per Rft.	20.35	234.60	Per Meter	66.75	769.45		i. Cost of sockets, tees, elbow, bends, valves, crosses, unions and plugs etc is included in the rates except for internal G.I piping (1"dia, 3/4"dia & 1/2"dia) for Bath rooms/ Lavoratory. ii. For internal G.I piping (1"dia, 3/4"dia & Bath room(s)/ Lavoratory of rate (composite) shall be reduced by 8% and specials mentioned above may be paid at the rates placed on website as per actual quantity used.
	b) ¾" i/d (20 mm) 2.65mm thick	Per Rft.	22.65	300.70	Per Meter	74.25	986.30		
	c) 1" i/d (25 mm) 3.25mm thick	Per Rft.	25.95	452.35	Per Meter	85.15	1,483.70		
	d) 1¼" i/d (32 mm) 3.25mm thick	Per Rft.	26.05	576.10	Per Meter	85.50	1,889.65		
	e) 1½" i/d (40 mm) 3.25mm thick	Per Rft.	26.40	659.70	Per Meter	86.55	2,163.75		
	f) 2" i/d (50 mm) 3.65mm thick	Per Rft.	28.60	919.30	Per Meter	93.80	3,015.25		
	g) 2½" i/d (65 mm) 3.65mm thick	Per Rft.	29.20	1,168.30	Per Meter	95.80	3,832.00		
	h) 3" i/d (75 mm) 4.05mm thick	Per Rft.	33.30	1,504.55	Per Meter	109.25	4,934.95		
	i) 4" i/d (100 mm) 4.5mm thick	Per Rft.	36.05	2,110.75	Per Meter	118.25	6,923.20		
	j) 5" i/d (150 mm) 4.85mm thick	Per Rft.	41.45	2,905.35	Per Meter	136.00	9,529.50		
	k) 6" i/d (200 mm) 4.85mm thick	Per Rft.	42.00	3,312.70	Per Meter	137.80	10,865.60		
	3) Heavy Quality								
	a) ½" i/d (15 mm) 3.25mm thick	Per Rft.	20.35	280.70	Per Meter	66.80	920.70		
	b) ¾" i/d (20 mm) 3.25mm thick	Per Rft.	22.65	357.55	Per Meter	74.25	1,172.85		
	c) 1" i/d (25 mm) 4.05mm thick	Per Rft.	25.95	550.75	Per Meter	85.15	1,806.40		
	d) 1¼" i/d (32 mm) 4.05mm thick	Per Rft.	26.05	708.15	Per Meter	85.50	2,322.65		
	e) 1½" i/d (40 mm) 4.05mm thick	Per Rft.	26.40	814.20	Per Meter	86.55	2,670.65		
	f) 2" i/d (50 mm) 4.5mm thick	Per Rft.	28.60	1,114.75	Per Meter	93.80	3,656.40		
	g) 2½" i/d (65 mm) 4.5mm thick	Per Rft.	29.20	1,423.15	Per Meter	95.80	4,668.00		
	h) 3" i/d (75 mm) 4.85mm thick	Per Rft.	33.30	1,854.40	Per Meter	109.25	6,082.45		
	i) 4" i/d (100 mm) 5.4mm thick	Per Rft.	36.05	2,582.60	Per Meter	118.25	8,471.00		
	j) 5" i/d (125 mm) 5.4mm thick	Per Rft.	41.45	3,181.95	Per Meter	136.00	10,436.85		
	k) 6" i/d (150 mm) 5.4mm thick	Per Rft.	42.00	3,834.75	Per Meter	137.80	12,577.95		
25	Providing, laying, cutting, jointing, testing and disinfecting Asbestos Cement / Fibre Cement pipe line in trenches, with comet joint and rubber ring, complete in all respects:-							PS 428 & ISO 160	Providing and installing specials and valves is not included in the rate, which is payable separately.
	1) B Class Working Pressure								
	a) 3" i/d (75 mm)	Per Rft.	38.15	274.60	Per Meter	125.10	900.75		
	b) 4" i/d (100 mm)	Per Rft.	40.45	352.90	Per Meter	132.75	1,157.50		
	c) 6" i/d (150 mm)	Per Rft.	55.70	555.55	Per Meter	182.65	1,822.25		
	d) 8" i/d (200 mm)	Per Rft.	76.85	921.00	Per Meter	252.05	3,020.80		
	e) 10" i/d (250 mm)	Per Rft.	100.30	1,251.95	Per Meter	329.00	4,106.35		
	f) 12" i/d (300 mm)	Per Rft.	127.80	1,651.85	Per Meter	419.15	5,418.00		
	g) 14" i/d (350 mm)	Per Rft.	148.15	2,358.10	Per Meter	486.00	7,734.60		
	h) 16" i/d (400 mm)	Per Rft.	167.50	2,981.30	Per Meter	549.40	9,778.70		
	i) 18" i/d (450 mm)	Per Rft.	197.75	3,709.90	Per Meter	648.55	12,168.40		
	j) 20" i/d (500 mm)	Per Rft.	232.65	4,557.70	Per Meter	763.05	14,949.30		
	k) 24" i/d (600 mm)	Per Rft.	279.30	6,263.25	Per Meter	916.20	20,543.45		
	l) 28" i/d (700 mm)	Per Rft.	296.05	9,957.20	Per Meter	971.00	32,659.60		
	m) 32" i/d (800 mm)	Per Rft.	320.65	11,382.40	Per Meter	1,051.75	37,334.30		
	n) 40" i/d (1000 mm)	Per Rft.	351.90	17,488.70	Per Meter	1,154.25	57,362.95		
	2) C Class Working Pressure							PS 428 & ISO 160	
	a) 3" i/d (75 mm)	Per Rft.	38.15	274.60	Per Meter	125.10	900.75		
	b) 4" i/d (100 mm)	Per Rft.	40.45	384.75	Per Meter	132.75	1,261.90		
	c) 6" i/d (150 mm)	Per Rft.	55.70	657.15	Per Meter	182.65	2,155.45		
	d) 8" i/d (200 mm)	Per Rft.	76.85	1,032.35	Per Meter	252.05	3,386.15		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	e) 10" i/d (250 mm)	Per Rft.	100.30	1,436.75	Per Meter	329.00	4,712.55		
	f) 12" i/d (300 mm)	Per Rft.	127.80	1,993.35	Per Meter	419.15	6,538.15		
	g) 14" i/d (350 mm)	Per Rft.	148.15	3,393.60	Per Meter	486.00	11,131.05		
	h) 16" i/d (400 mm)	Per Rft.	167.50	4,324.05	Per Meter	549.40	14,182.85		
	i) 18" i/d (450 mm)	Per Rft.	197.75	5,299.85	Per Meter	648.55	17,383.55		
	j) 20" i/d (500 mm)	Per Rft.	232.65	6,306.80	Per Meter	763.05	20,686.30		
	k) 24" i/d (600 mm)	Per Rft.	283.15	8,854.65	Per Meter	928.80	29,043.20		
	3) D Class Working Pressure							PS 428 & ISO 160	
	a) 3" i/d (75 mm)	Per Rft.	38.15	274.60	Per Meter	125.10	900.75		
	b) 4" i/d (100 mm)	Per Rft.	40.45	384.75	Per Meter	132.75	1,261.90		
	c) 6" i/d (150 mm)	Per Rft.	55.70	657.15	Per Meter	182.65	2,155.45		
	d) 8" i/d (200 mm)	Per Rft.	76.85	1,032.35	Per Meter	252.05	3,386.15		
	e) 10" i/d (250 mm)	Per Rft.	100.30	1,436.75	Per Meter	329.00	4,712.55		
	f) 12" i/d (300 mm)	Per Rft.	127.80	1,993.35	Per Meter	419.15	6,538.15		
	g) 14" i/d (350 mm)	Per Rft.	148.15	3,393.60	Per Meter	486.00	11,131.05		
	h) 16" i/d (400 mm)	Per Rft.	167.50	4,324.05	Per Meter	549.40	14,182.85		
	i) 18" i/d (450 mm)	Per Rft.	197.75	5,299.85	Per Meter	648.55	17,383.55		
	j) 20" i/d (500 mm)	Per Rft.	232.65	6,306.80	Per Meter	763.05	20,686.30		
26	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-							PS 3051 BS 3505	Providing and installing specials and valves is not included in the rate, which is payable separately.
	a) 3" i/d (75 mm)	Per Rft.	10.50	343.80	Per Meter	34.50	1,127.70		
	b) 4" i/d (100 mm)	Per Rft.	13.65	514.90	Per Meter	44.80	1,688.85		
	c) 5" i/d (125 mm)	Per Rft.	16.60	717.45	Per Meter	54.35	2,353.20		
	d) 6" i/d (150 mm)	Per Rft.	17.05	982.65	Per Meter	55.90	3,223.15		
	e) 8" i/d (200 mm)	Per Rft.	24.25	1,515.95	Per Meter	79.50	4,972.25		
	f) 10" i/d (250 mm)	Per Rft.	32.85	2,393.35	Per Meter	107.70	7,850.10		
	h) 12" i/d (300 mm)	Per Rft.	40.85	3,344.65	Per Meter	133.95	10,970.45		
	g) 14" i/d (350 mm)	Per Rft.	53.45	4,023.00	Per Meter	175.30	13,195.45		
27	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with PVC/ uPVC pipes of B.S.S. with 'D' Class working pressure complete in all respects:-							Chap 2	Providing and installing specials and valves is not included in the rate, which is payable separately.
	a) 2" i/d (50 mm)	Per Rft.	9.20	245.70	Per Meter	30.25	805.90		
	b) 3" i/d (75 mm)	Per Rft.	11.30	528.80	Per Meter	37.05	1,734.50		
	c) 4" i/d (100 mm)	Per Rft.	14.55	882.45	Per Meter	47.65	2,894.50		
	d) 5" i/d (125 mm)	Per Rft.	17.75	1,297.85	Per Meter	58.30	4,256.90		
	e) 6" i/d (150 mm)	Per Rft.	18.45	1,894.00	Per Meter	60.50	6,212.25		
28	Providing and fixing cast iron special of B.S.S. Class 'B' (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:-							9.1	i) Labour rates include the cost of jointing material & labour. ii) The internal dia of the pipe, from which the branch is taken out will be considered the internal dia for the purpose of payments of specials.
	a) C.I.S.S. Specials, with spigot. and socket joint:-								
	i) 3" to 6" (75 to 150 mm) i/d	Per Kg.	38.35	482.35	Per Kg	38.35	482.35		
	ii) 8" to 12" (200 to 300 mm) i/d	Per Kg.	33.80	477.80	Per Kg	33.80	477.80		
	iii) 15" to 18" (375 to 450 mm) i/d	Per Kg.	30.65	474.65	Per Kg	30.65	474.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
29	b) C.I. flanged specials, with flanged and flanged joints:-							9.1	1) Labour rates include the cost of jointing material and labour. 2) The internal dia of the pipe, from which the branch is taken out, will be considered the internal dia for the purpose of payment.
	i) 3" to 6" (75 to 150 mm) i/d	Per Kg	29.50	473.50	Per Kg	29.50	473.50		
	ii) 8" to 12" (200 to 300 mm) i/d	Per Kg	22.95	466.95	Per Kg	22.95	466.95		
	iii) 15" to 18" (375 to 450 mm) i/d	Per Kg	23.15	467.15	Per Kg	23.15	467.15		
	c) C.I. Specials, with tyton joints:-								
	i) 3" to 6" (75 to 150 mm) i/d	Per Kg	27.50	471.50	Per Kg	27.50	471.50		
	ii) 8" to 12" (200 to 300 mm) i/d	Per Kg	22.75	466.75	Per Kg	22.75	466.75		
	iii) 15" to 18" (375 to 450 mm) i/d	Per Kg	19.50	463.50	Per Kg	19.50	463.50		
	Providing and fixing cast iron specials of B.S.S. Class 'B' (such as bend, tee, cross collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch, plug, etc) for Asbestos cement pipe line, with comet joint and rubber ring, complete.								
	i) 3" to 6" (75 to 150 mm) i/d	Per Kg	23.05	467.05	Per Kg	23.05	467.05		
	ii) 8" to 18" (200 to 450 mm) i/d	Per Kg	18.75	462.75	Per Kg	18.75	462.75		
	iii) 20" to 24" (500 to 600 mm) i/d	Per Kg	16.15	475.75	Per Kg	16.15	475.75		
30	Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):-							9.1	Labour rates include cost of jointing material and labour.
	a) 3" i/d (75 mm)	Each	2,423.50	19,069.90	Each	2,423.50	19,069.90		
	b) 4" i/d (100 mm)	Each	2,637.35	22,833.35	Each	2,637.35	22,833.35		
	c) 5" i/d (125 mm)	Each	4,747.25	29,227.25	Each	4,747.25	29,227.25		
	d) 6" i/d (150 mm)	Each	5,060.90	38,720.90	Each	5,060.90	38,720.90		
	e) 8" i/d (200 mm)	Each	5,909.10	64,661.10	Each	5,909.10	64,661.10		
	f) 10" i/d (250 mm)	Each	9,681.20	83,121.20	Each	9,681.20	83,121.20		
	g) 12" i/d (300 mm)	Each	10,879.10	102,679.10	Each	10,879.10	102,679.10		
	h) 16" i/d (400 mm)	Each	14,429.25	155,189.25	Each	14,429.25	155,189.25		
	i) 18" i/d (450 mm)	Each	16,607.25	243,047.25	Each	16,607.25	243,047.25		
31	Providing and fixing, sluice valve of B.S.S. quality and weight, for Asbestos cement pipe line, with comet joint and rubber ring, complete (including cost of jointing materials):-							9.1	Labour rates include cost of jointing material and labour.
	a) 3" i/d (75 mm)	Each	1,109.50	11,635.90	Each	1,109.50	11,635.90		
	b) 4" i/d (100 mm)	Each	1,339.25	13,334.45	Each	1,339.25	13,334.45		
	c) 6" i/d (150 mm)	Each	1,606.70	21,190.70	Each	1,606.70	21,190.70		
	d) 8" i/d (200 mm)	Each	2,493.25	38,723.65	Each	2,493.25	38,723.65		
	e) 10" i/d (250 mm)	Each	3,210.95	51,558.95	Each	3,210.95	51,558.95		
	f) 12" i/d (300 mm)	Each	3,917.45	63,648.65	Each	3,917.45	63,648.65		
	g) 16" i/d (400 mm)	Each	4,539.25	121,553.65	Each	4,539.25	121,553.65		
	h) 18" i/d (450 mm)	Each	5,454.10	200,070.10	Each	5,454.10	200,070.10		
32	Supply, installation, testing, and commissioning of Garden/fire Hydrants made by Haseen Habib / Teepu Engineering or approved equivalent manufacturer, according to B.S.S. 750 standard double delivery type having 4" dia barrel with 2 Nos. 2-1/2" valve including the cost of jointing material with all fittings and accessories complete in all respect as approved by the Engineer Incharge.	Each	4,257.00	68,700.60	Each	4,257.00	68,700.60		Labour rate includes cost of jointing material.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
33	Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material).							9.1	
	a) single	Each	316.65	6,436.65	Each	316.65	6,436.65		
	b) double	Each	316.65	14,392.65	Each	316.65	14,392.65		
34	Providing and fitting C.I. flanges on pipes, including turning, threading, facing and fitting, etc. complete in all respects:-							9.1	
	a) 3" to 6" (75 to 150 mm) i/d	Per Kg	101.00	247.30	Per Kg	101.00	247.30		
	b) 8" to 12" (200 to 300 mm) i/d	Per Kg	63.85	210.15	Per Kg	63.85	210.15		
	c) 15" to 18" (375 to 450 mm) i/d	Per Kg	53.90	200.25	Per Kg	53.90	200.25		
35	Cutting C.I. pipe, and welding spigot or socket, flanged or tyton end, after finishing ends of pipes:								
	a) 3" to 6" (75 to 150 mm) i/d	Per Inch i/d of pipe		159.55	Per cm i/d of pipe		63.85		
	b) 8" to 12" (200 to 300 mm) i/d	ditto		202.65	ditto		81.05		
	c) 15" to 18" (375 to 450 mm) i/d	ditto		185.50	ditto		74.20		
36	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with flanged joints, using G.I. pipe of B.S.S. 1387/1985 complete in all respects, including specials and valves:-								Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, etc. is included in the rates.
	i) Heavy Quality								
	a) 1½" i/d (40 mm)	Per Rft.	44.40	832.25	Per Meter	145.65	2,729.75		
	b) 2" i/d (50 mm)	Per Rft.	44.40	1,130.55	Per Meter	145.65	3,708.25		
	c) 2½" i/d (65 mm)	Per Rft.	45.65	1,439.65	Per Meter	149.80	4,722.05		
	d) 3" i/d (75 mm)	Per Rft.	50.65	1,871.75	Per Meter	166.15	6,139.40		
	e) 4" i/d (100 mm)	Per Rft.	65.10	2,611.70	Per Meter	213.55	8,566.30		
	f) 6" i/d (150 mm)	Per Rft.	72.30	3,212.80	Per Meter	237.10	10,537.90		
	g) 8" i/d (200 mm)	Per Rft.	72.30	3,865.05	Per Meter	237.20	12,677.30		
	ii) Medium Quality								
	a) 1½" i/d (40 mm)	Per Rft.	40.60	746.75	Per Meter	133.15	2,449.35		
	b) 2" i/d (50 mm)	Per Rft.	40.60	1,033.75	Per Meter	133.15	3,390.65		
	c) 2½" i/d (65 mm)	Per Rft.	41.85	1,312.00	Per Meter	137.30	4,303.35		
	d) 3" i/d (75 mm)	Per Rft.	42.05	1,682.60	Per Meter	137.95	5,518.90		
	e) 4" i/d (100 mm)	Per Rft.	50.80	2,364.15	Per Meter	166.60	7,754.40		
	f) 6" i/d (150 mm)	Per Rft.	59.40	3,252.75	Per Meter	194.80	10,669.00		
	g) 8" i/d (200 mm)	Per Rft.	59.40	3,706.35	Per Meter	194.90	12,156.85		
37	Providing and installing P.V.C. bends, of B.S.S.								
	i) Class 'B' working pressure:-								
	a) 3" i/d (75 mm)	Each	245.85	521.25	Each	245.85	521.25		
	b) 4" i/d (100 mm)	Each	274.40	849.70	Each	274.40	849.70		
	c) 5" i/d (125 mm)	Each	343.05	1,567.05	Each	343.05	1,567.05		
	d) 6" i/d (150 mm)	Each	352.20	2,004.60	Each	352.20	2,004.60		
	ii) Class 'D' working pressure:-								
	a) 1¼" i/d (30 mm)	Each	171.30	238.60	Each	171.30	238.60		
	b) 1½" i/d (40 mm)	Each	180.95	260.50	Each	180.95	260.50		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
38	c) 2" i/d (50 mm)	Each	191.95	351.05	Each	191.95	351.05		
	d) 3" i/d (75 mm)	Each	245.85	686.50	Each	245.85	686.50		
	e) 4" i/d (100 mm)	Each	274.40	1,253.60	Each	274.40	1,253.60		
	f) 5" i/d (125 mm)	Each	343.05	2,423.85	Each	343.05	2,423.85		
	g) 6" i/d (150 mm)	Each	352.20	3,412.20	Each	352.20	3,412.20		
	Providing and installing P.V.C. tees, of B.S.S.								
	i) Class `B' working pressure:-								
	a) 3" i/d (80 mm)	Each	368.80	1,286.80	Each	368.80	1,286.80		
	b) 4" i/d (100 mm)	Each	415.85	2,374.25	Each	415.85	2,374.25		
	c) 5" i/d (125 mm)	Each	508.30	4,425.10	Each	508.30	4,425.10		
	d) 6" i/d (150 mm)	Each	528.30	4,567.50	Each	528.30	4,567.50		
	ii) Class `D' working pressure:-								
	a) 1¼" i/d (30 mm)	Each	260.40	566.40	Each	260.40	566.40		
	b) 1½" i/d (40 mm)	Each	272.10	602.60	Each	272.10	602.60		
	c) 2" i/d (50 mm)	Each	286.95	703.10	Each	286.95	703.10		
	d) 3" i/d (75 mm)	Each	368.80	1,286.80	Each	368.80	1,286.80		
	e) 4" i/d (100 mm)	Each	415.85	2,374.25	Each	415.85	2,374.25		
	f) 5" i/d (125 mm)	Each	508.30	4,425.10	Each	508.30	4,425.10		
	g) 6" i/d (150 mm)	Each	528.30	4,628.70	Each	528.30	4,628.70		
39	Providing and installing P.V.C. sockets, B.S.S.								
	i) Class `B' working pressure:-								
	a) 3" i/d (75 mm)	Each	163.75	347.35	Each	163.75	347.35		
	b) 4" i/d (100 mm)	Each	192.30	522.80	Each	192.30	522.80		
	c) 5" i/d (125 mm)	Each	240.35	668.75	Each	240.35	668.75		
	d) 6" i/d (150 mm)	Each	249.55	830.95	Each	249.55	830.95		
	e) 8" i/d (200 mm)	Each	357.20	1,703.60	Each	357.20	1,703.60		
	f) 10" i/d (250 mm)	Each	412.30	4,084.30	Each	412.30	4,084.30		
	g) 12" i/d (300 mm)	Each	479.00	7,455.80	Each	479.00	7,455.80		
	h) 14" i/d (350 mm)	Each	531.45	9,711.45	Each	531.45	9,711.45		
	ii) Class `D' working pressure:-								
	a) 1¼" i/d (30 mm)	Each	102.85	145.70	Each	102.85	145.70		
	b) 1½" i/d (40 mm)	Each	112.50	177.35	Each	112.50	177.35		
	c) 2" i/d (50 mm)	Each	123.50	225.10	Each	123.50	225.10		
	d) 3" i/d (75 mm)	Each	163.75	494.25	Each	163.75	494.25		
	e) 4" i/d (100 mm)	Each	192.30	767.60	Each	192.30	767.60		
	f) 5" i/d (125 mm)	Each	240.35	1,329.70	Each	240.35	1,329.70		
	g) 6" i/d (150 mm)	Each	249.55	2,085.55	Each	249.55	2,085.55		
40	Providing and installing P.V.C. Tapered core, B.S.S.								
	i) Class `B' working pressure:-								
	a) 3" i/d (75 mm)	Each	245.85	337.65	Each	245.85	337.65		
	b) 4" i/d (100 mm)	Each	274.40	390.70	Each	274.40	390.70		
	c) 5" i/d (125 mm)	Each	343.05	477.70	Each	343.05	477.70		
	d) 6" i/d (150 mm)	Each	352.20	523.55	Each	352.20	523.55		
	e) 8" i/d (200 mm)	Each	494.10	781.75	Each	494.10	781.75		
	f) 10" i/d (250 mm)	Each	549.15	916.35	Each	549.15	916.35		
	g) 12" i/d (300 mm)	Each	643.25	1,071.65	Each	643.25	1,071.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
41	h) 14" i/d (350 mm)	Each	695.70	1,246.50	Each	695.70	1,246.50		The rate includes the component of bailing out water from the trench and cutting of existing pipe line.
	ii) Class 'D' working pressure:-								
	a) 1¼" i/d (30 mm)	Each	171.30	214.15	Each	171.30	214.15		
	b) 1½" i/d (40 mm)	Each	180.95	242.15	Each	180.95	242.15		
	c) 2" i/d (50 mm)	Each	191.95	271.50	Each	191.95	271.50		
	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc.								
	Diameter of running main:								
	i) upto 6" i/d (150 mm)	Per Connection	4,356.00		Per Connection	4,356.00			
	ii) upto 8" i/d (200 mm)	ditto	5,484.60		ditto	5,484.60			
	iii) upto 10" i/d (250 mm)	ction	7,771.50		ction	7,771.50			
42	iv) upto 12" i/d (300 mm)	ditto	10,593.00		ditto	10,593.00			
	v) upto 16" i/d (400 mm)	ditto	13,021.00		ditto	13,021.00			
	vi) upto 20" i/d (500 mm)	ditto	16,830.00		ditto	16,830.00			
	vii) upto 24" i/d (600 mm)	ditto	20,245.50		ditto	20,245.50			
	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ IIL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.								
	a) PN-6 (SDR-26)								
	1 90 mm	Per Rft	9.70	247.75	Per Meter	26.45	812.85		
	2 110 mm	Per Rft	11.55	361.20	Per Meter	31.65	1,185.20		
	3 125 mm	Per Rft	14.25	464.65	Per Meter	39.00	1,524.50		
	4 160 mm	Per Rft	15.85	762.55	Per Meter	43.30	2,501.90		
	5 180 mm	Per Rft	18.35	948.25	Per Meter	50.15	3,111.15		
	6 200 mm	Per Rft	20.60	1,174.10	Per Meter	56.35	3,852.20		
	7 225 mm	Per Rft	24.65	1,478.25	Per Meter	67.40	4,850.05		
	8 250 mm	Per Rft	30.90	1,832.30	Per Meter	84.40	6,011.75		
	9 315 mm	Per Rft	53.15	2,913.10	Per Meter	145.35	9,557.90		
	10 355 mm	Per Rft	58.00	3,675.20	Per Meter	158.60	12,058.35		
	11 400 mm	Per Rft	64.55	4,655.20	Per Meter	176.45	15,273.70		
	12 450 mm	Per Rft	68.20	5,886.45	Per Meter	186.50	19,313.40		
	13 500 mm	Per Rft	75.05	7,264.10	Per Meter	205.20	23,833.45		
	14 560 mm	Per Rft	90.35	9,129.30	Per Meter	247.00	29,953.30		
	15 630 mm	Per Rft	94.60	11,527.40	Per Meter	258.65	37,821.40		
	16 710 mm	Per Rft	117.50	14,708.20	Per Meter	321.35	48,257.55		
	17 800 mm	Per Rft	122.55	18,566.55	Per Meter	335.10	60,916.85		
	18 900 mm	Per Rft	179.90	23,704.40	Per Meter	491.85	77,774.10		
	19 1000 mm	Per Rft	187.45	29,050.70	Per Meter	512.45	95,315.35		
	b) PN-8 (SDR-21)								
	1 25 mm	Per Rft	6.25	36.80	Per Meter	17.05	120.80		
	2 32 mm	Per Rft	7.15	50.95	Per Meter	19.55	167.20		
	3 40 mm	Per Rft	7.65	67.00	Per Meter	20.95	219.75		
	4 50 mm	Per Rft	7.90	98.15	Per Meter	21.60	322.05		
	5 63 mm	Per Rft	8.45	148.95	Per Meter	23.05	488.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
6	75 mm	Per Rft	9.10	210.60	Per Meter	24.85	691.00		
7	90 mm	Per Rft	10.35	299.70	Per Meter	28.35	983.25		
8	110 mm	Per Rft	13.90	449.55	Per Meter	38.05	1,475.05		
9	125 mm	Per Rft	15.15	572.00	Per Meter	41.40	1,876.70		
10	160 mm	Per Rft	16.55	932.55	Per Meter	45.20	3,059.65		
11	180 mm	Per Rft	21.05	1,172.10	Per Meter	57.55	3,845.65		
12	200 mm	Per Rft	23.10	1,449.95	Per Meter	63.15	4,757.35		
13	225 mm	Per Rft	25.80	1,830.45	Per Meter	70.60	6,005.75		
14	250 mm	Per Rft	33.60	2,241.70	Per Meter	91.80	7,355.00		
15	315 mm	Per Rft	55.35	3,554.60	Per Meter	151.40	11,662.70		
16	355 mm	Per Rft	60.10	4,504.90	Per Meter	164.30	14,780.65		
17	400 mm	Per Rft	66.35	5,736.40	Per Meter	181.45	18,821.10		
18	450 mm	Per Rft	72.50	7,252.30	Per Meter	198.15	23,794.85		
19	500 mm	Per Rft	79.30	8,949.65	Per Meter	216.85	29,363.75		
20	560 mm	Per Rft	94.60	11,224.35	Per Meter	258.65	36,827.15		
21	630 mm	Per Rft	99.65	14,139.00	Per Meter	272.40	46,390.00		
22	710 mm	Per Rft	122.55	18,061.85	Per Meter	335.10	59,260.95		
23	800 mm	Per Rft	128.60	22,831.70	Per Meter	351.60	74,910.90		
24	900 mm	Per Rft	185.95	29,017.00	Per Meter	508.35	95,204.85		
25	1000 mm	Per Rft	195.00	35,793.45	Per Meter	533.10	117,438.25		
c) PN-10 (SDR-17)									
1	25 mm	Per Rft	6.95	40.20	Per Meter	19.05	131.95		
2	32 mm	Per Rft	7.65	54.25	Per Meter	20.95	177.90		
3	40 mm	Per Rft	8.30	73.20	Per Meter	22.65	240.20		
4	50 mm	Per Rft	8.60	109.10	Per Meter	23.50	358.00		
5	63 mm	Per Rft	9.25	169.10	Per Meter	25.35	554.80		
6	75 mm	Per Rft	10.15	237.15	Per Meter	27.70	778.05		
7	90 mm	Per Rft	11.85	338.90	Per Meter	32.45	1,111.95		
8	110 mm	Per Rft	15.10	502.75	Per Meter	41.25	1,649.45		
9	125 mm	Per Rft	16.10	638.35	Per Meter	43.95	2,094.45		
10	160 mm	Per Rft	18.25	1,038.75	Per Meter	49.90	3,408.10		
11	180 mm	Per Rft	21.80	1,313.20	Per Meter	59.65	4,308.65		
12	200 mm	Per Rft	26.15	1,619.00	Per Meter	71.55	5,312.00		
13	225 mm	Per Rft	28.20	2,050.60	Per Meter	77.15	6,727.95		
14	250 mm	Per Rft	35.15	2,513.65	Per Meter	96.15	8,247.25		
15	315 mm	Per Rft	58.55	3,997.90	Per Meter	160.05	13,117.05		
16	355 mm	Per Rft	63.75	5,079.60	Per Meter	174.30	16,666.15		
17	400 mm	Per Rft	70.60	6,411.45	Per Meter	193.10	21,035.95		
18	450 mm	Per Rft	77.50	8,120.60	Per Meter	211.95	26,643.75		
19	500 mm	Per Rft	90.40	10,040.55	Per Meter	247.10	32,943.05		
20	560 mm	Per Rft	105.65	12,598.15	Per Meter	288.90	41,334.55		
21	630 mm	Per Rft	113.05	15,914.85	Per Meter	309.10	52,216.70		
22	710 mm	Per Rft	136.00	20,255.50	Per Meter	371.80	66,458.35		
23	800 mm	Per Rft	145.20	25,621.10	Per Meter	397.05	84,062.80		
24	900 mm	Per Rft	214.40	32,544.40	Per Meter	586.25	106,778.20		
25	1000 mm	Per Rft	232.75	40,168.25	Per Meter	636.35	131,792.00		
d) PN-12.5 (SDR-13.6)									
1	25 mm	Per Rft	7.25	42.75	Per Meter	19.80	140.35		
2	32 mm	Per Rft	8.15	63.75	Per Meter	22.30	209.10		
3	40 mm	Per Rft	8.45	95.90	Per Meter	23.05	314.60		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
4	50 mm	Per Rft	8.75	142.30	Per Meter	23.90	466.95		
5	63 mm	Per Rft	9.70	223.00	Per Meter	26.45	731.60		
6	75 mm	Per Rft	10.40	313.05	Per Meter	28.35	1,027.15		
7	90 mm	Per Rft	12.25	446.15	Per Meter	33.45	1,463.75		
8	110 mm	Per Rft	16.00	663.80	Per Meter	43.80	2,177.95		
9	125 mm	Per Rft	17.20	851.60	Per Meter	46.95	2,794.15		
10	160 mm	Per Rft	18.95	1,378.15	Per Meter	51.75	4,521.70		
11	180 mm	Per Rft	22.65	1,753.60	Per Meter	61.95	5,753.50		
12	200 mm	Per Rft	27.45	2,150.05	Per Meter	75.00	7,054.25		
13	225 mm	Per Rft	29.65	2,725.95	Per Meter	81.05	8,943.80		
14	250 mm	Per Rft	36.95	3,357.55	Per Meter	101.05	11,016.15		
15	315 mm	Per Rft	62.20	5,318.95	Per Meter	170.05	17,451.50		
16	355 mm	Per Rft	68.00	6,734.75	Per Meter	185.95	22,096.70		
17	400 mm	Per Rft	75.65	8,532.40	Per Meter	206.85	27,994.85		
18	450 mm	Per Rft	83.55	10,804.75	Per Meter	228.45	35,450.45		
19	500 mm	Per Rft	97.75	13,338.05	Per Meter	267.30	43,762.15		
20	560 mm	Per Rft	113.05	16,742.90	Per Meter	309.10	54,933.45		
21	630 mm	Per Rft	122.30	21,135.55	Per Meter	334.35	69,345.75		
22	710 mm	Per Rft	145.20	26,920.05	Per Meter	397.05	88,324.75		
23	800 mm	Per Rft	172.90	34,128.10	Per Meter	472.80	111,974.30		
24	900 mm	Per Rft	230.25	43,320.65	Per Meter	629.55	142,135.05		
25	1000 mm	Per Rft	255.40	52,712.95	Per Meter	698.30	172,951.25		
e) PN-16 (SDR-11)									
1	25 mm	Per Rft	7.25	48.10	Per Meter	19.80	157.75		
2	32 mm	Per Rft	8.45	75.65	Per Meter	23.10	248.20		
3	40 mm	Per Rft	9.75	114.00	Per Meter	26.65	374.05		
4	50 mm	Per Rft	10.95	173.15	Per Meter	29.95	568.05		
5	63 mm	Per Rft	12.15	269.20	Per Meter	33.25	883.20		
6	75 mm	Per Rft	13.35	372.80	Per Meter	36.55	1,223.10		
7	90 mm	Per Rft	14.55	536.00	Per Meter	39.85	1,758.70		
8	110 mm	Per Rft	16.55	791.95	Per Meter	45.25	2,598.40		
9	125 mm	Per Rft	17.80	1,023.95	Per Meter	48.65	3,359.55		
10	160 mm	Per Rft	19.70	1,667.30	Per Meter	53.80	5,470.50		
11	180 mm	Per Rft	23.55	2,106.30	Per Meter	64.45	6,910.75		
12	200 mm	Per Rft	28.85	2,597.60	Per Meter	78.90	8,522.70		
13	225 mm	Per Rft	31.25	3,284.35	Per Meter	85.45	10,776.00		
14	250 mm	Per Rft	39.00	4,039.80	Per Meter	106.70	13,254.60		
15	315 mm	Per Rft	66.45	6,411.55	Per Meter	181.70	21,036.30		
16	355 mm	Per Rft	73.05	8,129.60	Per Meter	199.70	26,673.15		
17	400 mm	Per Rft	81.70	10,312.50	Per Meter	223.35	33,835.35		
18	450 mm	Per Rft	90.95	13,055.50	Per Meter	248.65	42,835.15		
19	500 mm	Per Rft	107.00	16,115.40	Per Meter	292.55	52,874.65		
20	560 mm	Per Rft	122.30	20,206.15	Per Meter	334.35	66,296.30		
21	630 mm	Per Rft	134.15	25,560.35	Per Meter	366.80	83,863.45		
22	710 mm	Per Rft	157.10	32,546.15	Per Meter	429.50	106,783.95		
f) PN-20 (SDR-9)									
i)	90 mm	Per Rft	16.55	645.00	Per Meter	45.20	2,116.25		
ii)	110 mm	Per Rft	17.65	951.10	Per Meter	48.20	3,120.50		
iii)	125 mm	Per Rft	18.30	1,225.65	Per Meter	50.05	4,021.30		
iv)	160 mm	Per Rft	19.80	1,988.95	Per Meter	54.15	6,525.80		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	v) 180 mm	Per Rft	25.70	2,516.60	Per Meter	70.35	8,256.95		
	vi) 200 mm	Per Rft	30.45	3,110.95	Per Meter	83.30	10,206.95		
	vii) 225 mm	Per Rft	33.10	3,934.00	Per Meter	90.45	12,907.40		
	viii) 250 mm	Per Rft	44.15	4,837.80	Per Meter	120.75	15,872.85		
	ix) 315 mm	Per Rft	77.55	7,695.85	Per Meter	211.95	25,250.10		
	x) 355 mm	Per Rft	86.45	9,764.15	Per Meter	236.45	32,036.25		
	xi) 400 mm	Per Rft	89.10	12,369.20	Per Meter	243.55	40,583.40		
	xii) 450 mm	Per Rft	100.15	15,658.10	Per Meter	273.90	51,374.15		
	xiii) 500 mm	Per Rft	118.85	19,300.95	Per Meter	325.00	63,326.45		
	xiv) 560 mm	Per Rft	134.15	24,230.40	Per Meter	366.80	79,499.90		
	xv) 630 mm	Per Rft	150.00	40,473.90	Per Meter	410.10	132,794.80		
	xvi) 710 mm	Per Rft	172.90	51,112.25	Per Meter	472.80	167,699.30		
43	Providing & mixing bentonite clay / powder have swelling factor of 1200% for lining / seal and plug earthen bore holes / ponds in the specified ratio conforming to IS:6186 for stabilization of soil as specified by the designer etc complete in all respect.	Per Pound	5.40	11.90	Per Kg.	33.70	74.30		
44	P/F Ejector Pump of specified Suction and Delivery heads, coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.								
	i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head	Each	2,128.50	16,832.10	Each	2,128.50	16,832.10		
	ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38 M delivery head	Each	2,128.50	22,832.10	Each	2,128.50	22,832.10		
45	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.								
	i) 1/2" dia	Each	475.20	1,171.20	Each	475.20	1,171.20		
	ii) 3/4" dia	Each	475.20	1,435.20	Each	475.20	1,435.20		
	iii) 1" dia	Each	475.20	1,855.20	Each	475.20	1,855.20		
	iv) 1-1/4" dia	Each	475.20	1,975.20	Each	475.20	1,975.20		
	v) 1-1/2" dia	Each	475.20	2,215.20	Each	475.20	2,215.20		
	vi) 2" dia	Each	475.20	2,395.20	Each	475.20	2,395.20		
	vii) 2-1/2" dia	Each	475.20	2,755.20	Each	475.20	2,755.20		
46	Providing and fixing heavy duty brass Pressure reducing valve of specified diameter and material for pressure rating PN -16 made of Crane (USA), Hatersly (UK), Scon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges, nut / bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) 1/2" dia, Threaded valves	Each	967.50	16,221.90	Each	967.50	16,221.90		
	ii) 3/4" dia, Threaded valves	Each	967.50	20,797.50	Each	967.50	20,797.50		
	iii) 1" dia, Threaded valves	Each	967.50	23,849.10	Each	967.50	23,849.10		
	iv) 1-1/4" dia, Threaded valves	Each	967.50	43,679.10	Each	967.50	43,679.10		
	v) 1-1/2" dia, Threaded valves	Each	967.50	51,306.30	Each	967.50	51,306.30		
	vi) 2" dia, Threaded valves	Each	967.50	80,289.90	Each	967.50	80,289.90		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	vii) 2-1/2" dia, Flange Ended valves	Each	1,935.00	131,596.20	Each	1,935.00	131,596.20		
	viii) 3" dia, Flange Ended valves	Each	1,935.00	169,732.20	Each	1,935.00	169,732.20		
	ix) 4" dia, Flange Ended valves	Each	1,935.00	215,494.20	Each	1,935.00	215,494.20		
	x) 6" dia, Flange Ended valves	Each	3,870.00	247,938.00	Each	3,870.00	247,938.00		
	xi) 8" dia, Flange Ended valves	Each	3,870.00	369,972.00	Each	3,870.00	369,972.00		
	xii) 10" dia, Flange Ended valves	Each	3,870.00	598,785.60	Each	3,870.00	598,785.60		
47	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or approved equivalent manufacturer, with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).								
	a) PN-16 pipe								
	(i) 20 mm	Per Rft	10.30	62.95	Per Meter	33.85	206.50		
	(ii) 25 mm	Per Rft	10.30	87.10	Per Meter	33.85	285.65		
	(iii) 32 mm	Per Rft	11.85	132.20	Per Meter	38.80	433.60		
	(iv) 40 mm	Per Rft	11.90	195.95	Per Meter	38.95	642.80		
	(v) 50 mm	Per Rft	11.95	307.80	Per Meter	39.15	1,009.55		
	(vi) 63 mm	Per Rft	12.00	475.50	Per Meter	39.35	1,559.65		
	(vii) 75 mm	Per Rft	12.25	758.95	Per Meter	40.15	2,489.30		
	(viii) 90 mm	Per Rft	13.85	1,133.15	Per Meter	45.45	3,716.80		
	(ix) 110 mm	Per Rft	15.25	1,682.35	Per Meter	50.00	5,518.10		
	b) PN-20 pipe								
	(i) 20 mm	Per Rft	10.30	75.35	Per Meter	33.85	247.10		
	(ii) 25 mm	Per Rft	10.30	101.05	Per Meter	33.85	331.40		
	(iii) 32 mm	Per Rft	11.85	161.15	Per Meter	38.80	528.65		
	(iv) 40 mm	Per Rft	11.90	246.55	Per Meter	38.95	808.70		
	(v) 50 mm	Per Rft	11.95	354.75	Per Meter	39.15	1,163.55		
	(vi) 63 mm	Per Rft	12.00	554.40	Per Meter	39.35	1,818.45		
	(vii) 75 mm	Per Rft	12.25	845.75	Per Meter	40.15	2,774.10		
	(viii) 90 mm	Per Rft	13.85	1,219.50	Per Meter	45.45	4,000.05		
	(ix) 110 mm	Per Rft	15.25	1,944.30	Per Meter	50.00	6,377.25		
	c) PN-25 pipe								
	(i) 20 mm	Per Rft	10.30	99.75	Per Meter	33.85	327.20		
	(ii) 25 mm	Per Rft	10.30	134.85	Per Meter	33.85	442.30		
	(iii) 32 mm	Per Rft	11.85	213.40	Per Meter	38.80	699.90		
	(iv) 40 mm	Per Rft	11.90	327.25	Per Meter	38.95	1,073.40		
	(v) 50 mm	Per Rft	11.95	462.00	Per Meter	39.15	1,515.30		
	(vi) 63 mm	Per Rft	12.00	722.30	Per Meter	39.35	2,369.10		
48	Providing, laying, testing and commissioning μ -PVC (Un plasticized Polyvinyl Chloride) Pressure pipe of nominal diameter, conforming to PS-3051/BS-3505, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.								
	a) Class-D								

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(i) 1-1/4"	Per Rft	10.10	159.85	Per Meter	33.05	524.25		
	(ii) 1-1/2"	Per Rft	10.10	181.75	Per Meter	33.05	596.15		
	(iii) 2"	Per Rft	10.10	249.80	Per Meter	33.05	819.30		
	(iv) 3"	Per Rft	10.10	500.30	Per Meter	33.05	1,641.00		
	(v) 4"	Per Rft	10.10	706.75	Per Meter	33.05	2,318.10		
	(vi) 6"	Per Rft	10.10	1,238.65	Per Meter	33.05	4,062.80		
	(vii) 8"	Per Rft	10.10	1,856.85	Per Meter	33.05	6,090.40		
	(viii) 10"	Per Rft	10.10	2,705.80	Per Meter	33.05	8,874.95		
	(ix) 12"	Per Rft	10.10	3,565.00	Per Meter	33.05	11,693.15		
	b) Class-E								
	(i) 1/2"	Per Rft	10.10	87.70	Per Meter	33.05	287.60		
	(ii) 3/4"	Per Rft	10.10	105.40	Per Meter	33.05	345.65		
	(iii) 1"	Per Rft	10.10	150.60	Per Meter	33.05	494.00		
	(iv) 1-1/4"	Per Rft	10.10	203.65	Per Meter	33.05	668.00		
	(v) 1-1/2"	Per Rft	10.10	225.55	Per Meter	33.05	739.90		
	(vi) 2"	Per Rft	10.10	335.15	Per Meter	33.05	1,099.25		
	(vii) 3"	Per Rft	10.10	672.15	Per Meter	33.05	2,204.65		
	(viii) 4"	Per Rft	10.10	953.55	Per Meter	33.05	3,127.65		
	(ix) 6"	Per Rft	10.10	1,799.15	Per Meter	33.05	5,901.25		
	(x) 8"	Per Rft	10.10	2,810.60	Per Meter	33.05	9,218.80		
	(xi) 10"	Per Rft	10.10	4,281.20	Per Meter	33.05	14,042.30		
	(xii) 12"	Per Rft	10.10	5,876.20	Per Meter	33.05	19,273.95		
49	Providing, laying, testing and commissioning of Grade-B,MS Seamless Schedule pipe of nominal diameter, conforming to ASTM-A106, Lontrin/ Hufaz / Pacific baolai or approved equivalent manufacturer, duly welded i/c the cost of specials complete as approved and directed by the Engineer Incharge.								
	Schedule 40								
	i) 1/2"	Per Rft	20.15	306.45	Per Meter	66.10	1,005.20		
	ii) 3/4"	Per Rft	20.15	337.00	Per Meter	66.10	1,105.40		
	iii) 1"	Per Rft	20.15	431.70	Per Meter	66.10	1,416.00		
	iv) 1-1/4"	Per Rft	20.15	549.45	Per Meter	66.10	1,802.25		
	v) 1-1/2"	Per Rft	30.25	694.30	Per Meter	99.15	2,277.30		
	vi) 2"	Per Rft	30.25	921.30	Per Meter	99.15	3,021.90		
	vii) 2-1/2"	Per Rft	30.25	1,387.50	Per Meter	99.15	4,550.95		
	viii) 3"	Per Rft	30.25	1,869.45	Per Meter	99.15	6,131.80		
	ix) 4"	Per Rft	40.30	2,597.00	Per Meter	132.25	8,518.15		
	x) 5"	Per Rft	40.30	3,525.70	Per Meter	132.25	11,564.30		
	xi) 6"	Per Rft	40.30	4,512.70	Per Meter	132.25	14,801.60		
	xii) 8"	Per Rft	50.40	6,648.50	Per Meter	165.30	21,807.00		
	xiii) 10"	Per Rft	50.40	9,075.25	Per Meter	165.30	29,766.90		
	xiv) 12"	Per Rft	50.40	12,407.70	Per Meter	165.30	40,697.25		
	xv) 14"	Per Rft	60.45	16,660.70	Per Meter	198.35	54,647.10		
	xvi) 16"	Per Rft	60.45	21,598.05	Per Meter	198.35	70,841.60		
	xvii) 18"	Per Rft	60.45	27,425.25	Per Meter	198.35	89,954.80		
	xviii) 20"	Per Rft	80.65	31,278.95	Per Meter	264.45	102,595.00		
	xix) 24"	Per Rft	80.65	43,154.55	Per Meter	264.45	141,546.95		
	xx) 30"	Per Rft	80.65	52,530.30	Per Meter	264.45	172,299.30		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
50	Providing and fixing heavy duty Strainer valve of specified diameter and material for pressure rating PN-16 made of Crane (USA), Hatersly (UK), Soon (Pakistan) or approved equivalent manufacturer i/c the cost of all accessories flanges,nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	(a) Brass Threaded Valves								
	(i) 1/2" dia	Each	475.20	2,071.20	Each	475.20	2,071.20		
	(ii) 3/4" dia	Each	475.20	3,448.80	Each	475.20	3,448.80		
	(iii) 1" dia	Each	475.20	3,760.30	Each	475.20	3,760.30		
	(iv) 1-1/4" dia	Each	475.20	4,680.70	Each	475.20	4,680.70		
	(v) 1-1/2" dia	Each	712.80	6,461.75	Each	712.80	6,461.75		
	(vi) 2" dia	Each	712.80	13,732.80	Each	712.80	13,732.80		
	(b) Flange Ended Ductile Iron Valve								
	(vii) 2-1/2" dia	Each	2,376.00	20,872.40	Each	2,376.00	20,872.40		
	(viii) 3" dia	Each	2,376.00	23,810.00	Each	2,376.00	23,810.00		
	(ix) 4" dia	Each	2,376.00	30,467.30	Each	2,376.00	30,467.30		
	(x) 5" dia	Each	2,376.00	39,989.25	Each	2,376.00	39,989.25		
	(xi) 6" dia	Each	2,376.00	59,661.60	Each	2,376.00	59,661.60		
	(xii) 8" dia	Each	2,376.00	89,719.65	Each	2,376.00	89,719.65		
	(xiii) 10" dia	Each	2,376.00	139,041.25	Each	2,376.00	139,041.25		
	(xiv) 12" dia	Each	2,376.00	197,940.10	Each	2,376.00	197,940.10		
	(xv) 14" dia	Each	2,376.00	301,344.85	Each	2,376.00	301,344.85		
51	Providing and fixing heavy duty Globe valve of specified diameter and material for pressure rating PN-16 made of Crane (USA), Hatersly (UK), Soon (Pakistan) or approved equivalent manufacturer, i/c the cost of all accessories flanges,nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	(a) Brass Threaded Valves								
	(i) 1/2" dia	Each	475.20	1,905.35	Each	475.20	1,905.35		
	(ii) 3/4" dia	Each	475.20	3,547.90	Each	475.20	3,547.90		
	(iii) 1" dia	Each	475.20	4,723.20	Each	475.20	4,723.20		
	(iv) 1-1/4" dia	Each	475.20	5,813.50	Each	475.20	5,813.50		
	(v) 1-1/2" dia	Each	712.80	7,877.75	Each	712.80	7,877.75		
	(vi) 2" dia	Each	712.80	14,971.90	Each	712.80	14,971.90		
	(b) Flange Ended Ductile Iron Valve								
	(vii) 2-1/2" dia	Each	712.80	31,456.80	Each	712.80	31,456.80		
	(viii) 3" dia	Each	950.40	40,700.90	Each	950.40	40,700.90		
	(ix) 4" dia	Each	950.40	50,485.45	Each	950.40	50,485.45		
	(x) 5" dia	Each	950.40	70,334.40	Each	950.40	70,334.40		
	(xi) 6" dia	Each	950.40	95,774.40	Each	950.40	95,774.40		
	(xii) 8" dia	Each	1,188.00	154,812.00	Each	1,188.00	154,812.00		
	(xiii) 10" dia	Each	1,188.00	216,132.00	Each	1,188.00	216,132.00		
	(xiv) 12" dia	Each	1,188.00	297,612.00	Each	1,188.00	297,612.00		
	(xv) 14" dia	Each	1,188.00	502,812.00	Each	1,188.00	502,812.00		
	(xvi) 16" dia	Each	1,188.00	640,812.00	Each	1,188.00	640,812.00		
	(xvii) 18" dia	Each	1,188.00	789,612.00	Each	1,188.00	789,612.00		
	(xviii) 20" dia	Each	1,188.00	993,612.00	Each	1,188.00	993,612.00		
	(xix) 24" dia	Each	1,188.00	1,569,612.00	Each	1,188.00	1,569,612.00		
	(xx) 30" dia	Each	1,188.00	2,217,612.00	Each	1,188.00	2,217,612.00		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK									
Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
54	Providing and fixing heavy duty Check valve of specified diameter and material for pressure rating PN-16 made of Crane (USA), Hatersly (UK), Scon (Pakistan) or approved equivalent manufacturer i/c the cost of all accessories flanges,nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	(a) Brass Threaded Valves								
	(i) 1/2" dia	Each	475.20	2,659.20	Each	475.20	2,659.20		
	(ii) 3/4" dia	Each	475.20	3,835.20	Each	475.20	3,835.20		
	(iii) 1" dia	Each	475.20	5,683.20	Each	475.20	5,683.20		
	(iv) 1-1/4" dia	Each	475.20	7,781.76	Each	475.20	7,781.76		
	(v) 1-1/2" dia	Each	712.80	8,897.28	Each	712.80	8,897.28		
	(vi) 2" dia	Each	712.80	16,336.80	Each	712.80	16,336.80		
	(b) Flange Ended Ductile Iron Valve								
	(vii) 2-1/2" dia	Each	712.80	25,444.80	Each	712.80	25,444.80		
	(viii) 3" dia	Each	950.40	28,922.40	Each	950.40	28,922.40		
	(ix) 4" dia	Each	950.40	42,986.40	Each	950.40	42,986.40		
	(x) 5" dia	Each	950.40	52,898.40	Each	950.40	52,898.40		
	(xi) 6" dia	Each	1,188.00	75,984.00	Each	1,188.00	75,984.00		
	(xii) 8" dia	Each	1,188.00	104,184.86	Each	1,188.00	104,184.86		
	(xiii) 10" dia	Each	1,188.00	165,060.72	Each	1,188.00	165,060.72		
	(xiv) 12" dia	Each	1,188.00	235,345.40	Each	1,188.00	235,345.40		
55	Supply & installation of heavy duty Brass PN-16 air Vents of specified size provided at the highest points (Pipe Risers) to expel air as approved and directed by the Engineer Incharge								
	(a) Automatic								
	(i) 1/2"	Each	237.60	1,749.60	Each	237.60	1,749.60		
	(ii) 3/4"	Each	237.60	1,917.60	Each	237.60	1,917.60		
	(iii) 1"	Each	237.60	2,253.60	Each	237.60	2,253.60		
	(b) Manual								
	(i) 1/2"	Each	237.60	1,749.60	Each	237.60	1,749.60		
	(ii) 3/4"	Each	237.60	1,917.60	Each	237.60	1,917.60		
	(iii) 1"	Each	237.60	2,253.60	Each	237.60	2,253.60		
56	Providing and fixing heavy duty Pressure Relief Valve of specified diameter and material for pressure rating PN-16 made of Crane (USA), Hatersly (UK), Scon (Pakistan) or approved equivalent manufacturer, integral device with a pressure setting, a restrictor and a sensor all in the one body, i/c the cost of all accessories flanges,nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) 3/4" dia	Each	475.20	20,922.25	Each	475.20	20,922.25		
	ii) 1" dia	Each	475.20	24,079.90	Each	475.20	24,079.90		
	iii) 1-1/2" dia	Each	475.20	49,975.20	Each	475.20	49,975.20		
	iv) 2" dia	Each	475.20	58,975.20	Each	475.20	58,975.20		
	v) 2-1/2" dia	Each	712.80	71,212.80	Each	712.80	71,212.80		
57	Supply and Installation of Gas & Liquid Copper Piping of specified size and thickness including the cost of Fittings, Welding Complete clamps/hangers/supports,testing charges and all other related material for installation purpose complete in all respect as approved and directed by the Engineer Incharge								
	i) 1/4"	Per Rft	20.15	255.15	Per Meter	66.10	836.90		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) 3/8"	Per Rft	20.15	385.45	Per Meter	66.10	1,264.25		
	iii) 1/2"	Per Rft	20.15	600.50	Per Meter	66.10	1,969.65		
	iv) 5/8"	Per Rft	20.15	804.50	Per Meter	66.10	2,638.75		
	v) 3/4"	Per Rft	30.25	1,023.30	Per Meter	99.15	3,356.45		
	vi) 7/8"	Per Rft	30.25	1,294.50	Per Meter	99.15	4,245.95		
	vii) 1"	Per Rft	30.25	1,511.15	Per Meter	99.15	4,956.50		
	viii) 1-1/8"	Per Rft	30.25	1,756.25	Per Meter	99.15	5,760.45		
	ix) 1-1/4"	Per Rft	40.30	2,018.55	Per Meter	132.25	6,620.80		
	x) 1-3/8"	Per Rft	40.30	2,241.15	Per Meter	132.25	7,351.00		
	xi) 1-1/2"	Per Rft	40.30	2,802.10	Per Meter	132.25	9,190.80		
	xii) 1-3/4"	Per Rft	50.40	3,302.15	Per Meter	165.30	10,831.05		
	xiii) 2"	Per Rft	50.40	3,718.45	Per Meter	165.30	12,196.55		
	xiv) 2-1/2"	Per Rft	50.40	4,163.10	Per Meter	165.30	13,654.90		
	xv) 3"	Per Rft	60.45	5,477.95	Per Meter	198.35	17,967.65		

FIRE FIGHTING WORKS

58	Supply , installation and commissioning of Concealed/Open type wall mounted fire Hose Rack of specified size made of 18 SWG MS sheet , single/double Cabin having demountable single/double doors of steel/glazed with 4 mm thick glass,with warning sign on it,duly painted with 70 micron electrostatic powder coated Red color, housing at least 100 ft length of pipe i/c the cost of specified valve , complete in all respects as approved and directed by Engineer Incharge (The accessories will be paid separately). Indoor/Outdoor Type i) 8"-10" deep ii) 12" deep	P.Cft P.Cft	814.35 529.20	3,298.60 2,406.30	Per Cum Per Cum	28,730.15 18,670.20	116,374.10 84,893.55	23.6	If floor mounted Rack is used, increase composite rate by 5%.
59	Supply , installation and commissioning of Concealed/open type fire Hose reel cabinet of specified size made of 18 SWG MS sheet , single/double Cabin having demountable single/double doors of steel/glazed with 4 mm thick glass with warning sign on it,duly painted with 70 micron electrostatic powder coated Red color, housing at least 100 ft length of pipe i/c the cost of specified valve , complete in all respects. as approved and directed by Engineer Incharge (The accessories will be paid separately). Indoor/Outdoor Type i) 8-10" deep ii) 12" deep	P.Cft P.Cft	814.35 529.20	3,462.85 2,514.65	Per Cum Per Cum	28,730.15 18,670.20	122,169.75 88,717.05		If floor mounted Cabinet is used, increase composite rate by 5%.
60	Supply , installation and commissioning of fire Hose reel Cabinet accessories of specified size and make, complete in all respects. as approved and directed by Engineer Incharge. A) Rubber covered hose pipe (i) 1" dia B) Jacket of Polyurethane/100% Polyester filmant yarn Twin wave ,full Synthetic rubber compound with brass connectors U.L listed. (i) 1-1/2" dia (a) Burst pressure 500 psi (b) Burst pressure 750 psi	Per Rft Per Rft Per Rft Per Rft	101.60 101.60 101.60	1,182.90 1,057.25 1,153.25	Per Meter Per Meter Per Meter	333.20 333.20 333.20	3,879.95 3,467.85 3,782.70		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(ii) 2-1/2" dia Hose Burst pressure 650 psi	Per Rft	101.60	1,346.85	Per Meter	333.20	4,417.60		
	C) PVC lining Canvas Fire Hose with brass connectors UL listed. Burst pressure 650 psi	Per Rft	2.55	9.85	Per Meter	8.45	32.35		
	D) Fire hose Spray Nozzle with jet								
	(a) 1" dia Polycarbonate Nozzle(75gpm)	Each	1,015.90	3,797.50	Each	1,015.90	3,797.50		
	(b) 1-1/2" dia Gunmetal/Chrome Nozzle	Each	1,015.90	5,729.50	Each	1,015.90	5,729.50		
	(c) 2-1/2" dia Gunmetal/Chrome Nozzle								
	(i) Fog spray Tripple Purpose	Each	1,015.90	7,971.10	Each	1,015.90	7,971.10		
	(ii) Jet Nozzel	Each	1,015.90	7,198.30	Each	1,015.90	7,198.30		
61	Supplying, fixing and testing ductile iron pipe with flange including the cost of specials, (teeup pipe / alpine steel or approved equivalent manufacturer, complying Class K-12, ISO - 2531 & BS - 4772, & jointing material with all fittings and accessories complete in all respect as approved by the Engineer Incharge								
	i) 3" dia (75 mm)	Per Rft	36.65	4,166.00	Per Meter	120.20	13,664.55		
	ii) 4" dia (100 mm)	Per Rft	47.25	5,207.45	Per Meter	155.00	17,080.40		
	iii) 6" dia (150 mm)	Per Rft	57.90	7,800.35	Per Meter	189.90	25,585.10		
	iv) 8" dia (200mm)	Per Rft	68.55	11,423.75	Per Meter	224.85	37,469.95		
	v) 10" dia (250 mm)	Per Rft	79.20	15,563.70	Per Meter	259.80	51,048.85		
	vi) 12" dia (300 mm)	Per Rft	89.85	19,187.10	Per Meter	294.70	62,933.70		
62	Providing and fixing Chain Pulley Block of 5 ton capacity with 5 meter length of chain, as per required specifications complete in all respect and as approved by the Engineer Incharge.	Each	1,881.00	52,881.00	Each	1,881.00	52,881.00		
63	Two Coats of Bitumen Grade 80/100 (40 Lbs/100Sft)(NRL/PARCO) and Wrapping of Polythene (500 gauge) on M.S. Pipe	100 Sft	4,232.25	9,842.20	Per Sqm	455.40	1,059.00		
64	Providing and fixing of fire extinguishers and fire blanket of following type and capacities complete in all respect as approved and directed by the Engineer Incharge.								
	i) Dry Chemical Powder capacity 6 Kg.	Each	475.20	13,252.80	Each	475.20	13,252.80		
	ii) CO2 Capacity 5 kg.	Each	475.20	32,990.40	Each	475.20	32,990.40		
	iii) HFC Type Capacity 6kg	Each	475.20	81,109.20	Each	475.20	81,109.20		
	iv) K-Type wet chemical capacity 6 Litters.	Each	475.20	48,156.00	Each	475.20	48,156.00		
	v) Fire Blanket, White Color, with Black Strip, Hard Flat PVC Case in Red Color, of 4ft x 6ft size.	Each	475.20	10,532.40	Each	475.20	10,532.40		
65	Providing and fixing of fire sprinkler heads of following type and and rating capacities having K-factor 5.6, UL/FM complete in all respect as approved and directed by the Engineer Incharge.								
	i) Pendant sprinkler head size 1/2" C/W Ceiling Flush Plate @ 68C	Each	237.60	2,254.80	Each	237.60	2,254.80		
	ii) Pendant sprinkler head size 1/2" C/W Ceiling Flush Plate @ 93C	Each	237.60	2,384.40	Each	237.60	2,384.40		
	iii) Concealed type Sprinkler size 1/2" C/W Ceiling Flush Plate @ 68C	Each	237.60	2,254.80	Each	237.60	2,254.80		
	iv) Concealed type sprinkler head size 1/2" C/W Ceiling Flush Plate @ 93C	Each	237.60	2,384.40	Each	237.60	2,384.40		
	v) Upright sprinkler head size 1/2" @ 68C	Each	237.60	1,965.60	Each	237.60	1,965.60		
	vi) Upright sprinkler head size 1/2" @ 93C	Each	237.60	2,095.20	Each	237.60	2,095.20		
	vii) Side Wall sprinkler head size 1/2" @ 68C	Each	237.60	2,138.40	Each	237.60	2,138.40		
	viii) Side Wall sprinkler head size 1/2" @ 93C	Each	237.60	2,354.40	Each	237.60	2,354.40		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
66	Providing and fixing of UL listed /FM approved OS & Y type D.I Gate valve (Flanged End) of specified diameter and working pressure 250 PSI rating, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) Gate Valve Dia 2-1/2"	Each	712.80	73,746.80	Each	712.80	73,746.80		
	ii) Gate Valve Dia 3"	Each	950.40	87,723.20	Each	950.40	87,723.20		
	iii) Gate Valve Dia 4"	Each	950.40	105,187.70	Each	950.40	105,187.70		
	iv) Gate Valve Dia 6"	Each	1,188.00	171,097.65	Each	1,188.00	171,097.65		
	v) Gate Valve Dia 8"	Each	1,188.00	250,046.85	Each	1,188.00	250,046.85		
67	Providing and fixing of UL listed /FM approved NRS type D.I Gate valve (Flanged End) of specified diameter and working pressure 250 PSI rating, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) Gate Valve Dia 2-1/2"	Each	712.80	75,260.00	Each	712.80	75,260.00		
	ii) Gate Valve Dia 3"	Each	950.40	82,899.20	Each	950.40	82,899.20		
	iii) Gate Valve Dia 4"	Each	950.40	99,210.50	Each	950.40	99,210.50		
	iv) Gate Valve Dia 6"	Each	1,188.00	168,206.85	Each	1,188.00	168,206.85		
	v) Gate Valve Dia 8"	Each	1,188.00	261,829.65	Each	1,188.00	261,829.65		
68	Providing and fixing of UL listed /FM approved D.I Check valve (Flanged End, swing type) of specified diameter with working pressure 250 PSI, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) Gate Valve Dia 2-1/2"	Each	712.80	43,983.20	Each	712.80	43,983.20		
	ii) Gate Valve Dia 3"	Each	950.40	69,399.20	Each	950.40	69,399.20		
	iii) Gate Valve Dia 4"	Each	950.40	80,570.90	Each	950.40	80,570.90		
	iv) Gate Valve Dia 6"	Each	1,188.00	150,073.65	Each	1,188.00	150,073.65		
	v) Gate Valve Dia 8"	Each	1,188.00	245,716.05	Each	1,188.00	245,716.05		
69	Providing and fixing of UL listed /FM approved D.I Y-Strainer (Flanged End) of specified diameter with working pressure 250 PSI, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) Y Strainer Dia 6"	Each	1,188.00	170,455.65	Each	1,188.00	170,455.65		
	ii) Y Strainer Dia 8"	Each	1,188.00	281,092.05	Each	1,188.00	281,092.05		
70	Providing and fixing of stainless steel flexible joint of specified diameter, i/c the cost of all accessories flanges, nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.								
	i) 2" dia	Each	237.60	24,574.80	Each	237.60	24,574.80		
	ii) 2-1/2" dia	Each	237.60	29,974.80	Each	237.60	29,974.80		
	iii) 3" dia	Each	237.60	45,982.80	Each	237.60	45,982.80		
	iv) 4" dia	Each	594.00	53,644.80	Each	594.00	53,644.80		
	v) 6" dia	Each	594.00	75,336.00	Each	594.00	75,336.00		

CHAPTER NO.24 (ELECTRIC INSTALLATION)

Rates for all finished works include the removal of surplus debris, unused material and byproducts.

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Supply and erection of G.I. pipes for wiring purposes, including pull boxes, inspection boxes, bends, tees, etc. complete with all specials.								
	a) on surface, including clamps, etc.							38.4	
	i) 15 mm i/d	Per Rft.	57.95	264.15	Per Meter	190.10	866.40		
	ii) 20 mm i/d	Per Rft.	57.95	271.50	Per Meter	190.10	890.45		
	iii) 25 mm i/d	Per Rft.	57.95	358.85	Per Meter	190.10	1,177.10		
	iv) 32 mm i/d	Per Rft.	72.45	458.30	Per Meter	237.60	1,503.20		
	v) 40 mm i/d	Per Rft.	72.45	562.20	Per Meter	237.60	1,843.95		
	vi) 50 mm i/d	Per Rft.	86.25	707.10	Per Meter	282.85	2,319.35		
	vii) 80 mm i/d	Per Rft.	109.75	1,123.40	Per Meter	360.00	3,684.65		
	b) recessed in walls, including hooks, cutting jharries and repairing surface:							38.3	
	i) 15 mm i/d	Per Rft.	86.95	234.50	Per Meter	285.10	769.10		
	ii) 20 mm i/d	Per Rft.	86.95	292.90	Per Meter	285.10	960.75		
	iii) 25 mm i/d	Per Rft.	90.55	385.85	Per Meter	297.00	1,265.60		
	iv) 32 mm i/d	Per Rft.	90.55	470.70	Per Meter	297.00	1,543.90		
	v) 40 mm i/d	Per Rft.	98.80	582.20	Per Meter	324.00	1,909.55		
	vi) 50 mm i/d	Per Rft.	135.80	751.35	Per Meter	445.50	2,464.35		
	vii) 80 mm i/d	Per Rft.	217.30	1,227.40	Per Meter	712.80	4,025.85		
2	Supply and erection of M.S. conduit pipes for wiring, including pull boxes, inspection boxes, bends, tees, etc. complete with all specials.							38.4 & 38.6	
	a) on surface, including clamps, etc.								
	i) 16 mm i/d	Per Rft.	40.25	90.95	Per Meter	132.00	298.40		
	ii) 20 mm i/d	Per Rft.	40.25	98.10	Per Meter	132.00	321.70		
	iii) 25 mm i/d	Per Rft.	40.25	116.15	Per Meter	132.00	381.00		
	iv) 32 mm i/d	Per Rft.	40.25	123.70	Per Meter	132.00	405.75		
	v) 40 mm i/d	Per Rft.	45.25	152.20	Per Meter	148.50	499.25		
	vi) 50 mm i/d	Per Rft.	55.70	186.90	Per Meter	182.75	613.05		
	b) recessed in walls, including cutting jharries, cost of hooks and repairing surface etc.							38.3 & 38.7	
	i) 16 mm i/d	Per Rft.	77.60	121.70	Per Meter	254.55	399.15		
	ii) 20 mm i/d	Per Rft.	77.60	127.20	Per Meter	254.55	417.25		
	iii) 25 mm i/d	Per Rft.	86.95	151.75	Per Meter	285.10	497.65		
	iv) 32 mm i/d	Per Rft.	90.55	163.15	Per Meter	297.00	535.15		
	v) 40 mm i/d	Per Rft.	94.50	188.50	Per Meter	309.90	618.25		
	vi) 50 mm i/d	Per Rft.	98.80	217.00	Per Meter	324.00	711.80		
3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.							38.3 & 38.5	
	i) 12 mm i/d	Per Rft.	70.10	100.10	Per Meter	229.95	328.35		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) 20 mm i/d	Per Rft.	72.45	112.25	Per Meter	237.60	368.15		
	iii) 25 mm i/d	Per Rft.	80.50	133.60	Per Meter	264.00	438.15		
	iv) 32 mm i/d	Per Rft.	86.95	157.15	Per Meter	285.10	515.40		
	v) 40 mm i/d	Per Rft.	90.55	186.60	Per Meter	297.00	612.10		
	vi) 50 mm i/d	Per Rft.	94.50	231.50	Per Meter	309.90	759.35		
4	Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:-								
	i) 12 mm i/d	Per Rft.	18.10	59.15	Per Meter	59.40	194.00		
	ii) 20 mm i/d	Per Rft.	18.10	68.75	Per Meter	59.40	225.60		
	iii) 25 mm i/d	Per Rft.	18.10	86.45	Per Meter	59.40	283.55		
	iv) 32 mm i/d	Per Rft.	20.70	108.20	Per Meter	67.90	354.85		
	v) 40 mm i/d	Per Rft.	20.70	138.00	Per Meter	67.90	452.60		
	vi) 50 mm i/d	Per Rft.	25.00	194.50	Per Meter	81.95	637.95		
5	Supply and erection of G.I. flexible pipe for wiring, including welding of sockets, nipples and check nuts, etc. complete:-							38.4	
	i) 12 mm i/d	Per Rft.	47.40	172.15	Per Meter	155.50	564.70		
	ii) 20 mm i/d	Per Rft.	50.55	206.80	Per Meter	165.85	678.25		
	iii) 25 mm i/d	Per Rft.	52.30	277.30	Per Meter	171.55	909.55		
	iv) 32 mm i/d	Per Rft.	63.20	322.60	Per Meter	207.30	1,058.10		
	v) 40 mm i/d	Per Rft.	68.95	376.25	Per Meter	226.15	1,234.15		
	vi) 50 mm i/d	Per Rft.	75.85	445.75	Per Meter	248.80	1,462.00		
	vii) 80 mm i/d	Per Rft.	101.15	658.50	Per Meter	331.70	2,159.90		
6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-							38.2 & 38.3	
	i) 50 mm i/d	Per Rft.	94.50	234.90	Per Meter	309.90	770.50		
	ii) 80 mm i/d	Per Rft.	108.65	303.80	Per Meter	356.40	996.50		
	iii) 100 mm i/d	Per Rft.	108.65	378.70	Per Meter	356.40	1,242.15		
7	Supply and erection of PVC. flexible pipe for wiring, including check nuts, etc. complete:-								
	i) 20 mm	Per Rft.	6.45	48.30	Per Meter	21.15	158.45		
	ii) 25 mm	Per Rft.	6.45	64.40	Per Meter	21.15	211.15		
8	Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials:-								
	i) 50 mm i/d	Per Rft.	25.00	169.80	Per Meter	81.95	556.95		
	ii) 80 mm i/d	Per Rft.	36.20	266.95	Per Meter	118.80	875.55		
	iii) 100 mm i/d	Per Rft.	41.40	380.35	Per Meter	135.75	1,247.55		
9	Supply and erection of wooden strip batten for wiring purposes, including clips, insulation cleats, etc.	Per Rft.	7.25	12.95	Per Meter	23.75	42.40	38.8	Additional width required to accommodate wires will be provided by erection of additional strips.
10	Supply and erection of Sahl wood casing and capping for wiring purposes, including insulation cleats, screws, etc. complete.	Per Rft.	7.25	31.60	Per Meter	23.75	103.65	38.8	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
11	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-							38.1	
	a) 250/440 volts, PVC insulated:								
	i) 3/0.74 mm (3/0.029")	Per Rft.	13.00	35.70	Per Meter	42.55	117.10		
	ii) 3/0.91 mm (3/0.036")	Per Rft.	13.00	36.10	Per Meter	42.55	118.40		
	iii) 7/0.74 mm (7/0.029")	Per Rft.	13.00	56.30	Per Meter	42.55	184.70		
	iv) 7/0.91 mm (7/0.036")	Per Rft.	14.40	74.70	Per Meter	47.30	245.05		
	v) 7/1.12 mm (7/0.044")	Per Rft.	16.20	110.05	Per Meter	53.20	360.95		
	vi) 7/1.63 mm (7/0.064")	Per Rft.	19.95	268.70	Per Meter	65.50	881.25		
	vii) 19/1.32 mm (19/0.052")	Per Rft.	45.25	368.05	Per Meter	148.50	1,207.25		
	viii) 19/1.63 mm (19/0.064")	Per Rft.	52.80	481.95	Per Meter	173.25	1,580.85		
	b) 250/440 volts, PVC insulated cotton braided and compounded cables:-								
	i) 3/0.74 mm (3/0.029")	Per Rft.	14.40	36.30	Per Meter	47.30	119.00		
	ii) 3/0.91 mm (3/0.036")	Per Rft.	14.40	42.70	Per Meter	47.30	140.00		
	iii) 7/0.74 mm (7/0.029")	Per Rft.	14.40	61.50	Per Meter	47.30	201.80		
	iv) 7/0.91 mm (7/0.036")	Per Rft.	15.25	75.55	Per Meter	50.10	247.85		
	v) 7/1.12 mm (7/0.044")	Per Rft.	17.10	105.65	Per Meter	56.00	346.45		
	vi) 7/1.63 mm (7/0.064")	Per Rft.	19.65	268.35	Per Meter	64.50	880.25		
	c) 450/750 volts, PVC insulated:								
	i) 1 mm sq (1/0.039")	Per Rft.	16.10	32.65	Per Meter	52.80	107.00		
	ii) 1.5 mm sq (3/0.029")	Per Rft.	16.10	42.70	Per Meter	52.80	140.10		
	iii) 2.5 mm sq (7/0.029")	Per Rft.	16.10	60.05	Per Meter	52.80	196.95		
	iv) 4 mm sq (7/0.036")	Per Rft.	17.05	79.95	Per Meter	55.90	262.20		
	v) 6 mm sq (7/0.044")	Per Rft.	19.05	111.00	Per Meter	62.55	364.05		
	vi) 10 mm sq (7/0.052")	Per Rft.	21.95	175.55	Per Meter	72.00	575.90		
	vii) 16 mm sq (7/0.064")	Per Rft.	21.95	265.50	Per Meter	72.00	870.80		
	viii) 25 mm sq (19/0.052")	Per Rft.	24.15	350.75	Per Meter	79.20	1,150.45		
	ix) 35 mm sq (19/0.064")	Per Rft.	24.15	474.55	Per Meter	79.20	1,556.45		
	x) 50 mm sq (19/0.072")	Per Rft.	23.60	636.75	Per Meter	77.40	2,088.60		
	xi) 70 mm sq (19/0.083")	Per Rft.	23.60	906.05	Per Meter	77.40	2,971.80		
	xii) 95 mm sq (37/0.072")	Per Rft.	23.60	1,216.65	Per Meter	77.40	3,990.60		
	xiii) 120 mm sq (37/0.083")	Per Rft.	24.95	1,438.25	Per Meter	81.85	4,717.45		
	xiv) 150 mm Sq (37/0.093")	Per Rft.	24.95	1,770.80	Per Meter	81.85	5,808.25		
	xv) 185 mm sq (37/0.103")	Per Rft.	24.95	2,212.75	Per Meter	81.85	7,257.85		
	xvi) 240 mm sq (37/0.114")	Per Rft.	25.95	2,866.10	Per Meter	85.15	9,400.75		
12	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):-								
	i) 3/0.74 mm (3/0.029")	Per Rft.	13.00	36.35	Per Meter	42.55	119.20		
	ii) 3/0.91 mm (3/0.036")	Per Rft.	13.00	36.35	Per Meter	42.55	119.20		
	iii) 7/0.74 mm (7/0.029")	Per Rft.	13.00	52.55	Per Meter	42.55	172.35		
	iv) 7/0.91 mm (7/0.036")	Per Rft.	14.40	72.85	Per Meter	47.30	238.90		
	v) 7/1.12 mm (7/0.044")	Per Rft.	16.20	101.40	Per Meter	53.20	332.55		
	vi) 7/1.63 mm (7/0.064")	Per Rft.	19.95	240.40	Per Meter	65.50	788.55		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
13	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-							38.1 to 38.7	
	i) 4.00 mm sq (7/0.036")	Per Rft.	16.20	73.10	Per Meter	53.20	239.70		
	ii) 6 mm sq (7/0.044")	Per Rft.	16.20	98.90	Per Meter	53.20	324.35		
	iii) 10.00 mm sq (7/0.052")	Per Rft.	16.20	154.10	Per Meter	53.20	505.50		
	iv) 16 mm sq (7/0.064")	Per Rft.	17.30	232.60	Per Meter	56.75	763.00		
	v) 25 mm sq (19/0.052")	Per Rft.	17.30	356.80	Per Meter	56.75	1,170.30		
	vi) 35 mm sq (19/0.064")	Per Rft.	19.95	495.35	Per Meter	65.50	1,624.75		
	vii) 50 mm sq (19/0.072")	Per Rft.	19.95	698.95	Per Meter	65.50	2,292.60		
	viii) 70 mm sq (19/0.083")	Per Rft.	19.95	915.90	Per Meter	65.50	3,004.15		
	ix) 95 mm sq (37/0.072")	Per Rft.	19.95	1,259.00	Per Meter	65.50	4,129.60		
	x) 120 mm sq (37/0.083")	Per Rft.	23.60	1,581.60	Per Meter	77.40	5,187.60		
	xi) 150 mm Sq (37/0.093")	Per Rft.	23.60	1,936.80	Per Meter	77.40	6,352.75		
	xii) 185 mm sq (37/0.103")	Per Rft.	23.60	2,420.25	Per Meter	77.40	7,938.45		
	xiii) 240 mm sq (37/0.114")	Per Rft.	25.95	3,170.15	Per Meter	85.15	10,398.15		
	xiv) 300 mm sq (61/0.099")	Per Rft.	25.95	3,966.10	Per Meter	85.15	13,008.80		
	xv) 400 mm sq (61/0.114")	Per Rft.	25.95	5,055.95	Per Meter	85.15	16,583.60		
	xvi) 500 mm sq (91/0.103")	Per Rft.	32.45	6,365.20	Per Meter	106.45	20,877.90		
	xvii) 630 mm sq (127/0.093")	Per Rft.	32.45	8,189.35	Per Meter	106.45	26,861.00		
14	Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-							ditto	
	a) Two core, 250/440 volts.								
	i) 3/0.74 mm (3/0.029")	Per Rft.	14.40	80.35	Per Meter	47.30	263.60		
	ii) 3/0.91 mm (3/0.036")	Per Rft.	14.40	84.50	Per Meter	47.30	277.20		
	iii) 7/0.74 mm (7/0.029")	Per Rft.	14.40	119.95	Per Meter	47.30	393.40		
	iv) 7/0.91 mm (7/0.036")	Per Rft.	15.25	172.70	Per Meter	50.10	566.40		
	v) 7/1.12 mm (7/0.044")	Per Rft.	17.10	237.65	Per Meter	56.00	779.40		
	vi) 7/1.63 mm (7/0.064")	Per Rft.	19.65	531.70	Per Meter	64.50	1,743.95		
	b) Three core, 600/1000 volt cable:-								
	i) 3/0.74 mm (3/0.029")	Per Rft.	15.25	100.80	Per Meter	50.10	330.65		
	ii) 3/0.91 mm (3/0.036")	Per Rft.	15.25	104.60	Per Meter	50.10	343.00		
	iii) 7/0.74 mm (7/0.029")	Per Rft.	15.25	139.60	Per Meter	50.10	457.95		
	iv) 7/0.91 mm (7/0.036")	Per Rft.	17.10	209.25	Per Meter	56.00	686.35		
	v) 7/1.12 mm (7/0.044")	Per Rft.	18.05	299.75	Per Meter	59.15	983.25		
	vi) 7/1.63 mm (7/0.064")	Per Rft.	20.60	704.25	Per Meter	67.55	2,309.95		
	c) Four core, 600/1000 volt non armoured cable:-								
	i) 1.5 mm (3/0.029")	Per Rft.	16.20	125.15	Per Meter	53.20	410.40		
	ii) 1.5 mm (3/0.036")	Per Rft.	16.20	125.15	Per Meter	53.20	410.40		
	iii) 2.5 mm (7/0.029")	Per Rft.	17.10	177.55	Per Meter	56.00	582.35		
	iv) 4 mm (7/0.036")	Per Rft.	17.10	267.10	Per Meter	56.00	876.10		
	v) 6 mm (7/0.044")	Per Rft.	18.05	379.65	Per Meter	59.15	1,245.20		
	vi) 10 mm (7/0.052")	Per Rft.	20.60	603.85	Per Meter	67.55	1,980.70		
	vii) 16 mm (7/0.064")	Per Rft.	20.60	924.05	Per Meter	67.55	3,030.90		
	viii) 25 mm (19/0.052")	Per Rft.	28.85	1,423.40	Per Meter	94.60	4,668.70		
	ix) 35 mm sq (19/0.064")	Per Rft.	28.85	1,917.10	Per Meter	94.60	6,288.05		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	x) 50 mm sq (19/0.072")	Per Rft.	28.85	2,560.05	Per Meter	94.60	8,397.00		
	xi) 70 mm sq (19/0.083")	Per Rft.	37.10	3,655.70	Per Meter	121.65	11,990.75		
	xii) 95 mm sq (37/0.072")	Per Rft.	37.10	5,067.05	Per Meter	121.65	16,619.95		
	xiii) 120 mm sq (37/0.083")	Per Rft.	43.25	6,331.55	Per Meter	141.90	20,767.50		
	xiv) 150 mm sq (37/0.093")	Per Rft.	43.25	7,800.35	Per Meter	141.90	25,585.20		
	xv) 185 mm sq (37/0.103")	Per Rft.	51.90	9,769.65	Per Meter	170.30	32,044.45		
	xvi) 240 mm sq (37/0.114")	Per Rft.	51.90	12,674.40	Per Meter	170.30	41,572.10		
	xvii) 300 mm sq (61/0.099")	Per Rft.	51.90	16,381.50	Per Meter	170.30	53,731.30		
	xviii) 400 mm sq (61/0.114")	Per Rft.	51.90	20,507.65	Per Meter	170.30	67,265.05		
	d) Four Core, 600/1000 volt armoured cable:-								Cost of trenches are included in the rates.
	i) 4 mm sq (7/0.036)	Per Rft.	17.10	317.50	Per Meter	56.00	1,041.35		
	ii) 6 mm sq (7/0.044)	Per Rft.	18.05	446.45	Per Meter	59.15	1,464.30		
	iii) 10 mm sq (7/0.052)	Per Rft.	20.60	728.15	Per Meter	67.55	2,388.30		
	iv) 16 mm sq (7/0.064)	Per Rft.	28.85	1,085.65	Per Meter	94.60	3,560.95		
	v) 25 mm sq (19/0.052)	Per Rft.	28.85	1,592.05	Per Meter	94.60	5,221.95		
	vi) 35 mm sq (19/0.064)	Per Rft.	30.90	2,128.10	Per Meter	101.35	6,980.25		
	vii) 50 mm sq (19/0.072)	Per Rft.	32.45	2,872.30	Per Meter	106.45	9,421.05		
	viii) 70 mm sq (19/0.083)	Per Rft.	35.10	4,035.45	Per Meter	115.05	13,236.35		
	ix) 95 mm sq (37/0.072)	Per Rft.	36.05	5,493.65	Per Meter	118.25	18,019.25		
	x) 120 mm sq (37/0.083)	Per Rft.	37.10	6,946.35	Per Meter	121.65	22,784.00		
	xi) 150 mm (37/0.093)	Per Rft.	43.25	8,473.55	Per Meter	141.90	27,793.30		
	xii) 185 mm sq (37/0.103)	Per Rft.	51.90	10,549.20	Per Meter	170.30	34,601.40		
	xiii) 240 mm sq (37/0.114)	Per Rft.	64.90	13,391.55	Per Meter	212.85	43,924.35		
	xiv) 300 mm sq (61/0.099)	Per Rft.	64.90	17,163.60	Per Meter	212.85	56,296.55		
	xv) 400 mm sq (61/0.114)	Per Rft.	72.10	21,510.40	Per Meter	236.50	70,554.10		
15	Supply and erection of XLPE insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in prelaidd G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-								
	a) Single core (Non-armoured)								
	i) 4 mm sq (7/0.036")	Per Rft.	17.20	72.40	Per Meter	56.40	237.40		
	ii) 6 mm sq (7/0.044")	Per Rft.	21.50	118.10	Per Meter	70.50	387.30		
	iii) 10 mm sq (7/0.052")	Per Rft.	21.50	179.20	Per Meter	70.50	587.70		
	iv) 16 mm sq (7/0.064")	Per Rft.	25.80	273.10	Per Meter	84.60	895.80		
	v) 25 mm sq (19/0.052")	Per Rft.	25.80	371.30	Per Meter	84.60	1,217.90		
	vi) 35 mm sq (19/0.064")	Per Rft.	39.00	499.65	Per Meter	128.00	1,638.80		
	vii) 50 mm sq (19/0.072")	Per Rft.	39.00	659.50	Per Meter	128.00	2,163.20		
	viii) 70 mm sq (19/0.083")	Per Rft.	39.00	929.90	Per Meter	128.00	3,050.00		
	ix) 95 mm sq (37/0.072")	Per Rft.	47.30	1,278.05	Per Meter	155.15	4,191.95		
	x) 120 mm sq (37/0.083")	Per Rft.	47.30	1,597.80	Per Meter	155.15	5,240.75		
	xi) 150 mm Sq (37/0.093")	Per Rft.	47.30	1,952.30	Per Meter	155.15	6,403.55		
	xii) 185 mm sq (37/0.103")	Per Rft.	47.30	2,433.05	Per Meter	155.15	7,980.35		
	(xiii) 240 mm sq (37/0.114")	Per Rft.	52.55	3,182.05	Per Meter	172.30	10,437.10		
	(xiv) 300 mm sq (61/0.099")	Per Rft.	52.55	3,928.75	Per Meter	172.30	12,886.30		
	(xv) 400 mm sq (61/0.114")	Per Rft.	52.55	5,061.05	Per Meter	172.30	16,600.30		
	(xvi) 500 mm sq (91/0.103")	Per Rft.	52.55	6,361.30	Per Meter	172.30	20,865.10		
	(xvii) 630 mm sq (127/0.093")	Per Rft.	52.55	8,193.85	Per Meter	172.30	26,875.90		
	b) Four Core (Non-armoured)								
	i) 2.5 mm (7/0.029")	Per Rft.	18.90	193.05	Per Meter	62.05	633.25		
	ii) 4 mm sq (7/0.036")	Per Rft.	21.30	290.20	Per Meter	69.80	951.80		
	iii) 6 mm sq (7/0.044")	Per Rft.	23.65	415.50	Per Meter	77.55	1,362.75		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	iv) 10 mm sq (7/0.052")	Per Rft.	26.00	657.50	Per Meter	85.35	2,156.55		
	v) 16 mm sq (7/0.064")	Per Rft.	26.00	1,038.70	Per Meter	85.35	3,406.95		
	vi) 25 mm sq (19/0.052")	Per Rft.	35.50	1,353.90	Per Meter	116.35	4,440.85		
	vii) 35 mm sq (19/0.064")	Per Rft.	35.50	1,846.40	Per Meter	116.35	6,056.15		
	viii) 50 mm sq (19/0.072")	Per Rft.	35.50	2,477.55	Per Meter	116.35	8,126.35		
	ix) 70 mm sq (19/0.083")	Per Rft.	47.30	3,564.20	Per Meter	155.15	11,690.60		
	x) 95 mm sq (37/0.072")	Per Rft.	47.30	4,905.35	Per Meter	155.15	16,089.60		
	xi) 120 mm sq (37/0.083")	Per Rft.	47.30	6,172.55	Per Meter	155.15	20,245.90		
	xii) 150 mm sq (37/0.093")	Per Rft.	47.30	6,753.40	Per Meter	155.15	22,151.15		
	xiii) 185 mm sq (37/0.103")	Per Rft.	70.95	7,598.00	Per Meter	232.70	24,921.45		
	xiv) 240 mm sq (37/0.114")	Per Rft.	70.95	12,452.55	Per Meter	232.70	40,844.35		
	xv) 300 mm sq (61/0.099")	Per Rft.	70.95	15,587.40	Per Meter	232.70	51,126.60		
	xvi) 400 mm sq (61/0.114")	Per Rft.	70.95	19,895.85	Per Meter	232.70	65,258.35		
	c) Four Core (Armoured)								
	i) 2.5 mm (7/0.029")	Per Rft.	18.90	272.10	Per Meter	62.05	892.45		
	ii) 4 mm sq (7/0.036")	Per Rft.	21.30	378.00	Per Meter	69.80	1,239.80		
	iii) 6 mm sq (7/0.044")	Per Rft.	23.65	512.05	Per Meter	77.55	1,679.55		
	iv) 10 mm sq (7/0.052")	Per Rft.	26.00	806.40	Per Meter	85.35	2,644.95		
	v) 16 mm sq (7/0.064")	Per Rft.	26.00	1,187.25	Per Meter	85.35	3,894.15		
	vi) 25 mm sq (19/0.052")	Per Rft.	47.30	1,522.40	Per Meter	155.15	4,993.55		
	vii) 35 mm sq (19/0.064")	Per Rft.	47.30	2,043.75	Per Meter	155.15	6,703.55		
	viii) 50 mm sq (19/0.072")	Per Rft.	47.30	2,686.55	Per Meter	155.15	8,811.95		
	ix) 70 mm sq (19/0.083")	Per Rft.	59.15	3,877.55	Per Meter	193.95	12,718.35		
	x) 95 mm sq (37/0.072")	Per Rft.	59.15	5,240.35	Per Meter	193.95	17,188.35		
	xi) 120 mm sq (37/0.083")	Per Rft.	59.15	6,473.25	Per Meter	193.95	21,232.35		
	xii) 150 mm sq (37/0.093")	Per Rft.	59.15	7,978.75	Per Meter	193.95	26,170.35		
	xiii) 185 mm sq (37/0.103")	Per Rft.	70.95	9,931.80	Per Meter	232.70	32,576.30		
	xiv) 240 mm sq (37/0.114")	Per Rft.	70.95	12,845.85	Per Meter	232.70	42,134.30		
	xv) 300 mm sq (61/0.099")	Per Rft.	70.95	16,378.15	Per Meter	232.70	53,720.30		
	xvi) 400 mm sq (61/0.114")	Per Rft.	70.95	20,505.35	Per Meter	232.70	67,257.50		
16	Supply, installation, testing, commissioning and termination of 8.7 / 15kV, AL/XLPE/UA/PVC three Core (MV cables) of Pakistan cables / Newage or approved equivalent along with cable glands, in already installed cable trench / cable ladder / cable tray / duct bank.								
	a) Non-Armoured Cable								
	i) 50 mm sq	Per Rft	42.55	1,224.30	P.Meter	139.65	4,015.75		
	ii) 70 mm sq	Per Rft	42.55	1,418.35	P.Meter	139.65	4,652.25		
	iii) 95 mm sq	Per Rft	42.55	1,663.30	P.Meter	139.65	5,455.65		
	iv) 120 mm sq	Per Rft	42.55	1,870.20	P.Meter	139.65	6,134.25		
	v) 150 mm sq	Per Rft	42.55	2,106.45	P.Meter	139.65	6,909.20		
	vi) 185 mm sq	Per Rft	42.55	2,394.00	P.Meter	139.65	7,852.25		
	vii) 240 mm sq	Per Rft	42.55	2,557.90	P.Meter	139.65	8,389.95		
	viii) 300 mm sq	Per Rft	42.55	3,264.10	P.Meter	139.65	10,706.20		
	b) Armoured Cable								
	i) 50 mm sq	Per Rft	42.55	1,941.80	P.Meter	139.65	6,369.05		
	ii) 70 mm sq	Per Rft	42.55	2,182.95	P.Meter	139.65	7,160.10		
	iii) 95 mm sq	Per Rft	42.55	2,493.85	P.Meter	139.65	8,179.80		
	iv) 120 mm sq	Per Rft	42.55	2,929.85	P.Meter	139.65	9,609.85		
	v) 150 mm sq	Per Rft	42.55	3,428.00	P.Meter	139.65	11,243.85		
	vi) 185 mm sq	Per Rft	42.55	3,585.15	P.Meter	139.65	11,759.25		
	vii) 240 mm sq	Per Rft	42.55	4,088.20	P.Meter	139.65	13,409.35		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
17	viii) 300 mm sq	Per Rft	42.55	4,570.55	P.Meter	139.65	14,991.40		
	Supply laying, testing and commissioning of Single Core XLPE (Cross linked polyethylene) insulated stranded Aluminium Conductor cable of 8.7/15 KV grade made of Pakistan Cable/Newage with Semiconducting tape screened, Copper tape screen, PVC filler binder, Extruded PVC sheath in trenches/prelaid pipes as per Wapda specifications i/c the cost of ties and cable identification tags (rate for cables only):-								
	a) Non-Armoured Cable								
	i) 50mm sq.	Per Rft	47.30	475.35	P.Meter	155.15	1,559.15		
	ii) 70mm sq.	Per Rft	47.30	527.65	P.Meter	155.15	1,730.75		
	iii) 95mm sq.	Per Rft	47.30	601.20	P.Meter	155.15	1,971.95		
	iv) 120mm sq.	Per Rft	47.30	674.00	P.Meter	155.15	2,210.75		
	v) 150mm sq.	Per Rft	47.30	731.80	P.Meter	155.15	2,400.35		
	vi) 185mm sq.	Per Rft	47.30	845.60	P.Meter	155.15	2,773.55		
	vii) 240mm sq.	Per Rft	47.30	965.25	P.Meter	155.15	3,165.95		
	viii) 300mm sq.	Per Rft	47.30	1,073.90	P.Meter	155.15	3,522.35		
	ix) 400mm sq.	Per Rft	47.30	1,249.85	P.Meter	155.15	4,099.55		
	x) 500mm sq.	Per Rft	47.30	1,494.60	P.Meter	155.15	4,902.35		
	xi) 630mm sq.	Per Rft	47.30	1,801.55	P.Meter	155.15	5,909.15		
	b) Armoured Cable								
	i) 50mm sq.	Per Rft	47.30	619.50	P.Meter	155.15	2,031.95		
	ii) 70mm sq.	Per Rft	47.30	736.95	P.Meter	155.15	2,417.15		
	iii) 95mm sq.	Per Rft	47.30	829.15	P.Meter	155.15	2,719.55		
	iv) 120mm sq.	Per Rft	47.30	908.90	P.Meter	155.15	2,981.15		
	v) 150mm sq.	Per Rft	47.30	997.40	P.Meter	155.15	3,271.55		
	vi) 185mm sq.	Per Rft	47.30	1,103.90	P.Meter	155.15	3,620.75		
	vii) 240mm sq.	Per Rft	47.30	1,262.30	P.Meter	155.15	4,140.35		
	viii) 300mm sq.	Per Rft	47.30	1,507.05	P.Meter	155.15	4,943.15		
	ix) 400mm sq.	Per Rft	47.30	1,724.75	P.Meter	155.15	5,657.15		
	x) 500mm sq.	Per Rft	47.30	1,906.95	P.Meter	155.15	6,254.74		
	xi) 630mm sq.	Per Rft	47.30	2,247.20	P.Meter	155.15	7,370.74		
18	Supply and erection of PVC insulated, PVC Sheathed flexible copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-								
	a) Flexible 3 core, 600/1000 volt non armoured cable:-								
	(i) 1.5 mm sq (3/0.029")	Per Rft	15.05	127.00	Per Meter	49.35	416.55		
	(ii) 2.5 mm sq (7/0.029")	Per Rft	17.20	186.60	Per Meter	56.40	612.00		
	(iii) 4 mm sq (7/0.036")	Per Rft	19.35	278.00	Per Meter	63.45	911.85		
	(iv) 6 mm sq (7/0.044")	Per Rft	21.50	389.90	Per Meter	70.50	1,278.90		
	b) Flexible 4 core, 600/1000 volt non armoured cable:-								
	(i) 1.5 mm sq (3/0.029")	Per Rft	15.05	155.15	Per Meter	49.35	508.95		
	(ii) 2.5 mm sq (7/0.029")	Per Rft	17.20	236.35	Per Meter	56.40	775.20		
	(iii) 4 mm sq (7/0.036")	Per Rft	19.35	356.65	Per Meter	63.45	1,169.85		
	(iv) 6 mm sq (7/0.044")	Per Rft	21.50	515.40	Per Meter	70.52	1,690.50		
19	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.							38.1 to 38.7	
	i) 10 x 10 cm (4"x4")	Each	237.60	382.10	Each	237.60	382.10		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) 17.5 x 10 cm (7"x4")	Each	297.00	522.55	Each	297.00	522.55		
	iii) 22.5 x 10 cm (9"x4")	Each	396.00	668.60	Each	396.00	668.60		
	iv) 20 x 25 cm (8"x10")	Each	475.20	967.10	Each	475.20	967.10		
	v) 25 x 30 cm (10"x12")	Each	594.00	1,282.30	Each	594.00	1,282.30		
	vi) 30 x 35 cm (12"x14")	Each	792.00	1,672.85	Each	792.00	1,672.85		
20	Supply and erection of round block of Sahl wood, 10x4 cm (4"x1½") thick.	Each	67.90	111.85	Each	67.90	111.85	38.1	
21	Supply and erection of teak wood board, 4.5 cm (1¾") thick.							38.1	
	i) 17.5 x 10 cm (7"x4")	Each	95.05	201.45	Each	95.05	201.45		
	ii) 22.5 x 10 cm (9"x4")	Each	95.05	217.05	Each	95.05	217.05		
	iii) 20 x 25 cm (8"x10")	Each	105.60	242.00	Each	105.60	242.00		
	iv) 25 x 30 cm (10"x12")	Each	118.80	338.40	Each	118.80	338.40		
	v) 30 x 35 cm (12"x14")	Each	135.75	440.55	Each	135.75	440.55		
22	Supply and erection of Sahl wood board, 4.5 cm (1¾") thick.								
	i) 17.5 x 10 cm (7"x4")	Each	95.05	174.25	Each	95.05	174.25		
	ii) 22.5 x 10 cm (9"x4")	Each	95.05	205.45	Each	95.05	205.45		
	iii) 20 x 25 cm (8"x10")	Each	105.60	227.60	Each	105.60	227.60		
	iv) 25 x 30 cm (10"x12")	Each	118.80	262.40	Each	118.80	262.40		
	v) 30 x 35 cm (12"x14")	Each	135.75	322.95	Each	135.75	322.95		
23	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc.							38.1	
	a) double pole:								When the base frame is already installed, the labour and composite rates will be reduced as follows:-
	i) 15/20 Amp.	Each	1,584.00	4,055.15	Each	1,584.00	4,055.15		Labour Rate or Composite Rate
	ii) 30/35 Amp.	Each	1,584.00	4,573.55	Each	1,584.00	4,573.55		198.00 Each or 484.80 Each
	iii) 60/65 Amp.	Each	2,376.00	6,088.55	Each	2,376.00	6,088.55		198.00 Each or 523.20 Each
	iv) 100 Amp.	Each	2,376.00	6,834.95	Each	2,376.00	6,834.95		297.00 Each or 775.80 Each
	b) triple pole:								297.00 Each or 622.20 Each
	i) 15/20 Amp.	Each	1,584.00	4,753.55	Each	1,584.00	4,753.55		198.00 Each or 523.20 Each
	ii) 30/35 Amp.	Each	1,584.00	5,439.95	Each	1,584.00	5,439.95		198.00 Each or 676.80 Each
	c) triple pole with neutral link:								
	i) 30/35 Amp.	Each	1,584.00	5,799.95	Each	1,584.00	5,799.95		198.00 Each or 676.80 Each
	ii) 60/65 Amp.	Each	2,376.00	7,399.05	Each	2,376.00	7,399.05		237.60 Each or 735.60 Each
	iii) 100 Amp.	Each	3,112.55	8,880.20	Each	3,112.55	8,880.20		261.35 Each or 834.95 Each
24	Supply and erection of iron/aluminum clad, 500 volts main switches with triple pole and neutral link and HRC fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles.							38.1	
	i) 60/65 Amp	Each	2,376.00	7,087.80	Each	2,376.00	7,087.80		When the base frame is already installed the labour and composite rates will be reduced as follows:-
	ii) 100 Amp	Each	3,112.55	10,191.95	Each	3,112.55	10,191.95		237.60 Each or 790.80 Each
	iii) 150 Amp	Each	3,112.55	12,585.95	Each	3,112.55	12,585.95		261.35 Each or 834.95 Each
	iv) 200 Amp	Each	7,128.00	21,125.40	Each	7,128.00	21,125.40		261.35 Each or 910.55 Each
	v) 300 Amp	Each	7,128.00	23,597.40	Each	7,128.00	23,597.40		594.00 Each or 1243.20 Each
	vi) 400 Amp	Each	10,098.00	30,586.80	Each	10,098.00	30,586.80		594.00 Each or 1243.20 Each

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
25	vii) 500 Amp Supply and erection of iron/aluminum clad, branch distribution board, 250 volt, on angle iron frame of suitable size with 3 mm (1/8") M.S. sheet covering:	Each	10,692.00	41,387.75	Each	10,692.00	41,387.75	ditto	594.00 Each or 1243.20 Each When the base frame is already installed the labour and composite rates will be reduced from (i) to (xi) by Rs. Labour Rate Composite Rate 99.00 Each or 385.80 Each
	i) 2 way, 15 Amp per way	Each	792.00	1,788.00	Each	792.00	1,788.00		
	ii) 3 way, 15 Amp per way	Each	792.00	1,862.40	Each	792.00	1,862.40		
	iii) 4 way, 15 Amp per way	Each	792.00	1,862.40	Each	792.00	1,862.40		
	iv) 5 way, 15 Amp per way	Each	792.00	2,076.00	Each	792.00	2,076.00		
	v) 6 way, 15 Amp per way	Each	792.00	2,185.20	Each	792.00	2,185.20		
	vi) 7 way, 15 Amp per way	Each	792.00	2,259.60	Each	792.00	2,259.60		
	vii) 8 way, 15 Amp per way	Each	792.00	2,382.00	Each	792.00	2,382.00		
	viii) 9 way, 15 Amp per way	Each	792.00	2,443.20	Each	792.00	2,443.20		
	ix) 10 way, 15 Amp per way	Each	792.00	2,504.40	Each	792.00	2,504.40		
	x) 11 way, 15 Amp per way	Each	792.00	2,565.60	Each	792.00	2,565.60		
	xi) 12 way, 15 Amp per way	Each	792.00	2,749.20	Each	792.00	2,749.20		
	xii) 2 way, 30 Amp per way	Each	1,188.00	2,104.80	Each	1,188.00	2,104.80		
	xiii) 3 way, 30 Amp per way	Each	1,188.00	2,166.00	Each	1,188.00	2,166.00		
	xiv) 4 way, 30 Amp per way	Each	1,188.00	2,190.00	Each	1,188.00	2,190.00		
	xv) 5 way, 30 Amp per way	Each	1,188.00	2,300.40	Each	1,188.00	2,300.40		
	xvi) 6 way, 30 Amp per way	Each	1,188.00	2,434.80	Each	1,188.00	2,434.80		
	xvii) 7 way, 30 Amp per way	Each	1,188.00	2,509.20	Each	1,188.00	2,509.20		
	xviii) 8 way, 30 Amp per way	Each	1,188.00	2,594.40	Each	1,188.00	2,594.40		
	xix) 9 way, 30 Amp per way	Each	1,188.00	2,655.60	Each	1,188.00	2,655.60		
	xx) 10 way, 30 Amp per way	Each	1,188.00	2,716.80	Each	1,188.00	2,716.80		
26	Supply and erection of bus bars, for 500 volts 3 phase A.C. supply with four copper bars, including glazed porcelain bridges, on angle iron board, fixed with rag bolts and M.S. sheet box 1.5 mm thick, etc. complete:-							38.1	When the base frame is already installed the labour and composite rates will be reduced from (i) to (v) by Rs. Labour Rate Composite Rate 235.10 Each 808.75 Each
	i) 60 Amp. with 4 copper bars size 1½"x1/8" (40 x 3 mm)	Each	2,722.50	6,924.60	Each	2,722.50	6,924.60		
	ii) 100 Amp. with 4 copper bars size 1½"x1/8" (40 x 3 mm)	Each	2,957.65	7,159.70	Each	2,957.65	7,159.70		
	iii) 200 Amp with 4 copper bars size 2"x1/8" (50x 3 mm)	Each	3,316.50	7,758.60	Each	3,316.50	7,758.60		
	iv) 300 Amp with 4 copper bars size 2"x3/16" (50x 5 mm)	Each	3,316.50	7,758.60	Each	3,316.50	7,758.60		
	v) 500 Amp with 4 copper bars size 2"x1/4" (50x 6 mm)	Each	3,316.50	8,994.45	Each	3,316.50	8,994.45		
27	i) Supply and erection of plain pendent lamp holder, complete with bakelite lamp holder and flexible twin wire 23/0.0076" upto 2 metre length (without bulb and shade).	Each	49.50	425.10	Each	49.50	425.10	38.1	
	ii) Extra for additional length of flexible wire, beyond 2 metres.	Per Rft.	--	2.15	Per Meter	--	7.00		
28	Supply and erection of counter weight pendent with porcelain counter weight, and fitting on bakelite lamp holder, with flexible twin wire 23/0.0076" complete (without bulb and shade).	Each	99.00	796.20	Each	99.00	796.20	38.1	

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
29	Supply and erection of stiff pendent with brass/metal pipe 6.3 cm (2.5") long, and 15 mm (½") dia brass oxidised or painted, along with brass lamp holder with VIR/PVC cable 3/0.74 mm (3/0.029").	Each	141.90	1,307.90	Each	141.90	1,307.90	ditto	
30	Supply and erection of 22.5 cm (9") long swan neck plain brass/steel brass oxidised bracket lamp holder, complete.	Each	146.80	397.00	Each	146.80	397.00	ditto	
31	Supply and erection of wall type/pole type bracket, with double cover water tight reflector, flexible wire and brass bolder.	Each	202.70	1,331.05	Each	202.70	1,331.05	ditto	
32	Supply and erection of bakelite button holder shade, large size.	Each	33.15	178.75	Each	33.15	178.75	ditto	
33	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	Each	141.90	723.65	Each	141.90	723.65	38.1	
34	Supply and erection of bell push or bed switch, with 5 metres twin flexible wire 23/0.0076".	Each	29.70	909.30	Each	29.70	909.30	38.1	
35	Supply and erection of ceiling rose, bakelite.	Each	49.50	96.30	Each	49.50	96.30	ditto	
36	Supply and erection of switches 5 Amp.								
	i) open type	Each	47.50	102.70	Each	47.50	102.70	ditto	
	ii) piano type	Each	47.50	102.70	Each	47.50	102.70		
	iii) ring type, recessed	Each	47.50	95.50	Each	47.50	95.50		
	iv) plate type, recessed	Each	47.50	138.70	Each	47.50	138.70		
	v) double control, open type	Each	64.70	158.30	Each	64.70	158.30		
	vi) double control, ring type recessed	Each	64.70	146.30	Each	64.70	146.30		
	vii) double control, piano type	Each	64.70	146.30	Each	64.70	146.30		
37	Supply and erection of switches 10/15 Amp.							ditto	
	i) open type	Each	47.50	105.10	Each	47.50	105.10		
	ii) recessed type	Each	47.50	123.10	Each	47.50	123.10		
38	Supply and erection of wall socket with 3 pin 5 Amp, shoe.	Each	47.50	204.70	Each	47.50	204.70	ditto	
39	Supply and erection of 3 pin, 5 Amp wall socket.	Each	47.50	124.30	Each	47.50	124.30	ditto	
40	Supply and erection of 3 pin, 10/15 Amp. wall socket.							ditto	
	i) open type	Each	47.50	120.70	Each	47.50	120.70		
	ii) recessed type	Each	47.50	186.70	Each	47.50	186.70		
41	Supply and erection of 3 pin switch and plug combined, recessed type.							ditto	
	i) 5 Amp	Each	47.50	161.50	Each	47.50	161.50		
	ii) 10/15 Amp	Each	47.50	213.10	Each	47.50	213.10		
42	Supply and erection of 3 pin 10/15 Amp. wall socket with shoe, open type.	Each	47.50	319.90	Each	47.50	319.90	ditto	
43	Supply and erection of cut out, bakelite.							ditto	
	i) open type	Each	26.40	93.60	Each	26.40	93.60		
	ii) recessed type	Each	26.40	102.00	Each	26.40	102.00		
44	Supply and erection of button holder.							38.1	
	i) bakelite large size	Each	29.70	78.90	Each	29.70	78.90		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) brass	Each	29.70	88.50	Each	29.70	88.50		
45	Supply and erection of brass bracket with holder.	Each	39.60	184.80	Each	39.60	184.80	ditto	
46	Supply and erection of bell push open/recessed type (without flexible wire).	Each	26.40	75.60	Each	26.40	75.60	ditto	
47	Supply and erection of kitkat, 500 volt:							ditto	
	i) 15/20 Amp	Each	47.45	166.65	Each	47.45	166.65		
	ii) 30/35 Amp	Each	51.75	193.75	Each	51.75	193.75		
	iii) 60/65 Amp	Each	79.05	245.85	Each	79.05	245.85		
	iv) 100 Amp	Each	88.95	324.15	Each	88.95	324.15		
	v) 200 Amp	Each	101.65	490.45	Each	101.65	490.45		
	vi) 300 Amp	Each	101.65	681.25	Each	101.65	681.25		
	vii) 400 Amp	Each	132.65	904.25	Each	132.65	904.25		
	viii) 500 Amp	Each	132.65	1,194.65	Each	132.65	1,194.65		
48	Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete.							38.1	
	i) double rod (80 watts) with two chokes and 2 starters.	Per set	829.15	3,569.95	Per set	829.15	3,569.95		
	ii) single rod (40 watts) with one choke and one starter.	Per set	663.30	1,995.30	Per set	663.30	1,995.30		
	iii) round tube, 32 watt, with one choke and one starter, without cover.	Each	663.30	1,751.70	Each	663.30	1,751.70		
	iv) round tube, 32 watt with one chock and one starter, with cover.	Each	552.75	1,870.35	Each	552.75	1,870.35		
49	Providing and fixing M.S. iron box for housing main switches, made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:-							ditto	
	i) 60x35x15 cm (24"x14"x6")	Each	1,732.50	8,286.05	Each	1,732.50	8,286.05		
	ii) 95x40x20 cm (38"x16"x8")	Each	2,508.00	10,481.20	Each	2,508.00	10,481.20		
	iii) 105x52.5x22.5 cm (42"x21"x9")	Each	3,815.45	14,584.25	Each	3,815.45	14,584.25		
	iv) 135x70x27.5 cm (54"x28"x11")	Each	4,207.50	21,377.40	Each	4,207.50	21,377.40		
50	Supply and erection of girder clamp hook, 16 mm (5/8") with M.S. plate 25x6 mm (1"x¼"), with bolts and nuts for hanging ceiling fans.	Each	110.55	325.35	Each	110.55	325.35	38.1 & 38.10	
51	Supply and erection of girder strut, of M.S. tee section 40x40x6 mm (1½" 1½" x ¼"), complete with clamp, bolts and nuts, etc., including fixing with cement concrete 1:3:6.	Each	141.90	2,965.00	Each	141.90	2,965.00	ditto	
52	Supply and erection of roof suspension hook, 16 mm (5/8") dia rod with 75x40x3 mm (3"x1½"x1/8") M.S. steel channel, with clamp, bolts and nuts, etc., including fixing with cement concrete 1:3:6.	Each	152.05	3,469.60	Each	152.05	3,469.60	38.1	
53	Supply and erection of roof suspension hook of M.S plate 75x40x12.7mm (3"x1½"x½") with 16 mm (5/8") hook complete with bolts, nuts and fixing with cement concrete 1:3:6	Each	202.70	1,184.00	Each	202.70	1,184.00		
54	Supply and erection of 3/8" (10 mm) dia M.S bar fan hook, placed at the time of casting of slab.	Each	23.75	83.75	Each	23.75	83.75	ditto	

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
55	Erection of circular L.T. pole in cement concrete 1:3:6 one metre below ground level (excluding the cost of pole), including cement concrete collar (1:2:4) excavation of foundation, and finishing surface.	Each	3,176.90	7,378.35	Each	3,176.90	7,378.35	38.12	
56	Supply and erection of bracket of M.S. channel 75x40x6 mm (3"x1½"x¼") section:-								
	i) 0.60 metre (2') long for 2 lines.	Each	424.30	1,379.80	Each	424.30	1,379.80		
	ii) 1.200 metre (4') long for 4 lines.	Each	495.00	3,091.30	Each	495.00	3,091.30		
57	Supply and erection of anchor rod Henley type for pole, including necessary clamps and 7/12" stay wire, straining screws, etc., erected in cement concrete 1:3:6 and collar of cement concrete.	Per Rft.	26.75	56.15	Per Meter	87.70	184.15	38.14	
58	Supply and erection of stay for house service pipe, erected with straining screws and 7/14" stay wire, complete.	Per Rft.	41.40	85.70	Per Meter	135.75	281.15	ditto	
59	Supply and erection of house service pipe Henley (G.I. pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding insulated wire and straining devices for bearer wire and other accessories etc., complete.	Per Rft.	181.10	868.25	Per Meter	594.00	2,847.85		
60	Supply and erection of house service pipe 50 mm (2") dia G.I. pipe Henley or pole type for bare copper wire overhead line, including shackle insulator, straining devices and other accessories etc.	Per Rft.	155.95	839.15	Per Meter	511.50	2,752.45		
61	Supply and erection of lightning arrestor horn type, complete.	Each	851.40	4,451.40	Each	851.40	4,451.40		
62	Supply and erection of shackle insulator, medium size.	Each	112.00	494.80	Each	112.00	494.80	38.12	
63	Supply and erection of pin insulator, green medium size.	Each	112.00	208.00	Each	112.00	208.00	ditto	
64	Supply and erection of bare copper conductor wire No. 2 to No. 10 SWG, including binding wire No. 16 SWG.	Per Kg	58.20	2,830.55	Per Kg	58.20	2,830.55	38.1	
65	Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of rubber wire or earthing wire, pole to pole etc.	Per Kg	58.20	423.40	Per Kg	58.20	423.40	ditto	
66	Wiring overhead line in Two single core, PVC/weather proof cable, on G.I. wire No. 8 SWG bearer wire and in house service pipe, including connection through joint box.							38.12	
	i) 3/0.74 mm (3/0.029")	Per Rft.	14.40	43.50	Per Meter	47.30	142.70		
	ii) 7/0.74 mm (7/0.029")	Per Rft.	14.40	59.10	Per Meter	47.30	193.85		
	iii) 7/0.91 mm (7/0.036")	Per Rft.	14.40	78.85	Per Meter	47.30	258.70		
	iv) 7/1.12 mm (7/0.044")	Per Rft.	14.40	103.95	Per Meter	47.30	340.90		
67	Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122").	Per Rft.	27.85	99.20	Per Meter	91.40	325.40	38.1	
68	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.	Each	709.50	3,378.50	Each	709.50	3,378.50		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
69	Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps):								
	i) G.E.C. design	Each	1,419.00	6,028.20	Each	1,419.00	6,028.20		
	ii) Philips design	Each	1,419.00	6,949.80	Each	1,419.00	6,949.80		
70	Supply and fitting of mercury vapour lamp, complete with choke set.								
	i) 125 watt lamp	Each	552.75	2,465.55	Each	552.75	2,465.55		
	ii) 250 watt lamp	Each	663.30	4,113.30	Each	663.30	4,113.30		
71	Manufacture and erection of angle iron lattice steel structure pole (36.0') 10,923 mm long, 9348 mm (30.5') above ground level) 355 mm (14") square at base and 204 mm (8") square at top for electric distribution line, using 1 1/4"x1 1/4"x3/16" (30x30x5 mm) angle iron legs and 3/4"x3/4"x1/8" (20x20x3 mm) angle iron bracing 420 mm (17") long fixed between legs on all the four sides in diagonal position, and 1 3/4"x1 3/4"x3/16" (45x45x5 mm) angle iron on top and 4 bands of M.S. flat iron 2"x1/4" (50x6 mm) 305 mm (12") centre to centre, as per standard drawing including silver painting of pole 3 coats, excavation and refilling of foundation cement concrete 1:2:4. 6'-0"x1'-8"x1'-8" (1807x500x500 mm) for foundation, etc, complete in all respects.	Each	23,906.50	71,838.40	Each	23,906.50	71,838.40	38.13	The composite rate will be reduced or increased by Rs. 1190.00 P.Rft for each foot (100 mm) of reduction or addition in the height of the pole above ground level.
72	Manufacture and erection of galvanized angle iron lattice steel structure pole 37 ft. (11.25 m) long 30 ft. (9 m) above ground level), 34" square (850 mm) at base, 13.75" (35 mm) square at top, for electric distribution line, using 2"x2"x5/32" (50x50x4mm) high tensile steel angle iron legs, and 1-3/8"x1-3/8"x1/8" (35x35x3 mm) M.S. angle iron bracings fixed between legs on all the four sides in diagonal position as per standard drawing including silver painting of pole, excavation and refilling of foundation, one ft. (300 mm) thick cement concrete 1:3:6 foundation of outer size 8x3 1/2'x3 1/2' (2400x1050x1050 mm), etc. complete in all respects.	Each	22,829.10	109,947.75	Each	22,829.10	109,947.75	38.13	The composite rate will be reduced or increased by Rs. 1187.45 P.Rft for each foot (300 mm) of reduction or addition in the height of the pole above ground level.
73	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge.								
	a) Single Arm								
	(i) 8 mtr height	Each	5,445.00	116,531.05	Each	5,445.00	116,531.05		
	(ii) 10 mtr height	Each	5,445.00	134,074.95	Each	5,445.00	134,074.95		
	(iii) 12 mtr height	Each	5,445.00	151,618.80	Each	5,445.00	151,618.80		
	(iv) 15 mtr height	Each	5,445.00	177,934.60	Each	5,445.00	177,934.60		
	b) Double Arm								
	(i) 8 mtr height	Each	5,445.00	121,571.30	Each	5,445.00	121,571.30		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
74	(ii) 10 mtr height	Each	5,445.00	139,115.20	Each	5,445.00	139,115.20		
	(iii) 12 mtr height	Each	5,445.00	156,659.05	Each	5,445.00	156,659.05		
	(iv) 15 mtr height	Each	5,445.00	182,974.85	Each	5,445.00	182,974.85		
	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (Harvard/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating device i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.								
	a) 140 Lm/Watt								
	(i) 30 Watt with 4200 Lumens	Each	475.20	49,642.45	Each	475.20	49,642.45		
	(ii) 50 Watt with 7000 Lumens	Each	475.20	66,899.95	Each	475.20	66,899.95		
	(iii) 60 Watt with 8400 Lumens	Each	475.20	68,227.45	Each	475.20	68,227.45		
	(iv) 90 Watt with 12600 Lumens	Each	475.20	72,873.70	Each	475.20	72,873.70		
	(v) 120 Watt with 16800 Lumens	Each	475.20	83,493.70	Each	475.20	83,493.70		
	(vi) 140 Watt with 19600 Lumens	Each	475.20	86,148.70	Each	475.20	86,148.70		
	(vii) 150 Watt with 21000 Lumens	Each	475.20	89,467.45	Each	475.20	89,467.45		
	(viii) 180 Watt with 25200 Lumens	Each	475.20	91,413.70	Each	475.20	91,413.70		
	(ix) 250 Watt with 35000 Lumens	Each	475.20	94,563.70	Each	475.20	94,563.70		
	b) 130 Lm/Watt								
	(i) 30 Watt with 3900 Lumens	Each	475.20	46,987.45	Each	475.20	46,987.45		
	(ii) 50 Watt with 6500 Lumens	Each	475.20	63,581.20	Each	475.20	63,581.20		
	(iii) 60 Watt with 7800 Lumens	Each	475.20	66,899.95	Each	475.20	66,899.95		
	(iv) 90 Watt with 11700 Lumens	Each	475.20	68,891.20	Each	475.20	68,891.20		
	(v) 120 Watt with 15600 Lumens	Each	475.20	80,174.95	Each	475.20	80,174.95		
	(vi) 140 Watt with 18200 Lumens	Each	475.20	82,694.95	Each	475.20	82,694.95		
	(vii) 150 Watt with 19500 Lumens	Each	475.20	86,265.70	Each	475.20	86,265.70		
	(viii) 180 Watt with 23400 Lumens	Each	475.20	88,904.95	Each	475.20	88,904.95		
	(ix) 250 Watt with 32500 Lumens	Each	475.20	92,009.95	Each	475.20	92,009.95		
	c) 120 Lm/Watt								
	(i) 30 Watt with 3600 Lumens	Each	475.20	44,996.20	Each	475.20	44,996.20		
	(ii) 40 Watt with 4800 Lumens	Each	475.20	54,181.85	Each	475.20	54,181.85		
	(iii) 50 Watt with 6000 Lumens	Each	475.20	57,854.95	Each	475.20	57,854.95		
	(iv) 60 Watt with 7200 Lumens	Each	475.20	63,288.70	Each	475.20	63,288.70		
	(v) 90 Watt with 10800 Lumens	Each	475.20	67,563.70	Each	475.20	67,563.70		
	(vi) 120 Watt with 14400 Lumens	Each	475.20	72,603.70	Each	475.20	72,603.70		
	(vii) 140 Watt with 16800 Lumens	Each	475.20	77,261.20	Each	475.20	77,261.20		
	(viii) 150 Watt with 18000 Lumens	Each	475.20	80,366.20	Each	475.20	80,366.20		
	(ix) 180 Watt with 21600 Lumens	Each	475.20	86,576.20	Each	475.20	86,576.20		
	(x) 250 Watt with 30000 Lumens	Each	475.20	89,681.20	Each	475.20	89,681.20		
75	Erection only, of lightning conductor of copper tape, including supply of copper staple and copper nails and cement, sand mortar.	Per Rft.	51.90	64.55	Per Meter	170.30	211.75	38.11	Rate includes all materials required in erection (excluding copper tape lightning conductor).

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
76	Supply and erection of 600 x 600 x 3 mm (2"x2"x1/8") copper plate, including revitting to copper tape and placing in mixture of salt and charcoal, etc.	Each	2,046.00	20,968.60	Each	2,046.00	20,968.60	ditto	
77	Supply and erection of copper tape, including copper staple copper nails, cement, sand, etc.								
	i) tape 40x3 mm (1½"x1/8")	Per Rft.	74.85	521.00	Per Meter	245.50	1,708.90		
	ii) tape 50x3 mm (2"x1/8")	Per Rft.	74.85	612.95	Per Meter	245.50	2,010.55		
78	Supply and erection of 25 mm (1") dia and one metre long lightning conductor copper rod with 5 spikes on ball and base, etc. complete.	Job	1,419.00	5,909.65	Job	1,419.00	5,909.65		
79	Supply and erection of electric energy meter, including meter testing fee, etc.							38.1	
	a) Single phase:								
	i) 1x10 Amp, 250 volts	Each	594.00	5,800.80	Each	594.00	5,800.80		
	ii) 1x30 Amp, 250 volts	Each	594.00	5,920.80	Each	594.00	5,920.80		
	b) Three phase, 4 wires:								
	i) 3x15 Amp, 400 volts	Each	1,188.00	20,902.30	Each	1,188.00	20,902.30		
	ii) 3x50 Amp, 400 volts	Each	1,658.25	22,013.25	Each	1,658.25	22,013.25		
	iii) 3x80 Amp, 400 volts	Each	1,658.25	22,214.85	Each	1,658.25	22,214.85		
80	Rewinding of A.C. ceiling fan, capacitor type, including cost of wire, leatheride paper cotton tape, soldering, etc.								The credit of out turn of dismantled material has been accounted for in the rate.
	i) 1200 mm (48") sweep, 275-300 RPM.	Each	977.65	2,306.05	Each	977.65	2,306.05		
	ii) 1400 mm (56") sweep, 250-275 RPM.	Each	1,054.35	2,788.35	Each	1,054.35	2,788.35		
81	Rewinding of A.C. exhaust fan, including cost of wire, leatheride paper, cotton tape, soldering, etc.								The credit of out turn of dismantled material has been accounted for in the rate.
	i) 375 mm (15") sweep, and 1300-1500 RPM	Each	792.00	1,794.00	Each	792.00	1,794.00		
	ii) 450 mm (18") sweep, and 1300-1500 RPM	Each	950.40	2,145.60	Each	950.40	2,145.60		
82	Rewinding of pedestal fan 600 mm (24") sweep, and 900-950 RPM, including wire, leatheride paper, cotton, tape, etc.	Each	950.40	2,228.40	Each	950.40	2,228.40		The credit of out turn of dismantled material has been accounted for in the rate.
83	Supply and fitting of regulator knob with shaft and plate of electric fan regulator.	Each	148.50	302.10	Each	148.50	302.10	38.1	
84	Supply and fitting of capacitor 2.2 uF, for ceiling fans.	Each	118.80	280.80	Each	118.80	280.80	ditto	
85	Supply and fitting of ball bearing of size 6201, 6202 or 6203 for ceiling fans.	Each	148.50	382.50	Each	148.50	382.50	ditto	
86	Rewinding regulator of ceiling fan 48"/56" (1200/1400 mm) sweep, to control 3/4 speeds.	Each	297.00	549.00	Each	297.00	549.00		The credit out turn of dismantled material has been accounted for in the rate.
87	Erection of ceiling fan alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work, electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary.	Each	519.65	663.65	Each	519.65	663.65		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
88	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.								
	a) Single Pole								
	(i) 1-4 Amp (6KA, 10KA)	Each	47.50	1,172.50	Each	47.50	1,172.50		
	(ii) 6-40 Amp (6 KA)	Each	47.50	1,127.50	Each	47.50	1,127.50		
	(iii) 6-63 Amp (10 KA)	Each	47.50	1,453.75	Each	47.50	1,453.75		
	b) Double Pole								
	(i) 1-4 Amp (6 KA, 10 KA)	Each	47.50	2,972.50	Each	47.50	2,972.50		
	(ii) 6-40 Amp (6 KA)	Each	47.50	3,962.50	Each	47.50	3,962.50		
	(iii) 6-63 Amp (10 KA)	Each	47.50	5,616.25	Each	47.50	5,616.25		
	c) Triple Pole								
	(i) 1-4 Amp (6 KA, 10 KA)	Each	71.30	6,990.05	Each	71.30	6,990.05		
	(ii) 6-40 Amp (6 KA)	Each	71.30	5,977.55	Each	71.30	5,977.55		
	(iii) 6-63 Amp (10 KA)	Each	71.30	8,508.80	Each	71.30	8,508.80		
	d) Four Pole								
	(i) 1-4 Amp (6KA, 10KA)	Each	71.30	10,324.55	Each	71.30	10,324.55		
	(ii) 6-40 Amp (6 KA)	Each	71.30	8,846.30	Each	71.30	8,846.30		
	(iii) 6-63 Amp (10 KA)	Each	71.30	12,446.30	Each	71.30	12,446.30		
89	Supplying , Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.								
	a) Triple Pole								
	(i) 15-63 Amp (7.5 KA)	Each	71.30	12,221.30	Each	71.30	12,221.30		
	(ii) 15-100 Amp (10 KA, 15KA)	Each	71.30	13,796.30	Each	71.30	13,796.30		
	(iii) 15-100 Amp (18 KA)	Each	71.30	14,471.30	Each	71.30	14,471.30		
	(iv) 125-250 Amp (18 KA)	Each	71.30	27,115.15	Each	71.30	27,115.15		
	(v) 15-100 Amp (25 KA)	Each	71.30	19,758.80	Each	71.30	19,758.80		
	(vi) 125-250 Amp (25KA)	Each	71.30	34,946.30	Each	71.30	34,946.30		
	(vii) 15-100 Amp (36 KA)	Each	71.30	20,321.30	Each	71.30	20,321.30		
	(viii) 125-150 Amp (36 KA)	Each	71.30	26,508.80	Each	71.30	26,508.80		
	(ix) 200-250 Amp (36 KA)	Each	71.30	47,321.30	Each	71.30	47,321.30		
	(x) 300-630 Amp (36 KA)	Each	71.30	93,375.85	Each	71.30	93,375.85		
	(xi) 300-630 Amp (50 KA)	Each	71.30	107,537.85	Each	71.30	107,537.85		
	b) Four Pole								
	(i) 15-100 Amp (18KA)	Each	83.15	33,833.15	Each	83.15	33,833.15		
	(ii) 125-250 Amp (18 KA)	Each	83.15	42,833.15	Each	83.15	42,833.15		
	(iii) 15-100 Amp (25 KA)	Each	83.15	33,833.15	Each	83.15	33,833.15		
	(iv) 125-250 Amp (25 KA)	Each	83.15	73,383.65	Each	83.15	73,383.65		
	(v) 15-200 Amp (36 KA)	Each	83.15	36,083.15	Each	83.15	36,083.15		
	(vi) 225-630 Amp (36 KA)	Each	83.15	115,881.65	Each	83.15	115,881.65		
	(vii) 300-630 Amp (50 KA)	Each	83.15	189,025.80	Each	83.15	189,025.80		

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
90	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL or approved equivalent manufacturer (with adjustable Thermal-Magnetic Trip) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.								
	a) Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip (60-100%)								
	(i) 25-100 Amp(25 KA)	Each	59.40	19,859.40	Each	59.40	19,859.40		
	(ii) 125-400 Amp(25 KA)	Each	59.40	56,459.70	Each	59.40	56,459.70		
	(iii) 32-100 Amp(36 KA)	Each	59.40	24,359.40	Each	59.40	24,359.40		
	(iv) 125-160 Amp(36 KA)	Each	59.40	36,959.40	Each	59.40	36,959.40		
	(v) 200-250 Amp(36 KA)	Each	59.40	49,559.40	Each	59.40	49,559.40		
	(vi) 300-1000 Amp(36 KA)	Each	59.40	151,934.40	Each	59.40	151,934.40		
	(vii) 16-100 Amp(50 KA)	Each	59.40	40,559.40	Each	59.40	40,559.40		
	(viii) 125-160 Amp(50 KA)	Each	59.40	61,934.40	Each	59.40	61,934.40		
	(ix) 200-400 Amp(50 KA)	Each	59.40	99,029.25	Each	59.40	99,029.25		
	(x) 630-1600 Amp(50 KA)	Each	59.40	348,669.90	Each	59.40	348,669.90		
	(xi) 16-80 Amp(70 KA)	Each	59.40	45,059.40	Each	59.40	45,059.40		
	(xii) 100-160 Amp(70 KA)	Each	59.40	67,559.40	Each	59.40	67,559.40		
	(xiii) 250-630 Amp(70 KA)	Each	59.40	191,309.40	Each	59.40	191,309.40		
	(xiv) 800-1250 Amp(70 KA)	Each	59.40	405,059.40	Each	59.40	405,059.40		
	(xv) 1600-3200 Amp(70 KA)	Each	59.40	506,309.40	Each	59.40	506,309.40		
	b) Four Pole With Adjustable Thermal-Magnetic Trip/Electronic Trip (40-100%)								
	(i) 25-60 Amp(25 KA)	Each	71.30	36,071.30	Each	71.30	36,071.30		
	(ii) 80-160 Amp(25 KA)	Each	71.30	40,571.30	Each	71.30	40,571.30		
	(iii) 32-63 Amp(36 KA)	Each	71.30	39,520.55	Each	71.30	39,520.55		
	(iv) 80-160 Amp(36 KA)	Each	71.30	51,371.30	Each	71.30	51,371.30		
	(v) 200-630 Amp(36 KA)	Each	71.30	167,921.30	Each	71.30	167,921.30		
	(vi) 800-1000 Amp(36KA)	Each	71.30	450,071.30	Each	71.30	450,071.30		
	(vii) 60-250 Amp(50 KA)	Each	71.30	121,353.05	Each	71.30	121,353.05		
	(viii) 400-630 Amp(50 KA)	Each	71.30	230,696.30	Each	71.30	230,696.30		
	(ix) 800 Amp(50 KA)	Each	71.30	393,821.30	Each	71.30	393,821.30		
	(x) 1000-1250 Amp(50KA)	Each	71.30	478,196.30	Each	71.30	478,196.30		
	(xi) 1600 Amp(50 KA)	Each	71.30	562,571.30	Each	71.30	562,571.30		
	(xii) 32-80 Amp(70 KA)	Each	71.30	78,821.30	Each	71.30	78,821.30		
	(xiii) 100-250 Amp(70 KA)	Each	71.30	95,696.30	Each	71.30	95,696.30		
	(xiv) 400-630 Amp(70 KA)	Each	71.30	209,321.30	Each	71.30	209,321.30		
	(xv) 800 Amp(70 KA)	Each	71.30	423,017.85	Each	71.30	423,017.85		
	(xvi) 1000-1600 Amp(70 KA)	Each	71.30	556,946.30	Each	71.30	556,946.30		
91	P/F ACB (Air Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERLAND or approved equivalent manufacturer in prelaidd Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.								
	a) Triple Pole (65 KA)								
	(i) 800 Amp	Each	71.30	666,071.30	Each	71.30	666,071.30		
	(ii) 1000-1250 Amp	Each	71.30	627,570.20	Each	71.30	627,570.20		
	(iii) 1600 Amp	Each	71.30	721,643.75	Each	71.30	721,643.75		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(iv) 2000 Amp b) Tripple Pole (85-100 KA)	Each	71.30	837,071.30	Each	71.30	837,071.30		
	(i) 2500 Amp	Each	71.30	1,112,617.25	Each	71.30	1,112,617.25		
	(ii) 3200 Amp	Each	71.30	1,287,545.20	Each	71.30	1,287,545.20		
	(iii) 4000 Amp	Each	71.30	1,320,767.85	Each	71.30	1,320,767.85		
	c) Four Pole (65-100 KA)								
	(i) 800 Amp	Each	71.30	765,071.30	Each	71.30	765,071.30		
	(ii) 1000 Amp	Each	71.30	787,571.30	Each	71.30	787,571.30		
	(iii) 1250 Amp	Each	71.30	787,571.30	Each	71.30	787,571.30		
	(iv) 1600 Amp	Each	71.30	877,571.30	Each	71.30	877,571.30		
	(v) 2000 Amp	Each	71.30	1,170,071.30	Each	71.30	1,170,071.30		
	(vi) 2500 Amp	Each	71.30	1,237,571.30	Each	71.30	1,237,571.30		
	(vii) 3200 Amp	Each	71.30	1,575,071.30	Each	71.30	1,575,071.30		
	(viii) 4000 Amp	Each	71.30	2,210,786.30	Each	71.30	2,210,786.30		
	(ix) 6300 Amp	Each	71.30	2,281,419.40	Each	71.30	2,281,419.40		
92	P/F 17.5 KV, 630 Amp, 25 KA Vacuum Circuit Breaker of specified current rating & breaking capacity, draw out type (DOT), operating voltages 11KV, made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL or as approved by WAPDA/ Local Power Distribution Authority/ NTDC, with closing/ opening coil 100-130 V AC/DC, Motor mechanism 220 VAC, in prelaidd Panels i/c the cost of protection relays, screws necessary wire complete in all respect as approved and directed by the Engineer Incharge.	Each	6,138.00	2,466,138.00	Each	6,138.00	2,466,138.00		
93	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).								
	(a) 6" deep								
	(i) 20~60A	P.Cft	2,211.00	24,422.65					
	(ii) 75~100A	P.Cft	2,367.40	18,748.20					
	(b) 12" deep								
	(i) 125~150A	P.Cft	841.50	7,118.05					
	(ii) 160~200A	P.Cft	858.00	6,285.85					
94	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switches, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).								
	1. LT Switchboards								
	a) 2.50 Ft deep								
	(i)250~600A	P.Cft	242.00	4,343.85					
	(ii)800~1200A	P.Cft	242.00	5,325.20					
	b) 3.00 Ft deep								
	(i)1600~2000A	P.Cft	242.00	7,849.80					

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
95	(ii) 2500-3200A	P.Cft	252.70	11,806.30					
	2. HT Switchboards (Industrial/metering pannel, Grid end/consumer pannel, tranformer protection pannel & pad mounted ring main unit) As per WAPDA standard								
	a) 3.00 Ft deep								
	(i) 630 -2500A	P.Cft	185.10	5,407.30					
	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights, Brass glands, Natural & Earth bar, thimbles, Digital volt meter/ Amp meter, Selector switch, Current transformers, Controles, Channels, Copper bus bars of specified capacity ,Relays, Door Earthing, complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally)								
	a) 1.00 Ft deep								
	(i) 15-40 KVA	Each	12,078.00	949,603.15	Each	12,078.00	949,603.15		
	(ii) 50-100 KVA	Each	13,266.00	961,831.15	Each	13,266.00	961,831.15		
	b) 2.00 Ft deep								
	(i) 125-250 KVA	Each	13,266.00	2,317,611.55	Each	13,266.00	2,317,611.55		
96	c) 2.50 Ft deep								
	(i) 300-500 KVA	Each	15,642.00	4,335,541.05	Each	15,642.00	4,335,541.05		
	(ii) 630-1000 KVA	Each	15,642.00	6,460,170.70	Each	15,642.00	6,460,170.70		
	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratitngs, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, power capacitors, Magnetic contactors, HRC fuses, Power factor controllers, Indication lights, Copper comb, Wiring, Natural & Earth bar, Door earthing, brass glands, push buttons, CTS, Controle MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge.								
	i) 62.5KVAr	Each	16,962.75	290,249.40	Each	16,962.75	290,249.40		
	ii) 100KVAr	Each	16,962.75	357,818.40	Each	16,962.75	357,818.40		
	iii) 150KVAr	Each	16,962.75	509,872.30	Each	16,962.75	509,872.30		
	iv) 250KVAr	Each	16,962.75	781,900.70	Each	16,962.75	781,900.70		
	v) 300KVAr	Each	19,230.75	1,131,159.15	Each	19,230.75	1,131,159.15		
	vi) 400KVAr	Each	19,230.75	1,205,559.15	Each	19,230.75	1,205,559.15		
	vii) 500KVAr	Each	21,262.50	1,649,432.40	Each	21,262.50	1,649,432.40		
	viii) 600KVAr	Each	21,262.50	1,768,232.40	Each	21,262.50	1,768,232.40		
	ix) 800KVAr	Each	21,262.50	2,016,632.40	Each	21,262.50	2,016,632.40		
	x) 1000KVAr	Each	25,326.00	2,637,035.80	Each	25,326.00	2,637,035.80		
	xi) 1500KVAr	Each	25,326.00	3,808,063.10	Each	25,326.00	3,808,063.10		
	xii) 2000KVAr	Each	25,326.00	4,891,382.40	Each	25,326.00	4,891,382.40		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
97	Providing and fixing DB/Panel accessories of required rating and size i/c copper screws of approved brand Complete in all respect as approved and directed by the Engineer Incharge.								
	(i) Selector Switch	Each	47.50	1,223.50	Each	47.50	1,223.50		
	(ii) Current Transformer Coil (Make: Metelx/Fico)	Each	47.50	2,129.05	Each	47.50	2,129.05		
	(iii) Digital Voltmeter (0-600 Volt)	Each	47.50	1,007.50	Each	47.50	1,007.50		
	(iv) Digital Ammeter (0-9999 Amp)	Each	47.50	1,223.50	Each	47.50	1,223.50		
	(v) LED Phase Indicator	Each	47.50	617.50	Each	47.50	617.50		
	(vi) Push Button ON/OFF (Make: Schneider/Himal/Eqv.)	Each	47.50	625.85	Each	47.50	625.85		
	(vii) Auxiliary Contactor. (Make: Schneider/ Terasaki/ABB)	Each	47.50	5,368.50	Each	47.50	5,368.50		
	(viii) Control MCB S/P 6A (Make: Schneider/ Terasaki/ABB)	Each	47.50	1,370.50	Each	47.50	1,370.50		
	(ix) Surge Suppressors.	Each	47.50	1,055.50	Each	47.50	1,055.50		
	(x) Auto/Manual Switch 3-Steps (Make: GGT/Camsco)	Each	47.50	2,252.50	Each	47.50	2,252.50		
	(xi) Exhaust Fan with Louvers (Make: Imported/Plastim)	Each	47.50	3,827.50	Each	47.50	3,827.50		
	(xii) Temperature Regulator 0-60C	Each	47.50	2,129.05	Each	47.50	2,129.05		
	(xiii) Power Capacitors								
	(a) 12.5 KVAR	Each	47.50	16,847.50	Each	47.50	16,847.50		
	(b) 25 KVAR	Each	47.50	25,847.50	Each	47.50	25,847.50		
	(c) 50 KVAR	Each	47.50	66,047.50	Each	47.50	66,047.50		
	(d) 100 KVAR	Each	47.50	188,025.10	Each	47.50	188,025.10		
	(xiv) Power Capacitors with Harmonic Blocker								
	(a) for 12.5 KVAR	Each	47.50	46,843.90	Each	47.50	46,843.90		
	(b) for 25 KVAR	Each	47.50	51,601.90	Each	47.50	51,601.90		
	(c) for 50 KVAR	Each	47.50	98,751.10	Each	47.50	98,751.10		
	(xv) Magnetic Contactor								
	(a) 25 A (AC 3) for 12.5 KVAR	Each	47.50	12,395.50	Each	47.50	12,395.50		
	(b) 40 A (AC 3) for 25 KVAR	Each	47.50	23,357.50	Each	47.50	23,357.50		
	(c) 80 A (AC 3) for 50 KVAR	Each	47.50	46,037.50	Each	47.50	46,037.50		
	(d) 185A (AC3) 4-Pole	Each	47.50	166,367.50	Each	47.50	166,367.50		
	(e) 630A (AC3) 4-Pole	Each	47.50	708,047.50	Each	47.50	708,047.50		
	(f) 1250A ACB 65 KA (AC 3) Adj. 4-Pole	Each	47.50	1,116,629.30	Each	47.50	1,116,629.30		
	(g) 2000A ACB 65 KA Adj. (AC 3) 4-Pole	Each	47.50	1,150,096.15	Each	47.50	1,150,096.15		
	(xvi) HRC Fuses With Base								
	(a) 32 Amp	Each	47.50	1,866.95	Each	47.50	1,866.95		
	(b) 63 Amp	Each	47.50	1,874.50	Each	47.50	1,874.50		
	(c) 125 Amp	Each	47.50	2,567.50	Each	47.50	2,567.50		
	(xvii) Power Factor Controller								
	(a) 6 Steps	Each	47.50	55,247.50	Each	47.50	55,247.50		
	(b) 12 Steps	Each	47.50	64,247.50	Each	47.50	64,247.50		
98	Supplying, Installation, testing and commissioning of 415-Volt ,5 Pole (TP+N+E) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwich copper Bus bars, insulated with non-flammable/flame resistant resin applied at 130 OC by Automatic Electro-static application with Maylar Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories, enclosures IP55, IEC 61439-1, complete in all respect, spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge.								
	(i) 400 Amp	P.Rft	90.70	29,540	Per Meter	297.55	96,890		
	(ii) 630 Amp	P.Rft	90.70	38,154	Per Meter	297.55	125,144		
	(iii) 800 Amp	P.Rft	90.70	50,340	Per Meter	297.55	165,115		
	(iv) 1000 Amp	P.Rft	90.70	59,953	Per Meter	297.55	196,647		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(v) 1250 Amp	P.Rft	90.70	66,426	Per Meter	297.55	217,878		
	(vi) 1600 Amp	P.Rft	90.70	82,548	Per Meter	297.55	270,758		
	(vii) 2000 Amp	P.Rft	90.70	101,442	Per Meter	297.55	332,729		
	(viii) 2500 Amp	P.Rft	113.40	114,312	Per Meter	371.95	374,944		
	(ix) 3200 Amp	P.Rft	113.40	138,177	Per Meter	371.95	453,221		
	(x) 3600 Amp	P.Rft	113.40	151,058	Per Meter	371.95	495,470		
	(xi) 4000 Amp	P.Rft	113.40	166,520	Per Meter	371.95	546,187		
	(xii) 4250 Amp	P.Rft	113.40	185,361	Per Meter	371.95	607,984		
	(xiii) 5000 Amp	P.Rft	136.10	209,336	Per Meter	446.35	686,622		
	(xiv) 6300 Amp	P.Rft	136.10	249,142	Per Meter	446.35	817,184		
99	Suplying,Installation,testing and commissioning of 415-Volt ,5 Pole (TP+N+E) compact joint modules for Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick copper Bus bars,insulated with non-flammable/flame resistant resin applied at 130 OC by Automatic Electro-static application/with epoxy coated insulation with Mayler Class-B, housed in Aluminium Housing i/c the cost of, accessories,enclosures IP55, IEC 61439-1, complete in all respect,as approved & directed by the Engineer Incharge.								
	a) Flange End								
	(i) 400-800 Amp	Each	453.60	34,233.60	Each	453.60	34,233.60		
	(ii) 1000-1600 Amp	Each	453.60	62,925.10	Each	453.60	62,925.10		
	(iii) 1600-2000 Amp	Each	453.60	72,206.05	Each	453.60	72,206.05		
	(iv) 2500-3200 Amp	Each	453.60	92,922.10	Each	453.60	92,922.10		
	(v) 4000 Amp	Each	453.60	119,567.65	Each	453.60	119,567.65		
	(vi) 4250-6300 Amp	Each	453.60	141,861.10	Each	453.60	141,861.10		
	b) Elbow 90 degree								
	(i) 400-800 Amp	Each	453.60	40,155.10	Each	453.60	40,155.10		
	(ii) 1000-1600 Amp	Each	453.60	60,778.80	Each	453.60	60,778.80		
	(iii) 1600-2000 Amp	Each	453.60	77,639.15	Each	453.60	77,639.15		
	(iv) 2500-3200 Amp	Each	453.60	103,420.10	Each	453.60	103,420.10		
	(v) 4000-6300 Amp	Each	453.60	140,583.35	Each	453.60	140,583.35		
	c) Reducer/Tee joint								
	(i) 400-800 Amp	Each	453.60	43,284.95	Each	453.60	43,284.95		
	(ii) 1000-1600 Amp	Each	453.60	64,536.10	Each	453.60	64,536.10		
	(iii) 1600-2000 Amp	Each	453.60	81,925.40	Each	453.60	81,925.40		
	(iv) 2500-3200 Amp	Each	453.60	108,513.90	Each	453.60	108,513.90		
	(v) 4000-6300 Amp	Each	453.60	148,735.60	Each	453.60	148,735.60		
	d) Flexible Connector								
	(i) 2500-3200 Amp	Each	453.60	456,378.60	Each	453.60	456,378.60		
	(ii) 4000-4250 Amp	Each	453.60	607,687.80	Each	453.60	607,687.80		
	(iii) 6300 Amp	Each	453.60	769,085.30	Each	453.60	769,085.30		
	e) 4 pole TAP OFF Units i/c the cost of, circuit breakers								
	(i) 400 Amp (50 KA)	Each	453.60	373,805.55	Each	453.60	373,805.55		
	(ii) 630-800 Amp (50 KA)	Each	453.60	652,039.15	Each	453.60	652,039.15		
	(iii) 1000-1250 Amp (50 KA)	Each	453.60	760,460.05	Each	453.60	760,460.05		
	(iv) 1600-2000 Amp (50 KA)	Each	453.60	1,031,460.40	Each	453.60	1,031,460.40		
	(v) 2500-6300 Amp (50 KA)	Each	453.60	1,679,423.10	Each	453.60	1,679,423.10		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
100	Providing and fixing specified deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. 16SWG a) 2" deep (i) 4"x 2" (ii) 6"x 2" (iii) 8"x 2" (iv) 10"x 2" b) 3" deep (i) 4"x3" (ii) 6"x3" (iii) 8"x3" (iv) 10"x3"	Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	191.55 191.55 191.55 191.55 212.85 212.85 212.85 212.85	352.85 392.70 436.15 476.00 524.45 642.70 684.45 745.90	Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter	628.35 628.35 628.35 628.35 698.15 698.15 698.15 698.15	1,157.30 1,288.00 1,430.50 1,561.35 1,720.20 2,108.05 2,245.05 2,446.55		
101	Providing and fixing 4" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung,supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. a)16SWG (i) 4"x4" (ii) 9"x4" (iii) 10"x4"	Per Rft Per Rft Per Rft	255.40 255.40 255.40	648.65 911.50 1,192.85	Per Meter Per Meter Per Meter	837.80 837.80 837.80	2,127.55 2,989.80 3,912.60		
102	Providing and fixing 4" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 3 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. 14 SWG (i) 12"x4" (ii) 14"x4" (iii) 16"x4" (iv) 20"x4" (v) 24"x4" (vi) 28"x4" (vii) 31"x4" (viii) 35"x4"	Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	255.40 255.40 255.40 255.40 255.40 272.45 272.45 272.45	1,526.10 1,549.70 1,737.90 1,823.80 1,952.75 2,176.25 2,302.80 2,435.75	Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter	837.80 837.80 837.80 837.80 837.80 893.65 893.65 893.65	5,005.55 5,083.00 5,700.25 5,982.00 6,405.10 7,138.00 7,553.15 7,989.25		
103	Providing and fixing screwless cable tray cover fabricated with 18 SWG G.I. Sheet of required size i/c the cost of hardware as approved and directed by the Engineer Incharge. i) 2" wide ii) 4" wide iii) 6" wide iv) 8" wide v) 10" wide vi) 12" wide vii) 16" wide	Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	21.30 21.30 21.30 21.30 31.95 31.95 31.95	89.00 115.85 146.00 178.05 220.70 250.85 314.90	Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter	69.80 69.80 69.80 69.80 104.70 104.70 104.70	291.85 380.05 478.90 583.95 723.90 822.80 1,032.90		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
104	viii) 20" wide	Per Rft	31.95	377.10	Per Meter	104.70	1,236.80		
	ix) 24" wide	Per Rft	42.55	451.80	Per Meter	139.65	1,481.85		
	x) 28" wide	Per Rft	42.55	792.95	Per Meter	139.65	2,600.85		
	xi) 31" wide	Per Rft	42.55	867.95	Per Meter	139.65	2,846.85		
	xii) 35" wide	Per Rft	46.85	971.20	Per Meter	153.60	3,185.55		
	Providing and fixing hot dipped Galvanized Cable Ladder fabricated with side channels of specified size and guage duly fixed with rungs of 35x15 mm run @ 10"C/C i/c the cost of coupler plates (1-1/4"x8") and hardwares as approved and directed by the Engineer Incharge.								
	I-Side Channel (2" x1/2")								
	(a) 16SWG								
	(i) 4"x2"	Per Rft	85.15	261.30	Per Meter	279.25	857.15		
	(ii) 6"x2"	Per Rft	85.15	270.15	Per Meter	279.25	886.05		
	(iii) 8"x2"	Per Rft	85.15	277.70	Per Meter	279.25	910.85		
	(iv) 12"x2"	Per Rft	85.15	301.65	Per Meter	279.25	989.40		
	(v) 18"x2"	Per Rft	85.15	346.50	Per Meter	279.25	1,136.50		
	(vi) 24"x2"	Per Rft	85.15	360.85	Per Meter	279.25	1,183.65		
	(vii) 30"x2"	Per Rft	85.15	399.90	Per Meter	279.25	1,311.75		
	(viii) 36"x2"	Per Rft	85.15	432.70	Per Meter	279.25	1,419.20		
	(b) 14SWG								
	(i) 4"x2"	Per Rft	85.15	294.10	Per Meter	279.25	964.60		
	(ii) 6"x2"	Per Rft	85.15	301.65	Per Meter	279.25	989.40		
	(iii) 8"x2"	Per Rft	85.15	368.40	Per Meter	279.25	1,208.45		
	(iv) 12"x2"	Per Rft	85.15	382.30	Per Meter	279.25	1,253.90		
	(v) 18"x2"	Per Rft	85.15	429.65	Per Meter	279.25	1,409.30		
	(vi) 24"x2"	Per Rft	85.15	456.60	Per Meter	279.25	1,497.75		
	(vii) 30"x2"	Per Rft	85.15	489.40	Per Meter	279.25	1,605.20		
	(viii) 36"x2"	Per Rft	85.15	529.70	Per Meter	279.25	1,737.45		
	II-Side Channel (3" x1/2")								
	(c) 16SWG								
	(i) 4"x3"	Per Rft	85.15	301.65	Per Meter	279.25	989.40		
	(ii) 6"x3"	Per Rft	85.15	318.00	Per Meter	279.25	1,043.10		
	(iii) 8"x3"	Per Rft	85.15	328.10	Per Meter	279.25	1,076.20		
	(iv) 12"x3"	Per Rft	85.15	341.95	Per Meter	279.25	1,121.65		
	(v) 18"x3"	Per Rft	85.15	394.40	Per Meter	279.25	1,293.55		
	(vi) 24"x3"	Per Rft	85.15	416.30	Per Meter	279.25	1,365.50		
	(vii) 30"x3"	Per Rft	85.15	449.05	Per Meter	279.25	1,472.95		
	(viii) 36"x 3"	Per Rft	85.15	480.55	Per Meter	279.25	1,576.25		
	(d) 14SWG								
	(i) 4"x3"	Per Rft	85.15	352.05	Per Meter	279.25	1,154.70		
	(ii) 6"x3"	Per Rft	85.15	368.40	Per Meter	279.25	1,208.45		
	(iii) 8"x3"	Per Rft	85.15	376.00	Per Meter	279.25	1,233.25		
	(iv) 12"x3"	Per Rft	85.15	399.90	Per Meter	279.25	1,311.75		
	(v) 18"x3"	Per Rft	85.15	452.35	Per Meter	279.25	1,483.70		
	(vi) 24"x3"	Per Rft	85.15	480.55	Per Meter	279.25	1,576.25		
	(vii) 30"x 3"	Per Rft	85.15	529.70	Per Meter	279.25	1,737.45		
	(viii) 36"x 3"	Per Rft	85.15	561.20	Per Meter	279.25	1,840.75		
	III-Side Channel (4" x1/2")								
	(e) 16SWG								
	(i) 4"x 4"	Per Rft	85.15	677.55	Per Meter	279.25	2,222.40		
	(ii) 6"x 4"	Per Rft	85.15	716.65	Per Meter	279.25	2,350.55		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(iii) 8"x 4"	Per Rft	85.15	754.45	Per Meter	279.25	2,474.50		
	(iv) 12"x 4"	Per Rft	85.15	832.55	Per Meter	279.25	2,730.75		
	(v) 18"x 4"	Per Rft	85.15	958.75	Per Meter	279.25	3,144.65		
	(vi) 24"x 4"	Per Rft	85.15	1,063.15	Per Meter	279.25	3,487.05		
	(f) 14SWG								
	(i) 4"x4"	Per Rft	85.15	791.65	Per Meter	279.25	2,596.60		
	(ii) 6"x4"	Per Rft	85.15	814.90	Per Meter	279.25	2,672.90		
	(iii) 8"x4"	Per Rft	85.15	838.85	Per Meter	279.25	2,751.40		
	(iv) 12"x4"	Per Rft	85.15	885.45	Per Meter	279.25	2,904.35		
	(v) 18"x4"	Per Rft	85.15	968.80	Per Meter	279.25	3,177.70		
	(vi) 24"x4"	Per Rft	85.15	1,029.10	Per Meter	279.25	3,375.45		
105	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Exhaust Fan i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.								
	a) Plastic body								
	(i) 10" dia	Each	106.45	5,566.45	Each	106.45	5,566.45		
	(ii) 12" dia	Each	106.45	6,046.45	Each	106.45	6,046.45		
	b) Steel body								
	(i) 12" sweep	Each	106.45	5,866.45	Each	106.45	5,866.45		
	(ii) 18" sweep	Each	106.45	7,066.45	Each	106.45	7,066.45		
106	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.								
	i) 18" Sweep dia	Each	106.45	7,300.45	Each	106.45	7,300.45		
	ii) 24" Sweep dia	Each	106.45	11,398.45	Each	106.45	11,398.45		
107	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.								
	i) 36" dia	Each	255.40	8,949.40	Each	255.40	8,949.40		
	ii) 48" dia	Each	255.40	10,095.40	Each	255.40	10,095.40		
	iii) 56" dia	Each	255.40	10,815.40	Each	255.40	10,815.40		
108	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equivalent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge								
	a) One way Gange Switch (Small)								
	(i) 01 Gange	Each	118.80	450.00	Each	118.80	450.00		
	(ii) 02 Gange	Each	118.80	691.20	Each	118.80	691.20		
	(iii) 03 Gange	Each	118.80	874.80	Each	118.80	874.80		
	(iv) Three pin Light Plug 10/13 Amp	Each	118.80	741.25	Each	118.80	741.25		
	(v) Telephone / TV/Datacable socket	Each	118.80	649.25	Each	118.80	649.25		
	(vi) Fan Dimmer	Each	118.80	727.40	Each	118.80	727.40		
	(vii) Bell push	Each	118.80	585.00	Each	118.80	585.00		
	(viii) Three Pin Power Plug 15-32 Amp	Each	118.80	911.35	Each	118.80	911.35		
	ix) 20 A Double Pole Switch For A/C	Each	118.80	2,638.80	Each	118.80	2,638.80		
	b) One way Gange Switch (Large)								
	(i) 04 Gange	Each	118.80	968.05	Each	118.80	968.05		
	(ii) 05 Gange	Each	118.80	1,138.15	Each	118.80	1,138.15		
	(iii) 06 Gange	Each	118.80	1,392.65	Each	118.80	1,392.65		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	c) Two way Gange Switch (Small)								
	(i) 01 Gange one way/ Two way	Each	118.80	486.70	Each	118.80	486.70		
	(ii) 02 Gange	Each	118.80	762.65	Each	118.80	762.65		
	(iii) 03 Gange	Each	118.80	911.35	Each	118.80	911.35		
	(iv) 04 Gange	Each	118.80	1,095.30	Each	118.80	1,095.30		
	d) Industrial Socket IP-65 with maching plug.								
	i) 16A, 3-pin Single Phase Industrial Socket.	Each	212.85	2,372.85	Each	212.85	2,372.85		
	ii) 32A, 3-pin Single Phase Industrial Socket.	Each	212.85	3,222.45	Each	212.85	3,222.45		
	iii) 63A, 3-pin Single Phase Industrial Socket.	Each	212.85	13,594.05	Each	212.85	13,594.05		
	iv) 16A, 5-pin Three Phase Industrial Socket.	Each	283.80	2,656.20	Each	283.80	2,656.20		
	v) 32A, 5-pin Three Phase Industrial Socket.	Each	283.80	3,469.80	Each	283.80	3,469.80		
	vi) 63A, 5-pin Three Phase Industrial Socket.	Each	283.80	15,151.80	Each	283.80	15,151.80		
	vii) 16A, 3-pin Single Phase Industrial Plug.	Each	141.90	1,416.30	Each	141.90	1,416.30		
	viii) 32A, 3-pin Single Phase Industrial Plug.	Each	141.90	2,265.90	Each	141.90	2,265.90		
	ix) 63A, 3-pin Single Phase Industrial Plug.	Each	141.90	8,637.90	Each	141.90	8,637.90		
	x) 16A, 5-pin Three Phase Industrial Plug.	Each	141.90	1,735.50	Each	141.90	1,735.50		
	xi) 32A, 5-pin Three Phase Industrial Plug.	Each	141.90	2,443.50	Each	141.90	2,443.50		
	xii) 63A, 5-pin Three Phase Industrial Plug.	Each	141.90	9,345.90	Each	141.90	9,345.90		
109	Supply, installation, testing & commissioning of 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, including accessories, , complete in all respect as per specifications and as approved by Engineer Incharge								
	i) Small 3"x3"	Each	170.30	553.10	Each	170.30	553.10		
	ii) Large 6"x3"	Each	170.30	694.70	Each	170.30	694.70		
110	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge								
	i) Small	Each	118.80	179.30	Each	118.80	179.30		
	ii) Large	Each	118.80	208.25	Each	118.80	208.25		
111	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer pole mounted of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V specified impedance as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, Transopower, Elmetec or as approved and directed by the Engineer								
	a) 4% impedance without buchholz relay								
	(i) 10 KVA	Each	9,745	275,381	Each	9,745	275,381		
	(ii) 15 KVA	Each	9,745	396,131	Each	9,745	396,131		
	(iii) 25 KVA	Each	9,745	639,007	Each	9,745	639,007		
	(iv) 50 KVA	Each	9,745	883,550	Each	9,745	883,550		
	(v) 100 KVA	Each	9,745	1,235,631	Each	9,745	1,235,631		
	(vi) 200 KVA	Each	9,745	1,753,131	Each	9,745	1,753,131		
	(vii) 300 KVA	Each	9,745	2,821,769	Each	9,745	2,821,769		
	(viii) 400 KVA	Each	9,745	3,347,350	Each	9,745	3,347,350		
	(ix) 630 KVA	Each	9,745	4,243,472	Each	9,745	4,243,472		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
112	b) 5% impedance with buchholz relay and LT box								
	(i) 750 KVA	Each	9,745	5,146,206	Each	9,745	5,146,206		
	(ii) 1000 KVA	Each	9,745	6,008,131	Each	9,745	6,008,131		
	(iii) 1250 KVA	Each	9,745	7,158,131	Each	9,745	7,158,131		
	c) 6% impedance with buchholz relay and LT box								
	(i) 1500 KVA	Each	9,745	8,578,131	Each	9,745	8,578,131		
	(ii) 2000 KVA	Each	9,745	10,040,631	Each	9,745	10,040,631		
	Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.								
	i) 10A SPN Isolator Indoor/Outdoor type.	Each	170.30	4,730.30	Each	170.30	4,730.30		
	ii) 16A SPN Isolator Indoor/Outdoor type.	Each	170.30	4,730.30	Each	170.30	4,730.30		
	iii) 25A SPN Isolator Indoor/Outdoor type.	Each	170.30	4,970.30	Each	170.30	4,970.30		
	iv) 32A SPN Isolator Indoor/Outdoor type.	Each	170.30	4,970.30	Each	170.30	4,970.30		
	v) 40A SPN Isolator Indoor/Outdoor type.	Each	170.30	5,289.50	Each	170.30	5,289.50		
	vi) 63A SPN Isolator Indoor/Outdoor type.	Each	170.30	7,209.50	Each	170.30	7,209.50		
	vii) 10A TPN Isolator Indoor/Outdoor type.	Each	212.85	6,212.85	Each	212.85	6,212.85		
	viii) 16A TPN Isolator Indoor/Outdoor type.	Each	212.85	6,212.85	Each	212.85	6,212.85		
	ix) 25A TPN Isolator Indoor/Outdoor type.	Each	212.85	6,212.85	Each	212.85	6,212.85		
	x) 32A TPN Isolator Indoor/Outdoor type.	Each	212.85	6,532.05	Each	212.85	6,532.05		
	xi) 40A TPN Isolator Indoor/Outdoor type.	Each	212.85	6,772.05	Each	212.85	6,772.05		
	xii) 63A TPN Isolator Indoor/Outdoor type.	Each	212.85	10,932.45	Each	212.85	10,932.45		
	xiii) 100A TPN Isolator Indoor/Outdoor type.	Each	283.80	93,739.80	Each	283.80	93,739.80		
	xiv) 125A TPN Isolator Indoor/Outdoor type.	Each	283.80	95,155.80	Each	283.80	95,155.80		
	xv) 150A TPN Isolator Indoor/Outdoor type.	Each	283.80	124,031.40	Each	283.80	124,031.40		
	xvi) 200A TPN Isolator Indoor/Outdoor type.	Each	283.80	198,523.80	Each	283.80	198,523.80		
	xvii) 250A TPN Isolator Indoor/Outdoor type.	Each	283.80	246,667.80	Each	283.80	246,667.80		
<u>DATA CABLING SYSTEM</u>									
113	Supply, Installation and commissioning of wiring with 4-pair data Cable, 23 AWG UL/EN listed cable * Conforming to following standards: TIA/EIA 568 / ISO/IEC 11801, in prelaid conduit / cable tray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/3M Corning USA/ D-Link/ Pollo Australian or equivalent approved manufacturer, complete in all respect as approved and directed by Engineer Incharge.							38.1 to 38.7	
	a) UTP (Unshielded Twisted pair)								
	(i)CAT-6 (Min.1G @ 250MHz or higher)	Per Rft	4.30	48.70	Per Meter	14.15	159.80		
	(ii)CAT-6A (Min.1G/ 10G @ 500MHz or higher)	Per Rft	4.30	69.10	Per Meter	14.15	226.70		
	b) STP (Shielded Twisted pair)								
	(i)CAT-7 (Min.1G/ 10G @ 600MHz or higher)	Per Rft	4.30	87.10	Per Meter	14.15	285.75		
	c) FTP (Foiled Twisted pair)								
	(i)CAT-5e	Per Rft	4.30	42.70	Per Meter	14.15	140.10		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
114	Supply, Installation and commissioning of wiring with Multimode OM3 Armored Fiber Optic Cable Central Loose Tube for 10 Giga Fiber Optic Connection UL/EN listed cable or equivalent approved manufacturer, in pre-laid cable tray from Main Cabinet to Floor Level Cabinets, including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-Connect UK/3M Corning USA/ D-Link/ Pollo Australia or equivalent complete in all respect as approved and directed by the Engineer Incharge.	Per Rft	10.80	68.40	Per Meter	35.40	224.35	38.1 to 38.7	
115	Supply, Installation and commissioning of wiring with fiber optic cable with Unitube, Light-Armoured Cable, Single-Mode, OS2, of specified Core, 9µm, in pre-laid conduit or cable tray etc. from Fiber switch to Fiber Switch in ODF Panel, including all accessories, made of Schnider/i-Connect UK/Panduit USA Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.							38.1 to 38.7	
	i) 12 Core	Per Rft	17.30	167.05	Per Meter	56.70	547.90		
	ii) 24 Core	Per Rft	17.30	332.15	Per Meter	56.70	1,089.50		
	iii) 48 Core	Per Rft	17.30	579.85	Per Meter	56.70	1,901.90		
	iv) 96 Core	Per Rft	17.30	918.70	Per Meter	56.70	3,013.40		
116	Supply, Installation and commissioning of Cat-6, UTP Machine Made Patch Cord of Specified Length, Support 10 Giga, UL listed cable, with anti snag boots, Gold Over Nickel Plated, Manufacturer/OEM Authorization, confirming to manufacturer warranty, Made of Schneider / i-Connect UK /Panduit USA/D-Link/3M, Corning ,Pollo Australian or equivalent Approved and Directed by Engineer Incharge.							38.1 to 38.7	
	i) 1 meter Patch Cord	Each	79.20	1,065.60	Each	79.20	1,065.60		
	ii) 3 Meter Patch Cord	Each	79.20	1,300.80	Each	79.20	1,300.80		
117	Supply, installation and connections of CAT-6A UTP (Unshielded Twisted Pair) , patch cord of specified length,Factory Fabricated and UL Listed with anti Snag Boots- Gold over nickel plated made of Schneider, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge .							38.1 to 38.7	
	i) 1 meter Patch Cord	Each	79.20	2,599.20	Each	79.20	2,599.20		
	ii) 3 Meter Patch Cord	Each	79.20	2,959.20	Each	79.20	2,959.20		
118	Supply, Installation and Connection of Specified Ports Layer-2 PoE (Power Over Ethernet) data Network Switch specified ports x100 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Cisco USA/NOVAS Europe/Juniper USA / Huawei / H3C, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.								
	i) 8 port, Min. 120 Watt PoE power	Each	1,584.00	48,456.00	Each	1,584.00	48,456.00		
	ii) 12 port, Min. 250 Watt PoE power	Each	1,584.00	63,424.80	Each	1,584.00	63,424.80		
	iii) 16 port, Min. 300 Watt PoE power	Each	1,584.00	84,199.20	Each	1,584.00	84,199.20		
	iv) 24 port, Min. 365 Watt PoE power	Each	1,584.00	121,765.20	Each	1,584.00	121,765.20		
	v) 48 port, Min. 665 Watt PoE power	Each	1,584.00	198,764.40	Each	1,584.00	198,764.40		
119	Supply, Installation and Connection of Data switch ,10/100/1000 Mbps with SFP UPLINK made of Cisco USA/NOVAS Europe/Juniper USA / Huawei /H3C Pollo Australian or equivalent approved manufacturer and directed by the Engineer Incharge.								
	i) 8 Ports,(PoE)	Each	47.50	2,391.10	Each	47.50	2,391.10		
	ii) 12 Ports,(PoE)	Each	47.50	2,617.90	Each	47.50	2,617.90		
	iii) 16 Ports(PoE)	Each	47.50	3,100.30	Each	47.50	3,100.30		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
120	iv) 24 Ports(PoE)	Each	47.50	3,567.10	Each	47.50	3,567.10		
	v) 48 Ports(PoE)	Each	47.50	4,837.90	Each	47.50	4,837.90		
	Supply, Installation and Connection of Single /Multimode SFP (Small form Pluggable) Transceiver Duplex Multimode of Specified Capacity. made of Cisco USA/NOVAS Europe / Juniper USA / Huawei /H3C/ Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.								
121	i) 10/100/1000 SFP (as per site specific port type requirements)	Each	2,376.00	55,953.60	Each	2,376.00	55,953.60		
	ii) 10 Gigabit SFP (as per site specific port type requirements)	Each	2,376.00	140,444.40	Each	2,376.00	140,444.40		
	Supply and installation of Cable Metal Organizer, 19" Rack mounted with high graded epoxy powder coating and slideable top- UL Listed. Made of Schneider/i-Connect UK/3M Corning: Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.	Each	950.40	4,003.20	Each	950.40	4,003.20		
122	Supply, Installation and commissioning of 19" Rack Mounted of specified, UTP Patch Panel with specified toolless support & Rear Cable Management, UL listed, Loaded with UTP of specified Keystone Jack Toolless Support , Made of Schneider / Norden /3M Corning/D-Link, Pollo Australia or equivalent approved manufacturer and Directed by Engineer Incharge.								
	i) CAT-6 (24 Port Patch Panel with Toolless Support 1-Gigabit)	Each	118.80	31,927.75	Each	118.80	31,927.75		
	ii) CAT-6A (24 Port Patch Panel with Toolless Support 10-Gigabit)	Each	118.80	35,874.50	Each	118.80	35,874.50		
CCTV									
123	Supply & Installation of NVR (Network Video Recorder) for Real Time View of specified Channels, video and Audio channels,Supported protocols: ONVIF,RTSP etc, Internal HDDs mount support:2/4/8 or higher as per site requirement,Monitor outputs,(HDMI,4K Ultra HD),VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motrola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge.								
	i) 8-Channel	Each	594.00	99,248.40	Each	594.00	99,248.40		
	ii) 16-Channel	Each	594.00	124,038.00	Each	594.00	124,038.00		
	iii) 32-Channel	Each	594.00	140,000.40	Each	594.00	140,000.40		
	iv) 42-Channel	Each	594.00	414,201.60	Each	594.00	414,201.60		
	v) 50-Channel	Each	594.00	499,554.00	Each	594.00	499,554.00		
	vi) 64-Channel	Each	594.00	515,604.00	Each	594.00	515,604.00		
	vii) 150-Channel	Each	594.00	789,782.40	Each	594.00	789,782.40		
124	Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate/ WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.								
	i) 4 TB	Each	1,188.00	29,824.80	Each	1,188.00	29,824.80		
	ii) 8 TB	Each	1,188.00	48,793.20	Each	1,188.00	48,793.20		
	iii) 10 TB	Each	1,188.00	73,764.00	Each	1,188.00	73,764.00		
	iv) 14 TB	Each	1,188.00	81,468.00	Each	1,188.00	81,468.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
125	Supply, Installation and Connection of L2 Access Switches 24xEthernet 10/100/1000 base-T port, min 2x1Gigabit SFP ports with 2x1G single mode SFP. POE/POE+. Switching capacity at least 200 Gbps full-duplex or higher supporting bi-directional ACL, port based ACL,VLAN based ACL, automatic Isolation of attack sources, DAI (Dyanamic ARP inspection), DHCP Snooping, IP Source Gaurd, port based network access control conforming IEEE 802.1 x standard, Stackable or Cluster setup complete with Stack Modules, Stack cables, necessary licenses etc made of Cisco/HP/Planet/H3C/Huawei, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge.	Each	2,268.00	387,828.00	Each	2,268.00	387,828.00		
126	Supply, Installation and Connection of Layer-3, Core Switches, of specified speeds, supporting 10 Giga SFP+ (Small Form Pluggable +) Tranceiver, Switching Capacity at least 500 Gbps or higher ,supporting bidirectional ACL,port-based ACL., Stackable or Cluster setup complete with stacking cable, Stack modules, necessary licenses made of Cisco/ HP / Planet/Huawei/H3C Pollo Australia or equivalent approved manufacturer i/c the cost of tags as approved and directed by Engineer Incharge.								
	a) 10/100/1000								
	(i) 12 port(SFP)	Each	2,268.00	688,281.60	Each	2,268.00	688,281.60		
	(ii) 24 port (SFP)	Each	2,268.00	1,195,225.20	Each	2,268.00	1,195,225.20		
	b) 24/100/1000								
	(i) 12 port(SFP)	Each	2,268.00	801,001.20	Each	2,268.00	801,001.20		
	(ii) 24 port (SFP)	Each	2,268.00	1,383,015.60	Each	2,268.00	1,383,015.60		
127	Supply and installation of ODF (Optical Distribution frame) having specified ports,mounting tray loaded, including Splicing, labeling, tagging, support for OM3 multi mode fibre, duplex adopters, and simplex pig-tails. Make Schneider, Pollo Australia or equivalent approved manufacturer and directed by the Engineer Incharge .								
	i) 8 Port	Each	113.40	30,725.40	Each	113.40	30,725.40		
	ii) 12 Port	Each	113.40	73,731.00	Each	113.40	73,731.00		
	iii) 24 Port	Each	113.40	119,181.00	Each	113.40	119,181.00		
128	Supply, Installation and Connection of Fiber Optic SC-LC Patch Cords OS2 or OM3 of Specified Length from PoE Switch to ODF Point, UL Listed, Made of Schneider / Norden ,Pollo Australia or equivalent as approved and directed by Engineer Incharge.	Per Rft	39.60	1,917.60	Per Meter	129.90	6,289.75		
129	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with 25 fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories/ materials. Make: - Honey Well / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge.								
	a) 2 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	76,194.00	Each	594.00	76,194.00		
	(ii)Fixed Dome type	Each	594.00	88,194.00	Each	594.00	88,194.00		
	b) 4 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	76,194.00	Each	594.00	76,194.00		
	(ii)Fixed Dome type	Each	594.00	88,194.00	Each	594.00	88,194.00		
	c) 8 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	104,370.00	Each	594.00	104,370.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
130	(ii)Fixed Dome type Supply, installation & connecting IP based Camera of specified resolution, lens,motorized,auto-iris and auto-focus function,f=2.8~12 mm,human/vehicle object classification ,D/N function-IR cut filter,Video content analysis based on Deep learning,micro SD card support,WDR with double scan sensor, Min, illumination: 0.007 lx(01xIR on),IR LED,range upto 50 m, i/c the cost of mounting bracket,accessories,made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge.	Each	594.00	108,594.00	Each	594.00	108,594.00		
	a) 2 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	84,594.00	Each	594.00	84,594.00		
	(ii)Fixed Dome type	Each	594.00	90,594.00	Each	594.00	90,594.00		
	b) 4 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	94,987.20	Each	594.00	94,987.20		
	(ii)Fixed Dome type	Each	594.00	110,922.00	Each	594.00	110,922.00		
	c) 5 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	100,620.00	Each	594.00	100,620.00		
	(ii)Fixed Dome type	Each	594.00	116,488.80	Each	594.00	116,488.80		
131	Supply, installation & connecting IP based Camera of specified resolution, lens,motorized,auto-iris and auto-focus function,f=3-12 mm, D/N function-IR cut filter,Video content analysis based on Deep learning,micro SD card support,WDR, Min, illumination: 0.007 lx(01xIR on),IR LED,range upto 40 m, pivacy zone,motion detection,system reaction to alarm event i/c the cost of mounting bracket,accessories,made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge.								
	a) 6 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	76,194.00	Each	594.00	76,194.00		
	(ii)Fixed Dome type	Each	594.00	82,194.00	Each	594.00	82,194.00		
	b) 8 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	84,594.00	Each	594.00	84,594.00		
	(ii)Fixed Dome type	Each	594.00	90,594.00	Each	594.00	90,594.00		
	c) 12 Mega Pixel								
	(i)Fixed Bullet Type	Each	594.00	113,760.00	Each	594.00	113,760.00		
	(ii)Fixed Dome type	Each	594.00	131,578.80	Each	594.00	131,578.80		
132	Supply, installation & connecting IP based Camera of specified resolution, LPR -Camera,Lens: motorized,auto-iris and auto-focus function,f=7~22 mm,human/vehicle no plate recognition,D/N function-IR cut filter,Video content analysis based on Deep learning,micro SD card support,WDR with double scan sensor, Min, illumination: 0.007 lx(01xIR on), IR LED,range upto 50 m, Barrier controle i/c the cost of mounting bracket,accessories,made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge.								
	2 Mega Pixel								
	i) Fixed Bullet Type	Each	594.00	110,922.00	Each	594.00	110,922.00		
	ii) Fixed Dome type	Each	594.00	123,066.00	Each	594.00	123,066.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
133	Supply, installation & connecting outdoor PTZ (Pan-Tilt-Zoom),IP based Camera of specified resolution, lens,motorized varfocal,AL & AF function,specified optical zoom,D/N function-IR cut filter,Video content analysis,micro SD card support, Min, illumination:face recognition, specified IR LED range RANGE i/c the cost of mounting bracket,accessories,made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer Incharge.								
	i) 2 MPxl optical zoom 20x,f=5.5-110 mm with min illumination from 0.003x (01xIR ON),IR LED range upto 150 m.	Each	594.00	480,865.20	Each	594.00	480,865.20		
	ii) 3 MPxl,optical zoom 30x,f=4.5- 135 mm,with min illumination from 01x(01x,IR ON),IR LED range upto 180 m	Each	594.00	498,706.80	Each	594.00	498,706.80		
	iii) 4.0 MPxl, Optical zoom 30x,Digital zoom 16x,,laser distance 200 meter, Main stream H-264+/265+, sub stream H.264/265, Third Stream H.264/265, Max resolution 2560 x 1440 with 30 fps,IP-67.	Each	594.00	555,234.00	Each	594.00	555,234.00		
134	Supply, installation and connections of POLE ADAPTER, Esprit system to convert any wall mount to pole mount. Made of PELCO(USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and direcyed by the Engineer Incharge.	Each	1,080.00	39,379.20	Each	1,080.00	39,379.20		
135	Supply, installation and connections of HD Video Decoder that support digital video stream on network and allow for the decoding upto 16 simultaneous streams with HDMI cable as required at site. made of PELCO (USA) /AXIS (Sweden) , Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1,782.00	683,460.00	Each	1,782.00	683,460.00		
136	Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP / Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge.								
	i) 12U size (600x550x635 mm)	Each	2,376.00	58,160.00	Each	2,376.00	58,160.00		
	ii) 15U size (600x550x770 mm)	Each	2,376.00	59,681.30	Each	2,376.00	59,681.30		
	iii) 18U size (600x550x900 mm)	Each	2,376.00	62,385.85	Each	2,376.00	62,385.85		
137	Supply , installation of floor mounted Main CCTV Cabinet of specified size, installed in Main IT / Server room/Security Room, made of Powder Coated M.S frame, perforated front & rear doors, removable side panels, 04 way fans for cooling, top/bottom entry, handle lock with 4 lockable wheels, cable manager, with 6 way PDU (Power Distribution Unit) & 2 x 6 way PDU (Power Distribution Unit) for 42U size with all necessary accessories/ materials, complete in all respects. made of Bosch/ HP / Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge.								
	i) 42U (800x800x2055mm)	Each	3,047.65	199,554.95	Each	3,047.65	199,554.95		
	ii) 27U (600x600x1300mm)	Each	3,047.65	105,003.35	Each	3,047.65	105,003.35		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
DATA NETWORK & WIFI SYSTEM									
138	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project Option 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project. i) Single I/O ii) Double I/O	Each Each	43.20 43.20	1,782.00 2,793.60	Each Each	43.20 43.20	1,782.00 2,793.60		
139	Supply, Installation and commissioning of Core Switches with interface : 10GBASE-R(SFP+)/1000 BASE-X(SFP) 4X40 BASE -SR4/LR4 (QSFP) ,Bandwidth: Tbps or higher with Quad-core processor or higher,MAC Table: 96K ,AC Power: 220V+-10%,cooling fans made of RUCKS USA/Cisco USA/Juniper USA, Pollo Australia or equivalent as approved and directed by Engineer's Incharge. i) 24 Ports ii) 48 Ports	Each Each	43.20 43.20	133,946.40 228,657.60	Each Each	43.20 43.20	133,946.40 228,657.60		
140	Supply, Installation and commissioning of Access Switches Layer 3, with specified 1000 Base-T (RJ-45) Ports (PoE/PoE+) with 4 x 10 G SFP+ with license , Switching capacity 128 Gbps or higher,Packet forwarding capacity :90 Mpps,RAM (DDR3):512 MB, DHCP snooping, ACL, power supply Min.350 Watt AC, made of RUCKS USA/Cisco USA/Juniper USA / Huawei / H3C, Pollo Australia or equivalent as approved and directed by Engineer's Incharge. 24 Ports	Each	43.20	98,020.80	Each	43.20	98,020.80		
141	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaidd/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge. a) Multimode OM3 (i) 04 Core (ii) 06 Core (iii) 12 Core b) Singlemode OS2 (i) 04 Core (ii) 06 Core (iii) 12 Core	Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft Per Rft	43.20 43.20 43.20 43.20 43.20 43.20 43.20	391.20 591.60 879.60 352.80 504.00 692.40	Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter Per Meter	141.70 141.70 141.70 141.70 141.70 141.70 141.70	1,283.15 1,940.45 2,885.10 1,157.20 1,653.10 2,271.05	38.1 to 38.7	
142	Supply, Installation of OFDF (Optical Fiber Distribution Frame) having specified mode ports Loaded with Splicing Tray, with splicing of Pigtails, Fully loaded DUPLEX SC Couplers & Pigtail supplied with Patch Leads (LC-SC) or as per site SFP based required cords, UL Listed, Made of Schneider / Norden, Pollo Australia or equivalent or as approved and directed by the Engineer Incharge. a) Multimode (MM) Ports (i) 06 Ports (ii) 12 Ports (iii) 24 Ports (iv) 48 Ports (v) 96 Ports	Each Each Each Each Each	1,620.00 1,620.00 1,620.00 1,620.00 1,620.00	37,106.40 68,564.40 136,543.20 272,971.20 483,297.60	Each Each Each Each Each	1,620.00 1,620.00 1,620.00 1,620.00 1,620.00	37,106.40 68,564.40 136,543.20 272,971.20 483,297.60		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) Singlemode (SM) Ports								
	(i) 06 Ports	Each	1,620.00	31,474.80	Each	1,620.00	31,474.80		
	(ii) 12 Ports	Each	1,620.00	55,417.20	Each	1,620.00	55,417.20		
	(iii) 24 Ports	Each	1,620.00	107,460.00	Each	1,620.00	107,460.00		
	(iv) 48 Ports	Each	1,620.00	236,358.00	Each	1,620.00	236,358.00		
	(v) 96 Ports	Each	1,620.00	452,649.60	Each	1,620.00	452,649.60		
143	Supply, installation and connections of 42U Racks 800 x1000 MM with Fans and:02 nos PDU-IMPORTED. Make Schneider as specified as approved and directed by Engineer's Incharge.	Each	21.60	221,614.80	Each	21.60	221,614.80		
144	Supply, Installation of WiFi access points(APs),conforming IEEE as approved and directed by the Engineer Incharge.								
	i) Support upto 50 concurrent connections								
	(a) Data transfer rate Min. 802.11ac: 1200 Mbps	Each	864.00	93,820.80	Each	864.00	93,820.80		
	(b) Support upto 50 concurrent connections								
	(c) 4X4 MIMO support (3SU,3MU)								
	(d) 2xEthernet 10/100/1000 Base-T (RJ-45)								
	(e) 1x100/1000 BASE -X (SFP) optionally								
	(f) N- Type (Female) for external antennas (Omni,sector rod,etc.)								
	(g) IEEEa/b/g/n/ac wave 2 standards, should work on 2.4 & 5.8 Ghz band Simultaneously ans @ 2.4 Ghz support 500 Mbps ,								
	(h) VLAN 802.1X authentication ,NAT and DHCP client,LLDP,ACL Ipv4 and Ipv 6 support.								
	(i) Power supply: PoE + 48 V /54 V (IEEE 802.3 at -2009) 48 V DC.								
	(j) Operating Temperature from -10 to +45 C. managed by wireless controller. Make: - Aruba / Cisco / Al-Catel.as approved and directed by Engineer Incharge.Support Automatic RF channel selection, and dual stack. Make: - Aruba / Cisco / Al-Catel.								
	ii) Support upto 500 concurrent connections								
	(a) Data transfer rate 802.11ac:1300 Mbps	Each	864.00	799,911.60	Each	864.00	799,911.60		
	(b) Support upto 500 concurrent connections								
	(c) 3x3 MIMO support								
	(d) 2xEthernet 10/100/1000 Base-T (RJ-45)								
	(e) 1x100/1000 BASE -X (SFP) optionally								
	(f) N- Type (Female) for external antennas (Omni,sector rod,etc.)								
	(g) IEEE 802.11 a/b/g/n/ac standard support								
	(h) VLAN 802.1X authentication ,DHCP client,LLDP,ACL and Ipv 6 support.								
	(i) Power supply: PoE + 48 V /54 V (IEEE 802.3 at -2009) 48 V DC.								
	(j) Operating Temperature from -10 to +45 C. managed by wireless controller. Make: - Aruba / Cisco / Al-Catel.								
145	Supply , installation of Wifi Access Controller installed in the Main Cabinet, supporting specified Access Points, concurrent users, customizable dash board, DHCP(Dynamic Host Configuration Protocol),min 2x1 Giga Ethernet ports,min 2X 10 Giga Ethernet/SFP+ ports,packet forwarding capacity>= 4 Gbps, authentication based on MAC,802.1X WEP, WPA-TKIP, WPA2-AES, and ACL Layer-2, Layer-3 and Layer-4, compatible with Apple & Andriod devices, Console Port. Make Aruba, Cisco, Al-Catel as approved and directed by Engineer Incharge.								
	i) 15 Access Points	Each	1,620.00	386,590.80	Each	1,620.00	386,590.80		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	ii) 25 Access Points	Each	1,620.00	574,381.20	Each	1,620.00	574,381.20		
	iii) 50 Access Points	Each	1,620.00	707,431.20	Each	1,620.00	707,431.20		
	iv) 100 Access Points	Each	1,620.00	801,326.40	Each	1,620.00	801,326.40		
ACCESS CONTROL SYSTEM									
146	Supply, Installation and commissioning of wire free standalone network Based RFID (Radio Frequency Identification) Door Lock AELEMENT AE model AE 901MBA3A8 with reader, wireless DNA. Mechanical Dead bolt, 1000 Audit trail, SVN Compatible, UL Listed with ANSI Mortise lock, (For minimum 40mm door), 4 built in Switches (DND, Mechanical override, Inside opening and Door Ajar), Handle "U" Model, Satin Stainless Steel. Make Salto (USA)/ Fingertec (USA) / Pollo Australia or equivalent as specified complete in all respects and approved by Engineer Incharge.	Each	3,870.00	104,140.80	Each	3,870.00	104,140.80		
147	Supply, Installation and commissioning of RFID Based NODE with wireless DNA. control, read and transmit data to operate door locks to main server for upto 15-20 meters. Make Salto (USA)/ Fingertec (USA)/ Pollo Australia or equivalent as specified complete in all respects approved by Engineer Incharge.	Each	3,442.50	18,044.10	Each	3,442.50	18,044.10		
148	Supply, installation Testing and Connections of signal distribution Salto Model GATEWAY controller PoE (Power Over Ethernet), Wireless Gateway connect via nodes, Wireless radio frequency based on IEEE 802.15.4 at 2.4 Ghz. AES 128 bits encryption, Software SALTO Spaonline SPAC-OPT-0021 Connection to the LAN Network 10 BASE-T/100 BASE-TX, Make Salto (USA)/ Fingertec (USA) as specified complete in all respect as approved and directed by Engineer Incharge.	Each	864.00	62,108.40	Each	864.00	62,108.40		
149	Supply , installation of Push Buttons or manual access control system (Exit switch) with British standard size back box, including Emergency door release break glass button complete in all respects. Make: Norden / Bosch / Honey Well, Complete in all respect as approved and Directed by Engineer Incharge.	Each	540.00	1,807.20	Each	540.00	1,807.20		
150	Supply , installation of Power Supply with stabilized voltage of 12 volt DC (+/- 15%). The PSU supplies voltage U= 13.8 V DC with current efficiency I =4.5 A +0.5A battery charging for access control machines, in case of power failure,instantaneous switching to battery operation complete in all respects. Make: Norden / Bosch / Honey Well, Complete in all Respect as approved and directed by Engineer Incharge.	Each	540.00	10,868.40	Each	540.00	10,868.40		
151	Supply and energization of RFID (Radio Frequency Identification) Proximity Cards , ISO credit card standard size and thickness,thin as specified made of KADE Europe/Siemen Europe complete in all respect as approved and directed by the Engineer Incharge.	Each	864.00	1,539.60	Each	864.00	1,539.60		
152	Supply and energization of Proximity Cards reader with keypad for Unique(EM), ISO credit card standard size ,HID Prox(125 KHz) and Mifare Classics (13.56 MHzs) card type.Read range from 2 to 10 cm made of KADE Europe/Siemen Europe complete in all respect as approved and directed by the Engineer Incharge.	Each	648.00	1,081.20	Each	648.00	1,081.20		
153	Supply and energization of Administrator Proximity Card Unique Mifare HID,Prox,Reader type,operating frequency:125 kHz,13.56 MHz and USB interface,made of KADE Europe/Siemen Europe complete in all respect as approved and directed by the Engineer Incharge.	Each	648.00	1,268.40	Each	648.00	1,268.40		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
154	Supply, installation and connection of POE (Port of Ethernet) of specified Port Switch or equivalent, rated 10/100/1000 Mbps unmanaged switch, & 4-U Cabinet Racks equipped as per specifications, make of Schneider (UK)/ Cisco (UK, Ireland) as specified complete in all respect as approved & directed by Engineer Incharge.								
	i) 8-Port Gigabite Switch with 2xSFP	Each	1,091.25	80,468.40	Each	1,091.25	80,468.40		
	ii) 24-Port Gigabite Switch with 14xSFP	Each	1,091.25	253,740.40	Each	1,091.25	253,740.40		
	iii) 48-Port Gigabite Switch with 14xSFP	Each	1,091.25	429,408.40	Each	1,091.25	429,408.40		
155	Supply, installation of following RFID based Access Control Machines with display i/c the cost of mounting accessories, complete in all respect. Make: Norden / Bosch / Honey Well, complete in all respect as approved and directed by Engineer Incharge.								
	i) Keypad	Each	648.00	67,220.40	Each	648.00	67,220.40		
	ii) Keypad Finger/Thumb	Each	648.00	118,675.20	Each	648.00	118,675.20		
	iii) Keypad Finger/Thumb,Retina	Each	648.00	147,828.00	Each	648.00	147,828.00		
156	Supply , installation and commissioning of Access Controller suitable for standard controller with TCP/RS-485,communication ports, for specified doors, complete in all respect. make: KADE Europe/Norden / Bosch / Honey Well, complete in all respect as approved and directed by Engineer Incharge.								
	i) 2-doors	Each	648.00	10,848.00	Each	648.00	10,848.00		
	ii) 4-doors	Each	648.00	18,950.40	Each	648.00	18,950.40		
	iii) 8-doors	Each	648.00	31,068.00	Each	648.00	31,068.00		
PUBLIC ADDRESS SYSTEM									
157	Supply, Installation & Commissioning of recessed/surface mounted Speakers of specified capacity housed in metallic enclosure with builtin 70v/100v transformer , aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 Khz, EN-54 compliant, Including cost of all accessories and materlas, complete in all respect made of Ecler Europe/Bosch/ Norden / Honey Well or equivalent as approved and directed by the Engineer Incharge.								
	a) Ceiling mounted speaker								
	(i) 1.5-6 Watt	Each	216.00	6,788.40	Each	216.00	6,788.40		
	(ii) 8-10 Watt	Each	216.00	9,981.60	Each	216.00	9,981.60		
	(iii) 20 Watt	Each	216.00	14,582.40	Each	216.00	14,582.40		
	(iv) 40 Watt	Each	216.00	20,216.40	Each	216.00	20,216.40		
	b) Column Type Speaker								
	(i) 10-15 Watt	Each	216.00	44,347.20	Each	216.00	44,347.20		
	(ii) 20 Watt	Each	216.00	53,268.00	Each	216.00	53,268.00		
	(iii) 40 Watt	Each	216.00	66,375.60	Each	216.00	66,375.60		
	(iv) 60 Watt	Each	216.00	85,380.00	Each	216.00	85,380.00		
	(v) 80 Watt	Each	216.00	119,462.40	Each	216.00	119,462.40		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
158	Supply, Installation & Commissioning of surface mounted Line array speakers of specified capacity housed in metallic enclosure with built-in 70v/100v transformer, aluminium grill, SPL (Sound Pressure Level) (1W / 1M)= 92dB max 99dB, frequency response 130-13 KHz, EN-54 compliant, with output power adjustment for full, half and quarter power output, including cost of all necessary accessories and materials, complete in all respects made of Bosch/ Norden / Honey Well or Equivalent as approved and Directed by Engineer Incharge.								
	a) Frequency range 136-20000 sensitivity @ 4m, 1W: 79 db SPL @ 4m, 94 dB (i) 60 Watt	Each	216.00	82,054.80	Each	216.00	82,054.80		
	b) Frequency range 140-20000 sensitivity @ 4m, 1W: SPL @ 4m, 105 dB (i) 30 Watt	Each	216.00	61,398.00	Each	216.00	61,398.00		
	c) Sound Projector frequency range 150-20000, sensitivity @ 4m, 1W: SPL @ 1m, 1W: 90 dB (i) 20 Watt	Each	216.00	63,126.00	Each	216.00	63,126.00		
159	Supply, Installation and commissioning of Power / Mixer Amplifier of specified wattage, Including cost of all necessary accessories / materials, complete in all respects made of Ecler Europe/ Bosch/ Norden / Honey Well or Equivalent or as approved and directed by Engineer Incharge.								
	i) 30 Watt	Each	216.00	77,680.80	Each	216.00	77,680.80		
	ii) 60 Watt	Each	216.00	143,407.20	Each	216.00	143,407.20		
	iii) 120 Watt	Each	216.00	206,785.20	Each	216.00	206,785.20		
	iv) 160 Watt	Each	216.00	248,569.20	Each	216.00	248,569.20		
	v) 240 Watt	Each	216.00	267,817.20	Each	216.00	267,817.20		
	vi) 480 Watt	Each	216.00	500,209.20	Each	216.00	500,209.20		
160	Supply, Installation and commissioning of Power Amplifier of specified watts and channels, Including cost of all necessary accessories / materials, complete in all respects made of Ecler Europe/ Bosch/ Norden / Honey Well or equivalent as approved and directed by Engineer Incharge.								
	a) 2-Channel								
	(i) 2x60 Watt	Each	1,620.00	137,299.20	Each	1,620.00	137,299.20		
	(ii) 2x120 Watt	Each	1,620.00	180,490.80	Each	1,620.00	180,490.80		
	(iii) 2x150 Watt	Each	1,620.00	274,574.40	Each	1,620.00	274,574.40		
	(iv) 2x240 Watt	Each	1,620.00	368,469.60	Each	1,620.00	368,469.60		
	b) 4-Channel								
	(i) 120 Watt	Each	1,620.00	563,770.80	Each	1,620.00	563,770.80		
	(ii) 240 Watt	Each	1,620.00	612,596.40	Each	1,620.00	612,596.40		
	c) 8-Channel								
	(i) 150 Watt	Each	1,620.00	368,469.60	Each	1,620.00	368,469.60		
	(ii) 240 Watt	Each	1,620.00	563,583.60	Each	1,620.00	563,583.60		
161	Supplying, Installation and commissioning of IP based Audio Matrix Paging Controller in specified Channels, support specified Music source input, specified remote control panels, 02 paging consoles and 01 microphone input, expandable to 32 Zones and support cascade 4 Amplifier units to make 8 x 32 matrix system. and capable of specified zone voice alarm system. made of Ecler Europe/ Norden, Bosch, Honeywell. Complete in all respects as approved and directed by Engineer Incharge.								
	i) Digital zones 8x8 (8 input & 8 output channels)	Each	1,080.00	574,311.60	Each	1,080.00	574,311.60		
	ii) Digital zones 16x16 (16 input & 16 output channels)	Each	1,080.00	762,102.00	Each	1,080.00	762,102.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
162	Supply, Installation of Microphone of specified quality as per requirement made of : Norden, Bosch, Honeywell. Complete in all respect. as approved and directed by Engineer Incharge.								
	i) Cordless Microphone with Transmitter	Each	1,080.00	161,360.40	Each	1,080.00	161,360.40		
	ii) Desktop Remote Paging Microphone	Each	1,080.00	574,311.60	Each	1,080.00	574,311.60		
	iii) Handheld Microphone with Stand	Each	1,080.00	49,014.00	Each	1,080.00	49,014.00		
	iv) Headset Condensor Microphone	Each	1,080.00	67,792.80	Each	1,080.00	67,792.80		
163	Supplying, Installation of musical source multifomat audio player, including cost of all necessary accessories / materials , complete in all respects. made of Bosch/ Norden / Honey Well or equivalent, as approved and directed by Engineer Incharge.	Each	1,080.00	123,847.20	Each	1,080.00	123,847.20		
FIRE ALARM SYSTEM									
164	Supply, Installation and commissioning of wiring for Signals RS 485, Shielded Copper Cable , in prelaid conduit . Make 3M / Belden, or equivalent as approved and directed by the Engineer Incharges.	P.Rft	11.90	79.40	Per Meter	38.95	260.35		
165	Supply, Installation and commissioning of wiring with specified Fire Resistant Shielded Cable (Fire Rating for 2 hours) of required size from respective DB to Fire Alarm FACP (Fire Alarm Control Panel) in prelaid conduit/duct. Make Pony / Belden/ Covican (Italy) or equivalent as approved and directed by the Engineer Incharge.								
	i) 2C,1.5 mm sq	Per Rft	11.90	130.00	Per Meter	38.95	426.40		
	ii) 3C,1.5 mm sq	Per Rft	11.90	152.50	Per Meter	38.95	500.20		
	iii) 3C,2.5 mm sq	Per Rft	11.90	203.15	Per Meter	38.95	666.25		
	iv) 3C,4.0 mm sq	Per Rft	11.90	242.50	Per Meter	38.95	795.40		
166	Supply, Installation and commissioning with Addressable Break Glass unit, (Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensure a response time of max. 1 second, having an indication LED flash after pressing the button to acknowledge the activation and a key operation facility for testing purposes. made of Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge.	Each	23.75	18,586.25	Each	23.75	18,586.25		
167	Supply, installation and commissioning of Addressable Type Indoor Loop Powered electronic Sounder/Flasher/Bell EN-54 with minimum sound output 100dB at 1 meter with frequencies of variety of sounds as required and shall be loop wired and loop signaled, built in short circuit isolator, configured via software. made of Honeywell/ Bosch/ Eaton (UK), or equivalent as approved and directed by the Engineer Incharge.								
	i) With Buzzer	Each	594.00	19,134.00	Each	594.00	19,134.00		
	ii) With Flasher	Each	594.00	25,906.50	Each	594.00	25,906.50		
168	Supply, installation and commissioning of Addressable Optical Smoke Detectors EN-54, incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit, adjustable via software between 0-90 seconds having built in short circuit isolators on both inputs. make Honeywell/ Bosch/ Eaton (UK), or equivalent including the cost of all other accessories as required, approved and directed by the Engineer Incharge.								
	i) Ionization, photoelectric,	Each	23.75	9,586.25	Each	23.75	9,586.25		
	ii) Dual Detector	Each	23.75	12,538.26	Each	23.75	12,538.26		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
169	Supply, installation and commissioning of Addressable Heat Detectors incorporating an LED indication located in labyrinth with in the housing of the detector. adjustable Sensing unit via software between 0-90 seconds. The detector shall have built in short circuit isolators on both inputs. made of Ademco/ Honeywell/ Bosch/ Eaton (UK) or equivalent as approved and directed by the Engineer Incharge.								
	i) Fixed Heat Detector to Sense High Temperatures	Each	23.75	7,555.65	Each	23.75	7,555.65		
	Rate of Rise (ROR) Heat Detector to sense sudden increase in	Each	23.75	9,586.26	Each	23.75	9,586.26		
	ii) Temp.								
170	Supply, installation and connections of Addressable Multi Detectors incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit, adjustable via software between 0-90 seconds and have built in short circuit isolators on both inputs. including cost of all other accessories or equivalent as approved and directed by the Engineer Incharge.	Each	23.75	11,031.90	Each	23.75	11,031.90		
171	Supply, installation and commissioning of wired/wireless Addressable Micro processor based Fire Alarm Control Panel (FACP) capable of PC interface with window conforming to EN-54, consisting of specified loop circuits having 240 devices per loop, indicating circuits, built in power supply with back up batteries, alarm and trouble indication, silence alarm and reset system, general alarm and reset system, general alarm facility. Made of Eurotech Fire UK, Notifire USA, Simplex USA. complete in all respect as approved and directed by Engineer Incharge.								
	i) FACP 1-Loop	Each	4,192.50	294,170.25	Each	4,192.50	294,170.25		
	ii) FACP 2-Loop	Each	4,192.50	381,192.40	Each	4,192.50	381,192.40		
	iii) FACP 3-Loop	Each	4,192.50	496,951.55	Each	4,192.50	496,951.55		
	iv) FACP 4-Loop	Each	4,192.50	612,826.55	Each	4,192.50	612,826.55		
172	Supply, installation and commissioning of digital Addressable wired/wireless Repeater Fire Alarm Control Panel (RFACP) EN-54, shall be self powered with built in 12V batteries for 48 Hrs backup with charging unit and programmed by using Window based software for peripheral devices like display unit, printers etc., including cost of all necessary accessories / materials, make Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge.								
	i) Auto Dialer Device (Card) GSM based	Each	2,178.00	155,423.25	Each	2,178.00	155,423.25		
173	Supply, installation and commissioning of digital/ Modular Annunciator panel Centralized Warning Panel (CWP), conforming to EN-54, multi-point, flexible and reliable Light Box to monitor the status of input signals, Custom made in any number of windows. Backlit illumination by removable LED modules in different colours. Optional bi-color windows make of Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge.	Each	78.05	20,935.55	Each	78.05	20,935.55		
Grounding/ Earthing System									
174	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Job	3,069.00	13,150.45	Job	3,069.00	13,150.45		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
175	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing).	P.Job	1,935.00	20,547.40	P.Job	1,935.00	20,547.40		
176	Providing, making & testing/commissioning of Bore type earthing point by drilling 3" dia bore hole up to water table/moist soil by laying 2" dia perforated Gl.pipe (Medium Quality) fixed with 40mm dia and 250 mm long tinned copper spike at bottom, i/c the cost of Tinned earth test link copper plate (300x50x10mm), brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Bore Type Earthing).	P.Rft	38.70	1,047.85	P.Meter	126.95	3,436.95		
177	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System								
	i) 4 mm ² CU bare conductor	Per Rft	20.05	70.55	Per Meter	65.75	231.40		
	ii) 6 mm ² CU bare conductor	Per Rft	20.05	93.90	Per Meter	65.75	308.00		
	iii) 10 mm ² CU bare conductor	Per Rft	20.05	145.90	Per Meter	65.75	478.60		
	iv) 16 mm ² CU bare conductor	Per Rft	20.05	211.85	Per Meter	65.75	694.90		
	v) 25 mm ² CU bare conductor	Per Rft	20.05	320.40	Per Meter	65.75	1,050.85		
	vi) 35 mm ² CU bare conductor	Per Rft	20.05	441.35	Per Meter	65.75	1,447.60		
	vii) 50 mm ² CU bare conductor	Per Rft	20.05	596.95	Per Meter	65.75	1,958.05		
	viii) 70 mm ² CU bare conductor	Per Rft	20.05	848.70	Per Meter	65.75	2,783.70		
	ix) 95 mm ² CU bare conductor	Per Rft	20.05	1,172.75	Per Meter	65.75	3,846.70		
	x) 120 mm ² CU bare conductor	Per Rft	20.05	1,464.45	Per Meter	65.75	4,803.35		
	xi) 150 mm ² CU bare conductor	Per Rft	20.05	1,859.75	Per Meter	65.75	6,099.90		
	xii) 185 mm ² CU bare conductor	Per Rft	20.05	2,262.20	Per Meter	65.75	7,419.95		
178	Earthing of Metallic cases, etc. with G.I. wire No. 8 SWG, in 15 mm (½") dia G.I. pipe, best quality:-							38.11	
	i) on surface, including clamps, etc.	Per Rft.	32.45	187.65	Per Meter	106.45	615.50		
	ii) recessed in wall, including hooks, jharries and making good surface.	Per Rft.	74.85	231.00	Per Meter	245.50	757.75		
179	Bonding to earth with wire on surface, including cost of wire, clamps, thimbles, etc.							ditto	
	a) G.I. wire:								
	i) 8 SWG	Per Rft.	14.50	32.10	Per Meter	47.50	105.25		
	ii) 16 SWG	Per Rft.	14.50	18.75	Per Meter	47.50	61.55		
	b) Copper wire:								
	i) 16 SWG	Per Rft.	14.50	33.75	Per Meter	47.50	110.65		
	ii) 20 SWG	Per Rft.	14.50	21.45	Per Meter	47.50	70.30		

CHAPTER NO.25 (IRON WORK)

The Rates for all finished works include the removal of surplus debris, unused material and byproducts.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	RAILWAY TRACK , ETC								
1	Laying, linking and packing tramway line.	100Rft.	5,119.70		Per Meter	167.95			
2	Dismantling tramway track.	100Rft.	1,683.00		Per Meter	55.20			
3	Laying, linking of B.G. track, including packing, straightening and leveling.	100Rft.	13,365.00		Per Meter	438.35			
4	Linking points and crossings, complete with fastenings.	Each	12,721.50		Each	12,721.50			
5	Bending or straightening B.G. rail with Jim Crow.	Each Point	1,415.70		Each Point	1,415.70			
6	Fixing street lamp posts.	Each	1,598.85		Each	1,598.85			
7	Binding ends of sleepers and timber of all sizes and kinds, including spreading and restacking.	100 Nos	15,567.75		100 Nos	15,567.75			
8	Opening stacks of sleepers and timber of all kinds and sizes, including spreading for inspection and restacking within one chain lead.	100 Nos	1,914.00		100 Nos	1,914.00			
	IRON WORK								
9	Small iron work, such as gusset plates, knees, bends, stirrups, straps, rings, etc. including cutting, drilling, riveting, handling, assembling and fixing; but excluding erection in position.	Per Cwt	8,266.50	25,010.90	100 Kg	16,272.65	49,234.05		
10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	Per Cwt	2,898.70	18,830.40	100 Kg	5,706.15	37,067.70		
11	Erection and fitting in position iron trusses, staging of water tanks, etc.	Per Cwt	946.00		100 Kg	1,862.20			
12	Fixing corrugated iron sheet, including revitting, etc.	100 Sft.	3,405.60		Per Sqm	366.45			
13	Erecting corrugated iron sheet tanks, upto 20' (6 m) height.	Per Cwt	1,587.45		100 Kg	3,124.95			
14	Erecting rolled steel beams or old rails, in roofs, etc., erection and fixing in position.	Per Cwt	948.75		100 Kg	1,867.60			
15	Erecting rolled steel beams or rails, erection for posts etc. (other than in roofs).	Per Cwt	462.85		100 Kg	911.05			
16	Making bolts and nuts of iron rods.	Per Cwt	6,400.35	26,677.10	100 Kg	12,599.10	52,513.95		
17	Cutting rails, rolled steel joists and beams, with hacksaw:-								
	a) upto 6" size (150 mm)	Per Cut	638.55		Per Cut	638.55			
	b) above 6" size (150 mm)	Per Cut	946.45		Per Cut	946.45			

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
18	Cutting rails or rolled steel beams of size below 6" (150 mm), with jim.	Per Cut	304.05		Per Cwt Cut	304.05			
19	Bending rolled steel beams or rails.	Per Bend	320.75	1,630.70	Per Bend	320.75	1,630.70		
20	Drilling holes, in plates upto ½" (13 mm) thick, per inch dia, (25mm) or part thereof.	Per Hole	123.75		Per Hole	123.75			
21	Extra for drilling holes in plates over ½" (13 mm) thick, per inch dia, (25 mm) or part thereof.	Per Hole	67.65		Per Hole	67.65			
22	Rivetting 1/8" dia (3 mm).	100 Nos	1,575.75		100 Nos	1,575.75			
23	Cutting out Rivets, all sizes.	100 Nos	5,346.00		100 Nos	5,346.00			
24	Fitting and erection of gutters of sheet iron.	Per Lft.	204.90		Per Meter	672.05			
25	Cutting and fixing iron bars, for barred windows.	Per bar	121.65		Per bar	121.65			
26	Cutting G.I. sheets.	Each Cut	65.80		Each Cut	65.80			
27	Notching web or foot of rail posts, for housing rail beams.	Per Notch	1,425.60	2,299.20	Per Notch	1,425.60	2,299.20		
28	Hoop iron netted trellis work fixed with nails.	Per Sft.	85.15		Per Sqm	916.10			
29	Fixing zinc iron or G.I. sheet on table tops.	Per Sft.	50.10		Per Sqm	538.90			
30	Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre.	Per Sft.	507.75	2,262.40	Per Sqm	5,463.15	24,343.65		
31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	Per Sft.	528.95	2,765.30	Per Sqm	5,691.45	29,754.70		
32	Making and fixing grating in opening, including fixing at site with flat iron 2"x3/8" (50x10 mm) and ¾" (19 mm) square bars, at 4" (100 mm) centre to centre.	Per Sft.	204.20	1,093.25	Per Sqm	2,197.05	11,763.15		
33	Providing and fixing stair railing (all types and designs) of hard wood, including bends and corners, screwed to 5/8"x5/8" (16x16 mm) M.S. square bars 2.75 ft. (838 mm) high, at 5.5 inch (137 mm) inch centre to centre, fixed in steps of stairs, M.S. flat 1"x1/8" (25x3 mm) welded to bars, painting/polishing 3 coats, etc. complete.	Per Rft.	1,057.25	2,569.05	Per Meter	3,468.70	8,428.55		The composite rate shall be reduced or increased by Rs. 177.35 P.Rft for each foot of reduction or addition in the height of the square bars.
34	Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 ¾" high @ 5/2" c/c fixed in steps of stair I/C painting 3 coats complete.	Per Rft.	553.05	1,124.00	Per Meter	1,814.50	3,687.60		
35	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.	Per Rft.	399.75	1,869.10	Per Meter	1,311.52	6,132.22		The composite rate shall be reduced or increased by Rs. 175.50 P.Rft for each foot of reduction or addition in the height of the square bars.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
36	Providing and fixing collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	Per Sft.	784.65	1,984.85	Per Sqm	8,442.65	21,357.15		
37	Providing and fixing 24 SWG G.I. sheet rolling shutter, consisting of steel frame of M.S. channel 2"x1 1/4"x1/8" (50x30x3 mm), angle iron 1 1/2"x1 1/2"x1/8" (40x40x3 mm), M.S. plate 1"x1 1/8" (300x300x3 mm), G.I. pipe 1 1/2" (37 mm) dia, springs 2' (600 mm) centre to centre, rollers, 24 SWG G.I. covering 1 ft. x 1 ft. (300x300 mm), handles, holdfast, and painting three coats, complete in all respects.	Per Sft.	174.65	731.75	Per Sqm	1,878.95	7,873.50		
38	Providing and fixing M.S. angle iron 1 1/2"x1 1/2"x1/4" (40x40x6 mm) edge protector nozing of steps of stairs, having holdfast or 3/8" (10 mm) dia M.S. bars 8" (200 mm) long welded at 2' (600 mm) centre to centre and embedded in cement concrete on steps, complete in all respects.	Per Rft.	83.85	439.40	Per Meter	275.15	1,441.55		
39	Providing and fixing stair railing of 2 1/2" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.	Per Rft.	456.95	2,238.70	Per Meter	1,499.15	7,344.90		The composite rate shall be reduced or increased by Rs. 176.50 P.Rft for each foot of reduction or addition in the height of the square bars.
40	Providing and fixing G.I. wire gauze 24 SWG, 12x12 meshes per square inch, fixed to steel windows or doors, etc., complete in all respects.	Per Sft.	79.20	191.45	Per Sqm	852.20	2,060.25		
41	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1 1/2"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves 3/4"x1"x3/4"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3mm), glass panes, wooden screed for glazing embedded 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:- a) without wire gauze:								
	i) glass pane 2 mm thick	Per Sft.	201.25	967.70	Per Sqm	2,165.20	10,412.30		
	ii) glass pane 2.5 mm thick	ditto	201.25	982.10	ditto	2,165.20	10,567.25		
	iii) glass pane 3 mm thick	ditto	201.25	1,042.10	ditto	2,165.20	11,212.85		
	iv) glass pane 4 mm thick	ditto	201.25	1,102.10	ditto	2,165.20	11,858.45		
	v) glass pane 5 mm thick	ditto	201.25	1,147.70	ditto	2,165.20	12,349.10		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) fixed with wire gauze, 22 SWG								
	i) glass pane 2 mm thick	Per Sft.	284.75	1,209.20	Per Sqm	3,063.95	13,011.00		
	ii) glass pane 2.5 mm thick	ditto	284.75	1,223.60	ditto	3,063.95	13,165.90		
	iii) glass pane 3 mm thick	ditto	284.75	1,283.60	ditto	3,063.95	13,811.50		
	iv) glass pane 4 mm thick	ditto	284.75	1,343.60	ditto	3,063.95	14,457.10		
	v) glass pane 5 mm thick	ditto	284.75	1,389.20	ditto	3,063.95	14,947.80		
42	Providing and fixing steel windows using M.S. sheet (16 SWG) moulded tubular pipe 1½"x1½" (40x40mm) for frame and 1¼"x1¼" (30x30mm) for leaves including M.S. square bars ¾"x¼" (6x6 mm) welded around each panel of frame, 5 mm thick glass panes fixed with double M.S. square tubular pipe 3/8"x3/8" (10x10mm) (22 SWG) beading with U' shaped rubber lining, brass fitting, holdfast, including painting three coats complete in all respects.								
	a) For openable panels fixed with wire gauze 24 SWG, 12x12 mesh and glass panes ¾" (6 mm) thick.	Per Sft.	143.50	1,338.35	Per Sqm	1,543.80	14,400.70		
	b) For fixed panels without wire gauze.	ditto	137.55	740.40	ditto	1,479.90	7,966.65		
43	Providing and fixing windows consisting of M.S. box section frame 2"x1½" (50x40mm), leaves frame 1-½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.	Per Sft.	191.85	1,823.30	Per Sqm	2,064.30	19,618.95		
44	Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¼"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	Per Sft.	260.15	2,180.35	Per Sqm	2,799.10	23,460.35		
45	Flapping G.I. pipes for bath room drains.	Each	1,782.00	1,896.00	Each	1,782.00	1,896.00		
46	Supply and fixing iron grating for fire place.	Per Sft.	331.65	541.65	Per Sqm	3,568.55	5,828.15		
47	Fixing copper flashing, including cutting of sheets, grooving and rivetting.	Per Lft.	141.90		Per Meter	465.45			

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
48	Providing and fixing angle iron railing, using 2½"x2½"x3/8" (63x63x10 mm) angle iron post 4½" (113 mm) long, 5' to 6' (1500 to 1800 mm) apart, with 2½"x2½"x3/8" (63x63x10 mm) angle iron top rail, and two rows of M.S. flat 2½"x¼" (63x6 mm) including fixing to side of Bridge/structure with U.bolt 1½" (450 mm) long ¾" (20 mm) dia, painting posts, etc. complete in all respects.	Per Rft.	229.75	2,461.35	Per Meter	753.80	8,075.30		
49	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	Per Sft	475.05	1,748.40	Per Sqm	5,111.55	18,812.80		(1) Increase composite rate by Rs. 443.65 P.Sft if sections thickness is 2 mm used. (2) Reduce composite rate by Rs. 31.35 P.Sft if sections 1.6mm are of dull aluminium shade.
52	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	Per Sft	231.30	1,306.55	Per Sqm	2,488.80	14,058.50		(1) Reduce composite rate by Rs. 176.00 P.Sft if aluminum section thickness is 1.2 mm used. (2) Reduce rate by Rs. 200.50 P.Sft if sections 1.6mm are of dull aluminium shade.
53	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Per Sft	88.70	542.80	P.Sqm	954.30	5,840.40		(1) Reduce composite rate by Rs. 124.95 P.Sft 1344.45 P.Sqm .if aluminum section thickness is 1.2 mm used.
54	P/F MS box section window of 16 SWG, having frames of 2" x 1-1/2", leave frame of T-type box section of 2"x1"x1", with ½"x1/2" box section using, U shaped rubber for fixing 5 mm thick glass panes i/c the cost of fixing of 24 SWG wire guaze on inner side by means of ½"x1/8" MS flat patti, MS grill fitted within the window frame and screws including hinges, brass handles and painting 3 coats. Complete in all respect	Per Sft	170.75	1,637.95	P.Sqm	1,837.20	17,624.10		i. For fixed pannels without guaze, reduce rate: 85.80 P.Sft 923.00 P.Sqm ii. If box sections of 18 SWG used, reduce rate: 17.80 P.Sft 191.35 P.Sqm
55	Providing / Laying M.S Liner of specified thickness for concrete bored piles, placed at the upper part of bore, as mentioned on drawings etc complete in all respect.	Cwt	1.50	7.65	P.Kg	75.70	389.30		
56	Providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop								If natural color sections are used, reduce composite rate by Rs: 279.30 P.Sft 3005.25 P.Sqm

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	or approved equivalent manufacturer having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing one side Tinted and one side clear double glass, and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.								Add extra Rs.9.00 P.Sft for tempering of 1mm each
	a) 5mm thick Glass	Per Sft	451.35	2,728.10	Per Sqm	4,856.60	29,354.55		
	b) 6mm thick Glass	Per Sft	451.35	2,772.50	Per Sqm	4,856.60	29,832.30		
57	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable or approved equivalent manufacturer, having 2 mm thick Frame size D48-A , i/c 12 mm Tempered glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)	Per Sft	433.15	1,640.45	Per Sqm	4,660.45	17,651.40		If natural color sections are used, reduce composite rate by Rs. 8.50 P.Sft 91.50 P.Sqm
58	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	Per Sft.	-	171.05	Per Sqm	-	1,840.75		
59	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.								
	(i) 3/8" Square Bars	Per Sft	322.65	1,047.90	Per Sqm	3,471.90	11,275.65		
	(ii) 1/2" Square Bars	Per Sft	322.65	1,192.65	Per Sqm	3,471.90	12,833.10		
60	P/F Double locking arrangement for steel grated door consisting of MS Box of size 9"x13-1/2"x9" made with 1/4" thick MS sheet i/c double sliding bolt of 1-1/4" dia rod operated with 1-1/2" dia GI pipe duly embedded with cement concrete (1:2:4) i/c holdfast i/c painting 3 coats complete in all respect as approved and directed by the Engineer Incharge.	Each	3,559.05	15,180.10	Each	3,559.05	15,180.10		
61	P/F 1.5' deep gun racks comprising of 18 SWG M.S Sheet and M.S angle iron 1-1/2"x1-1/2"x1/4" for frame including 02-Nos Sheesham wood planks 1-1/2" thick with polishing for guns hold i/c all labour and painting with hammer paint complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	381.85	2,148.50	Per Sqm	4,108.80	23,117.65		
62	P/F Iron door comprising of specified leaves made of 1-1/4" x1-1/4" x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge.								
	(i) Single Leaf	Per Sft	100.80	1,134.55	Per Sqm	1,084.80	12,207.95		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
63	(ii) Double Leaf Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	Per Sft P. Rft Height	110.35 316.80	1,561.35 8,065.70	Per Sqm P.Meter Height	1,187.30 1,039.10	16,800.20 26,455.50		
64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	Per Rft	425.70	3,346.10	Meter	1,396.30	10,975.25		
65	Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.	Per Rft	239.25	572.25	Meter	784.75	1,877.00		
66	Providing and fixing 2.00 ft deep M.Steel Lockers (Wardrobes) consisting of 1-1/4"x1-1/4"x3/16" angle Iron Frame & 1"x1"x1/8" MS Flat for center vertical bracing duly welded with MS sheet 24-SWG Sheet on all Sides, Back & Top and for partitions/ Shelves and 1"x1"x1/8" Angle Iron for Leaf Frame duly welded with 18-SWG for Front Door and hinges and locking arrangement ,handles duly painted with hammar paint 3-coats complete in all respect as approved by the Engineer Incharge.	Per Sft	361.05	2,417.65	Per Sqm	3,885.10	26,014.10		
67	Providing and Fixing steel grating on windows comprising of 3/4" MS square bars of 4" c/c penetrated through punched holes of 3 no Ms flat 2" x3/8" duly welded wiith 2" x2" x3/8" angle iron frame i/c three coat painting complete in all respect as approved by the Engineer incharge.	Per Sft	120.95	1,305.00	Per Sqm	1,301.30	14,041.60		
68	P/F iron grated doors comprising of 2-1/2" x2-1/2" x3/8" angle iron chowkat ,2" x2" x3/8" angle iron frame and with 3/4" square bar at 4" center to center penetrate through punch holes of 2-nos 2" x3/8" MS flat horizontal bracings i/c cost of gussesst plates of 3/8" MS sheet, hinges, MS Sliding Bolts and three coats of painting complete in all respect as approved and directed by the Engineer incharge.	Per Sft	107.95	3,105.35	Per Sqm	1,161.35	33,413.65		
69	Providing and fixing rolling Shutter, comprising of 8 mm dia plain MS steel bars duly bent in the shape of sine waves roll in MS Channels of size 2"X 1-1/4"X 1/8" i/c the cost of 1-1/2" dia G1 Pipe for rolling,pullies , springs, 24 SWG G1 sheet covering box for machine,puling handles of of angle iron 1-1/2"X1-1/2"X1/8", holdfast and painting charges , complete in all respects as approved and directed by the Engineer Incharge.	Per Sft	150.60	611.65	Per Sqm	1,620.25	6,581.60		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
70	Providing and fixing MS louvered door comprising of 3/4"x3/4"x2" louvers of 16 SWG MS sheet welded with door frame of size 2"x4" 16 SWG MS pipe with lock rail i/c the cost of handles, 1" dia MS sliding bolt, three coats of fire proof paint complete in all respect as approved and directed by the Engineer Incharge.	Per Sft	211.85	1,412.75	Per Sqm	2,279.30	15,201.15		
71	Providing and fixing 12 mm Tempered Glass Door frameless comprising of aluminium H-section (D48) at bottom, H-type S.S framless handles both side (approved), top pivot hinges, bottom concealed floor machine hinges, s.s patch fitting, D glass door lock (approved) and all the cost of using approved standard fittings, accessories etc., and hardware any required, as shown on drawings, complete in all respect as per Specifications, as approved by the Engineer.	Per Sft	185.65	1,997.35	Per Sqm	1,919.95	20,658.85		
BARBED WIRE FENCING									
72	Providing and fixing barbed wire fencing on compound wall, consisting of 1½"x1½"x3/16" (40x40x5 mm), angle iron post 3¼ ft. (990 mm) long, 5 to 6 ft. (1500 to 1800 mm) centre to centre, embedded in cement concrete 1:4:8, base of size 9"x9"x12" (225x225x300 mm), and three rows of barbed wire, painting posts, etc. complete in all respects.	100Rft.	5,170.10	29,962.45	Per Meter	169.60	983.00		
73	Providing and fixing barbed wire fencing on compound wall, consisting of 1½"x1½"x3/16" (40x40x5mm) angle iron post 3' (900 mm) long, 4' (1200 mm) apart embedded in cement concrete 1:4:8 base of size 6"x6"x9" (150x150x225 mm) and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	100Rft.	8,581.00	38,384.75	Per Meter	281.55	1,259.35		
74	Providing and fixing barbed wire fencing, with 4 horizontal and two cross wires, with R.C.C. 1:2:4 posts, 5.5"x6"x9" (1.68mx150mmx225 mm) at 8 ft. (2.45 m) centre to centre, reinforced with 4 No. 3/8" (10 mm) dia vertical bars and 1/8" (3 mm) dia stirrups 12" (300 mm) centre to centre, complete in all respects.								
	i) without cement concrete base.	100Rft.	19,668.00	62,367.75	Per Meter	645.10	2,045.65		
	ii) in cement concrete 1:4:8 base of size 12"x12"x21" (300x300x525 mm).	100Rft.	21,846.45	69,118.75	Per Meter	716.55	2,267.10		

CHAPTER NO.26 (MISCELLANEOUS)

Rates for all finished works include the removal of surplus debris, unused material and byproducts.

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Notice board made of cement, sand mortar 1:3.	Per Sft.	183.15	209.30	Per Sqm	1,970.70	2,252.30		The board is to be of cement plaster ½" (13 mm) thick, with 2" (50 mm) wide and 1" (25 mm) thick beading.
2	Fixing handles to iron hammers.	Each	247.50	-	Each	247.50	-		
3	Providing and fixing barbed wire fencing, with 4 horizontal and 2 number cross wires fixed with posts of R.C.C., 1:2:4 (straining posts 7"x9"x9" (2.13 mx225x225 mm) at 100' (30 m) centre to centre, stiffening posts 7"x6"x6" (2.13 mx150x150 mm) at 50 ft. (15 m) interval and intermediate post 7"x5"x5" (2.13 mx125x125 mm) at 8 ft.(2.4 m) centre to centre), including cost of steel, its fabrication and placing of steel reinforcement, eye bolts, washers, etc. complete.	100Rft.	17,793.10	64,339.55	Per Meter	583.75	2,110.90		Vertical bars in straining and stiffening posts to be 4 No. each by ½" (13 mm) dia and for intermediate posts to be 4 No. of ¾" (10 mm) dia Stirrups for all posts to be ¾" (6 mm) dia. at 12" (300 mm) centre to centre.
Surveying and Mapping									
4	Supplying Bamboo Jhandies 10' to 12' (3.00 to 3.65 m) with iron shoes, and flags 15" (375mm) square.	Each	104.30	1,156.70	Each	104.30	1,156.70		
5	Supplying wooden pegs for levelling, 1½" (40 mm) dia, 6" (150mm) long.	100Nos.	396.00	429.70	100Nos.	396.00	429.70		
6	Supplying wooden pegs for alignment, 2" to 3" dia (50 to 75 mm), 9" (225 mm) long.	100Nos.	950.40	1,339.20	100Nos.	950.40	1,339.20		
7	Fixing enamelled iron gauges flush with masonry, including cost of hooks.	Per Rft	212.85	230.15	Per Meter	698.35	755.00		
8	Placing boundary pillars in position, including digging pits.	Each	141.90	-	Each	141.90	-		
9	Fixing main line type distance mark in position, including making 1:3:6 cement concrete base block, size 14"x10"x15" (350x250x375 mm).	Each	613.80	988.00	Each	613.80	988.00		Composite rate does not include cost of iron distance marks.
10	Detailed Plan & Profile, Levelling of Carriageway road at 100' interval, Observing cross sections at 200' interval or as directed by the Engineer incharge, Marking of Benchmarks at safe places (01) one number in each km. Preparing of existing Plan & Profile, Cross Sections on Computer, fixing of proposed profile line after finalization by the Engineer Incharge. Providing (4) four sets of plan & profile drawings and computerized calculation sheets of earth work after profile finalization, complete in all respect upto the entire satisfaction of Engineer Incharge.								
	a) Plain Terrain								
	i) Single Carriageway	P.KM	-	23,399.90	P.KM	-	23,399.90		
	ii) Dual Carriageway	P.KM	-	30,174.15	P.KM	-	30,174.15		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	b) Hilly Terrain								
	i) Single Carriageway	P.KM	-	30,024.10	P.KM	-	30,024.10		
	ii) Dual Carriageway	P.KM	-	33,089.65	P.KM	-	33,089.65		
11	Topographic Survey with coordinates for buildings, bridge construction or road covering detail of all existing features within 1000' each side. Existing Cross Sections at specified intervals of the area of interest at each change in topographic feature or as directed by the Engineer Incharge. Plan and Profile data of Existing Roads, collecting all utilities data such as Buildings, telephone poles, electric lines/poles, HT Lines, Manholes etc complete in all respect upto the entire satisfaction of the Engineer Incharge.	P.Kanal	-	479.70	P.Kanal	-	479.70		
	Hand Pumps & Pressure Pipes								
12	Cutting pipes, upto 2" (50 mm) dia.	Per cut	141.90	-	Per cut	141.90	-		
13	Cutting pipe, above 2" (50 mm) dia.	Per cut	260.35	-	Per cut	260.35	-		
14	Threading pipe ends, 1½" (40 mm) to 4" (100 mm) dia.	Each End	181.50	-	Each End	181.50	-		
15	Assembling 1½" (40 mm) dia pressure pipe.	100Lft.	649.70	-	Per Meter	21.30	-		
16	Boring and fixing 1½" (40 mm) dia pressure pipe:								
	a) in ordinary soil	Per Rft.	224.00	-	Per Meter	734.85	-		
	b) in clay	Per Rft.	435.60	-	Per Meter	1,429.15	-		
	c) in shingle	Per Rft.	647.21	-	Per Meter	2,123.40	-		
17	Repairs to hand pump, pulling out and refitting.	Per Rft.	99.00	-	Per Meter	324.80	-		
18	Fixing hand pump (Machine only)	Each	475.20	-	Each	475.20	-		
	Rest House Furniture & Fuel, etc.								
19	Washing Niwar of bed.	Per bed	1,410.75	1,511.55	Per bed	1,410.75	1,511.55		
20	Washing Durries.	100Sft.	1,881.00	2,121.00	sq.m	202.50	228.30		
21	Recaning chairs:								
	i) office chairs, single caning seat only.	Each	831.60	898.40	Each	831.60	898.40		
	ii) office chairs, double caning seat only.	Each	1,069.20	1,163.50	Each	1,069.20	1,163.50		
	iii) office chairs, single caning back only.	Each	594.00	598.25	Each	594.00	598.25		
	iv) office chairs, double caning back only.	Each	950.40	986.55	Each	950.40	986.55		
	v) easy chairs, single caning seat only.	Each	594.00	683.60	Each	594.00	683.60		
	vi) easy chairs, double caning seat only.	Each	1,663.20	1,796.80	Each	1,663.20	1,796.80		
	vii) easy chairs, single caning only, back and seat in one piece.	Each	2,376.00	2,926.20	Each	2,376.00	2,926.20		
	viii) easy chairs, double caning back & seat in one piece or couches with caned area about 16 Sft (1.5 Sqm).	Each	3,564.00	4,900.20	Each	3,564.00	4,900.20		
22	Making and fixing Hat pegs ordinary.	Each	427.70	2,837.30	Each	427.70	2,837.30		
23	Weaving charpoy.	Each	1,544.40	-	Each	1,544.40	-		
24	Sweeping chimney.	Each	313.50	314.90	Each	313.50	314.90		
25	Picture railing, including making, fixing and painting.	Per Rft.	122.35	389.60	Per Meter	401.45	1,278.25		
26	Cutting fuel wood, from plantation.	100Kg	419.85	-	100Kg	419.85	-		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
27	Splitting fuel wood.	100Kg	879.45	-	100Kg	879.45	-		
28	Burning charcoal, including loading, unloading and repairing kilns.	100Kg of Char-coal	1,480.25	-	100Kg of Char-coal	1,480.25	-		
29	Filling cement bags with coal and sewing (including cost of strings).	100Cft.	3,856.05	3,859.40	Per Cum	1,361.95	1,363.15		
30	Supplying manure.	Cart Load	470.25	697.05	Cart Load	470.25	697.05		Capacity of cart, 20 Cft. (0.57 cu.m).
31	Washing punkha frills.	Each	475.20	-	Each	475.20	-		
32	Washing:-								
	a) table cloth	Each	118.80	-	Each	118.80	-		
	b) napkins, dusters, etc.	Each	79.20	-	Each	79.20	-		
33	Hoisting and placing sleepers for centring, including carriage within one chain.	Each No.	170.80	-	Each No.	170.80	-		
34	Dismantling sleepers from centring, including stacking within one chain.	Each No.	194.30	-	Each No.	194.30	-		
35	Dredging Sumps.	Per Shift	7,053.75	-	Per Shift	7,053.75	-		Not less than five gangmen to be employed for each shift to ensure effective dredging.
36	Fixing 'U' bolt in masonry or concrete, including levelling and tying for fixing angle iron post.	Each	552.75	-	Each	552.75	-		
37	Bailing out water:-								
	a) by hand	1000 Cft.	5,643.00	-	Per Cum	199.30	-		Rate includes cost of providing pump, POL and operation charges, etc.
	b) by pump	1000 Cft.	665.15	1,098.75	Per Cum	23.50	38.80		
38	Drilling holes in R.C. Trough.	Per Nos.	354.75	-	Per Nos.	354.75	-		
39	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.								The rate includes overlaps.
	i) 300 gauge (.003" thick)	Per Sft.	3.55	8.20	Per Sqm	38.35	88.35		
	ii) 500 gauge (.005" thick)	Per Sft.	7.15	11.00	Per Sqm	76.70	118.55		
40	Laying 2" (50 mm) thick sand and bitumen carpet, on top of foundation of oil tank.	100Sft.	3,829.00	13,722.10	Per Sqm	412.00	1,476.50		
41	Cutting hole 4"x6" (100x150 mm) in stone masonry or brick wall with chisel, repairing masonry and removing debris within one chain lead.	Per Hole	608.15	-	Per Hole	608.15	-		Same rate to be paid for other type of masonry and R.C.C. work.
42	Making 1½"x1½" (40x40 mm) groove in wall of stone or brick masonry in cement for fixing planks upto 9" (225 mm) deep.	Per Plank	532.15	-	Per Plank	532.15	-		
43	Drilling holes in stone or brick masonry upto 2" (50 mm) dia, per inch (25 mm) depth.	Per hole per inch depth	188.10		Per hole per c.m depth	75.25			

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
44	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect as approved by the Engineer Incharge.	Per Sft	1.75	12.55	Per Sqm	18.70	135.25		(Only applicable for new buildings)
45	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2" 16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embedded in P.C:C (1:2:4) i/c the cost of excavation, cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge.								
	(i) 4" dia GI Pipe Supports	Per Sft	38.40	945.00	Per Sqm	413.25	10,167.95		
	(ii) 3" dia GI pipe Supports	Per Sft	38.40	866.50	Per Sqm	413.25	9,323.35		
46	Supply and Erection of 10 ft high Cantiliver type Car Parking Shed consisting of 3 mm thick fiber glass sheet roof fixed / riveted with moulded curved frame comprising of 1-1/2"x1-1/2" 16-SWG MS box placed @ 2 ft C/C both sides and 1-1/2"x3" M.S box 16-SWG at front and back side welded on cantiliver arch type MS pipe 3" dia arms welded with 3/8" thick and 8" dia Main Post duly welded with 1/2" thick 1.5'x1.5' base plate and 4 no stiffeners of 1/2" thick MS sheet embedded in PCC 2'x2'x3' with 18" long nut bolts 1" dia i/c cost of foundation, cutting straightening assembling, bending as per drawing, welding / grinding of joints and painting three coats complete in all respect as approved by the Engineer Incharge.								
	(i) One side Cantiliver	Per Sft	57.05	967.25	Per Sqm	614.10	10,407.70		
	(ii) Both side Cantiliver	Per Sft	39.55	812.05	Per Sqm	425.45	8,737.70		
47	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c clad over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1 1/2"x1 1/2"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge.								
	(i) 24" diameter	Per Rft	140.30	647.50	Per Meter	1,509.40	6,967.05		
	(ii) 18" diameter	Per Rft	140.30	592.10	Per Meter	1,509.40	6,371.15		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
48	Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2" mesh made of wire of specified guage, with the help of 1"x1/8" GI patti, GI clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embeded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge.								
	(i) 8 SWG	Per Sft	32.20	502.45	Per Sqm	346.55	5,406.60		
	(ii) 10 SWG	Per Sft	32.20	473.35	Per Sqm	346.55	5,093.30		
49	Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized , sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge.								
	(a) 40 Kg/m3								
	(i) 50 mm thick	Per Sft	64.80	1,136.70	Per Sqm	697.50	12,235.70		
	(ii) 60 mm thick	Per Sft	64.80	1,274.75	Per Sqm	697.50	13,721.35		
	(iii) 75 mm thick	Per Sft	64.80	1,648.65	Per Sqm	697.50	17,745.90		
	(iv) 100 mm thick	Per Sft	64.80	2,166.70	Per Sqm	697.50	23,322.60		
	(v) 125 mm thick	Per Sft	64.80	2,671.40	Per Sqm	697.50	28,755.20		
	(vi) 150 mm thick	Per Sft	64.80	3,681.85	Per Sqm	697.50	39,631.50		

CHAPTER NO.27 (Heating Ventilation & Air Conditioning)

MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT ATTOCK

Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
1	Supplying, fabrication and installation of duct using prime quality hot dipped G.I sheet metal (Z-275) of specified thickness including the cost of hangers , tees, bends , reducers, elbows, turning vanes and splitter etc coupled with jointing sealant , mounting supports @ 8 ft c/c and smoke testing charges complete in all respects as approved and directed by the Engineer Incharge.							23.60	
	(i) 28-SWG	Per Sft	32.25	232.60	Per Sqm	347.00	2,502.75		
	(ii) 26-SWG	Per Sft	32.25	249.10	Per Sqm	347.00	2,680.10		
	(iii) 24-SWG	Per Sft	32.25	298.05	Per Sqm	347.00	3,207.25		
	(iv) 22-SWG	Per Sft	41.55	350.90	Per Sqm	447.10	3,775.65		
	(v) 20-SWG	Per Sft	41.55	390.75	Per Sqm	447.10	4,204.30		
	(vi) 18-SWG	Per Sft	41.55	481.50	Per Sqm	447.10	5,180.75		
2	Supplying, fabrication and installation of round flue duct of specified diameter, using prime quality MS sheet of 12 SWG duly welded i/c the cost of hangers , tees, bends , reducers, elbows , mounting supports @ 6 ft c/c complete in all respects as approved and directed by the Engineer Incharge.	Per Sft	37.00	734.00	Per Sqm	397.85	7,897.85		
3	Supplying, fabrication and installation of round welded type grease exhaust duct of specified diameter, using prime quality MS sheet of 14 SWG duly welded i/c the cost of hangers , tees, bends , reducers, elbows , cleanout access panel, mounting supports @ 6 ft c/c complete in all respects as approved and directed by the Engineer Incharge.	Per Sft	37.00	521.95	Per Sqm	397.85	5,616.10		
4	Supply & Installation of foil faced round flexible duct made of reinforced Fabric mechanically interlocked with corrosion resistant metal spiral helix with 1" factory applied fibreglass insulation of specified size i/c the cost of insulation and supports as per drawings with all accessories and fittings complete in all respect as approved and directed by Engineer Incharge.								
	(i) 6" dia	Per Rft	51.85	353.70	Per Metre	170.05	1,160.10		
	(ii) 8" dia	Per Rft	51.85	446.80	Per Metre	170.05	1,465.60		
	(iii) 10" Dia	Per Rft	51.85	539.95	Per Metre	170.05	1,771.05		
	(iv) 12" Dia	Per Rft	51.85	638.10	Per Metre	170.05	2,093.05		
	(v) 14" Dia	Per Rft	51.85	716.15	Per Metre	170.05	2,348.90		
	(vi) 16" Dia	Per Rft	51.85	814.30	Per Metre	170.05	2,670.90		
5	Supply, wrapping of 3" thick foil-faced Rockwool thermal Insulation of nominal density with built in GI wire mesh as per specifications and drawings conforming to BS 5422:2009 complete in all respect as approved and directed by the Engineer Incharge.								
	(i) 30-40 kg/m3	Per Sft	8.00	159.55	Per Metre	86.10	1,716.85		
	(ii) 45-50 kg/m3	Per Sft	8.00	202.60	Per Metre	86.10	2,180.75		
	(iii) 55-60 kg/m3	Per Sft	8.00	228.80	Per Metre	86.10	2,462.70		
	(iv) 65-80 kg/m3	Per Sft	8.00	268.10	Per Metre	86.10	2,885.65		
	(v) 85-90 kg/m3	Per Sft	8.00	298.00	Per Metre	86.10	3,207.90		
	(vi) 95-100 kg/m3	Per Sft	8.00	326.10	Per Metre	86.10	3,510.00		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
6	Providing and wrapping foil-faced fiber glass blanket insulation having specified density & thickness with factory applied vapour barrier/Aluminium foil i/c the cost of 8 oz canvas cloth wrapping around with 2" wide self adhesive Aluminium tape and PVC mechanical fasteners.All longitudinal and circumferential joints shall be sealed complete in all respects as approved and directed by Engineer Incharge.								
	a) 12 kg/m3								
	(i) 1" thick	Per Sft	21.60	106.65	Per Sqm	232.40	1,147.80		
	(ii) 2" thick	Per Sft	21.60	109.10	Per Sqm	232.40	1,173.95		
	b) 16 kg/m3								
	(i) 1" thick	Per Sft	21.60	95.25	Per Sqm	232.40	1,024.80		
	(ii) 2" thick	Per Sft	21.60	111.60	Per Sqm	232.40	1,201.05		
	c) 24 kg/m3								
	(i) 1" thick	Per Sft	21.60	96.50	Per Sqm	232.40	1,038.35		
	(ii) 2" thick	Per Sft	21.60	112.90	Per Sqm	232.40	1,214.60		
7	Providing and fixing 1" thick bonded fiberglass Blanket sound liner (Acoustic Liner) having density of 24 kg/m3 with NRC (Noise Reduction Coefficient of 0.6) in ducts, fire retardant type with 100% surface applied with adhesive as well as mechanical fasteners (Gripnails) complete in all respect as approved and directed by Engineer Incharge,	Per Sft	18.00	200.65	Per Sqm	193.70	2,159.00		
8	Providing and installation extruded anodized/Powder coated aluminum Supply Air registers have horizontal and vertical adjustable deflecting bars and opposed blade volume control dampers adjustable from face with a removable key with minimum of 75% free area complete in all respects as approved and directed by the Engineer Incharge.	Per Sft	270.00	4,755.90	Per Sqm	2,905.20	51,173.35		
9	Providing and installation Return/Exhaust Air grilles made of specified material having horizontal and vertical adjustable deflecting bars,grilles with minimum of 75% free area complete in all respects as approved and directed by the Engineer Incharge .								
	a) Electrostatic oven Cured Powder Coated/Anodized Extruded Aluminum								
	(i) 1.00 mm thick	Per Sft	270.00	3,236.05	Per Sqm	2,905.20	34,819.80		
	(i) 1.20 mm thick	Per Sft	270.00	3,370.85	Per Sqm	2,905.20	36,270.45		
	b) Powder Coated ACRYLONITRILE BUTADIENE STYRENE (ABS) Plastic made								
	(i) 2 mm Thick	Per Sft	270.00	3,042.00	Per Sqm	2,905.20	32,731.90		
	(ii) 3 mm Thick	Per Sft	270.00	3,168.00	Per Sqm	2,905.20	34,087.70		
	(iii) 4 mm Thick	Per Sft	270.00	3,294.00	Per Sqm	2,905.20	35,443.45		
	(iv) 5 mm Thick	Per Sft	270.00	3,420.00	Per Sqm	2,905.20	36,799.20		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
10	Providing and installation Air Difuser made of specified material (of any shape, round, square, rectangular or linear and furnished with multi-louver type volume dampers in neck controlled from face of the diffusers) complete in all respects as approved and directed by the Engineer Incharge. a) Electrostatic oven Cured Powder Coated/Anodized Extruded Aluminum (i) 1.00 mm thick (ii) 1.20 mm thick (iii) Linear Slotted Diffuser b) Powder Coated ACRYLONITRILE BUTADIENE STYRENE (ABS) Plastic made (i) 2 mm Thick (ii) 3 mm Thick (iii) 4 mm Thick (iv) 5 mm Thick	Per Sft Per Sft Per Sft Per Sft Per Sft Per Sft Per Sft	216.00 216.00 216.00 216.00 216.00 216.00 216.00	3,182.05 3,316.85 1,278.00 2,988.00 3,114.00 3,240.00 3,366.00	Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm	2,324.15 2,324.15 2,324.15 2,324.15 2,324.15 2,324.15 2,324.15	34,238.75 35,689.40 13,751.30 32,150.90 33,506.65 34,862.40 36,218.15		
11	Providing and installing opposed blade Volume Dampers (Air-Handler), of Prime Quality G.I sheet of specified thickness, (The quadrant volume damper shall be multi-leaf type, with a maximum blade width of 8", heavy duty quadrant operators of brass with stand off mountings on thermally insulated ducts to provide clearance between the duct surface and operator, equal to the thickness of the insulation, capable of being locked at desired position conveniently, provided with a baked enamel finish complete in all respects as approved and directed by the Engineer Incharge. (i) 16 SWG (ii) 18 SWG	Per Sft Per Sft	135.00 135.00	4,170.60 3,391.80	Per Sqm Per Sqm	1,452.60 1,452.60	44,875.65 36,495.75		
12	Supply & Installation of multi layer aluminium sheet jacketing of specified thickness, coated with UV (Ultra Violet) protection & polymer backing having saltwater resistance and fire performance conforming to ASTM-C1729M over exposed duct/pipe insulations where required and specified i/c the cost of Metal banding solution sealant as approved and directed by Engineer Incharge. i) 0.3 mm Thick ii) 0.4 mm Thick iii) 0.5 mm Thick iv) 0.6 mm Thick v) 0.8 mm Thick vi) 1.00 mm Thick vii) 1.20 mm Thick	Per Sft Per Sft Per Sft Per Sft Per Sft Per Sft Per Sft	12.35 12.35 12.35 12.35 12.35 12.35 12.35	115.60 148.20 180.75 213.35 278.50 343.65 397.40	Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm Per Sqm	133.05 133.05 133.05 133.05 133.05 133.05 133.05	1,243.90 1,594.45 1,944.95 2,295.50 2,996.55 3,697.65 4,276.20		
13	Supply & Installation of duct flexible connector of specified material and coatings and width as per drawings with all accessories and fittings complete in all respect as approved and directed by Engineer Incharge. a) Robust Polyester with PVC Coating (i) 9" Wide (ii) 6" Wide	Per Rft Per Rft	43.20 43.20	417.75 302.50	Per Metre Per Metre	141.70 141.70	1,370.20 992.20		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
14	b) Glassfiber with Neoprene Coating								
	(i) 9" Wide	Per Rft	43.20	1,052.55	Per Metre	141.70	3,452.35		
	(ii) 6" Wide	Per Rft	43.20	829.55	Per Metre	141.70	2,720.85		
	c) Glassfiber with Polyurethane Coating								
	(i) 9" Wide	Per Rft	43.20	842.75	Per Metre	141.70	2,764.25		
	(ii) 6" Wide	Per Rft	43.20	776.60	Per Metre	141.70	2,547.30		
	d) Glassfiber with Silicon Coating								
	(i) 9" Wide	Per Rft	43.20	975.05	Per Metre	141.70	3,198.20		
	(ii) 6" Wide	Per Rft	43.20	776.60	Per Metre	141.70	2,547.30		
	Supply & Installation of bellow type pipe flexible connector manufactured with high resistant - impregnated rubber and metal flanges made of Econosto (Holand), Tozen (Japan) or Scon (Pakistan) i/c the cost of Gaskit and not bolts, as approved and directed by Engineer Incharge.								
	i) 2" dia	Each	967.50	9,367.50	Each	967.50	9,367.50		
	ii) 2-1/2" dia	Each	967.50	11,767.50	Each	967.50	11,767.50		
	iii) 3" dia	Each	967.50	15,127.50	Each	967.50	15,127.50		
	iv) 4" dia	Each	967.50	17,527.50	Each	967.50	17,527.50		
15	v) 5" dia	Each	967.50	25,447.50	Each	967.50	25,447.50		
	vi) 6" dia	Each	1,548.00	32,828.60	Each	1,548.00	32,828.60		
	vii) 8" dia	Each	1,548.00	39,745.45	Each	1,548.00	39,745.45		
	viii) 10" dia	Each	1,548.00	66,174.90	Each	1,548.00	66,174.90		
	Supply & Installation of pre-formed tube of Elastomeric closed cell FM foam type insulation of specified thickness having density of 40-65 Kg / m ³ and thermal conductivity of 0.035 W/M at 25 degree centigrade of fire performance conforming to UK building regulation of class - 0 rating C2, complete including the cost of adhesives and sealers as specified for chilled/ hot water piping and fittings including valves, strainers as approved and directed by Engineer Incharge.								
	a) 12 mm thick								
	i) 3/4" dia	Per Rft	19.35	72.45	Per Meter	63.45	237.70		
	ii) 1" dia	Per Rft	19.35	82.35	Per Meter	63.45	270.15		
	iii) 1-1/4" dia	Per Rft	19.35	97.20	Per Meter	63.45	318.80		
	iv) 1-1/2" dia	Per Rft	19.35	112.00	Per Meter	63.45	367.45		
	v) 2" dia	Per Rft	38.70	154.25	Per Meter	126.95	505.90		
	vi) 3" dia	Per Rft	38.70	209.55	Per Meter	126.95	687.30		
	b) 19 mm thick								
	i) 1/4" dia	Per Rft	9.70	124.60	Per Meter	31.75	408.65		
	ii) 3/8" dia	Per Rft	9.70	143.15	Per Meter	31.75	469.50		
	iii) 1/2" dia	Per Rft	9.70	146.85	Per Meter	31.75	481.65		
	iv) 5/8" dia	Per Rft	19.35	163.95	Per Meter	63.45	537.70		
	v) 3/4" dia	Per Rft	19.35	176.30	Per Metre	63.45	578.25		
	vi) 7/8" dia	Per Rft	19.35	188.65	Per Meter	63.45	618.80		
	vii) 1" dia	Per Rft	19.35	203.50	Per Metre	63.45	667.45		
	viii) 1-1/8" dia	Per Rft	38.70	248.80	Per Metre	126.95	816.05		
	ix) 1-1/4" dia	Per Rft	38.70	261.15	Per Metre	126.95	856.55		
	x) 1-3/8" dia	Per Rft	38.70	313.00	Per Meter	126.95	1,026.65		
	xi) 1-1/2" dia	Per Rft	38.70	315.55	Per Meter	126.95	1,034.95		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
16	xii) 1-3/4" dia	Per Rft	38.70	401.10	Per Metre	126.95	1,315.70		
	xiii) 2" dia	Per Rft	38.70	415.65	Per Metre	126.95	1,363.35		
	xiv) 2-1/2" dia	Per Rft	38.70	482.40	Per Metre	126.95	1,582.25		
	xv) 3" dia	Per Rft	38.70	554.10	Per Metre	126.95	1,817.40		
	xvi) 4" dia	Per Rft	58.05	742.75	Per Metre	190.40	2,436.25		
	b) 25 mm thick								
	i) 5" dia	Per Rft	58.05	1,631.05	Per Metre	190.40	5,349.75		
	ii) 6" dia	Per Rft	58.05	1,767.30	Per Metre	190.40	5,796.75		
	iii) 8" dia	Per Rft	77.40	2,091.65	Per Metre	253.85	6,860.55		
	c) 32 mm thick								
	i) 10" dia	Per Rft	77.40	2,353.80	Per Metre	253.85	7,720.40		
	ii) 12" dia	Per Rft	77.40	2,669.15	Per Metre	253.85	8,754.80		
	iii) 14" dia	Per Rft	96.75	2,987.00	Per Metre	317.35	9,797.35		
	Supply & Installation of High Density (64 Kg/m ³) Aluminum foil faced fiberglass pipe insulation for chilled/hot water piping and fittings and protections of valves, strainers etc i/c the cost of canvas cloth as approved and directed by Engineer Incharge.								
	a) 25 mm thick								
	(i) 3/4" dia	Per Rft	38.70	406.60	Per Metre	126.95	1,333.65		
	(ii) 1" dia	Per Rft	38.70	434.20	Per Metre	126.95	1,424.10		
	(iii) 1-1/4" dia	Per Rft	38.70	467.10	Per Metre	126.95	1,532.00		
	(iv) 1-1/2" dia	Per Rft	38.70	498.20	Per Metre	126.95	1,634.10		
	(v) 2" dia	Per Rft	58.05	575.35	Per Metre	190.40	1,887.20		
	(vi) 2-1/2" dia	Per Rft	58.05	704.25	Per Metre	190.40	2,309.90		
	(vii) 3" dia	Per Rft	58.05	747.50	Per Metre	190.40	2,451.80		
17	b) 50 mm thick								
	(i) 4" dia	Per Rft	77.40	1,020.25	Per Metre	253.85	3,346.35		
	(ii) 5" dia	Per Rft	77.40	1,292.15	Per Metre	253.85	4,238.25		
	(iii) 6" dia	Per Rft	77.40	1,428.10	Per Metre	253.85	4,684.20		
	(iv) 8" dia	Per Rft	77.40	1,491.40	Per Metre	253.85	4,891.75		
	(v) 10" dia	Per Rft	96.75	2,287.95	Per Metre	317.35	7,504.45		
	(vi) 12" dia	Per Rft	96.75	2,844.15	Per Metre	317.35	9,328.75		
	(vii) 14" dia	Per Rft	96.75	3,758.80	Per Metre	317.35	12,328.80		
	Supply & Installation built in Microban Elastomeric closed cell FM approved Foam type insulation of 40-65 kg/m ³ density and thermal conductivity of 0.035 W/M at 25 degree centigrade of fire performance closely woven fiberglass cloth conforming to UK building regulation of clause - 0 rating as specified, complete including the cost of adhesives and sealers as approved and directed by Engineer Incharge.								
	(i) 6 mm thick	Per Sft	15.50	134.20	Per Sqm	166.65	1,444.45		
	(ii) 9 mm thick	Per Sft	15.50	168.35	Per Sqm	166.65	1,812.20		
	(iii) 12 mm thick	Per Sft	15.50	208.05	Per Sqm	166.65	2,239.30		
	(iv) 19 mm thick	Per Sft	15.50	244.30	Per Sqm	166.65	2,629.40		
	Supply & Installation of 5 mm thick polyethylene (PE) insulation for condensate drain pipes of required size for AHU and FCU pipes covered with PVC tape as per specifications /drawings with all accessories and fittings as approved and directed by Engineer Incharge.								
	(i) 3/4 " dia pipe	Per Rft	19.35	101.20	Per Metre	63.45	331.90		
	(ii) 1 " dia pipe	Per Rft	19.35	198.40	Per Metre	63.45	650.85		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
19	(iii)1-1/4" dia pipe	Per Rft	38.70	278.95	Per Metre	126.95	914.90		
	(iv)1-1/2 " dia pipe	Per Rft	38.70	332.25	Per Metre	126.95	1,089.80		
	(v)2 " dia pipe	Per Rft	38.70	358.90	Per Metre	126.95	1,177.20		
19	Supply & Installation of washable aluminium metal mesh filter consists primarily of layers of aluminium slit and expanded into mesh of differing densities duly fixed in frame of specified thickness for AHUs fabricated with min. 12 mesh layers at fresh air intake on outside of AHU as approved and directed by Engineer Incharge.								
20	(i) 1" Thick	Per Sft	96.75	586.00	Per Sqm	1,041.05	6,305.10		
	(ii) 2" Thick	Per Sft	96.75	789.90	Per Sqm	1,041.05	8,499.15		
	(iii) 3" Thick	Per Sft	96.75	993.80	Per Sqm	1,041.05	10,693.15		
	Supply & Installation of Electrostatic Ovenured Powder coated/ extruded anodized rectangular/Squar aluminium louver duly fixed in frame of specified thickness for intake/Exhaust air with fine finishing as approved and directed by Engineer Incharge.	Per Sft	48.40	1,516.40	Per Sqm	520.50	16,316.60		
21	Supply & installation closed cell type Aluminium foil faced XLPE (Cross linked polyethelene) polyolefin pipe insulation tube of density 25 Kg/m³ of specified thickness & thermal conductivity 0.035 w/m °C and fire retardent of Class "o" rating as specified for refrigerant copper piping as approved by the Engineer Incharge.								
	a) 20 mm thick								
	(i) 1/4" dia	Per Rft	9.70	224.25	Per Metre	31.75	735.55		
	(ii) 3/8" dia	Per Rft	9.70	247.60	Per Metre	31.75	812.15		
	(iii) 1/2" dia	Per Rft	9.70	326.80	Per Metre	31.75	1,071.85		
	(iv) 5/8" dia	Per Rft	19.35	352.05	Per Metre	63.45	1,154.65		
	(v) 3/4" dia	Per Rft	19.35	370.20	Per Metre	63.45	1,214.25		
	(vi) 7/8" dia	Per Rft	19.35	396.15	Per Metre	63.45	1,299.40		
	(vii) 1" dia	Per Rft	38.70	431.10	Per Metre	126.95	1,413.95		
	(viii) 1-1/8" dia	Per Rft	38.70	453.15	Per Metre	126.95	1,486.30		
	(ix) 1-1/4" dia	Per Rft	38.70	464.80	Per Metre	126.95	1,524.60		
	(x) 1-1/2" dia	Per Rft	58.05	499.75	Per Metre	190.40	1,639.15		
	(xi) 1-5/8" dia	Per Rft	58.05	532.20	Per Metre	190.40	1,745.60		
	(xii) 1-3/4" dia	Per Rft	58.05	571.10	Per Metre	190.40	1,873.30		
	(xiii) 2" dia	Per Rft	77.40	617.75	Per Metre	253.85	2,026.15		
	(xiv) 2-1/2" dia	Per Rft	77.40	789.05	Per Metre	253.85	2,588.05		
	(xv) 3" dia	Per Rft	77.40	807.55	Per Metre	253.85	2,648.85		
	b) 25 mm thick								
	(i) 1/4" dia	Per Rft	9.70	260.05	Per Metre	31.75	853.05		
	(ii) 3/8" dia	Per Rft	9.70	290.95	Per Metre	31.75	954.35		
	(iii) 1/2" dia	Per Rft	9.70	310.95	Per Metre	31.75	1,019.90		
	(iv) 5/8" dia	Per Rft	19.35	362.40	Per Metre	63.45	1,188.70		
	(v) 3/4" dia	Per Rft	19.35	382.40	Per Metre	63.45	1,254.25		
	(vi) 7/8" dia	Per Rft	19.35	433.25	Per Metre	63.45	1,421.15		
	(vii) 1" dia	Per Rft	38.70	483.50	Per Metre	126.95	1,585.90		
	(viii) 1-1/8" dia	Per Rft	38.70	514.40	Per Metre	126.95	1,687.20		
	(ix) 1-1/4" dia	Per Rft	38.70	543.45	Per Metre	126.95	1,782.55		
	(x) 1-1/2" dia	Per Rft	58.05	584.60	Per Metre	190.40	1,917.55		
	(xi) 1-5/8" dia	Per Rft	58.05	611.35	Per Metre	190.40	2,005.25		
	(xii) 1-3/4" dia	Per Rft	58.05	644.60	Per Metre	190.40	2,114.20		
	(xiii) 2" dia	Per Rft	77.40	759.20	Per Metre	253.85	2,490.15		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
	(xiv) 2-1/2" dia	Per Rft	77.40	836.55	Per Metre	253.85	2,743.85		
	(xv) 3" dia	Per Rft	77.40	934.60	Per Metre	253.85	3,065.40		
	(xvi) 4" dia	Per Rft	77.40	1,214.05	Per Metre	253.85	3,982.05		
	(xvii) 5" dia	Per Rft	77.40	1,372.25	Per Metre	253.85	4,500.95		
	(xviii) 6" dia	Per Rft	77.40	1,447.65	Per Metre	253.85	4,748.25		
	(xix) 8" dia	Per Rft	87.10	1,597.00	Per Metre	285.60	5,238.10		
	(xx) 10" dia	Per Rft	87.10	1,889.90	Per Metre	285.60	6,198.90		
	(xxi) 12" dia	Per Rft	87.10	2,517.80	Per Metre	285.60	8,258.40		
	(xxii) 14" dia	Per Rft	87.10	2,693.30	Per Metre	285.60	8,834.05		
	(xxiii) 16" dia	Per Rft	96.75	2,969.95	Per Metre	317.35	9,741.50		
	(xxiv) 18" dia	Per Rft	96.75	3,151.70	Per Metre	317.35	10,337.50		
	c) 40 mm thick (with aluminum cladding)								
	i) 3/4" dia	Per Rft	19.35	1,138.70	Per Metre	63.45	3,734.85		
	ii) 1" dia	Per Rft	38.70	1,192.65	Per Metre	126.95	3,911.85		
	iii) 1-1/4" dia	Per Rft	38.70	1,260.60	Per Metre	126.95	4,134.85		
	iv) 1-1/2" dia	Per Rft	38.70	1,292.75	Per Metre	126.95	4,240.25		
	v) 2" dia	Per Rft	77.40	1,419.20	Per Metre	253.85	4,655.00		
	vi) 2-1/2" dia	Per Rft	77.40	1,620.70	Per Metre	253.85	5,315.80		
	vii) 3" dia	Per Rft	77.40	1,676.30	Per Metre	253.85	5,498.25		
	viii) 4" dia	Per Rft	77.40	1,838.20	Per Metre	253.85	6,029.35		
	ix) 5" dia	Per Rft	77.40	2,132.40	Per Metre	253.85	6,994.20		
	x) 6" dia	Per Rft	77.40	2,546.45	Per Metre	253.85	8,352.35		
	xi) 8" dia	Per Rft	87.10	2,909.60	Per Metre	285.60	9,543.55		
	xii) 10" dia	Per Rft	87.10	3,484.35	Per Metre	285.60	11,428.70		
	xiii) 12" dia	Per Rft	96.75	3,636.15	Per Metre	317.35	11,926.65		
	xiv) 14" dia	Per Rft	96.75	4,716.45	Per Metre	317.35	15,469.90		
	xv) 16" dia	Per Rft	96.75	5,450.60	Per Metre	317.35	17,878.00		
	xvi) 18" dia	Per Rft	96.75	5,953.70	Per Metre	317.35	19,528.05		
22	Supply & installation of mild steel closed cylindrical diaphragm type, pre-charged replaceable butyl bladder & pressurized type expansion tank of specified capacity to withstand the specified water supply pressure for specified water heater capacity, duly Epoxy coated paint for heating/cooling, made of Steam Master (Pak), Caleffi (Italy), Elbi (Italy), Flamco (UK) complete i/c the cost of Air Trol Fittings, Tank drainer, Sight glass with valves, Hoze nozzle, and Hoze pipe, as shown on the drawings as approved and directed by the Engineer Incharge								
	(i) 2- Gal Capacity, Size 12-1/2"x8"	Each	967.50	32,457.70	Each	967.50	32,457.70		
	(ii) 3.2 Gal Capacity, Size 12-1/2"x11"	Each	967.50	40,101.70	Each	967.50	40,101.70		
	(iii) 4.5 Gal Capacity, Size 15"x11"	Each	967.50	54,625.30	Each	967.50	54,625.30		
	(iv) 7.0 Gal Capacity, Size 11"x21-3/8"	Each	967.50	59,976.10	Each	967.50	59,976.10		
	(v) 14 Gal Capacity, Size 20"x15-1/2"	Each	967.50	65,326.90	Each	967.50	65,326.90		
	(vi) 20 Gal Capacity, Size 27"x15-1/2"	Each	967.50	119,599.30	Each	967.50	119,599.30		
23	Supply, installation testing and commissioning of Duct insulation as per specifications and as shown on drawings cross-linked polyolefin (XLPE) thermal closed foam cell insulation of thermal conductivity 0.035 W/mK AT 23C, density 25kg/m3, factory applied aluminum foil facing and self adhesive backing with all accessories to complete the work. the product shall be UL/FM approved and class 0 specifications.								
	i) 12 mm thick for indoor ducts	Per Sft	15.50	222.90	Per Meter	166.65	2,399.25		

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Sr. No.	Description	Rate (British System)			Rate (Metric System)			Spec. No.	Remarks
		Unit	Labour	Composite	Unit	Labour	Composite		
24	ii) 25 mm thick for outdoor ducts	Per Sft	15.50	343.40	Per Meter	166.65	3,696.45		
	Supply, installation, testing & commissioning of sound liner made of Thermobreak, Aerofoam, K-Flex or Approved equivalent as per specifications and as shown on drawings cross-linked polyolefin (XLPE) sound liner semi open cell with aluminum foil / without aluminum foil, specified thickness, UL/FM approved, self adhesive backing with ss fasteners all accessories to complete the work. the product shall be class 0 specifications.								
25	i) 15 mm thick sound liner	Per Sft	15.50	310.8	Per Meter	166.65	3345.35		
	Supply & installation of 16 gauge G.I. Sheet Dampers								
	i) Fire Dampers (with UL listed fuseable link)	Per Rft	108.00	3556.75	Per Meter	1162.10	38270.70		
	ii) Motorized Fire & Smoke Dampers (with accuator)	Per Rft	108.00	6065.60	Per Meter	1162.10	65265.80		
	iii) Motorized Volume Control Dampers (with accuator)	Per Rft	108.00	6065.60	Per Meter	1162.10	65265.80		
	iv) Back Draft Dampers	Per Rft	108.00	3499.35	Per Meter	1162.10	37652.85		
26	Providing and fixing of dial type Pressure gauges 0-150 PSI range with 1% accuracy on middle scale complete with siphon and gauge cocks, Brannan /Weisse /Dwyer or approved equivalent manufacturer, complete in all respects as approved and directed by the Engineer Incharge.	Each	518.3	8618.3	Each	518.3	8618.3		
27	Providing and fixing of pipe type thermometers, vary angle type, with brass thermowells for range 0-100 deg C with 1% accuracy on middle scale, Brannan /Weisse /Dwyer or approved equivalent manufacturer, complete in all respects as approved and directed by the Engineer Incharge.	Each	518.30	10024.55	Each	518.30	10024.55		