

**GOVERNMENT OF HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**



**STANDARD
SCHEDULE OF RATES
2009**

BUILDING (CIVIL WORKS)

Applicable w.e.f.

CHAPTER – I

Chapter I

LABOUR BASIC RATES

Notes : -

- (1) These rates are exclusive of contractor's profit and overheads and do not take into account one day's paid holiday after six working days. (The rates adopted in rate-analysis are $\frac{7}{6}$ th of these basic rates so as to include the effect on one holiday after every six working days).
- (2) For employment of departmental labour on muster-rolls, the rates given below may be considered as maximum rates upto which an Executive Engineer can authorise employment of labour. If in a certain locality, prevailing conditions necessitate payment of higher rates of wages, the Superintending Engineer shall increase the rates suitably for a specified period, not exceeding 3 months after which the rates should be reviewed again and revised downwards if the conditions so warrant.

CHAPTER -I

BASIC RATES OF LABOUR

CODE NO.	DESCRIPTION	UNIT	RATE (IN RUPEES)		REMARKS.
			Ex. paid holiday	i/c paid holiday	
1	2	3	4	5	6.
101	Bandhani	PER DAY	100	116.67	
102	Bhishti	PER DAY	100	116.67	
103	Black smith 1 st class	PER DAY	160	186.67	
104	Black smith 2 nd class	PER DAY	127	148.16	
105	Buldozer operator	PER DAY	136	158.67	
106	Boat man	PER DAY	100	116.67	
107	Cane man	PER DAY	117	136.50	
108	Chimney cleaner	PER DAY	100	116.67	
109	Cleaner for trucks & Road Roller, Concrete mixer etc.	PER DAY	100	116.67	
110	Chowkidar	PER DAY	100	116.67	
111	Carpenter for furniture only	PER DAY	181	211.16	
112	Carpenter 1 st class	PER DAY	181	211.16	
113	Carpenter 2 nd class	PER DAY	160	186.67	
114	Boy Mazdoor	PER DAY	100	116.67	
115	Coolie	PER DAY	100	116.67	
116	Beldar	PER DAY	100	116.67	
117	Distemper 1 st class	PER DAY	136	158.67	
118	Distemper 2 nd class	PER DAY	110	128.33	
119	Darzi or Tailor 1 st class	PER DAY	127	148.16	

120	Darzi or Tailer 2 nd class	PER DAY	110	128.33	
121	Driver for Road Roller concrete Mixer, Truck etc.	PER DAY	136	158.67	
122	Fitter	PER DAY	127	148.16	
123	Assistant Fitter	PER DAY	110	128.33	
124	Floor Polisher	PER DAY	127	148.16	
125	Glazier	PER DAY	127	148.16	
126	Helper (for plumber in workshop)	PER DAY	100	116.67	
127	Khalasi	PER DAY	100	116.67	
128	Mason 1 st class	PER DAY	181	211.16	
129	Mason 2 nd class	PER DAY	136	158.67	
130	Mason for Terrazo work (G-IV)	PER DAY	160	186.67	
131	Mason for Glazed tile work (G-IV)	PER DAY	160	186.67	
132	Stone dresser for ordinary work	PER DAY	136	158.67	
133	Stone dresser for ornamental work	PER DAY	160	186.67	
134	Mate	PER DAY	100	116.67	
135	Mali	PER DAY	100	116.67	
136	Motar mate	PER DAY	127	148.16	
137	Painter 1 st class	PER DAY	127	148.16	
138	Painter 2 nd class	PER DAY	110	128.33	
139	Patawari	PER DAY	127	148.16	
140	Plumber 1 st class	PER DAY	127	148.16	
141	Plumber 2 nd class	PER DAY	107	128.84	
	ROCK CUTTING LABOUR	PER DAY			
142	Stone breaker	PER DAY	100	116.67	
143	Hole driller	PER	100	116.67	

		DAY			
144	Stone Chiseller	PER DAY	100	116.67	
145	Blaster	PER DAY	127	148.16	
146	Sewer man	PER DAY	100	116.67	
147	Sweeper	PER DAY	100	116.67	
148	Spray Man (for bitumen, tar)	PER DAY	100	116.67	
149	Skilled beldar (for white washing)	PER DAY	100	116.67	
150	Surveyor	PER DAY	160	186.67	
151	Weldar	PER DAY	127	148.16	
152	Well sinker	PER DAY	127	148.16	
	PRESS TRESSING				
153	Operation Engineer	PER DAY	240	280.00	
154	Supervisor	PER DAY	127	148.16	
155	Operator	PER DAY	127	148.16	
156	White washer	PER DAY	110	128.33	
157	Dresser	PER DAY	100	116.67	
158	Mechanic	PER DAY	127	148.16	

CHAPTER – II

MATERIAL FOR BUILDING WORKS

Chapter II

MATERIALS FOR BUILDING WORKS

Notes : -

- (1) All the rates in this chapter are for the materials ex-P.W.D. Store except where specified otherwise.
- (2) These rates are exclusive of carriage, contractor's profit and overheads but include Octroi, Toll-tax, Malkana, Royalty, Sales Tax etc. wherever applicable.
- (3) The rates are for the purpose of analysing the rates of items of work are not for obtaining supplies from open market. Supplies shall be obtained either through Controller of Stores, H.P. or after calling tender or quotations as may be required under rules and order in force.
- (4) The rates shall not be used for issuing materials from Government Stores.

CHAPTER -II

BASIC RATES OF MATERIAL

Code	Description	Unit	Rate
020101010000	Aggregate at quarry site. Crushed stone (one size) 90mm Nominal size	Cum	400.00
020101020000	Aggregate at quarry site. Crushed stone (one size) 75mm Nominal size	Cum	410.00
020101030000	Aggregate at quarry site. Crushed stone (one size) 63mm Nominal size	Cum	420.00
020101040000	Aggregate at quarry site. Crushed stone (one size) 50mm Nominal size	Cum	430.00
020101050000	Aggregate at quarry site. Crushed stone (one size) 40mm Nominal size	Cum	440.00
020101060000	Aggregate at quarry site. Crushed stone (one size) 25mm Nominal size	Cum	450.00
020101070000	Aggregate at quarry site. Crushed stone (one size) 20mm Nominal size	Cum	460.00
020101080000	Aggregate at quarry site. Crushed stone (one size) 12/12.50mm Nominal size	Cum	470.00
020101090000	Aggregate at quarry site. Crushed stone (one size) 10mm Nominal size	Cum	480.00
020101100000	Aggregate at quarry site. Crushed stone (one size) 6mm Nominal size	Cum	490.00
020102010000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 75mm Nominal size	Cum	240.00
020102020000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 63mm Nominal size	Cum	320.00
020102030000	Aggregate at quarry site.	Cum	320.00

	Water borne stone/brick aggregate (one size) 50mm Nominal size		
020102040000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 40mm Nominal size	Cum	330.00
020102050000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 25mm Nominal size	Cum	350.00
020102060000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 20mm Nominal size	Cum	350.00
020102070000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 12/12.5mm Nominal size	Cum	360.00
020102080000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 10mm Nominal size	Cum	360.00
020102090000	Aggregate at quarry site. Water borne stone/brick aggregate (one size) 6mm Nominal size	Cum	375.00
020103010100	Aggregate at quarry site. (crushed) (Graded Stone aggregate for water Bound macadam) 50mm to 20mm size	Cum	440.00
020103010200	Aggregate at quarry site. (crushed) Graded Stone aggregate for (water Bound macadam) 63mm-40mm size	Cum	430.00
020103010300	Aggregate at quarry site. (crushed) Graded Stone aggregate for (water Bound macadam)	Cum	400.00

	90mm-40mm size		
020104010100	Aggregate at quarry site. (crushed) Graded Stone aggregate (for mix seal surfacing) Type-A	Cum	480.00
020104010200	Aggregate at quarry site. (crushed) Graded Stone aggregate (for mix seal surfacing) Type-B	Cum	460.00
020105010101	Aggregate at quarry site. (crushed) Graded Stone aggregate (for bituminous macadam) 5cm thick. Grade-A	Cum	480.00
020105010102	Aggregate at quarry site. (crushed) Graded Stone aggregate (for bituminous macadam) 5cm thick. Grade-B	Cum	500.00
020105010201	Aggregate at quarry site. (crushed) Graded Stone aggregate (for bituminous macadam) 7.5cm thick. Grade-A	Cum	465.00
020105010202	Aggregate at quarry site. (crushed) Graded Stone aggregate (for bituminous macadam) 7.5cm thick. Grade-B	Cum	480.00
020106010100	Aggregate at quarry site. (crushed) Graded Stone aggregate (for built up spray grout) Coarse aggregate.	Cum	480.00
020106010200	Aggregate at quarry site. (crushed) Graded Stone aggregate (for built up spray	Cum	500.00

	grout) Key aggregate.		
020103020100	Aggregate at quarry site. (water born) Graded Stone aggregate (for water bound macadam.) 50mm to 20mm size	Cum	320.00
020103020200	Aggregate at quarry site. (water borne) Graded Stone aggregate (for water bound macadam.) 63mm to 40mm size	Cum	310.00
020103020300	Aggregate at quarry site. (water borne) Graded Stone aggregate (for water bound macadam.) 90mm-40mm size	Cum	300.00
020104020100	Aggregate at quarry site. (water borne) Graded Stone aggregate (for mix seal surfacing) Type-A	Cum	340.00
020104020200	Aggregate at quarry site. (water borne) Graded Stone aggregate (for mix seal surfacing) Type-B	Cum	320.00
020105020101	Aggregate at quarry site. (water borne) Graded Stone aggregate (for bituminous macadam) 5cm. Thick Grade-A	Cum	340.00
020105020102	Aggregate at quarry site. (water borne) Graded Stone aggregate (for bituminous macadam) 5cm. Thick Grade -B	Cum	350.00
020105020201	Aggregate at quarry site. (water borne)	Cum	330.00

	Graded Stone aggregate (for bituminous macadam) 7.5cm. Thick Grade -A		
020105020202	Aggregate at quarry site. (water borne) Graded Stone aggregate (for bituminous macadam) 7.5cm. Thick Grade -B	Cum	340.00
020106020100	Aggregate at quarry site. (water borne) Graded Stone aggregate (for bilt up spray grout) coarse aggregate.	Cum	340.00
020106020200	Aggregate at quarry site. (water borne) Graded Stone aggregate (for built up spray grout) Key aggregate.	Cum	350.00
020103030100	Aggregate Crushable type as moorum or gravel for grading-I	Cum	300.00
020103030200	Aggregate Crushable type as moorum or gravel for grading-II	Cum	300.00
020103030300	Aggregate Crushable type as moorum or gravel for grading-III	Cum	300.00
020103040100	Aggregate for grading-I 90mm to 45mm	cum	400.00
020103040200	Aggregate for grading-I I 63mm to 45mm	cum	430.00
020103040300	Aggregate for grading-III 53mm to 22.4mm	cum	440.00
020103040400	Aggregate for 22.4mm to 2.36mm For wet mix macadam	cum	475.00
020103040500	Aggregate for 45mm to 22.4mm	cum	450.00

	For wet mix macadam		
020104030100	Aggregate for 37.5mm maximum size 22.4mm to 5.6mm	cum	475.00
020104030200	Aggregate for 37.5mm maximum size 45mm to 22.5mm	Cum	450.00
020104030300	Aggregate for 37.5mm maximum size Below 5.6 mm size	Cum	490.00
020104030400	Aggregate for 53mm maximum size 22.5mm to 5.6mm	Cum	475.00
020104030500	Aggregate for 53mm maximum size 63mm to 45mm	Cum	430.00
020104040000	Aggregate for 53mm maximum size Below 5.6mm	Cum	490.00
020104050000	Aggregate for grading-I (40mm size) 10mm to 5mm	Cum	485.00
020104060000	Aggregate for grading-I (40mm size) 25mm to 10mm	Cum	465.00
020104070000	Aggregate for grading-I (40mm size) 37.5mm to 25mm	Cum	445.00
020104080000	Aggregate for grading-I (40mm size) 5mm and below	Cum	490.00
020104090000	Aggregate for grading-II (19mm size) 10mm to 5mm	Cum	485.00
020104100000	Aggregate for grading-II (19mm size) 25mm to 10mm	Cum	465.00
020104110000	Aggregate for grading-II (19mm size) 5mm and below.	cum	490.00
020104120000	Binding material for road	Cum	200.00
020201000000	Asbestos Cements Products A.C. Sheets (Corrugated or semi-corrugated)	Sqm.	300.00

	6m thick.		
020202000000	Asbestos Cements Products Close Fitting Adjustable Ridge 1.1mt. long	Pair	250.00
020203000000	Asbestos Cements Products Unserrated adjustable hips	Pair	220.00
020204000000	Asbestos Cements Products Half round gutters 150mm diameter	Each	290.00
020205000000	Asbestos Cements Products Rain Water pipes 1.0 m long 80mm diameter	Each	100.00
020206000000	Asbestos Cements Products Rain water pipes 1 m long 100mm diameter	Each	120.00
020207000000	Asbestos Cements Products Rain water pipes 1 m long 150mm diameter	Each	170.00
020208000000	Asbestos Cements Products Shoe 75mm diameter	Each	100.00
020209000000	Asbestos Cements Products Shoe 100mm diameter	Each	110.00
020210000000	Asbestos Cements Products Shoe 150mm diameter	Each	140.00
020211000000	Asbestos Cements Products Bend (plain) 75mm diameter	Each	100.00
020212000000	Asbestos Cements Products Bend (plain) 100mm diameter	Each	100.00
020213000000	Asbestos Cements Products Bend (plain) 150mm diameter	Each	160.00
020214000000	Asbestos Cements Products 75mm offset 75mm diameter	Each	110.00
020215000000	Asbestos Cements Products 150mm offset 75mm diameter	Each	140.00
020216000000	Asbestos Cements Products	Each	150.00

	75mm offset 100mm diameter		
020217000000	Asbestos Cements Products 150mm offset 100mm diameter	Each	160.00
020218000000	Asbestos Cements Products 75mm offset 150mm diameter	Each	170.00
020219000000	Asbestos Cements Products 150mm offset 150mm diameter	Each	200.00
020220010000	Asbestos Cements Products A.C. Building Board: 4mm thick.	Sqm.	140.00
020220020000	Asbestos Cements Products A.C. Building Board: 5mm thick.	Sqm.	150.00
020220030000	Asbestos Cements Products A.C. Building Board: 6mm thick.	Sqm.	215.00
020301010000	Miscellaneous A.C. Products: Plain ended valley gutters: 900x200x225mm nominal size	Each	1600.00
020301020000	Miscellaneous A.C. Products: Plain ended valley gutters: 600x150x225mm nominal size	Each	1200.00
020301030000	Miscellaneous A.C. Products: Plain ended valley gutters: 400x125x250mm nominal size	Each	1000.00
020301040000	Miscellaneous A.C. Products: Plain ended valley gutters: 450x125x150mm nominal size	Each	900.00
020302010000	Miscellaneous A.C. Products: Plain ended eaves gutters:	Each	1250.00

	450x150x300mm nominal size		
020302020000	Miscellaneous A.C. Products: Plain ended eaves gutters: 300x150x250mm nominal size	Each	850.00
020302030000	Miscellaneous A.C. Products: Plain ended eaves gutters: 300x150x225mm nominal size	Each	700.00
020302040000	Miscellaneous A.C. Products: Plain ended eaves gutters: 275x125x175mm nominal size	Each	600.00
020303010000	Miscellaneous A.C. Products: Socketed half round eaves gutters: 225mm nominal size	Each	450.00
020303020000	Miscellaneous A.C. Products: Socketed half round eaves gutters: 300mm nominal size	Each	850.00
020304010000	Miscellaneous A.C. Products: Angle for socketed half round eaves gutter. 150mm nominal size	Each	120.00
020304020000	Miscellaneous A.C. Products: Angle for socketed half round eaves gutter. 250mm nominal size	Each	170.00
020304030000	Miscellaneous A.C. Products: Angle for socketed half round eaves gutter. 300mm nominal size	Each	300.00
020305010000	Miscellaneous A.C. Products: Angle for plain ended eaves or boundary wall gutt. 275x125x175mm nominal size	Each	180.00
020305020000	Miscellaneous A.C. Products: Angle for plain ended eaves or boundary	Each	300.00

	wall gutt. 300x150x225mm nominal size		
020305030000	Miscellaneous A.C. Products: Angle for plain ended eaves or boundary wall gutt. 450x150x300mm nominal size	Each	500.00
020305040000	Miscellaneous A.C. Products: Angle for plain ended eaves or boundary wall gutt. 500x150x250mm nominal size	Each	550.00
020306010000	Miscellaneous A.C. Products: Nozzle for socketed half round eaves gutter. 150mm nominal size	Each	100.00
020306020000	Miscellaneous A.C. Products: Nozzle for socketed half round eaves gutter. 250mm nominal size	Each	140.00
020306030000	Miscellaneous A.C. Products: Nozzle for socketed half round eaves gutter. 300mm nominal size	Each	190.00
020307010000	Miscellaneous A.C. Products: Nozzle for for plain ended eaves on boundary wall gutter. 275x125x175mm nominal size	Each	130.00
020307020000	Miscellaneous A.C. Products: Nozzle for for plain ended eaves on boundary wall gutter. 300x150x225mm nominal size	Each	240.00
020307030000	Miscellaneous A.C. Products: Nozzle for for plain ended eaves on boundary wall gutter. 450x150x300mm nominal size	Each	250.00

020307040000	Miscellaneous A.C. Products: Nozzle for for plain ended eaves on boundary wall gutter. 500x150x250mm nominal size	Each	280.00
020308010000	Miscellaneous A.C. Products: Nozzle for for plain ended valley gutters: 450x125x150mm nominal size	Each	220.00
020308020000	Miscellaneous A.C. Products: Nozzle for for plain ended valley gutters: 600x150x225mm nominal size	Each	270.00
020308030000	Miscellaneous A.C. Products: Nozzle for plain ended valley gutters: 900x200x225mm nominal size	Each	340.00
020309010000	Miscellaneous A.C. Products: Drop end for plain ended/boundry wall gutters. 275x125x175mm nominal size with 75/100/150mm dia outlet	Each	160.00
020309020000	Miscellaneous A.C. Products: Drop end for plain ended/boundry wall gutters. 275x125x175mm nominal size 75/100/150mm dia outlet.	Each	300.00
020309030000	Miscellaneous A.C. Products: Drop end for plain ended/boundary wall gutters. 450x150x300mm nominal size 75/100/150mm dia outlet.	Each	320.00
020309040000	Miscellaneous A.C. Products: Drop end for plain ended/boundry wall gutters.	Each	340.00

	500x150x250mm nominal size 75/100/150mm dia outlet.		
0203010010000	Miscellaneous A.C. Products: Drop end for plain ended valley gutters. 400x125x150mm nominal size 75/100/150mm dia outlet.	Each	225.00
0203010020000	Miscellaneous A.C. Products: Drop end for plain ended valley gutters. 450x125x150mm nominal size 75/100/150mm dia outlet.	Each	275.00
0203010030000	Miscellaneous A.C. Products: Drop end for plain ended valley gutters. 600x150x225mm nominal size 75/100/150mm dia outlet.	Each	360.00
0203010040000	Miscellaneous A.C. Products: Drop end for plain ended valley gutters. 900x200x225mm nominal size 75/100/150mm dia outlet.	Each	370.00
020311010000	Miscellaneous A.C. Products: Stop end for plain ended/boundary wall eaves gutter. 275x125x175mm nominal size	Each	90.00
020311020000	Miscellaneous A.C. Products: Stop end for plain ended/boundary wall eaves gutter. 300x150x225mm nominal size	Each	120.00
020311030000	Miscellaneous A.C. Products: Stop end for plain ended/boundary wall eaves gutter. 450x150x300mm nominal size	Each	140.00
020311040000	Miscellaneous A.C. Products:	Each	150.00

	Stop end for plain ended/boundary wall eaves gutter. 500x150x250mm nominal size		
020312010000	Miscellaneous A.C. Products: Stop end for plain ended valley gutters. 400x150x250mm nominal size	Each	250.00
020312020000	Miscellaneous A.C. Products: Stop end for plain ended valley gutters. 450x125x150mm nominal size	Each	120.00
020312030000	Miscellaneous A.C. Products: Stop end for plain ended valley gutters. 600x150x225mm nominal size	Each	140.00
020312040000	Miscellaneous A.C. Products: Stop end for plain ended valley gutters. 900x200x225mm nominal size	Each	215.00
020313010000	Miscellaneous A.C. Products: Off sets (Plain): 80mm diameter 450 mm projection	Each	175.00
020313020000	Miscellaneous A.C. Products: Off sets (Plain): 100mm diameter 450 mm projection	Each	210.00
020313030000	Miscellaneous A.C. Products: Off sets (Plain): 100mm diameter 650 mm projection	Each	300.00
020314010000	Miscellaneous A.C. Products: Hexagonal rain water head: 250x200x80mm diameter or 100mm diameter	Each	100.00
020314020000	Miscellaneous A.C. Products: Hexagonal rain water head: 300x250x80mm diameter or 100mm	Each	120.00

	diameter		
020314030000	Miscellaneous A.C. Products: Hexagonal rain water head: 400x300x100mm diameter or 100mm diameter	Each	150.00
020315010000	Miscellaneous A.C. Products: Pentagonal rain water head: 230x200x80 or 100mm diameter or 100mm diameter	Each	90.00
020316010000	Miscellaneous A.C. Products: A.C. Drop end for:- 150mm nominal size with 75/100/150mm dia. Drain outlet.	Each	90.00
020316020000	Miscellaneous A.C. Products: A.C. Drop end for:- 250mm nominal size with 75/100/150mm dia. Drain outlet.	Each	125.00
020316030000	Miscellaneous A.C. Products: A.C. Drop end for:- 300mm nominal size with 75/100/150mm dia. Drain outlet.	Each	140.00
020317010000	Miscellaneous A.C. Products: A.C. Stop end for socketed half round eaves gutter:- 150mm nominal size	Each	35.00
020317020000	Miscellaneous A.C. Products: A.C. Stop end for socketed half round eaves gutter:-	Each	40.00

	250mm nominal size		
020317030000	Miscellaneous A.C. Products: A.C. Stop end for socketed half round eaves gutter:- 300mm nominal size	Each	70.00
020318000000	Miscellaneous A.C. Products: North light adjustable ridge.	Each /Pair	270.00
020319000000	Miscellaneous A.C. Products: Apron flashing piece 1.12 mtr. Length.	Each	200.00
020320000000	Miscellaneous A.C. Products: Eves filler piece.	Each	140.00
020321000000	Miscellaneous A.C. Products: North light and ventilator curve.	Each	300.00
020322000000	Miscellaneous A.C. Products: Barge Board 2.44 meters.	Each	445.00
020323000000	Miscellaneous A.C. Products: Barge Board 1.83 meters.	Each	350.00
020324000000	Miscellaneous A.C. Products: Expansion joint for sheet.	Each	380.00
020325000000	Miscellaneous A.C. Products: Ridge fineal	Pair /pair	120.00
020326000000	Miscellaneous A.C. Products: Cowltype ventilator	Each	270.00
020327000000	Miscellaneous A.C. Products: Curved barge board for north light curves.	Each	200.00
020328000000	Miscellaneous A.C. Products: Roof light	Each	1400.00
020329000000	Miscellaneous A.C. Products: Expansion joint for North light curves.	Each	150.00
020330000000	Miscellaneous A.C. Products:	Each	190.00

	'S' Type louver		
020331000000	Miscellaneous A.C. Products: Expansion joint for ridge.	Pair	250.00
020332000000	Miscellaneous A.C. Products: Asbestos rope 6.35mm diameter	Meter	15.00
020333000000	Miscellaneous A.C. Products: Asbestos rope 6.50mm diameter.	Meter	20.00
020401000000	Ballies: Deodar (125-210mm) diameter.	R.M.	230.00
020402000000	Ballies: Sal/Kail (125-210mm) diameter.	R.M.	150.00
020403000000	Ballies: Fir/chill (125-210mm) diameter.	R.M.	90.00
020404000000	Ballies: Local wood 50mm diameter for bracing.	R.M.	100.00
020404010000	Bamboo 1 st class 150-200mm diameter 6.0 mt. Long	Each	150.00
020404020000	Bamboo 2 nd class 85-100mm diameter 5.5 mt. Long	Each	115.00
020404030000	Bamboo 1 st class 85-100mm diameter 2.0 mt. Long	Each	55.00
020404040000	Bamboo 1 st class 85-100mm diameter 2.5 mt. Long	Each	65.00
020404050000	Bamboo 1 st class 85-100mm diameter 3.0 mt. Long	Each	80.00
020404060000	Bamboo 1 st class 85-100mm diameter 4.5 to 5.5 mt. Long	Each	140.00
020404070000	Bamboo 2 nd class 75mm diameter 1.8 to 2.5 mt. Long	Each	50.00
020404080000	Bamboo 2 nd class	Each	70.00

	75mm diameter 2.0 to 3.0 mt. Long		
020404090000	Wooden ballies 210mm diameter and 9.0 mt. Long	Each	1800.00
020501010000	Bitumen crumb rubber modified	Tonne	46850.00
020501020000	Bitumen natural rubber modified	Tonne	46900.00
020501030000	Bitumen polymers modified	Tonne	47000.00
020501040000	Bitumen S-65	Tonne	44875.00
020501050000	Bitumen S-90	Tonne	43940.00
020501060000	Bitumen Emulsion (RS-1)	Tonne	32915.00
020501070000	Bitumen Emulsion (SS-1)	Tonne	31990.00
020501080000	Bitumen sealent	Litre	175.00
020501090000	Blasted rubble	Cum.	250.00
020501100000	Bitumen felt Type-3 grade-I	Sqm.	80.00
020501110000	Bitumen solution primer/hot sealing compound (Type-A)	Kg.	85.00
020601000000	Brushes Hard wire brushes (14 gange) Size 200x63x40mm wires raised and fixed in wooden case complete	Each	75.00
020602000000	Brushes Hard wire brushes (14 gange) Size 200x63x40mm wires raised and fixed in wooden case complete	Each	60.00
020603000000	Painting Brushes for superior quality	Per cm. Width	25.00
020604000000	Painting Brushes for superior quality Katool brushes Size 250x63x75mm coir raised and fixed in wooden case.	Each	35.00
020605000000	Painting Brushes for superior quality	Each	40.00

	Soft brushes (size 225x63mm) with 63mm raised hair fixed in wooden case complete in all respects.		
020701010000	Boards: Standard quality hard board sheets: 3mm thick	Sqm.	140.00
020701020000	Boards: Standard quality hard board sheets: 4.5mm thick	Sqm.	220.00
020701030000	Boards: Standard quality hard board sheets: 6mm thick	Sqm.	300.00
020701040000	Boards: Standard quality hard board sheets: 9mm thick	Sqm.	320.00
020702010000	Boards: Insulation board-Natural colour. 9mm thick	Sqm.	330.00
020702020000	Boards: Insulation board-Natural colour. 12mm thick	Sqm.	350.00
020702030000	Boards: Insulation board-Natural colour. 18mm thick	Sqm.	420.00
020702040000	Boards: Insulation board-Natural colour. 25mm thick	Sqm.	620.00
020703010000	Boards: Partical Board. 12mm thick	Sqm.	330.00
020703020000	Boards:	Sqm.	400.00

	Partical Board. 19mm thick		
020703030000	Boards: Partical Board. 25mm thick	Sqm.	500.00
020801000000	Bricks (F.P.S. or Modular): 1 st class	1000 Nos.	3000.00
020802000000	Bricks (F.P.S. or Modular): 2 nd class	1000 Nos.	2800.00
020803000000	Bricks machine made 1 st class	1000 Nos	3500.00
020804000000	Bricks machine made 2 nd class	1000 Nos.	3200.00
020901000000	Cement: Portland cement	Tonne	4900.00
020902000000	Cement: Pozzolanna cement	Tonne	4900.00
020903000000	Cement: White cement	Tonne	18000.00
021001000000	Expanded metal: 20mmx60mmx2.50mmx1.25mm(2.447kg/sq m)	Sqm.	150.00
021002000000	Expanded metal: 40mmx75mmx5mmx3.15mm(6.172kg/sqm)	Sqm.	300.00
021003000000	Expanded metal: 40mmx75mmx3.25mmx3.15mm(4.007kg/sq m)	Sqm.	250.00
021101000000	Explosives: Special Gelatine (80%)	Kg.	75.00
021102000000	Explosives:	Kg.	60.00

	Special Gelatine (60%)		
021103000000	Explosives: Detonators (Ordinary)	100 Nos.	300.00
021104000000	Explosives: Detonators (Electric instantaneous lead 2 metres)	100 Nos.	700.00
021105000000	Explosives: Safety Fuse Wire (Coil 10 metre length)	Coil	30.00
021201010100	Fittings: Aluminium fitting (Anodized): Sliding Door bolts:300mm x 16mm.	Each	120.00
021201010200	Fittings: Aluminium fitting (Anodized): Sliding Door bolts:250mm x 16mm.	Each	110.00
021201020100	Fittings: Aluminium fitting (Anodized): Tower Bolts:300mm x 10mm.	Each	60.00
021201020200	Fittings: Aluminium fitting (Anodized): Tower Bolts:250mm x 10mm.	Each	50.00
021201020300	Fittings: Aluminium fitting (Anodized): Tower Bolts:200mm x 10mm.	Each	40.00
021201020400	Fittings: Aluminium fitting (Anodized): Tower Bolts:150mm x 10mm.	Each	35.00
021201020500	Fittings: Aluminium fitting (Anodized): Tower Bolts :100mm x 10mm.	Each	25.00
021201030100	Fittings:	Each	25.00

	Aluminium fitting (Anodized): Handles : 125mm size		
021201030200	Fittings: Aluminium fitting (Anodized): Handles : 100mm size	Each	20.00
021201030300	Fittings: Aluminium fitting (Anodized): Handles : 75mm size	Each	18.00
021201040000	Fittings: Aluminium fitting (Anodized): Fanlight catch	Each	25.00
021201050000	Fittings: Aluminium fitting (Anodized): Fanlight pivot	Each	15.00
021201060000	Fittings: Aluminium fitting (Anodized): Chain for fan light catch 30cm long	Each	25.00
021201070100	Fittings: Aluminium fitting (Anodized): Screws: 50mm	Cent.	60.00
021201070200	Fittings: Aluminium fitting (Anodized): Screws: 40mm	Cent.	40.00
021201070300	Fittings: Aluminium fitting (Anodized): Screws: 30mm	Cent.	35.00
021201070400	Fittings: Aluminium fitting (Anodized): Screws: 25mm	Cent.	25.00
021201070500	Fittings: Aluminium fitting (Anodized):	Cent.	25.00

	Screws: 20mm		
021202010100	Fittings: Brass fittings: Sliding door bolts with nuts/screw:300mmx16mm	Each	500.00
021202010200	Fittings: Brass fittings: Sliding door bolts with nuts/screw:250mmx16mm	Each	400.00
021202020100	Fittings: Brass fittings: Tower bolts (Barrel Type):250mmx10mm	Each	200.00
021202020200	Fittings: Brass fittings: Tower bolts (Barrel Type):200mmx10mm	Each	190.00
021202020300	Fittings: Brass fittings: Tower bolts (Barrel Type):150mmx10mm	Each	140.00
021202020400	Fittings: Brass fittings: Tower bolts (Barrel Type):100mmx10mm	Each	95.00
021202030100	Fittings: Brass fittings: Flush bolts:250mm	Each	175.00
021202030200	Fittings: Brass fittings: Flush bolts:150mm	Each	110.00
021202030300	Fittings: Brass fittings: Flush bolts:100mm	Each	90.00
021202040100	Fittings:	Each	130.00

	Brass fittings: Handles :125mm		
021202040200	Fittings: Brass fittings: Handles :100mm	Each	100.00
021202040300	Fittings: Brass fittings: Handles :75mm	Each	75.00
021202050000	Fittings: Brass fittings: Furniture handles	Each	30.00
021202060100	Fittings: Brass fittings: Door latch:300mmx16mmx5mm	Each	115.00
021202060200	Fittings: Brass fittings: Door latch:250mmx16mmx5mm	Each	110.00
021202070000	Fittings: Brass fittings: 100mm mortice latch and lock	Each	540.00
021202080000	Fittings: Brass fittings: 100mm mortice latch (indian make)	Each	500.00
021202090000	Fittings: Brass fittings: 100mm rim latch and lock	Each	520.00
021202100000	Fittings: Brass fittings: 100mm rim latch.	Each	350.00
021202110000	Fittings: Brass fittings:	Each	30.00

	50mm cup board or wardrobe knob		
021202120000	Fittings: Brass fittings: 150mm floor door stoper	Each	150.00
021202130100	Fittings: Brass fittings: Hard drawn hooks and eyes:300mm	10 Nos.	420.00
021202130200	Fittings: Brass fittings: Hard drawn hooks and eyes:250mm	10 Nos.	400.00
021202130300	Fittings: Brass fittings: Hard drawn hooks and eyes:200mm	10 Nos.	380.00
021202130400	Fittings: Brass fittings: Hard drawn hooks and eyes:150mm	10 Nos.	350.00
021202130500	Fittings: Brass fittings: Hard drawn hooks and eyes:100mm	10 Nos.	300.00
021202140000	Fittings: Brass fittings: Casement window fastner	Each	40.00
021202150100	Fittings: Brass fittings: Casement stay: (Straight peg type): 300mm weight not less than 0.33 kg.	Each	100.00
021202150200	Fittings: Brass fittings: Casement stays 250mm weight not less than 0.28 kg.	Each	80.00
021202150300	Fittings:	Each	70.00

	Brass fittings: Casement stays 250mm weight not less than 0.24 kg.		
021202160000	Fittings: Brass fittings: Quadrant stays 300mm	Each	80.00
021202170000	Fittings: Brass fittings: Fan light catch	Ten	170.00
021202180000	Fittings: Brass fittings: Fan light pivot	Ten	200.00
021202190000	Fittings: Brass fittings: Ball catcher 10mm diameter	Each	10.00
021202200000	Fittings: Brass fittings: 300mm long chain with hook for fan light	Each	25.00
021202210100	Fittings: Brass fittings: Hasp and staples (safety type):150mm	Ten	750.00
021202210200	Fittings: Brass fittings: Hasp and staples (safety type):115mm	Ten	450.00
021202210300	Fittings: Brass fittings: Hasp and staples (safety type):90mm	Ten	400.00
021202220000	Fittings: Brass fittings: 65mmx35mm cup board lock six levers (Indian make)	Each	95.00

021202230000	Fittings: Brass fittings: Finger plate 30cm long 65mmx 1.65mm	Each	90.00
021202240000	Fittings: Brass fittings: Kicking plate 50cm long 100mmx3.15mm	Each	300.00
021202250100	Fittings: Brass fittings: Serews:50mm	Cent	200.00
021202250200	Fittings: Brass fittings: Serews:40mm	Cent	160.00
021202250300	Fittings: Brass fittings: Serews:30mm	Cent.	130.00
021202250400	Fittings: Brass fittings: Serews:25mm	Cent.	90.00
021202250500	Fittings: Brass fittings: Serews:20mm	Cent.	75.00
021202260000	Fittings: Brass fittings: Brass curtain rail with roller stop ends/bracket	Meter.	105.00
021203010000	Fittings: C.P. Brass fittings: C.P. brass bracket.	Each	85.00
021203020000	Fittings: C.P. Brass fittings: 100mm mortice latch and lock 6 levers	Each	500.00

	(Indian make)		
021203030000	Fittings: C.P. Brass fittings: 100mm rim latch and lock (Indian make)	Each	450.00
021203040000	Fittings: C.P. Brass fittings: 100mm rim latch 6 levers (Indian make)	Each	400.00
021203050000	Fittings: C.P. Brass fittings: Cup board locks (six levers) 65mm x 35mm	Each	100.00
021203060000	Fittings: C.P. Brass fittings: Wardrobe knob	Each	30.00
021203070000	Fitting : C.P. brass fittings CP brass sliding door bolt with nuts & screws 300x16mm.	Each	550.00
021203080000	C.P. brass sliding door bolt with nuts & screws 250x16mm	Each	440.00
021204010100	Fittings: Copper oxidized fittings (iron): Butt hinges: 125x65x2.12mm	Each	15.00
021204010200	Fittings: Copper oxidised fittings (iron): Butt hinges: 100x58x1.90mm	Each	12.00
021204010300	Fittings: Copper oxidised fittings (iron): Butt hinges: 75x47x1.70mm	Each	10.00
021204010400	Fittings: Copper oxidised fittings (iron): Butt hinges: 50x37x1.50mm	Each	5.00

021204020100	Fittings: Copper oxidised fittings (iron): Parliamentary hinges:150x125x27x2.8mm	Each	40.00
021204020200	Fittings: Copper oxidised fittings (iron): Parliamentary hinges:125x125x27x2.8mm	Each	30.00
021204020300	Fittings: Copper oxidised fittings (iron): Parliamentary hinges:100x125x27x2.8mm	Each	25.00
021204020400	Fittings: Copper oxidised fittings (iron): Parliamentary hinges:75x100x20x2.24mm	Each	20.00
021204030100	Fittings: Copper oxidised fittings (iron): Single acting spring hinges: 150mm	Each	85.00
021204030200	Fittings: Copper oxidised fittings (iron): Single acting spring hinges: 125mm	Each	80.00
021204030300	Fittings: Copper oxidised fittings (iron): Single acting spring hinges: 100mm	Each	60.00
021204040100	Fittings: Copper oxidised fittings (iron): Double acting spring hinges:150mm	Each	180.00
021204040200	Fittings: Copper oxidised fittings (iron): Double acting spring hinges:125mm	Each	150.00
021204040300	Fittings: Copper oxidised fittings (iron): Double acting spring hinges:100mm	Each	110.00
021204050100	Fittings:	Each	25.00

	Copper oxidised fittings (iron): Tee hinges:300x115x2.24mm		
021204050200	Fittings: Copper oxidised fittings (iron): Tee hinges:250x100x2.24mm	Each	20.00
021204060100	Fittings: Copper oxidised fittings (iron): Sliding door bolts:300x16mm	Each	40.00
021204060200	Fittings: Copper oxidised fittings (iron): Sliding door bolts:250x16mm	Each	35.00
021204070100	Fittings: Copper oxidised fittings (iron): Door latch:300x20x6mm	Each	35.00
021204070200	Fittings: Copper oxidised fittings (iron): Door latch:250x20x6mm	Each	30.00
021204080100	Fittings: Copper oxidised fittings (iron): Tower bolts (barrel type):250x10mm	Each	30.00
021204080200	Fittings: Copper oxidised fittings (iron): Tower bolts (barrel type):200x10mm	Each	25.00
021204080300	Fittings: Copper oxidised fittings (iron): Tower bolts (barrel type):150x10mm	Each	20.00
021204080400	Fittings: Copper oxidised fittings (iron): Tower bolts (barrel type):100x10mm	Each	15.00
021204090100	Fittings: Copper oxidised fittings (iron):	Each	10.00

	Handles:125mm		
021204090200	Fittings: Copper oxidised fittings (iron): Handles:100mm	Each	10.00
021204090300	Fittings: Copper oxidised fittings (iron): Handles:75mm	Each	8.00
021204100100	Fittings: Copper oxidised fittings (iron): Hooks and eyes:300mm	Each	15.00
021204100200	Fittings: Copper oxidised fittings (iron): Hooks and eyes:250mm	Each	12.00
021204100300	Fittings: Copper oxidised fittings (iron): Hooks and eyes:200mm	Each	10.00
021204100400	Fittings: Copper oxidised fittings (iron): Hooks and eyes:150mm	Each	8.00
021204100500	Fittings: Copper oxidised fittings (iron): Hooks and eyes:100mm	Each	7.00
021204110000	Fittings: Copper oxidised fittings (iron): Fan light catch	Each	8.00
021204120000	Fittings: Copper oxidised fittings (iron): Fan light pivot	Each	10.00
021204130000	Fittings: Copper oxidised fittings (iron): Chain with hook for fan light catch 300mm	Each	10.00

	long		
021204140100	Fittings: Copper oxidised fittings (iron): Hasps and staples (safety type):150mm	Each	10.00
021204140200	Fittings: Copper oxidised fittings (iron): Hasps and staples (safety type):115mm	Each	10.00
021204140300	Fittings: Copper oxidised fittings (iron): Hasps and staples (safety type):90mm	Each	8.00
021204150100	Fittings: Copper oxidised fittings (iron): Screws:50mm	Cent	40.00
021204150200	Fittings: Copper oxidised fittings (iron): Screws:45mm	Cent	35.00
021204150300	Fittings: Copper oxidised fittings (iron): Screws:40mm	Cent	30.00
021204150400	Fittings: Copper oxidised fittings (iron): Screws:30mm	Cent	25.00
021204150500	Fittings: Copper oxidised fittings (iron): Screws:25mm	Cent	25.00
021204150600	Fittings: Copper oxidised fittings (iron): Screws:20mm	Cent	20.00
021205010100	Fittings: Iron fittings: M.S. Butt hinges :125x65x2.12mm	Ten	120.00

021205010200	Fittings: Iron fittings: M.S. Butt hinges :100x58x1.90mm	Ten	85.00
021205010300	Fittings: Iron fittings: M.S. Butt hinges :75x47x1.70mm	Ten	70.00
021205010400	Fittings: Iron fittings: M.S. Butt hinges :50x37x1.50mm	Ten	35.00
021205020100	Fittings: Iron fittings: M.S. Parliamentary hinges: 150x125x27x2.80mm	Ten	425.00
021205020200	Fittings: Iron fittings: M.S. Parliamentary hinges: 125x125x27x2.80mm	Ten	400.00
021205020300	Fittings: Iron fittings: M.S. Parliamentary hinges: 100x125x27x2.80mm	Ten	300.00
021205020400	Fittings: Iron fittings: M.S. Parliamentary hinges: 75x100x20x2.24mm	Ten	220.00
021205030100	Fittings: Iron fittings: M.S. Single acting spring hinges:150mm	Each	85.00
021205030200	Fittings: Iron fittings: Single acting spring hinges:125mm	Each	80.00

021205030300	Fittings: Iron fittings: Single acting spring hinges:100mm	Each	60.00
021205040100	Fittings: Iron fittings: Double acting spring hinges: 150mm	Pair	180.00
021205040200	Fittings: Iron fittings: Double acting spring hinges: 125mm	Pair	150.00
021205040300	Fittings: Iron fittings: Double acting spring hinges:100mm	Pair	110.00
021205050100	Fittings: Iron fittings: Piano hinges:1mm thick 35mm wide finished with nickle platings (1.80mt. longs)	Metre	50.00
021205050200	Fittings: Iron fittings: Piano hinges:1mm thick 35mm wide finished with brass platings (1.80mt. longs)	Metre	50.00
021205060100	Fittings: Iron fittings: Tee hinges bright finished:or black enamelled 300x115x2.24mm	Ten	200.00
021205060200	Fittings: Iron fittings: Tee hinges bright finished:or black enamelled 250x100x2.24mm	Ten	170.00
021205070100	Fittings: Iron fittings:	Ten	400.00

	Sliding door bolts bright finished:or black enamelled : 300x16mm		
021205070200	Fittings: Iron fittings: Sliding door bolts bright finished:or black enamelled : 250x16mm	Ten	350.00
021205080100	Fittings: Iron fittings: Door latch: 300x20x6mm	Ten	350.00
021205080200	Fittings: Iron fittings: Door latch: 250x10x6mm	Ten	300.00
021205090100	Fittings: Iron fittings: Tower bolt: 250x10mm	Each	28.00
021205090200	Fittings: Iron fittings: Tower bolt: 200x10mm	Each	25.00
021205090300	Fittings: Iron fittings: Tower bolt: 150x10mm	Each	20.00
021205090400	Fittings: Iron fittings: Tower bolt: 100x10mm	Each	14.00
021205100100	Fittings: Iron fittings: Handles:125mm	Each	10.00
021205100200	Fittings: Iron fittings: Handles:100mm	Each	8.00
021205100300	Fittings:	Each	7.00

	Iron fittings: Handles:75mm		
021205110100	Fittings: Iron fittings: Hooks and eyes:300mm	Each	15.00
021205110200	Fittings: Iron fittings: Hooks and eyes:250mm	Each	12.00
021205110300	Fittings: Iron fittings: Hooks and eyes:200mm	Each	10.00
021205110400	Fittings: Iron fittings: Hooks and eyes:150mm	Each	8.00
021205110500	Fittings: Iron fittings: Hooks and eyes:100mm	Each	7.00
021205120000	Fittings: Iron fittings: Fan light catch	Each	8.00
021205130000	Fittings: Iron fittings: Fan light pivot:	10 Nos	95.00
021205140000	Fittings: Iron fittings: Chain with hooks for fan light catch 300mm long	Each	10.00
021205150100	Fittings: Iron fittings: Hasps and staples (safety type):150mm	Each	10.00
021205150200	Fittings:	Each	8.00

	Iron fittings: Hasps and staples (safety type):115mm		
021205150300	Fittings: Iron fittings: Hasps and staples (safety type):90mm	Each	6.00
021205160000	Fittings: Iron fittings: Helical door spring 150mm	Each	50.00
021205170000	Fittings: Iron fittings: Pull bolt lock	Each	45.00
021205180100	Fittings: Iron fittings: Screws:50mm	Cent	40.00
021205180200	Fittings: Iron fittings: Screws:45mm	Cent	35.00
021205180300	Fittings: Iron fittings: Screws:40mm	Cent	30.00
021205180400	Fittings: Iron fittings: Screws:30mm	Cent	25.00
021205180500	Fittings: Iron fittings: Screws:25mm	Cent	25.00
021205180600	Fittings: Iron fittings: Screws:20mm	Cent	20.00
021205190000	Fittings: Iron fittings:	Each	2.00

	Bolts and nuts 50x6mm		
021301010000	Flush doors: Decorative teak veneer on both faces: 40mm thick	Sqm.	1800.00
021301020000	Flush doors: Decorative teak veneer on both faces: 35mm thick	Sqm.	1650.00
021301030000	Flush doors: Decorative teak veneer on both faces: 30mm thick	Sqm.	1500.00
021301040000	Flush doors: Decorative teak veneer on both faces: 25mm thick	Sqm.	1400.00
021301050000	Flush doors: Decorative teak veneer on both faces: 20mm thick	Sqm.	1150.00
021302010000	Flush doors: Commercial vaneer on one face & decorative on another 40mm thick	Sqm.	1450.00
021302020000	Flush doors: Commercial vaneer on one face & decorative on another 35mm thick	Sqm.	1370.00
021302030000	Flush doors: Commercial vaneer on one face & decorative on another 30mm thick	Sqm.	1260.00
021302040000	Flush doors: Commercial vaneer on one face & decorative on another	Sqm.	1075.00

	25mm thick		
021302050000	Flush doors: Commercial vaneer on one face & decorative on another 20mm thick	Sqm.	1050.00
021303010000	Flush doors: Commercial ply on both faces: 40mm thick	Sqm.	1160.00
021303020000	Flush doors: Commercial ply on both faces: 35mm thick	Sqm.	1050.00
021303030000	Flush doors: Commercial ply on both faces: 30mm thick	Sqm.	1000.00
021303040000	Flush doors: Commercial ply on both faces: 25mm thick	Sqm.	925.00
021303050000	Flush doors: Commercial ply on both faces: 20mm thick	Sqm.	1020.00
021401010000	Ply wood: Commercial: 3mm thick	Sqm.	130.00
021401020000	Ply wood: Commercial: 4mm thick	Sqm.	160.00
021401030000	Ply wood: Commercial: 6mm thick	Sqm.	250.00
021402010000	Ply wood: One side decorative and other side	Sqm.	220.00

	commercial Plywood 4mm thick		
021501010000	Glass panes of sizes: Plain glass: 2mm thick	Sqm.	160.00
021501020000	Glass panes of sizes: Plain glass: 2.50mm thick	Sqm.	250.00
021501030000	Glass panes of sizes: Plain glass: 3mm thick	Sqm.	270.00
021501040000	Glass panes of sizes: Plain glass: 4mm thick	Sqm.	300.00
021502010000	Glass panes of sizes: Frosted glass: 2mm thick	Sqm.	240.00
021502020000	Glass panes of sizes: Frosted glass: 2.50mm thick	Sqm.	250.00
021502030000	Glass panes of sizes: Frosted glass: 3mm thick	Sqm.	300.00
021502040000	Glass panes of sizes: Frosted glass: 4mm thick	Sqm.	350.00
021503010000	Glass panes of sizes: Pin head glass: 3mm thick	Sqm.	160.00
021504010000	Glass panes of sizes: Wire glass:	Sqm.	575.00

	6mm thick		
021505010000	Glass panes of sizes: Plate glass: 5.5mm thick	Sqm.	400.00
021601000000	Glue	Kg.	60.00
021701000000	Hiramchi	Kg.	30.00
021801000000	Kota stone slabs: 25mm thick	Sqm.	310.00
021802000000	Kota stone slabs: 30mm thick	Sqm.	335.00
021803000000	Kota stone slabs: 40mm thick	Sqm.	400.00
021901000000	Lime: Unslaked	Qtl.	500.00
021902000000	Lime: slaked	Qtl.	600.00
021903000000	Lime putty	Qtl.	1250.00
022001000000	Marble chips 4.75mm and down gauge: White and black	Qtl.	200.00
022002000000	Marble chips 4.75mm and down gauge: Chocolate grey or yellow	Qtl.	250.00
022003000000	Marble chips 4.75mm and down gauge: Green	Qtl.	250.00
022004000000	Marble powder.	Cum	1500.00
022005000000	Stone dust	Cum	700.00
022101000000	Marble flooring materials and fixtures: White makrana marble	10cu.dm	750.00
022102000000	Marble flooring materials and fixtures: Pink makrana marble	10cu.dm	500.00
022103000000	Marble flooring materials and fixtures:	10cu.dm	425.00

	Jaisalamer yellow marble		
022104000000	Marble flooring materials and fixtures: Baroda green marble	10cu.dm	600.00
022105000000	Marble flooring materials and fixtures: Chitor black marble	10cu.dm	300.00
022106000000	Marble flooring materials and fixtures: Bhanslana black marble	10cu.dm	250.00
022107000000	Marble flooring materials and fixtures Gun metal cramp 25x6mm 30cm long	Each	45.00
022108000000	Marble flooring materials and fixtures: Gun metal cramp 15x6mm 30cm long	Each	25.00
022109000000	Marble flooring materials and fixtures: Copper pin 7.5cm. long 6mm dia	Each	25.00
022201000000	Stone blocks: Red sand stone	10cu.dm	120.00
022202000000	Stone blocks: White sand stone	10cu.dm	140.00
022301010000	Pants, distempers, oils and primer etc: Distemper: Dry distemper	Kg.	35.00
022301020000	Paints, distempers, oils, and primers etc. Distempers: Oilbound washable distemper	Kg.	45.00
022302010000	Paints, distempers, oils and primers etc: Oil: Linseed oil (raw)	Litre	100.00
022302020000	Paints, distempers, oils and primers etc: Oil: Linseed oil (double boiled)	Litre	125.00
022302020000	Paints, distempers, oils and primers etc:	Litre	40.00

	Oil: Turpentine oil		
022303010000	Paints, distempers, oils and primers etc: Paints: Aluminium paints (Grade-I)	Litre	200.00
022303020000	Paints, distempers, oils and primers etc: Paints: Acid proof paints (Chocolate or black) (Grade-I)	Litre	200.00
022303030000	Paints, distempers, oils and primers etc: Paints: Anticorrosive bituminous paint (black) (Grade-I)	Litre	110.00
022303040000	Paints, distempers, oils and primers etc: Paints: Black japan (Grade-I)	Litre	130.00
022303050000	Paints, distempers, oils and primers etc: Paints: Enamel paint (white) (Grade-I)	Litre	160.00
022303060000	Paints, distempers, oils and primers etc: Paints: enamel paint in all shades except white (Grade-I)	Litre	170.00
022303070000	Paints, distempers, oils and primers etc: Paints: Synthetic enamel paint in all shades (Grade-I)	Litre	170.00
022303080000	Paints, distempers, oils and primers etc: Paints: Plastic emulsion paint (grade-I)	Litre	200.00
022303090100	Paints, distempers, oils and primers etc: Paints: Flat oil paint for interior use (Grade-I)	Litre	180.00

022303090200	Paints, distempers, oils and primers etc: Paints: Flat oil paint for exterior use (Grade-I)	Litre	200.00
022303100000	Paints, distempers, oils and primers etc. Paints: Ready mixed paints in all shades except white. (Grade-I)	Litre	160.00
022303110000	Paints, distempers, oils and primers etc. Paints: Ready mixed paint (white) (Grade-I)	Litre	160.00
022303120000	Paints, distempers, oils and primers etc. Paints: Superior roofing paint for iron sheet in white, grey or green shade (Grade-I)	Litre	145.00
022303130000	Paints, distempers, oils and primers etc. Paints: Superior roofing paint for iron sheet in red colour (Grade-I)	Litre	135.00
022303140000	Paints, distempers, oils and primers etc. Paints: Red lead	Kg	100.00
022303150000	Paints, distempers, oils and primers etc. Paints: Red lead paint (ready mixed) (Grade-I)	Litre	130.00
022303160000	Paints, distempers, oils and primers etc. Paints: White lead	Kg.	80.00
022303170000	Paints, distempers, oils and primers etc. Paints: Water proofing cement paint (Grade-I)	Kg.	40.00
022303180000	Paints, distempers, oils and primers etc.	Litre	170.00

	Paints: Road marking paint (all shades) (Grade-I)		
022304010000	Paints, distempers, oils and primers etc. Pigment: Black and dark shades	Kg.	75.00
022304020000	Paints, distempers, oils and primers etc. Pigment: Red chocolate orange buff or yellow red oxide of iron or light shade.	Kg.	90.00
022304030000	Paints, distempers, oils and primers etc. Pigment: Green or blue (Indian) medium shade	Kg.	85.00
022305010000	Paints, distempers, oils and primers etc. Primers: Cement primer	Litre	90.00
022305020000	Paints, distempers, oils and primers etc. Primers: Distemper primers	Litre	90.00
022305030000	Paints, distempers, oils and primers etc. Primers: Metal primer (Red oxide Primer)	Litre	120.00
022305040000	Paints, distempers, oils and primers etc. Primers: Pink primer for wood (Grade-I)	Litre	120.00
022305050000	Paints, distempers, oils and primers etc. Primers: Aluminium paint primer (Grade-I)	Litre	140.00
022305060000	Paints, distempers, oils and primers etc. Primers: Primers for expansion joint	Litre	105.00
022305070000	Paints, distempers, oils and primers etc.	Litre	100.00

	Primers: Zinc oxide chrome/red oxide/red lead primer		
022305080000	Paints, distempers, oils and primers etc. Primers: Kinfining filler	Kg	80.00
022305090000	Paints, distempers, oils and primers etc. Primers: Primers surface (white)	Litre	100.00
022306010000	Paints, distempers, oils and primers etc. Polish: French polish	Litre	200.00
022306020000	Paints, distempers, oils and primers etc. Polish: Mansion polish	Litre	220.00
022306030000	Paints, distempers, oils and primers etc. Polish: Wax polish (ready made)	Kg.	250.00
022307000000	Paints, distempers, oils and primers etc. Varnish	Litre	115.00
022308010000	Paints, distempers, oils and primers etc. Miscellaneous: Oil type wood preservative	Litre	190.00
022308020000	Paints, distempers, oils and primers etc. Miscellaneous: Paint remover	Litre	130.00
022308030000	Paints, distempers, oils and primers etc. Miscellaneous: Transparent wood filler	Litre	135.00
022308040000	Paints, distempers, oils and primers etc. Miscellaneous: Putty for wood work	Kg.	40.00

022308050000	Paints, distempers, oils and primers etc. Miscellaneous: Putty for STEEL work	Kg.	65.00
022308060000	Paints, distempers, oils and primers etc. Miscellaneous: Plastic roofing compound	Kg.	60.00
022308070000	Paints, distempers, oils and primers etc. Miscellaneous: Plaster of paris	Kg.	25.00
022308080000	Paints, distempers, oils and primers etc. Miscellaneous: Mordent solution	Litre	25.00
022308090000	Paints, distempers, oils and primers etc. Miscellaneous: Coal tar paint	Litre	85.00
022308100000	Paints, distempers, oils and primers etc. Miscellaneous: Caustic soda	Kg.	30.00
022308110000	Paints, distempers, oils and primers etc. Miscellaneous: Kerosene oil	Litre	20.00
022308120000	Paints, distempers, oils and primers etc. Miscellaneous: Spirit	Litre	75.00
022308130000	Paints, distempers, oils and primers etc. Miscellaneous: Shellac	Kg.	100.00
022308140000	Paints, distempers, oils and primers etc. Miscellaneous: Creosote oil	Litre	100.00
022308150000	Paints, distempers, oils and primers etc.	Kg.	110.00

	Miscellaneous: Bees wax		
022308160000	Paints, distempers, oils and primers etc. Miscellaneous: Patent knotting	Litre	80.00
022401010000	Rain water pipes: C.I. rain water pipes: 75mm dia pipe 1.83 mt. Long.	Each	520.00
022401020000	Rain water pipes: C.I. rain water pipes: 100mm dia pipe 1.83 mt. Long	Each	625.00
022401030000	Rain water pipes: C.I. rain water pipes: 150mm dia pipe 1.83 mt. Long	Each	1500.00
022402010000	Rain water pipes: C.I. rain water pipes: 75mm dia (inner)	Each	120.00
022402020000	Rain water pipes: C.I. plain bend: 100mm dia (inner)	Each	170.00
022402030000	Rain water pipes: C.I. rain water pipes: 150mm dia (inner)	Each	380.00
022403010000	Rain water pipes: C.I. head flat or corner type bend: 75mm dia (inner)	Each	150.00
022403020000	Rain water pipes: C.I. head flat or corner type bend: 100mm dia (inner)	Each	180.00
022403030000	Rain water pipes: C.I. head flat or corner type bend:	Each	400.00

	150mm dia (inner)		
022404010000	Rain water pipes: C.I.plain shoe: 75mm dia (inner)	Each	140.00
022404020000	Rain water pipes: C.I.plain shoe: 100mm dia (inner)	Each	180.00
022404030000	Rain water pipes: C.I.plain shoe: 150mm dia (inner)	Each	320..00
022405010000	Rain water pipes: C.I.branches plain: 75mm dia single branch	Each	175.00
022405020000	Rain water pipes: C.I.branches plain: 100mm dia single branch	Each	240.00
022405030000	Rain water pipes: C.I.branches plain: 150mm dia single branch	Each	600.00
022405040000	Rain water pipes: C.I.branches plain: 75mm dia double branch	Each	300.00
022405050000	Rain water pipes: C.I.branches plain: 100mm dia double branch	Each	350.00
022406010000	Rain water pipes: C.I. offsets (plain): 50mm projection 75mm diameter	Each	130.00
022406020000	Rain water pipes: C.I. offsets (plain): 75mm projection 75mm diameter	Each	200.00

022406030000	Rain water pipes: C.I. offsets (plain): 115mm projection 75mm diameter	Each	250.00
022406040000	Rain water pipes: C.I. offsets (plain): 150mm projection 75mm diameter	Each	300.00
022406050000	Rain water pipes: C.I. offsets (plain): 50mm projection 100mm diameter	Each	200.00
022406060000	Rain water pipes: C.I. offsets (plain): 75mm projection 100mm diameter	Each	200.00
022500000000	Sand	Cum	300.00
022601000000	Slate: 400mmx200mm	100 Nos.	775.00
022602000000	Slate: 500mmx250mm	100 Nos.	1000.00
022603000000	Slate: 600mmx300mm	100 Nos.	1150.00
022701000000	Steam coal	Qtl.	510.00
022801010100	Steel (tested): M.S. round: 6mm	Qtl.	4300.00
022801010200	Steel (tested): M.S. round: 8mm to 14mm	Qtl.	4300.00
022801010300	Steel (tested): M.S. round: 16mm to 25mm	Qtl.	4250.00
022801010400	Steel (tested):	Qtl.	4200.00

	M.S. round: Above 25mm to 63mm		
022801020000	Steel (tested): M.S. flat:	Qtl.	4500.00
022801030000	Steel (tested): M.S. plates:	Qtl.	4500.00
022801040000	Steel (tested): Angle iron, tee joists and channels:	Qtl.	4500.00
022801050000	Steel (tested): Holding down bolts (upto 0.50m):	Qtl.	5200.00
022801060000	Steel (tested): Rivets	Qtl.	5200.00
022801070000	Steel (tested): Bolts and nuts	Qtl.	5820.00
022801080000	Steel (tested): Holding down bolts (beyond 0.50m)	Qtl.	5200.00
022801090000	Steel (tested): Sheet corrugated or plain galvanized	Qtl.	5500.00
022801100000	Steel (tested): B.P. sheet (thinner than 1.00mm)	Qtl.	5200.00
022802010000	Steel (tested): Tor steel round. 6mm	Qtl.	4560.00
022802020000	Steel (tested): Tor steel round all other sizes	Qtl.	4500.00
022802030000	Steel (tested): Steel reinforcement (HYSD Bars)	Qtl.	4560.00
022803000000	Steel (tested): Steel frames for doors and windows (angle iron)	Kg.	45.00

022804010000	Steel (tested): Pressed steel door frames (ISI 4351-1976) Profile-a	Kg.	70.00
022804020000	Steel (tested): Pressed steel door frames (ISI 4351-1976) Profile-b	Kg.	65.00
022804030000	Steel (tested): Pressed steel door frames (ISI 4351-1976) Profile-c	Kg.	65.00
022805010100	Steel (tested): Steel doors, windows shutters and other accessories ready made steel door with necessary hinges, iron lugs with nuts fixed door	Sqm.	800.00
022805010200	Steel (tested): Steel doors, windows shutters and other accessories ready made steel door with necessary hinges, iron lugs with nuts:single leaf door	Sqm.	900.00
022805010300	Steel (tested): Steel doors, windows shutters and other accessories ready made steel door with necessary hinges, iron lugs with nuts: double leaf door	Sqm.	1100.00
022805020100	Steel (tested): Steel doors, windows shutters and other accessories ready made standard steel windows/ventilators with necessary fittings :fixed steel window	Sqm.	775.00
022805020200	Steel (tested): Steel doors, windows shutters and other	Sqm.	900.00

	accessories ready made standard steel windows/ventilators with necessary fittings :side hung window		
022805020300	Steel (tested): Steel doors, windows shutters and other accessories ready made standard steel windows/ventilators with necessary fittings :top hung ventilator	Sqm.	1100.00
022805020400	Steel (tested): Steel doors, windows shutters and other accessories ready made standard steel windows/ventilators with necessary fittings :centre hung window	Sqm.	1100.00
022805030000	Steel (tested): Rolling shutters. Operated by lever gear box and crank handle exceeding 12.00 sqm. & upto 25.00 sqm. In area (extra rate)	Sqm.	625.00
022805040000	Steel (tested): Rolling shutters. Operated by chain wheel & hand chain Exceeding 25.00 sqm. & upto 35.00 sqm. In area (Extra rate only.)	Sqm.	625.00
022805050100	Steel (tested): Rolling shutters. Having width below 3.5metrs.	Sqm.	1000.00
022805050200	Steel (tested): Rolling shutters. Having width above 3.5metrs.	Sqm.	950.00
022805050300	Steel (tested): Rolling shutters.	Each	600.00

	27.5 cm. Long wire spring.		
022805050401	Steel (tested): Rolling shutters. Hood cover: 0.9mm thick	Meter	400.00
022805050402	Steel (tested): Rolling shutters. Hood cover: 1.25mm thick	Meter	575.00
022806000000	Steel (tested): Ball bearing.	Each	650.00
022806010000	Steel (tested): Rolling shutters. Pully 38mm dia	Each	50.00
022806020000	Steel (tested): Rolling shutters. Pully 25mm dia	Each	50.00
022807000000	Steel (tested): M.S. cleats with bolts and nuts to rest on pintles	Each	50.00
022808000000	Steel (tested): Hooks	Each	10.00
022809000000	Steel (tested): Coil type spring	Each	500.00
022810000000	Steel (tested): Metal beading	Meter	35.00
022811000000	Steel (tested): 20x6mm mild Steel 15cm long clamp	Each	20.00
022812000000	Steel (tested): M.S. ring.	Each	20.00
022813000000	Steel (tested):	Each	50.00

	Rectangular C.I. box 180x100mm 100mm with bottom and top lids of 1.6 mm thick M.S. sheet fixed with 3.5mm dia Round headed screws.		
022901000000	Stone: Quarried stone in block (undressed)	Cum	500.00
022902000000	Stone: Ordinary quarried stone	Cum.	350.00
022903000000	Stone: Through bond stone and quoins	100 Nos.	1000.00
022904000000	Stone: Stone for soling filling crates etc.	Cum	300.00
022905000000	Stone: Stone for pitching (18kg)	Cum	280.00
022906000000	Stone: Surkhi	Cum	420.00
023001020000	Tiles: (first quality) Glazed (white Indian make) All sizes 6 mm	Sqm.	250.00
023001030000	Tiles: (first quality) Glazed (white Indian make) All sizes 8 mm	Sqm.	325.00
023002010000	Tiles: (first quality) Glazed (coloured/patterned) All sizes 6 mm	Sqm.	275.00
023002020000	Tiles: (first quality) Glazed (coloured/patterned) All sizes 8 mm	Sqm.	350.00
023002030000	Antiskid water proof verified floor tiles	100	350.00

	All size 10mm thick	Nos.	
023003000000	Tiles : (First quality) Internal or external border/patterned angle(glazed)	100 Nos.	1800.00
023004010000	Tiles : (First quality) Terrazo tiles (Precast 20mm thick) Grey shade	Sqm.	270.00
023004020000	Tiles : (First quality) Terrazo tiles (Precast 20mm thick) Silver Grey shade	Sqm.	300.00
023004030000	Tiles : (First quality) Terrazo tiles (Precast 20mm thick) White shade	Sqm.	370.00
023004040000	Tiles : (First quality) Terrazo tiles (Precast 20mm thick) Medium shade	Sqm.	300.00
023004050000	Tiles : (First quality) Terrazo tiles (Precast 20mm thick) Dark shade	Sqm.	300.00
023101010000	Timber : Sleepers : Deodar wood Class I	Cum	45200.00
023101020000	Timber : Sleepers : Deodar wood Class II	Cum	44500.00
023101030000	Timber : Sleepers : Kail wood Class I	Cum	44500.00
023101040000	Timber: Sleepers: Kail wood class II	Cum	33830.00

023101050000	Timber: Sleepers: Chil wood class I	Cum	18100.00
023101060000	Timber: Sleepers: Chil wood class II	Cum	15800.00
023101070000	Timber: Sleepers: Sal wood	Cum	12700.00
023102010000	Timber: Scantling: Teak wood class I	Cum	83000.00
023102020000	Timber: Scantling: Teak wood class II	Cum	66700.00
023201000000	Washers: Limpet	Cent	40.00
023202000000	Washers: Bitumen	Cent	25.00
023203000000	Washers: G.I.	Cent	50.00
023204000000	Washers: Water proofing compound	Kg.	35.00
023205000000	Washers: Whiting	Qtl.	600.00
023301010000	Wire : Barbed: M.S (12 gauge)	Qtl.	5000.00
023302010000	Wire : Wire gauge:	Sqm.	175.00

	140gauge		
023302020000	Wire : Wire gauge: 85gauge	Sqm.	130.00
023303010000	Wire : Chicken mesh: 18 gauge (20mm opening)	Sqm.	105.00
023302020000	Wire : Chicken mesh: 22 gauge (20mm opening)	Sqm.	85.00
023303030000	Wire : Chicken mesh: M.S. Binding wires:	Kg.	50.00
023401000000	Miscellaneous: Double strap 116cm long 50mm wide and 6mm thick including bolts and nuts.	Each	100.00
023402000000	Miscellaneous: G.I. seam bolts and nuts	Ten	70.00
023403000000	Miscellaneous: G.I.J. and L. hooks 8mm diameter	Ten	60.00
023404000000	Miscellaneous: G.I. bolts and nuts 25mmx6mm.	Ten	45.00
023405000000	Miscellaneous: Iron pintles including welded pins	Each	50.00
023406010000	Miscellaneous: Aluminium sheet	Kg.	250.00
023406020000	Aluminium Strips 40mmx 2mm.	R.M.	60.00
023407000000	Miscellaneous: Aluminium step edging L-Shaped	R.M.	100.00
023408000000	Miscellaneous:	Each	150.00

	Aluminium sheet 1.00x1.00mm fitted wit lense reflector.		
023408000000	Miscellaneous: Glass strips 40mm wide and 4mm thick	Meter	20.00
023409000000	Miscellaneous: Glass strips 40mm wide and 6mm thick	Meter	30.00
023410000000	Miscellaneous: Plastic strips	Meter	10.00
023411010000	Miscellaneous: Linoleum sheets: 3.20mm thick	Sqm.	450.00
023411020000	Miscellaneous: Linoleum sheets: 3.20-4.50mm thick	Sqm.	600.00
023412000000	Miscellaneous: Adhesive for linoleum sheet	Litre	200.00
023413010000	Miscellaneous: PVC tiles: 2mm thick	Sqm.	450.00
023413020000	Miscellaneous: PVC tiles: 3mm thick	Sqm.	570.00
023414000000	Miscellaneous: Adhesive for PVC tiles	Litre	350.00
023415000000	Miscellaneous: Metalic floor hardener	Qtl.	695.00
023416000000	Miscellaneous: Good earth	Cum	75.00
023417000000	Miscellaneous: Chopped straw	Kg.	5.00

023418000000	Miscellaneous: Fire clay bricks	1000Nos	11000.00
023419000000	Miscellaneous: Fire clay mortar	Qtl.	250.00
023420000000	Miscellaneous: TURN BUCKLES	Each	40.00
023421000000	Miscellaneous: Straining bolt	Each	50.00
023422000000	Miscellaneous: Plain woven G.I. fencing mesh 50mm x 150mm	Sqm.	200.00
023423000000	Miscellaneous: 25mm plain m.s. galvanised wire	Kg.	50.00
023424000000	Miscellaneous: Galvanised steel barbed wire according to I.S. 278 1962 (Type-1) weighting 9.38 kg. Per 100 meter 12 gauge	Qtl.	5600.00
023425000000	Miscellaneous: Superior quality cane	Kg.	200.00
023426000000	Miscellaneous: Flag stone	Sqm.	100.00
023427000000	Miscellaneous: Red reflector	Each	40.00
023428000000	Miscellaneous: Kerb stone	Meter	130.00
023429000000	Miscellaneous: Base stone	Meter	100.00
023430000000	Miscellaneous: Boundary stone 90cm x 15cm x15cm	Each	70.00
023431000000	Miscellaneous:	Cum.	400.00

	Bajari (red)		
023432000000	Miscellaneous: Ferrle 26B.G. sheet	Each	200.00
023433000000	Miscellaneous: M.S. flat angle iron clamp 50mmx6mmx50cm including nuts and bolts.	Each	60.00
023434000000	Miscellaneous: V-shaped clamp	Each	45.00
023435000000	Miscellaneous: Hard drawn steel wire fabric 75mmx25mm mesh	Sqm.	370.00
023436000000	Miscellaneous: Wire netting 12mm-20mm mesh (for dhajji wall)	Sqm.	60.00
023501000000	RCC hume pipes with collars Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 300mm diameters	Meter	700.00
023502000000	RCC hume pipes with collars Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 500mm diameters	Meter	1200.00
023503000000	RCC hume pipes with collars Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 600mm diameters	Meter	1450.00
023504000000	RCC hume pipes with collars Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 750mm diameters	Meter	1875.00
023505000000	RCC hume pipes with collars	Meter	2500.00

	Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 900mm diameters		
023506000000	RCC hume pipes with collars Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 1000mm diameters	Meter	3000.00
023507000000	RCC hume pipes with collars Reinforced concrete heavy duty non pressure pipes I.S. Class NP3 1200mm diameters	Meter	3200.00
023601000000	RCC hume pipes with collars Reinforced concrete light duty non pressure pipes I.S. Class NP2 300mm diameters	Meter	400.00
023602000000	RCC hume pipes with collars Reinforced concrete light duty non pressure pipes I.S. Class NP2 500mm diameters	Meter	600.00
023603000000	RCC hume pipes with collars Reinforced concrete light duty non pressure pipes I.S. Class NP2 600mm diameters	Meter	740.00
023604000000	RCC hume pipes with collars Reinforced concrete light duty non pressure pipes I.S. Class NP2 750mm diameters	Meter	1000.00
023605000000	Reinforced concrete light duty non pressure pipes including collars. I.S. class NP2 900mm diameters	Meter	1580.00

023606000000	Reinforced concrete light duty non pressure pipes including collars. I.S. class NP2 1000mm diameters	Meter	1820.00
023607000000	Reinforced concrete light duty non pressure pipes including collars. I.S. class NP2 1200mm diameters	Meter	2380.00
023701000000	Reinforced concrete pipes i/c collars: IS Class NP4 300mm diameter	Meter	1000.00
023702000000	Reinforced concrete pipes i/c collars: IS Class NP4 500mm diameter	Meter	1700.00
023703000000	Reinforced concrete pipes i/c collars: IS Class NP4 600mm diameter	Meter	2000.00
023704000000	Reinforced concrete pipes i/c collars: IS Class NP4 750mm diameter	Meter	2400.00
023705000000	Reinforced concrete pipes i/c collars: IS Class NP4 900mm diameter	Meter	2900.00
023706000000	Reinforced concrete pipes i/c collars: IS Class NP4 1000mm diameter	Meter	3200.00
023707000000	Reinforced concrete pipes i/c collars: IS Class NP4 1200mm diameter	Meter	3800.00
023901000000	Additional items Common brunt clay brick tiles	1000 nos.	3000.00

023902000000	Additional items Iron nails	Kg.	50.00
023903000000	Additional items Hessian cloth	Sqm.	30.00
023904000000	Additional items Textile cloth	Sqm.	25.00
023905000000	Additional items Canvas cloth	Sqm.	35.00
023906000000	Additional items Red oxide (powder)	Kg.	85.00
023907000000	Additional items M.S. Bracket of flat or angle iron	Each	50.00
023908000000	Additional items Pig lead	Kg.	125.00
023909000000	Additional items Spun yarn	Kg.	65.00
023910000000	Additional items P.G.I. Sheet bend for R.W.P. 100mm dia	Each	55.00
023911000000	Additional items P.G.I. Sheet bend for R.W.P. 150mm dia.	Each	75.00
023912000000	Additional items M.S. Holder bat clamp for R.W.P. 75mm dia.	Each	25.00
023913000000	Additional items M.S. Holder bat clamp for R.W.P. 100mm dia.	Each	40.00
023914000000	Additional items M.S. Holder bat clamp for R.W.P. 150mm dia	Each	60.00
023915000000	Additional items	Each	160.00

	A.C. Sheet plain angular ridge piece 1.22mtr.		
023916000000	Additional items A.C. Rain water pipe 50mm dia 2.00mtr.	Each	45.00
023917000000	Additional items A.C. pipe wall plug & holder bat clamp 50mm. Dia	Each	20.00
023918000000	Additional items M.S. Holder bat clamp for R.W.P. 80mm dia	Each	25.00
023919000000	Additional items M.S. Holder bat clamp for R.W.P. 100mm dia	Each	40.00
023920000000	Additional items A.C. plain bend without door 50mm dia	Each	35.00
023921000000	Additional items A.C. plain bend with door 50mm dia	Each	40.00
023922000000	Additional items A.C. plain bend without door 80mm dia	Each	40.00
023923000000	Additional items A.C. plain bend with door 80mm dia	Each	50.00
023924000000	Additional items A.C. plain bend without door 100mm dia	Each	50.00
023925000000	Additional items A.C. plain bend with door 100mm dia	Each	55.00
023926000000	Additional items A.C. offset 50mm projection 50mm dia	Each	40.00
023927000000	Additional items A.C. offset 50mm projection 80mm dia	Each	50.00
023928000000	Additional items A.C. offset 50mm projection 100mm dia	Each	60.00
023929000000	Additional items	Each	60.00

	A.C. offset 75mm projection 50mm dia		
023930000000	Additional items A.C. offset 100mm projection 50mm dia	Each	65.00
023931000000	Additional items A.C. offset 100mm projection 80mm dia	Each	80.00
023932000000	Additional items A.C. offset 100mm projection 100mm dia	Each	100.00
023933000000	Additional items A.C. offset 150mm projection 50mm dia	Each	75.00
023934000000	Additional items A.C. offset 200mm projection 50mm dia	Each	100.00
023935000000	Additional items A.C. offset 200mm projection 80mm dia	Each	110.00
023936000000	Additional items A.C. offset 200mm projection 100mm dia	Each	120.00
023937000000	Additional items A.C. offset 300mm projection 80mm dia	Each	120.00
023938000000	Additional items A.C. offset 300mm projection 100mm dia	Each	130.00
023939000000	Additional items A.C. offset 450mm projection 80mm dia	Each	135.00
023940000000	Additional items A.C. offset 450mm projection 100mm dia	Each	140.00
023941000000	Additional items A.C. offset 650mm projection 100mm dia	Each	200.00
023942000000	Additional items A.C. Single Equal junction without door 50mm dia.	Each	70.00
023943000000	Additional items A.C. Single Equal junction with door 50mm	Each	70.00

	dia.		
023944000000	Additional items A.C. Single Equal junction without door 80mm dia.	Each	60.00
023945000000	Additional items A.C. Single Equal junction with door 80mm dia.	Each	80.00
023946000000	Additional items A.C. Single Equal junction without door 100mm dia.	Each	70.00
023947000000	Additional items A.C. Single Equal junction with door 100mm dia.	Each	100.00
023948000000	Additional items A.C. Double Equal junction without door 50mm dia.	Each	70.00
023949000000	Additional items A.C. Double Equal junction with door 50mm dia.	Each	80.00
023950000000	Additional items A.C. Double Equal junction without door 80mm dia.	Each	100.00
023951000000	Additional items A.C. Double Equal junction with door 80mm dia.	Each	100.00
023952000000	Additional items A.C. Double Equal junction without door 100mm dia.	Each	100.00
023953000000	Additional items A.C. Double Equal junction with door 100mm dia.	Each	105.00

023954000000	Additional items A.C. shoe 50mm dia	Each	40.00
023955000000	Additional items Liquid plastic roofing compound	Kg.	40.00
023956000000	Additional items M.S. wire ropes	Qtl.	8750.00
023957000000	Additional items M.S. Accessories	Qtl.	7250.00
023958000000	Additional items Cast steel structure	Qtl.	10000.00
023959000000	Additional items Cast iron fixture	Qtl.	2350.00
023960000000	Additional items Hydrated lime	Kg.	10.00
023961000000	Additional items Dark shade colour	Kg.	90.00
023962000000	Additional items Light shade colour	Kg.	110.00
023963000000	Additional items Damp proofing compound	Kg.	35.00
023964000000	Additional items 6mm. Dia machine made cotton string	10 Mtr.	25.00
023965000000	Additional items Curtain rings & plates	Set	30.00
023966000000	Additional items Chalk whitening	Kg.	10.00
023967000000	Additional items G.M.S. Tube light grade 40mm dia	Rmt.	200.00
023968000000	Additional items G.M.S. Tube light grade 25mm dia	Rmt.	120.00

023969000000	Additional items Brass hat peg.	Each	80.00
023970000000	Additional items Wooden blocks/plug	Each	20.00
023971000000	Additional items Fuel wood	Qtl..	380.00
024001000000	New items Particle board 8mm thick	Sqm.	250.00
024002000000	New items Particle board 10mm thick	Sqm.	300.00
024003000000	New items Gypsum board 9.5mm thick	Sqm.	230.00
024004000000	New items Gypsum board 12.5mm thick	Sqm.	300.00
024005000000	New items Cement bound particle board 6mm. Thick	Sqm.	270.00
024006000000	New items Cement bound particle board 8mm thick	Sqm.	300.00
024007000000	New items Phenol bounded Teak wood particle foam polymer board 12mm. Thick	Sqm.	660.00
024008000000	New items Synthetic wood board 10mm. Thick	Sqm.	2300.00
024009000000	New items Prelaminaed board (both side) 12mm thick.	Sqm.	800.00
024010000000	New items Talai stone slab 50mm. Thick	Sqm.	150.00
024011000000	New items Granite stone slab 20mm thick	Sqm.	2500.00
024012000000	New items	Each	50.00

	Ceramic spartic titles 300x300x5.5mm thick		
024013000000	New items Acid proof tiles 150x150x18mm	Each	25.00
024014000000	New items Acid proof mortar	Set	1250.00
024015000000	New items Garsa (Kullu) Stone slab 12.5mm thick	Sqm.	550.00
024016000000	New items Per pex sheets 2mm thick	Sqm.	600.00
024017000000	New items PVC Rain water pipe 100mm dia (1.85mm long)	Each	90.00
024018000000	New items PVC Bend for RWP 100mm dia	Each	100.00
024019000000	New items (Prestress Bridges) PTEE nodule	Sq.cm	40.00
024110000000	New item (Prestress Bridges) Chloroprine	C.C.	6.00
024111000000	New item (Prestress Bridges) Neoprine (Fabricated)	Kg	1200.00
024112000000	New item (Prestress Bridges) Admixture/Superplasticizer	Lttre	300.00
024113000000	New item (Prestress Bridges) Stone aggregate for controlled concrete 20mm nominal size	Cum	1100.00
024114000000	Aluminium door/window frames	Kg.	270.00
024115000000	Stainless steel screws 20mm size	Cent.	65.00
024116000000	Dash hold fastner for aluminium door frames	Each	10.00
024117000000	Anodising to aluminium door/window frames	Kg.	45.00

024118000000	Aluminium hinges 100x45x4mm	Ten	400.00
024119000000	PVC/Neoprine gasket to fixing glass panes	Rmt.	20.00
024120000000	Floor spring for aluminium doors.	Each	1150.00
024121010000	Chlorprene elastomere or chased cell foam sending element	Meter	130.00
024121020000	Compensation for earth taken from private land	Cum.	40.00
024121030000	Compressible fibre board (20mm thick)	Sq.m	285.00
024121040000	Copper plate	Kg.	600.00
024121050000	Corbelling stone 300x150x150mm	Nos.	90.00
024122010000	Corrosing resistant structural steel grating	KG.	80.00
024122020000	Crow bars 40mm dia(Hire charges)	Hours	1.00
024122030000	Curing compound	Litre	50.00
024122040000	Debonding strips	Meter	10.00
024122050000	Elastomeric bearing assembly	Each	50000.00
024123000000	Farm Yard manure	Cum	330.00
024124000000	G.I. wire	Kg.	60.00
024125000000	Indigo	Kg.	175.00
024126000000	Joint filler board	Sq.m	480.00
024127000000	Jute netting open weave 25mm square opening	Sqm.	60.00
024128000000	Jute ropes 12mm dia	Meter	9.00
024201000000	Credit for excavated rock found suitable for use.	Cum	170.00
024202000000	Crushed sand or grit passing 2.36mm and retained on 180 micron	Cum	350.00
024203000000	Crushed slag	Cum	235.00
024204010000	Crushed stone aggregate 26.5mm to 75 micron	Cum	470.00
024204020000	Crushed stone chipping 13.2mm nominal	Cum	470.00

	size		
024204030000	Crushed stone chipping 6.7mm size 100% passing 11.2mm and retained on 2.36mm	Cum	490.00
024204040000	Crushed stone chipping 6.7mm size 100% passing 9.5mm and retained on 2.36mm	Cum	485.00
024204050000	Crushed stone chipping 9.5mm nominal size.	Cum	480.00
024204060000	Crushed stone chipping aggregate passing 53mm and retained on 2.8mm.	Cum	460.00
024204070000	Graded stone aggregate	Cum	450.00
024204080000	Granular material (natural occurring soil gravel mixture/quarry waste kankar, latarite, dhandla)	Cum	200.00
024204090000	Hand broken metal 40mm size	Cum	350.00
024204100000	Key aggregate passing 22.4mm and retained on 2.8mm	Cum	470.00
024204110000	Loose stone for filling	Cum	300.00
024204120000	Quarried stone 150mm to 200mm size	Cum.	300.00
024204130000	Stone boulder of size 150mm and below (weight minimum 25 kg)	Cum	300.00
024204140000	Stone chips 12mm size	Cum	470.00
024204150000	Stone chips 13.2mm to 5.6mm	Cum	470.00
024204160000	Stone crushed aggregate 11.2mm to 0.09mm	Cum	470.00
024204170000	Stone for course rubble masonry 1 st sort	Cum.	500.00
024204180000	Stone for course rubble masonry 2 nd sort	Cum.	475.00
024204190000	Stone for random rubble masonry	Cum	400.00
024204200000	Stone for stone set pavement (300x200x150mm)	Nos.	5.75
024204210000	Stone screening type-A 13.2 mm for grading-I	Cum	470.00
024204220000	Stone screening type-A 13.2 mm for	Cum	470.00

	grading-II		
024204230000	Stone screening type-B 11.2 mm for grading-II	Cum	480.00
024204240000	Stone screening type-B 11.2 mm for grading-III	Cum	480.00
024204250000	Stone spalls (minimum 2.5mm size)	Cum	300.00
024205010000	Well graded granular base material grading – A 2.36mm below.	Cum.	490.00
024205020000	Well graded granular base material grading – A 26.5mm to 4.75 mm	Cum.	470.00
024205030000	Well graded granular base material grading – A 53mm to 26.5mm.	Cum.	440.00
024205040000	Well graded granular base material grading – B 2.36mm below.	Cum.	490.00
024205050000	Well graded granular base material grading – B 26.5mm to 4.75 mm	Cum.	470.00
024205060000	Well graded granular base material grading – C 2.36mm below.	Cum.	300.00
024205070000	Well graded granular base material grading – C 9.5mm TO 4.75MM	Cum.	485.00
024205080000	Well graded granular material for sub base grading –I 2.36mm and below.	Cum.	300.00
024205090000	Well graded material for sub base grading-I 53mm to 9.5mm	Cum.	460.00
024205100000	Well graded material for sub base grading-I 9.5mm to 2.36mm	Cum.	485.00
024205110000	Well graded material for sub base grading-II 2.36mm and below.	Cum.	300.00
024205120000	Well graded material for sub base grading-II 26.5mm to 9.5mm	Cum.	470.00

024205130000	Well graded material for sub base grading-II 9.5mm to 2.36mm	Cum.	485.00
024205140000	Well graded material for sub base grading-III 2.36mm and below.	Cum.	300.00
024205150000	Well graded material for sub base grading-III 4.75mm to 2.36mm	Cum.	455.00
024205160000	Well graded material for sub base grading-III 9.5mm to 4.75mm	Cum.	485.00
024205170000	Fine aggregate/crushed sand 2.36mm to 45 micron.	Cum.	300.00
024206010000	Edge stone (450x350x100mm)	No.	25.00
024206020000	Edge stone (450x350x200mm)	No.	45.00
024207010000	Filter media	Cum.	250.00
024207020000	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 seive.	Cum.	250.00
024207030000	Fevicol adhesive	Kg	200.00
024208010000	Epoxy paint	Litre	290.00
024208020000	Epoxy primer	Litre	140.00
024208030000	Quick setting compound	Kg.	65.00
024208040000	Platiciger	Litre	125.00
024208050000	Epoxy compound with accessories for preparing epoxy motor	Kg.	90.00
024209010000	Galvanised angles all sizes.	Kg.	50.00
024209020000	G.I. pipe 100mm dia	Meter	480.00
024209030000	G.I. pipe 50mm dia.	Meter	250.00
024209040000	M.S. clamp 100mm dia A.C. pipe	Nos.	15.00
024209050000	M.S. sheet 1.5mm thick	Sqm.	660.00
024209060000	M.S. sheet 2.00 mm thick	Sqm.	825.00
024209070000	Steel pipe 50mm dia	Meter	165.00
024209080000	M.S. sheet tube (47x47x125mm sheet)	Kg.	55.00

024210010000	Polythene sheets 125 micron	Sq.m	20.00
024210020000	Polythene sheet covering 2/3 rd dower bars (20x23)	Nos.	50.00
024303010000	Local wood piles (1 st class) 150x200mm dia, 6mm long.	Each	3225.00
024303020000	Local wood piles (1 st class) 100x75mm	Cum	21700.00
024303030000	Wooden sleepers 250x250x125mm (Hire charges) for unloading 1000/1200mm dia Hume pipe	Hours	25.00
024401000000	Seeds	Kg.	300.00
024402000000	Traffice cones	Nos.	385.00
024403000000	Water	K.L.	50.00
024404000000	Steel fabricated section	Qtl.	4800.00
024501000000	Bearing (cast steel rocker bearing assembly of 250 tonne)	Each	40000.00
024502000000	Bearing (Forged steel roller bearing of 250 tonne)	Each	60000.00
024503000000	Bearing (Supply of sliding plate bearing of 80 tonne)	Each	50000.00
024600000000	Sand bag i/c cost of sand and empty cement bag.	Each	8.00
024700000000	Wire mesh 50x50mm size of 3mm thick wire	Kg.	80.00
024801010000	Acrylic polymer bonding coat	Litre	205.00
024801020000	Aluminium alloy/galvanized steel	Tonne	270000.00
024801030000	Bearing (cost of parts)		
024801040000	Bearing (pot type bearing assembly consisting of a metal piston supported by a	Each	120000.00

	disc PTFE pads providing sliding surfaces against stainless steel mating with cost steel assemblies/fabricated structural steel assemblies duly painted with all components.		
024801050000	Bearing PTFE sliding plate bearing assembly of 80 tonnes cap.	Each	120000.00
024801060000	Bentonite	Kg.	175.00
024802000000	C.I. shoe for the piles.	Kg.	70.00
024803000000	Cold twisted bars (HYSD Bars)	Tonne	45000.00
024804010000	Epoxy mortar	Kg.	2000.00
024804020000	Epoxy resin hardner mix for prime coat	Kg.	1250.00
024805010000	Galvanized M.S. flat clamp	Each	150.00
024805020000	Galvanized steel wire crate mesh of size 100x100mm woven with 4mm dia G.I. wire in rolls of required sizes.	Sq.m	125.00
024805030000	Galvanized structural steel plate 200mm wide 6 mm thick 24m long	Kg.	90.00
024806010000	HDPE pipes 75mm dia	Metre	125.00
024806020000	HDPE Pipes 90mm dia	Metre	150.00
024807010000	HTS strand	Tonne	115000.00
024807020000	LDO for steam curing	Litre	35.00
024807030000	M.S. clamp	Each	125.00
024807040000	M.S. clamps	Kg.	70.00
024807050000	M.S. shoes @ 35 kg per pile of 15m.	Kg.	90.00
024807060000	Mild steel bars.	Tonne	40000.00
024808010000	Modular strip/box seal expansion joint including anchorage catering to a horizontal movement beyond 70mm and upto 140mm assembly comprising of edge beam 2 modules chloroprene seal, anchorage	Metre.	20000.00

	element support and control system, all sheet sections protected against corrosion and installed by the manufacturer or his authorized representatives.		
024808020000	Modular strip/box seal expansion joint catering to a horizontal movement beyond 140mm and upto 210mm box/box seal joint assembly containing 3 modules/cells and comprising of edge beams, two central beams, chloroprene seal, anchorage element support and control system, all sheet sections protected against corrosion and installed by the manufacturer of his authorized representatives.	Metre	25000.00
024808030000	Nipple 12mm	Each	100.00
024808040000	Pre moulded joint filler 25mm thick for expansion joints.	Sqm.	1500.00
024808050000	Pre-coated stone chips of 13.2mm nominal size	Cum	700.00
024808060000	Preformed continuous chloroprene elastomer or closed cell foam sealing element with high tear strength vulcanised in a single operation for the full length of a joint to ensure water tightness.	Meter	15000.00
024808070000	Pre-packed cement based polymer concrete of strength 45mpa at 28 days.	Kg.	10.00
024808080000	Sheathing duct (66mm dia)	Metre	150.00
024808090000	Steel helmet and cushion block on top of pile head during driving.	Kg.	70.00
024808100000	Strip seal expansion joint	Metre	18000.00
024809010000	Super plastisizer admixture TS marked as per	Kg.	75.00

	9103-1999		
024809020000	Synthetic geogrids as per clause 3102.8 and appd. Design and specification	Sq.m	110.00
024809030000	Tie roads 20mm dia meter.	Each	80.00
024809040000	Tube anchorage set complete with bearing plate permanent wedges etc.	Each	300.00
024809050000	Water based cement paint	Litre	400.00
024809060000	Wooden Packings	Cum.	40000.00
New Items.			
024900000000	Cuddapa black stone 20mm thick	Sq.m	265.00
024901000000	PVC antistatic vinyl flooring plain or coloured 2mm thick.	Sqm.	560.00
024902000000	Heavy duty compacted and pressed C.C. interlocking paver blocks 60mm thick	Sqm.	475.00
024903000000	Heavy duty compacted and pressed C.C. inerlocking paver blocks 80mm thick.	Sqm.	540.00
024904000000	Heavy duty compacted and pressed C.C. interlocking paver blocks 40mm thick	Sqm.	390.00
024905000000	Precast cement concrete paving tiles 25mm thick (M25)	Sqm.	250.00
024906000000	Duro stone antiskid vetrified floor tiles 8mm thick of any shade and size.	Sqm.	720.00
024907000000	Druo stone antiskid vetrified floor tiles 8mm thick of any shade and size.	Sqm.	550.00
024908000000	Antiskid water proof heavy duty vetrified tiles 10mm thick of all size (nitco or equivalent)	Sqm.	720.00
024909000000	Birla white wall putty.	Kg.	35.00
024910000000	Aluminium grill of required pattern (80x80mm panel) and 8mm thick.	Kg sqm.	250.00 1350.00

024911000000	Pre-painted steel sheet 0.60 mm thick	Sqm.	500.00
024912000000	Pre-painted steel sheet valleys 60 cm. Overall 0.60 mm thick	Mt.	250.00
024913000000	Pre-painted steel sheet ridges or hips 60 cm. Overall 0.60 mm thick	Rmt.	240.00
024914000000	Prepainted steel sheet flushing 30 cm overall 0.60 mm thick.	Rmt.	200.00
024915000000	M.S. B.P. sheet 1.66 mm thick to 2mm thick	Qtl.	5000.00
024916000000	PVC (D plast) or equivalent rain water pipe 75mm diameter	Rmt.	130.00
024917000000	PVC (D plast) or equivalent rain water pipe 100mm diameter	Rmt.	175.00
024918000000	PVC (D plast) or equivalent rain water pipe 150mm diameter	Rmt.	220.00
024919000000	PVC (D plast) or equivalent Accessories for rain water pipe plain bend 150mm dia	Each	240.00
024920000000	PVC (D plast) or equivalent Accessories for rain water pipe corner type bend 150mm dia	Each	240.00
024921000000	PVC (D plast) or equivalent Accessories for rain water pipe PVC shoe 150mm dia	Each	125.00
024922000000	Corrugated polycarbonated transparent sheet 0.80 mm thick to 1.20mm thick.	Sqm.	890.00
024924000000	E board (reinforced multi purpose) 4mm thick.	Sqm.	560.00
024925000000	Commercial board 19mm thick	Sqm.	460.00
024926000000	Laminations sheet (coloured or plain) sunmica 1.0mm thick.	Sqm.	425.00
024927000000	Water proof kitply commercial 12mm thick.	Sqm.	625.00
024928000000	Water proof kitply commercial 19mm thick.	Sqm.	785.00
024929000000	Burl ply 4 mm thick.	Sqm.	260.00

024930000000	Water proof kitply commercial 25mm thick.	Sqm.	950.00
024931000000	Water proof kitply commercial 9mm thick.	Sqm.	520.00
024932000000	Water proof kitply commercial 6mm thick.	Sqm.	420.00
024933000000	Water proof kitply 4mm thick.	Sqm.	250.00
024934000000	Cost iron Anarkali moulded railing	Kg.	60.00
024935000000	M.S. pipe 50mm dia.	Rmt.	50.00
024936000000	Spectrum primer (acrylic primer)	Litre	135.00
024937000000	Spectrum quart king finish emulsion (acrylicemulsion)	Litre	330.00
024938000000	Apex ultima wall finish emulsion weather proof	Litre	260.00
024939000000	Triangular Synthetic fibre	Kg	308.00
024940000000	Concrete curing compound (water based)	Litre	85.00
024941000000	Dupont Xavan pond liner + Geosys ST-190	Sq.m	520.00
024942000000	TYFO Hybrid woven fibre glass fabric mesh	Sqm.	1250.00
024943000000	Wall putty (Birla or equivalent)	Kg.	30.00
024944000000	TYFO Epoxy Adhesive for fibre wrap	Litre	2000.00
024945000000	TYFO Epoxy primer	Litre	2000.00
024946000000	Top sealing compound	Kg.	110.00
024947000000	Acrylic wall finish emulsion paint (superior quality)	Litre	190.00
024948000000	Spirit for melamine polish s	Litre.	55.00
024949000000	Shalac for melamine polish	Kg.	350.00
024950000000	Melamine finish	Litre	250.00
024951000000	Perforated concealed culing tiles (600x600x5 mm)	Sq.m	1030.00
024952000000	Plain perforated concealed culing tiles (600x600x5 mm)	Sqm.	970.00
024953000000	Red sand stone 40mm thick	Sqm.	380.00
024954000000	Bright finished M.S. hydraulic door closer	Each	400.00

024955000000	Sika top seal compound	Kg.	110.00
024956000000	Hexalone grass wool board	Sqm	375.00
024957000000	Melamine polish (readymade)superior	Litre.	325.00
024958000000	Melamine thinner	Litre	395.00
024959000000	Perforated conceiled ceiling tiles (600x600x5mm)	Sqm.	1030.00
024960000000	Plain concealed ceiling tiles (600x600x5mm)	Sqm.	970.00
024961000000	Aluminium sheet 1 mm thick	Sqm.	525.00
024962000000	Wood wool tiles (1200x600mm) 25mm thick	Sq.m.	525.00
024963000000	Precast cement concrete hollow blocks (40x20x20 cm) of C.C. 1:3:6	Each	25.00
024964000000	Precast cement concrete hollow blocks (40x20x20 cm) of C.C. 1:4:8	Each	20.00
024965000000	Multi polycarbonated thermocol sheet 10mm thick.	Sqm.	1920.00
024966000000	Diesel	Litre	36.00
024967000000	M/oil	Litre	120.00
024968000000	Factory made PVC door frame single rebate size 50mmx47mm	Rmt.	300.00
024969000000	Factory made PVC door frame double rebate size 95mmx50mm	Rmt.	496.00
024970000000	Factory made 30mm thick PVC Panelled door shutter.	Sqm.	1973.00
024971000000	Factory made 30mm thick PVC wire mesh door shutter.	Sqm.	1664.00

CHAPTER – III
USAGE RATES OF MACHINERIES

CHAPTER -III

USAGE RATES OF MACHINERIES

Item Code	Sr. No.	Description of Machinery	Unit	Output	Unit of usage Rate	Rate Recommended for Committee
301	PM-001	Air Compressor 210 cfm	Cfm	210	Per Hour	275.00
302	PM-002	Batch mix HMP-40-60 TPH	.t/h	50	Per Hour	10300.00
303	PM-003	Batch Type HMP 30-40 TPH	t./h	35	Per Hour	8400.00
304	PM-004	Bitumen boiler oil fired 200 litre cap	I/h	400	Per Hour	240.00
305	PM-004	Bitumen boiler oil fired 1000 litre cap	I/h	2000	Per Hour	845.00
306	PM-005	Bitumen emulsion pressure distributor	Sq.m/h	1750	Per Hour	950.00
307	PM-006	Concrete mixer 0.28 cum /0.4 cum	Cu.m/h	2.50	Per Hour	200.00
308	PM-007	Crane 3 tonne capacity			Per Hour	300.00
309	PM-007	Crane 5 Tonne capacity			Per Hour	400.00
310	PM-007	Crane 8 Tonne capacity			Per Hour	500.00
311	PM-007	Crane 10 Tonne capacity			Per Hour	500.00
312	PM-007	Crane 15 Tonne capacity			Per Hour	550.00
313	PM-007	Crane 20 Tonne capacity			Per Hour	600.00
314	PM-007	Crane 35 Tonne capacity			Per Hour	700.00
315	PM-007	Crane 40 Tonne capacity			Per Hour	750.00
316	PM-007	Crane 80 Tonne capacity			Per Hour	300.00
317	PM-007	Crane with grab 0.75 cum capacity			Per Hour	500.00
318		Compressor with guniting equipment along with accessories			Per Hour	450.00
319	PM-008	Dozer, D-50 Dozer D-50		100 200	Per Hour	1850.00 3700.00
320	PM-011	Front Eact loader 1 cum bucket capacity @ 45 cum/hour	Cum/hour	45/100	Per Hour	787.00
321	PM-009	Electric Generator set 125 KVA	KVA	100	Per Hour	670.00
322	PM-009	Electric Generator set 100 KVA	KVA		Per Hour	450.00
323	PM-009	Electric Generator set 63 KVA	KVA	50	Per Hour	350.00
324	PM-009	Electric Generator set 33 KVA	KVA		Per Hour	300.00
325	PM-010	Emulsoin sprayer with tractor			Per Hour	700.00
326	PM-013	Hydraulic excutor of 1 cum	Cum/h	100	Per Hour	1100.00

		bucket	our			
327	PM-012	Hydraulic boom with tractor	Sqm/hour	1250	Per Hour	320.00
328	PM-014	Hydraulic self propelled chips spreader	Sqm/hour	1500	Per Hour	2460.00
329		Piling rig with Batonite Pump	Rm/hour	2 to 3	Per Hour	4500.00
330		Pneumatic sinking plant	Cu.m/hour	1.5 to 2	Per Hour	3400.00
331	PM-015	Jack hammer with tractor	Cu.m/hour	0.5 to 1.0	Per Hour	1353.00
332		Prestressing jack with pump and access			Per Hour	100.00
333	PM-016	Joint cutting machine with 2-3 blades			Per Hour	720.00
334	PM-024	Smooth wheeled tandem roller 8-10 tonne	Cu.m/hour	70.25	Per Hour	745.00
335	PM-017	Mixall 6 to 10 tonne capacity	T/hour	8.00	Per Hour	1450.00
336	PM-018	Motor grader	Cu.m/hour	200	Per Hour	2230.00
337	PM-018	Motor grader/scarifier	Cu.m/hour	50	Per Hour	1350.00
338	PM-019	Needle vibrator	Cu.m/hour	3.50	Per Hour	55.00
339	PM-020	Paver finisher	T/hour	75	Per Hour	2480.00
340	PM-021	Plate compactor	Cu.m/hour		Per Hour	55.00
341	PM-022	Plate vibrator	Cu.m/hour		Per Hour	55.00
342		Welding charges by gas plant.			Per Cum	3.00
343		Welding charges by electric plant			Per cum	2.00
344		Sawing charges of wood from sleeper to scantling			Per Cum	420.00
345		Sawing charges of wood from sleeper to planks			Per cum	580.00
346		Hire charges for blow lamp			Per Day	5.00
347		Hire charges of spray painting machine			Per day	50.00
348	PM-023	Screed vibrator	Cum/hour		Per Hour	55
349	PM-025	Stone crusher (integrated) 200 TPH.	T/hour	200	Per Hour	2200
350	PM-026	Three wheeled static roller 80-100 KN	Cum/hour	80/70	Per Hour	420
351	PM-027	Tipper 5.5 cum/10 tonne capacity	Cum/tr	5.50	Per Hour	275

			ip			
352	PM-028	Tractor with disc horrows	Cum/hour	80	Per Hour	390
353	PM-029	Tractor with ripper @ 60 cu.m per hour	Cum/hour	60	Per Hour	355
354	PM-030	Tractor with trolley	T/trip	3 to 5	Per Hour	345
355	PM-031	Tractor with rotavator	Cum/hour	25	Per Hour	390
356	PM-032	Truck 10 tonne capacity	Cum/trip	5.50	Per Hour	275 or 2200/day
357	PM-033	Vibrator roller 80/100KN	Cum/hour	100/50	Per Hour	1390
358	PM-034	Water tanker truck mounted 6 KL capacity	Litre/hour	12000	Per Hour	295
359		Batching and mixing plant 30 cum. Capacity (concrete mixing)	Cum/hour	20	Per Hour	1840
360	PM-035	Wet mix plant (pug mill)	Cum/hour	25	Per Hour	1050
361		Mastic cooker	Cum/hour		Per Hour	50
362		Concrete pump of 45 and 30 cum capacity	Cum/hour	33	Per Hour	210
363		Transit mixer 4.0 to 14.5 cum	Cum/hour	4.5	Per Hour	770
364		Air compressor with pneumatic chisel attachment for cutting hard clay			Per Hour	300
365		Boat to carry at least 20 persons			Per Hour	300
366		Tractor trailer 30 tonne capacity			Per Hour	1200
		Tractor trailer 30 tonne capacity			Per Tonne/km	5

CHAPTER – IV
MORTARS

Chapter IV

MORTARS

Notes : -

1. These rates are exclusive of contractor's profit and overheads but include octroi, royalty etc.
2. Water charges have been allowed on the cost of the Mortar under basic rates but this has been allowed in the Analysis of complete item in which these Mortars are used.
3. The Analysis of rates containing lime are based on the use of lime in form of putty; where dry hydrated lime is used, the analysis shall be suitably modified as per relevant specifications.

CHAPTER-IV**MORTAR**

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
LIME MORTAR					
0401	lime mortar1:1 (1 lime putty :1 sand)	CU.M.	358.15	3023.45	
0402	lime mortar 1:2 (1 lime putty:2sand)	CU.M.	358.15	2358.20	
0403	lime mortar1:3 (1 lime putty:3sand)	CU.M.	358.15	2025.45	
LIME SURKHI MORTAR					
0404	lime surkhi mortar 1:1 (1 lime putty:1 surkhi)	CU.M.	358.15	3087.80	
0405	lime surkhi mortar 1:2 (1 lime putty: 2 surkhi)	CU.M.	358.15	2444.30	
0406	lime surkhi mortar 1:3 (1 lime putty :3 surkhi)	CU.M.	358.15	2122.40	
0407	lime surkhi mortar 1:1:1 (1 lime putty:1 sand :1 surkhi)	CU.M.	358.15	2405.75	
0408	lime surkhi mortar 1:1:2 (1 lime putty:1 surkhi:2 sand)	CU.M.	358.15	2058.25	
CEMENT MORTAR					
0409	cement mortar 1:1 (1 cement :1 sand)	CU.M.	128.35	5564.30	
0410	cement mortar 1:2 (1 cement :2 sand)	CU.M.	128.35	3973.85	
0411	cement mortar 1:3 (1 cement :3 sand)	CU.M.	128.35	3178.80	
0412	cement mortar 1:4 (1 cement :4 sand)	CU.M.	128.35	2528.15	
0413	cement mortar 1:5 (1 cement:5 sand)	CU.M.	128.35	2177.80	

MORTAR

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
0414	cement mortar 1:6 (1 cement :6 sand)	CU.M.	128.35	1877.50	
0415	cement mortar 1:7 (1 cement :7 sand)	CU.M.	128.35	1727.35	
0416	cement mortar 1:8 (1 cement :8 sand)	CU.M.	128.35	1577.20	

CEMENT LIME MORTAR

0417	cement lime mortar 1:1:3 (1 cement:1 lime putty:3 sand)	CU.M.	358.15	3746.70	
0418	cement lime mortar 1:1:4: (1 cement:1 lime putty :4 sand)	CU.M.	358.15	3637.90	
0419	cement lime mortar 1:1:5 (1 cement :1 lime putty :5 sand)	CU.M.	358.15	3106.25	
0420	cement lime mortar 1:1:6 (1 cement:1 lime putty:6 sand)	CU.M.	358.15	2692.70	
0421	cement lime mortar 1:1:7 (1 cement: 1 lime putty :7 sand)	CU.M.	358.15	2459.80	
0422	cement lime mortar 1:1:8 (1 cement:1 lime putty :8 sand)	CU.M.	358.15	2241.95	
0423	cement lime mortar 1:1:9: (1 cement 1:lime putty :9 sand)	CU.M.	358.15	2094.15	
0424	cement lime mortar 1:1:10: (1 cement 1:lime putty:10 sand)	CU.M.	358.15	1954.05	
0425	cement lime mortar 1:2:9: (1 cement:2 lime putty:9 sand)	CU.M.	358.15	2489.10	
0426	cement lime mortar 1:3:12 (1 cement:3 lime putty:12 sand)	CU.M.	358.15	2386.60	
0427	mud mortar:	CU.M.	127.50	380.60	

CHAPTER – V
LOADING AND UNLOADING

Chapter V

LOADING AND UN-LOADING

Notes : -

1. The rates given below have been worked out for loading/un-loading of materials by engaging Departmental labour. The rates are applicable for loading/un-loading of materials from non- tipping trucks/railway wagons. As far as possible, the Engineer-In-Charge should ensure that unloading of wagons is carried out by Departmental labour. However, where effective utilization of the Departmental labour is not possible and further the exigencies of a particular situation demand the un-loading of materials from railways wagons at inconvenient the Engineer-In-Charge is authorised to get the un-loading done at the market rates.
2. The rates on un-loading the materials, like sand, stone blast etc. from tipping trucks shall be reduced by 50%. There shall however be no reduction in rates for loading.
3. Where the lead for loading and un-loading is more than the lead specified in the rates, this shall be paid at the carriage rates worked out on the basis of the most economic mode of transport and paid at the carriage rates applicable.
4. The rates include the loading of materials in truck in such a way so that no harm accrues to the loaded materials and further there is full utilization of the available space in the truck/wagon.
5. The rates do not include the stacking of the un-loaded materials except where specified. The rates for stacking shall be paid for the various materials as enumerated in items Nos. 0514U to 0518U.
6. The rate do not account for any special arrangement such as provision of mechanical equipment for loading/un-loading purposes. The un-loading of heavy machinery or consignments requiring. Crane work or any other special arrangement will be done departmentally or paid for on the merits of the individual case.
7. The unit rates are applicable for net quantity of the materials loaded/un-loaded.
8. The contractor's profit and overhead charges have not been allowed on these rates but the same has been allowed in the analysis of complete items where it containing these charges.

CHAPTER-V

Loading and unloading

ITEM CODE	ITEM NAME	UNIT	RATE	REMARKS
0501L	loading in the wagons/non-tipping trucks within 20 mtrs.lead. stones(building or pitching)spalls brick,bats,brick ballast,stone metal etc.	CUM.	61.85	
0501u	unloading from wagons/non-tipping trucks within 20 mtrs. stone (building or pitching)spalls brick bats,brick ballast,stone metal etc.	CUM.	21.00	
0502L	loading in the wagons/non-tipping trucks within 20 mtrs.lead. coal	QTL.	40.85	
0502u	unloading from wagons/non-tipping trucks within 20 mtrs.lead. coal	QTL.	40.85	
0503L	loading in the wagons/non-tipping trucks,within 20 mtrs.lead. bricks	1000 NOS.	102.65	
0503u	Unloading from wagons/non-tipping trucks within 20 mtrs.lead. bricks	1000 NOS.	102.65	
0504L	loading in the wagons/non-tipping trucks within 20 mtrs.lead. cement bags(including stacking)	(50KG.) EACH	0.95	
0504u	Unloading from wagons/non-tipping trucks within 20 mtrs.lead. cement bags(including stacking)	(50KG.) EACH	0.95	
0505L	loading in the wagons/non-tipping trucks within 20 mtrs.lead. lime in bulk/bags(including stacking for bags.	QTL.	3.95	
0505u	Unloading from wagons/non-tipping trucks within 20 mtrs.lead. lime in bulk/bags(including stacking for bags)	QTL.	3.95	

Loading and unloading

ITEM CODE	ITEM NAME	UNIT	RATE	REMARKS
0506L	loading in the wagons/Non-tipping trucks within 20 mtrs.lead. structural steel G.I,C.C.,R.C.C. pipes upto 500 mm diametre and special,C.I.manholes,cover,steps other casting and ancillary items like lead,hamps,rope etc.	TONNE	61.85	The rates may be increased by 50 % for pipes of dia greater than 500mm &upto 1200mm
0506u	unloading from wagons/non-tipping trucks within 20 metre lead. structural steel G.I,C.I.,C.C.,R.c.c.pipes upto 500 mm.diameter and special,C.I.manholes,covers,steps, other casting and ancillary items like lead,hemp,rope etc.	TONNE	40.85	
0507l	loading in the wagons/non-tipping trucks within 20 mtrs.lead. Timber sleeper (standard size)	100 NOS.	204.15	
0507u	Unloading from wagons/non-tipping trucks within 20 mtrs.lead. Timber sleepers(Standard size)	100 NOS.	152.85	
0508L01	loading in the wagons/non-tipping trucks within 20 mtr.lead. packages containing materials other than machinery (i)Heavy (above 1 tonne)	TONNE	102.65	
0508u01	Unloading from wagons/non-tipping trucks within 20 mtr.lead. packages containing materials other than machinery. (i) heavy(above 1 tonne)	TONNE	102.65	

Loading and unloading

ITEM CODE	ITEM NAME	UNIT	RATE	REMARKS
0508L02	loading in the wagons/non-tipping trucks within 20 mtr.lead. (ii)medium (1/2 tonne to 1 tonne)	TONNE	81.65	
0508u02	Unloading from wagons/non-tipping trucks within 20 mtr.lead. (ii)medium(1/2 tonne to 1 tonne)	TONNE	81.65	
0508L03	loading in the wagons/non-tipping trucks within 20 mtrs.lead. (iii)light less than 1/2 tonne and more than 25 kg.i/c stacking)	TONNE	61.85	
0508u03	Unloading from wagons/non-tipping trucks within 20 mtr.lead. (iii) light(less than 1/2 tonne and more than. 25 kg.i/c stacking)	TONNE	61.85	
0509L	loading in the wagons/non-tipping trucks within 20 mtr.lead. small packages of stores(bulky or nonbulky)upto 25 kg including stacking.	QTL.	3.95	
0509u	Unloading from wagons/non-tipping trucks within 20 mtrs.lead. small packages of stores(bulky or nonbulky)upto 25 kg including stacking.	QTL.	3.95	
0510L	loading in the wagons/non-tipping trucks within 20 mtrs.lead. Machinery	TONNE	204.15	
0510u	Unloading from wagons/non-tipping trucks within 20 mtr.lead. Machinery	TONNE	204.15	
0511L	loading in the wagons/non-tipping trucks within 20 mtr.lead. Ballies upto 210 mm girth and upto 6 mtr.length.	100 NOS.	102.65	
0511u	Unloading from wagons/non-tipping trucks within 20 mtr.lead. Ballies upto 210 mm girth and upto 6 mtr.length.	100 NOS.	81.65	

Loading and unloading

ITEM CODE	ITEM NAME	UNIT	RATE	REMARKS
0512L	loading in the wagons/non-tipping trucks within 20 mtr.lead. Bitumen	TONNE	21.00	
0512u	Unloading from wagons/non-tipping trucks within 20 mtr.lead. Bitumen	TONNE	11.65	
0513L01	loading in the wagons/non-tipping trucks within 20 mtr.lead. barrels containing materials like petrol,diesel,kerosene oil i/c checking and weighing: (i)10 litres capacity:	100 NOS.	61.85	
0513u01	Unloading from wagons/non-tipping trucks within 20 mtr.lead. barrels containing materials like petrol,diesel,kerosene.l/c checking and weighing (i)10 litres capacity	100 NOS.	61.85	
0513L02	loading in the wagons/non-tipping trucks within 20 metres lead. (ii) 20 litres capacity	100 NOS.	122.50	
0513u02	Unloading from wagons/non-tipping trucks within 20 mtr.lead. (ii)20 litres capacity	100 NOS.	122.50	
0513L03	loading in the wagnos/non-tipping trucks within 20 mtr.lead. (iii)200 litres capacity(i/c stacking.	EACH	10.05	
0513u03	Unloading in the wagons /non-tipping trucks within 20 mtr. lead. (iii)200 litres capacity i/c stacking	EACH	10.05	
0514u	Stacking within 20 mtrs.of the unloading point into stacks of specified size. pitching,stones,spalls,bricks-batsbuilding			

Loading and unloading

ITEM CODE	ITEM NAME	UNIT	RATE	REMARKS
	stones,ballast,stone metal,coal or shingle	CUM.	30.35	
0515u	Stacking within 20 mtrs.of the un-loading point into stacks of specified size. bricks	1000 NOS.	61.85	
0516u	Stacking within 20 mtrs.of the un-loading point into stacks of specified sizes. timber	CUM.	15.15	
0517u	stacking within 20 mtrs.of the unloading point into stacks of specified size. steel	TONNE	61.85	
0518u	Stacking within 20 mtrs.of the unloading point into stacks of specified size. Bitumen	Per DRUM	2.00	

CHAPTER – VI
CARRIAGE OF MATERIAL

Chapter VI

CARRIAGE OF MATERIAL BY MANUAL LABOUR INCLUDING LOADING, UN-LOADING AND STACKING

Notes : -

1. (a) The distance shall be measured in units of 50 meters upto 1 km. and in units of 1/2 km. for distance beyond 1 km.
(b) The units of distance more than 25 meters but less than 50 meters shall be taken as 50 meters (upto a total distance of 1 km.) and the distance less than 20 meters shall be ignored. Similarly the units of distance more than 1/2 km. but less than 1 km. shall be taken as 1 km. and the distance less than 1/2 km. shall be ignored for distance more than 1 km.
2. Unless otherwise stated, the carriage rates include loading and un-loading.
3. The payment shall be made on the basis of length of route most practicable and most economical. This shall be decided by the Engineer-in-charge as per site conditions.
4. The unit rates are applicable to net quantities.

CHAPTER VI

**CARRIAGE OF MATERIALS BY MANUA LABOUR INCLUDING LOADING AND STACKING LIGHT MATERIALS.
DATA SHEETS FOR RATES**

Code	Materials	Unit	For 1st 50 mtrs	For every add. lead of 50 mtrs or part there of beyond 50 mtrs. upto 0.50 k.m.	For 100 mtrs.	For k.m.	Beyond 1 k.m. per every 1/2 k.m.
1	2	3	4	5	6	7	8
0601010101	lime	1 cum	30.68	12.80	43.48	273.48	136.94
0601010102	moorum	1cum	30.68	12.80	43.48	273.48	136.94
0601010103	building rubbish	1 cum	30.68	12.80	43.48	273.48	136.94
0601010104	surkhi	1 cum	30.68	12.80	43.48	273.48	136.94
0601010105	Mud dry	1 cum	30.68	12.80	43.48	273.48	136.94
0601010200	earth work	1 cum	38.35	16.00	54.35	342.35	171.18
0601010300	manure or sludge	1 cum	33.35	13.91	47.26	297.64	148.82

1	2	3	4	5	6	7	8
0601010400	excavated rock	1 cum	61.36	25.60	86.96	547.76	273.88
0601020100	Sand,stone aggregate below 40 mm nominal size	1 cum	38.35	16.00	54.35	342.35	171.18
0601020200	Stone aggregate 40mm nominal size and above building stone	1 cum	41.46	17.30	58.75	370.16	185.08
0601020300	Soling stone,stone blocks and stone for filling crates	1 cum	38.35	16.00	54.35	342.35	171.18
0602000000	Bricks	1000 No	71.59	29.87	101.45	639.12	319.56
0603000000	Brick Tiles	1000 Nos	44.74	18.67	63.41	399.47	199.74
0604000000	Steam Coal	1 Tonne	35.79	14.93	50.72	319.46	159.73
0605000000	Slates.	1000 No	13.42	5.60	19.02	119.82	59.91
0606000000	Terrazo Tiles	1000 No	71.59	29.87	101.46	639.12	319.56
0607000000	StoneBlocks,G.I,CC.pipes below 100mmdia &other heavy material	1 Tonne	23.34	9.74	33.08	208.40	104.20

1	2	3	4	5	6	7	8
0608000000	Cement.	1 Tonne	23.34	7.86	31.20	172.68	86.34
0609000000	Steel including C.G.I. and asbestos sheets.	1 Tonne	39.77	18.07	57.85	383.10	191.55
0610000000	Timber	1 Cum	25.57	10.67	36.25	228.30	114.15
0611000000	Tar, Bitumen etc.	1 Tonne	23.34	9.74	33.08	208.40	104.20
0612010000	S.W.pipes "80 mm to100 mm dia	100m.	46.73	19.50	66.23	417.23	208.62
0612020000	150 mm dia	100m.	76.81	32.05	108.86	685.76	342.88
0612030000	200 mm dia	100m.	107.49	44.84	152.33	959.45	479.73
0612040000	230 mm dia.	100m.	137.67	57.44	195.11	1229.03	614.52
0612050000	250 mm dia.	100m.	178.97	74.67	253.64	1597.70	798.85
0612060000	300 mm dia.	100m.	255.67	106.67	362.34	2282.40	1141.20

1	2	3	4	5	6	7	8
0612070000	350 mm dia.	100m.	357.94	149.33	507.27	3195.21	1597.61
0612080000	400 mm.dia.	100m.	447.43	186.67	634.10	3994.16	1997.08
0612090000	450 mm.dia.	100m.	542.33	226.26	768.59	4841.27	2420.64
0612100000	500 mm dia.	100m.	662.85	276.54	939.39	5917.11	2958.55
0612110000	600mm. dia.	100m.	813.50	339.39	1152.89	6922.52	3461.26
0613010000	Concrete,R.C.C.Hume,Steel pipe 100 mm. dia.	100m.	63.09	26.32	89.41	563.17	281.59
0613020000	125 mm. dia.	100m.	77.20	32.21	109.41	689.19	344.60
0613030000	150 mm.dia.	100m.	88.89	37.09	125.98	793.60	396.80
0613040000	200 mm. dia.	100m.	133.39	55.65	189.04	1190.74	595.37
0613050000	250mm. dia.	100m.	234.46	97.82	332.28	2093.04	1046.92
0613060000	300 mm. dia.	100m.	293.39	122.40	415.79	2618.99	1309.50

1	2	3	4	5	6	7	8
0613070000	350 mm.dia.	100m.	419.46	175.00	594.46	3744.46	1872.23
0613080000	400 mm.dia.	100m.	488.10	203.64	691.74	4357.26	2178.63
0613090000	450 mm,500mm dia.	100m.	650.80	271.52	922.32	5809.68	2904.84
0613100000	600mm, 700mm, 750mm,and800mr Dia.	100m.	715.88	298.67	1014.55	6390.61	3195.31
0613110000	900mm, 1000mm, 1100mm and 1200mm.dia.	100m.	859.06	358.40	1217.46	7668.66	3834.33
0614010000	Asbestos cement pipes. 50 mm. dia.(5032pipes 2M lenth	100m.	10.67	4.45	15.12	95.22	47.61
0614020000	80mm.dia(1630 pipes 2M lenth)	100m.	29.34	12.24	41.58	261.9	130.95
0614030000	100 mm.dia(1281 pipes 2M lenth	100m.	41.91	17.49	59.40	374.22	187.11
0614040000	125 mm dia(1100 pipes 2M lenth	100m.	48.81	20.36	69.17	435.65	217.83
0614050000	150mm.dia(915 pipes 2M lenth)	100m.	58.68	24.48	83.16	523.80	261.90

1	2	3	4	5	6	7	8
0614060000	200mm.dia(800 pipes 2M lenth)	100m.	67.11	28.00	95.11	599.11	299.56
0614070000	250mm.dia.(700 pipes 2M lenth)	100m.	76.70	32.00	108.70	684.70	342.35
0614080000	300mm.dia(600 pipes 2M lenth)	100m.	89.49	37.33	126.82	798.76	399.38

CHAPTER VI (II)

CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT

NOTES :

1. (a) The distance less than 1 Km shall be assumed as 1 Km for the first kilometre, all other distances shall be rounded off to the nearest kilometre.
(b) Unless otherwise stated, the carriage rates include loading, unloading and stacking with in a lead of 10 metres for the purposes of measurement.
2. The rates are applicable for carriage on metalled roads.
3. For carriage of material on katcha roads, 20% extra on the basis rate of the Km/Kms concerned should be paid.
4. For carriage of length above 6 metres of heavy steel sections like Rolled steel joists, rails, channels etc, which can not be easily bent, the carriage rates shall be increased by 50%.
5. The mode of carriage whether by manual labour, Animal Transport or Mechanical Transport shall be decided on the basis of economy and expediency and on the merits of individual case by the Engineer-in-charge after taking into consideration all the factors. The carriage of materials by private contractors / agencies can be got done by the Engineer-in-charge only after approval by the Superintending Engineer. The rates should in no case be more than the rates laid down by Himachal Road Transport Corporation.
6. The rates are applicable for net quantities i.e. quantities after deduction of voids where ever applicable.

CHAPTER-VI

II-CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT INCLUDING LOAD ING AND UNLOADINGAND STACKING

Code	Materials	Unit	1 km	2 km	3 km	4 km	5 km	Bey 5 km upto 10 km	Bey 10 km upto 20 km per km	Beyond 20 km per addi- tional 1 km
1	2	3	4	5	6	7	8	9	10	11
0601010101	Lime	1 Cum.	92.45	106.00	119.45	132.50	144.85	11.40	9.35	7.75
0601010102	Moorum	1 Cum.	92.45	106.00	119.45	132.50	144.85	11.40	9.35	7.75
0601010103	Building rubbish	1 Cum.	92.45	106.00	119.45	132.50	144.85	11.40	9.35	7.75
0601010104	Surkhi	1 cum	92.45	106.00	119.45	132.50	144.85	11.40	9.35	7.75
0601010105	Mud dry	1 cum	92.45	106.00	119.45	132.50	144.85	11.40	9.35	7.75
0601010200	Earth work	1 Cum	115.55	132.55	149.30	165.60	181.05	14.25	11.70	9.65
0601010300	Manure or sludge	1 Cum.	100.50	115.25	129.85	144.00	157.45	12.35	10.15	8.40
0601010400	Excavated Rocks.	1 Cum.	184.90	212.05	238.90	264.95	289.70	22.75	18.70	15.45
0601020101	Sand	1 Cum.	110.95	127.25	143.35	158.95	173.85	13.65	11.25	9.30
0601020102	Stone aggregate below 40mm.	1 Cum.	110.95	127.25	143.35	158.95	173.85	13.65	11.25	9.30

1	2	3	4	5	6	7	8	9	10	11
	Nominal size.									
0601020201	Stone aggregate above 40mm.	1 Cum.	120.05	137.70	155.15	172.05	188.10	14.80	12.15	10.05
0601020202	Building stones.	1 Cum.	120.05	137.70	155.15	172.05	188.10	14.80	12.15	10.05
0601020300	Soling stone and filling crate	1 Cum.	130.50	149.70	168.65	187.00	204.50	16.10	13.20	10.05
0602000000	Bricks.	1000 Nos	277.35	318.10	358.35	397.45	434.55	34.15	28.10	23.20
0603010000	Bricks tiles.	1000 Nos	173.35	198.80	223.95	248.40	271.60	21.35	17.55	14.50
0603020000	Terrazo tiles.	1000 Nos	221.90	254.45	286.70	317.95	347.65	27.30	22.45	18.55
0604000000	Cement,G.I.,C.I.,A.C.,C.C.pipe and other heavy materal	1 Tonne	73.95	84.80	95.55	106.00	115.90	9.10	7.50	6.20
0605000000	Steel,C.G.I.& Asbestos sheets.	1 Tonne	73.95	84.80	95.55	106.00	115.90	9.10	7.50	6.20
0606000000	Slates.	1000 Nos	38.40	44.00	49.60	55.00	60.15	4.75	3.90	3.20
0607000000	Timber.	1 Cum.	110.95	127.25	143.35	158.95	173.85	13.65	11.25	9.30
0608000000	Tar Bitumen.	1 Tonne	123.25	141.35	159.25	176.65	193.15	15.20	12.50	10.30
0609000000	Steam Coal.	1 Tonne	100.85	115.65	130.30	144.50	158.00	12.40	10.20	8.45
0610010000	S.W.pipes (1) 80 mm.dia.	100 Mtrs	77.05	88.35	99.95	110.40	120.70	9.50	7.80	6.45
0610020000	S.W.pipes 100 mm.dia.	100 Mtrs	115.55	132.55	149.30	165.60	181.05	14.25	11.70	9.65
0610030000	S.W.pipes 150 mm.dia.	100 Mtrs	231.15	265.05	298.60	331.20	362.15	28.45	23.40	19.35

1	2	3	4	5	6	7	8	9	10	11
0610040000	S.W.pipes 200 mm.dia.	100 Mtrs	410.90	471.20	530.90	588.80	643.80	50.60	41.60	34.35
0610050000	S.W.pipes 230 mm.dia.	100 Mtrs	528.30	605.85	682.55	757.00	827.75	65.05	53.50	44.20
0610060000	S.W.pipes 250 mm.dia.	100 Mtrs	660.35	757.30	853.20	946.25	1034.65	81.30	66.85	55.25
0610070000	S.W.pipes 300 mm.dia.	100 Mtrs	840.45	963.85	1085.90	1204.30	1316.85	103.50	85.05	70.30
0610080000	S.W.pipes 350 mm.dia.	100 Mtrs	1155.60	1325.30	1493.10	1655.95	1810.70	142.30	117.00	96.65
0610090000	S.W.pipes 400 mm.dia.	100 Mtrs	1680.90	1927.70	2171.80	2408.60	2633.70	206.95	170.15	140.60
0610100000	S.W.pipes 450 mm.dia.	100 Mtrs	2054.45	2365.10	2654.40	2943.90	3219.00	252.95	207.95	171.85
0610110000	S.W. pipes 500 mm.dia.	100 Mtrs	2311.30	2650.65	2986.15	3311.90	3621.40	280.40	233.95	193.35
0610120000	S.W.pipes 600 mm.dia.	100 Mtrs	3081.70	3534.15	3981.60	4415.85	4828.50	379.45	311.95	257.80
0611010000	R.C.C,A.C.,Hume & steel pipes 80 mm.dia.	100 Mtrs	168.40	193.10	217.55	241.30	263.85	20.75	17.05	14.10
0611020000	RCC,AC & Steel pipe.100 mm dia	100 Mtrs	189.45	217.25	244.75	271.45	296.85	23.35	19.20	15.85
0611030000	RCC,AC&Steel pipe.125 mm.dia.	100 Mtrs	252.60	289.70	326.35	361.95	395.80	31.10	25.55	21.15
0611040000	RCC,AC & Steel pipe.150 mm di	100 Mtrs	303.10	347.60	391.65	434.35	474.95	37.30	30.70	25.35
0611050000	RCC,AC & Steel pipe.200 mm dia	100 Mtrs	505.20	579.35	652.70	723.90	791.55	62.20	51.15	42.25
0611060000	RCC,AC & steel pipe.250 mm.dia	100 Mtrs	688.90	790.05	890.10	987.15	1079.40	84.80	69.75	57.65
0611070000	RCC,AC, Hume & steel pipes 300 mm.dia.	100 Mtrs	891.55	1022.40	1151.85	1277.50	1396.85	109.75	90.25	74.55

1	2	3	4	5	6	7	8	9	10	11
0611080000	RCC,AC, Hume & steel pipes 350 mm.dia.	100 Mtrs	1263.00	1448.45	1631.80	1809.80	1978.90	155.50	127.85	105.65
0611090000	RCC,AC, Hume & steel pipes 400 mm.dia.	100 Mtrs	1684.00	1931.25	2175.75	2413.00	2638.50	207.35	170.45	140.85
0611100000	450/500 mm.dia.	100 Mtrs	2165.15	2483.00	2797.40	3102.45	3392.40	266.60	219.15	181.10
0611110000	600,700,750,&800 mm.dia.	100 Mtrs	3031.20	3476.25	3916.35	4343.45	4749.35	373.20	306.85	253.55
0611120000	900,1000,1100,and 1200 mm.dia	100 Mtrs	5042.80	5783.20	6515.35	7225.90	7901.20	620.90	510.45	421.80

CHAPTER-VI
CARRIAGE OF MATERIALS BY ANIMAL TRANSPORT (BY MULES)

Notes : -

1. The carriage by Animal transport shall be restored to only where it is not possible to use manual labour/mechanical transport. It may be further ensured that the cheapest mode of transport by Animal transport is used depending upon the topographical features and the availability of animals.

2. The rates are applicable for net quantities after deduction of voids where applicable.

CHAPTER-VI

II-CARRIAGE OF MATERIALS BY ANIMAL TRANSPORT(BY MULES) INCLUDING LOADING AND UNLOADING

Code	Materials	Unit	1 km	2 km	3 km	4 km	5 km	Beyond 5 km per km increase
1	2	3	4	5	6	7	8	9
0601010101	lime	1 Cum.	242.25	429.75	618.45	805.95	991.65	187.50
0601010102	Moorum.	1 Cum.	242.25	429.75	618.45	805.95	991.65	187.50
0601010103	Building rubbish.	1 Cum.	242.25	429.75	618.45	805.95	991.65	187.50
0601010104	Surkhi	1 Cum.	242.25	429.75	618.45	805.95	991.65	187.50
0601010200	Earth.	1 Cum.	344.90	611.85	880.50	1147.45	1411.85	266.95
0601010300	Manure or sludge.	1 Cum.	423.95	752.10	1082.30	1410.40	1735.40	328.15
0601010400	Excavated rock.	1 Cum.	969.05	1719.05	2473.80	3223.80	3966.65	750.00
0601020101	Sand.	1 Cum.	484.50	859.50	1236.90	1611.90	1983.35	375.00
0601020102	Stone aggregate below 40 mm. nominal size.	1 Cum.	484.50	859.50	1236.90	1611.90	1983.35	375.00
0601020201	Stone aggregate 40 mm nominal size.	1 Cum.	521.80	925.65	1332.05	1735.90	2135.90	403.85

1	2	3	4	5	6	7	8	9
0601020202	Building stone.	1 Cum.	521.80	925.65	1332.05	1735.90	2135.90	403.85
0601020300	Soling stone.	1 Cum.	565.28	1002.80	1443.30	1880.55	2313.90	437.50
0602000000	Cement,stoneblocks CI,AC,& CC pipes & other heavy materials.	1 Tonne	203.50	361.00	519.50	677.00	833.00	157.50
0603000000	Steel (10% extra on the above rate)	1 Tonne	203.50	361.00	519.50	677.00	833.00	157.50
0604000000	Wheat, rice and wheat Atta etc	1 Tonne	203.50	361.00	519.50	677.00	833.00	157.50

CHAPTER-VI
CARRIAGE OF MATERIALS BY ANIMAL TRANSPORT. (By donkey)

Notes:-

1. The carriage by Animal transport shall be restored to only where it is not possible to use manual labour/mechanical transport. It may be further ensured that the cheapest mode of transport by Animal transport is used depending upon the topographical features and the availability of animals.
2. The rates are applicable for net quantities after deduction of voids where applicable.

CHAPTER-V

II-CARRIAGE OF MATERIALS BY ANIMAL TRANSPORT(BY DONKEY) INCLUDING LOADING AND UNLOADING

Code	Materials	Unit	1 km	2 km	3 km	4 km	5 km	Beyond 5km per km increase
1	2	3	4	5	6	7	8	9
0601010101	Lime.	1 Cum.	445.25	810.70	1176.20	1540.50	1908.35	364.30
0601010102	Moorum.	1 Cum.	445.25	810.70	1176.20	1540.50	1908.35	364.30
0601010103	Building rubbish.	1 Cum.	445.25	810.70	1176.20	1540.50	1908.35	364.30
0601010200	Earth.	1 cum.	623.35	1135.00	1646.65	2156.65	2671.65	510.00
0601010300	Manure or sludge.	1 Cum.	779.15	1418.75	2058.35	2695.85	3339.60	637.50
0601010400	Excavated rock.	1 Cum.	1700.00	3095.45	4490.90	5881.80	7286.35	1390.90
0601010501	Sand.	1 Cum.	890.50	1621.45	2352.40	3080.95	3816.65	728.55
0601010502	Stone aggregate(below 40mm)	1 Cum.	890.50	1621.45	2352.40	3080.95	3816.65	728.55
0601010503	Soling stone.(Below 40mm.)	1 Cum.	890.50	1621.45	2352.40	3080.95	3816.65	728.55
0601010601	Stone aggregate 40 mm.nominal size and above.	1 Cum.	890.50	1621.45	2352.40	3080.95	3816.65	728.55
0601010602	Building stones.	1 Cum.	890.50	1621.45	2352.40	3080.95	3816.65	728.55

1	2	3	4	5	6	7	8	9
0601010700	Soling stone.	1 Cum.	1038.90	1191.65	2744.45	3594.45	4452.75	850.00
0601020000	Cement,stone block,GI,CI,AC & CC pipes &other heavy meterial	1 tonne	374.00	681.00	988.00	1294.00	1603.00	306.00
0603000000	Steel.	1 Tonne	374.00	681.00	988.00	1294.00	1603.00	306.00
0604000000	Wheat, rice & wheat Atta etc.	1 Tonne	374.00	681.00	988.00	1294.00	1603.00	306.00

CHAPTER-VI
CARRIAGE OF MATERIALS BY ANIMAL TRANSPORT (BY GOATS)

Notes :-

1. The carriage by Animal transport shall be resorted to only where it is not possible to use manual labour/mechanical transport. It may be further ensured that the cheapest mode of transport by Animal transport is used depending upon the topographical features and the availability of animals.
2. The rates are applicable for net quantities i.e. quantities after deduction of voids where applicable.

CHAPTER-VI

II-CARRIAGE OF MATERIALS BY ANIMAL TRANSPGE OF MATERIALS BY ANIMAL TRANSPORT (BY GOAT) INCLUDING LOAD ING AND UNLOADING

Code	Materials	Unit	1 km	2 km	3 km	4 km	5 km	Beyond 5 km per km increase
1	2	3	4	5	6	7	8	9
601010101	Lime.	1 Cum.	3928.55	7519.85	11091.30	14662.70	18313.50	3571.45
601010102	Moorum.	1 Cum.	3928.55	7519.85	11091.30	14662.70	18313.50	3571.45
601010103	Building rubbish.	1 Cum.	3928.55	7519.85	11091.30	14662.70	18313.50	3571.45
601010200	Earth.	1 Cum.	5500.00	9023.80	15527.80	20527.80	25638.90	5000.00
601010300	Manure or sludge.	1 Cum.	6875.00	13159.70	19409.70	25659.70	32049.60	6250.00
601010400	Excavated rock.	1 Cum.	15000.00	28712.10	42348.50	55984.85	69924.25	13636.35
601020101	Sand.	1 Cum.	7857.15	15039.70	22182.55	29325.40	36627.00	7142.85
601020102	Stone aggregate 40 mm nominal size and below.	1 Cum.	7857.15	15039.70	22182.55	29325.40	36627.00	7142.85
601020201	stone aggregate 40 mm nominal size and above.	1 Cum.	8684.20	16622.80	24517.55	32412.30	40482.45	7894.75
601020202	Building stone. (Ded. for voids 9.52 %).	1 Cum.	8684.20	16622.80	24517.55	32412.30	40482.45	7894.75

1	2	3	4	5	6	7	8	9
601020300	Soling stone(Ded. voids 14,2%	1 Cum.	9166.65	17546.30	25879.65	34212.95	42731.50	8333.35
601020000	Cement,stone blocks,GI,CI& AC pipes &, other heavy meterial.	1 Tonne.	1980.00	3790.00	5590.00	7390.00	9230.00	1800.00
603000000	Steel.	1 Tonne	1980.00	3790.00	5590.00	7390.00	9230.00	1800.00
604000000	Wheat, rice & wheat Atta etc.	1 Tonne	1980.00	3790.00	5590.00	7390.00	9230.00	1800.00

CHAPTER VII

EARTH WORK

CHAPTER VII

EARTH WORK

Notes. Measurement of Lead and Lift.

1. These shall be measured from the centre of gravity of the excavated earth to that of the placed earth. For such measurements, the earthwork proposed to be worked upon shall be demarcated in sections economically for placement of excavated earth. The mean lead and lift shall be calculated separately for such sections.

When earth has to be carried over a spoil bank and dumped beyond it, the mean lift would be the difference in level between the centre of gravity of the excavated earth and top of the spoil bank omitting the dowel.

The rate provided for additional leads are valid for distances upto 300 meters for disposals done manually. However, the most economical mode i.e. manual (including the use of wheel barrows), animal transport or mechanical transport shall be decided by the Engineer-in-Charge and paid as such according to relevant schedule of rates for manual, animal or mechanical transport.

2. These rates do not include the cost of pumping out of water which shall normally be done departmentally. Whenever work is to be got done by contract, the rate shall be settled before execution on the individual case.
3. The labour rates do not include the expenses on account of compressor.
4. The classification of earth work shall be done by the Engineer-in-Charge and the intermediate classification like P.J/J.B/P.J.B., etc. shall be paid proportionately.

CHAPTER-VII

EARTH WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	EXCAVATION				
07010000	Cutting in earth work and disposal of excavated earth upto a lead of 20 metres:-				
07010100	Spade Work:	cum	44.70		
07010200	Pick Work:-	cum	67.10		
07010300	Jumper Work:-	cum	137.50	163.50	
07010400	Blasting Work:				
07010401	Soft Rock	cum	102.85	206.70	
07010402	Hard Rock:	cum	132.55	291.45	
07010500	Chiselling/wedging out of rock where blasting is prohibited:				
07010501	Soft Rock:-	cum	320.85		
07010502	Hard Rock.	cum	481.40		
07020000	Excavation in earth work and disposal of all excavated earth upto a lead of 20 metres and lift upto 1.50 metres, disposed earth to be levelled and neatly dressed:				
07020100	Spade Work:	cum	55.00		
07020200	Pick Work:	cum	78.20		
07020300	Jumper Work:	cum	164.35	190.30	
07020400	Blasting Work:				
07020401	Soft Rock:	cum	129.70	233.55	
07020402	Hard Rock:	cum	172.85	331.70	
07020500	Chiselling/Wedging out of rock (where blasting is prohibited:				
07020501	Soft Rock.	cum	347.70		
07020502	Hard Rock.	cum	521.65		

EARTH WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
07030000	EXCAVATION FOR EMBANKMENTS OR FILLING DIPRESSION Excavation in earth work and banking in 20cm. layers including breaking clods, ramming and dressing ground for the purpose of making embankment or filling up ground depressions upto a lead of 20 metres and lift upto 1.50 metres:				
07030100	Spade Work:	cum	60.10		
07030200	Pick Work	cum	85.45		
07040000	EXCAVATION FOR FOUNDATIONS,DRAINS,CHANNELS,PIPES & CABLES Excavation in foundations, trenches etc., in earth work, lift upto 1.50 Metres stacking the eacavated soil not more than 3 metres clear from the edge of the excavation and then returning the stacked soil in 15cm. layers, when required in to plinths sides of foundations etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed with in a lead of 20 metres.				
07040100	Spade Work.	cum	94.25		
07040200	Pick Work.	cum	117.10		
07040300	Jumper Work:	cum	218.00	244.00	
07040400	Blasting Work.				
07040401	Soft Rock.	cum	169.95	280.80	
07040402	Hard Rock.	cum	216.45	387.65	
07040500	Chiselling/wedging out of rock where blasting is prohibited.				
07040501	Soft Rock.	cum	509.50		
07040502	Hard Rock : -----	cum	764.20		
07050000	Excavation in drains and channels etc. in earth work including dressing of side and bed and disposing of excavated earth upto a lead of 20 metres and lift upto 1.50 metres disposed earth to be levelled and neatly dressed:				
07050100	Spade Work:	cum	75.45		

EARTH WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
07050200	Pick Work.	cum	93.70		
07050300	Jumper Work.	cum	175.10	201.05	
07050400	Blasting Work.				
07050401	Soft Rock.	cum	138.70	249.50	
07050402	Hard Rock.	cum	177.25	348.45	
07050500	Chiselling/wedging out of rock (where blasting is prohibited).				
07050501	Soft Rock.	cum	459.35		
07050502	Hard Rock.	cum	673.80		
	FILLING EXCAVATED EARTH IN FOUNDATION TRENCHES AND PLINTH UNDER FLOOR AND SAND FILLING IN PLINTH				
07060000	Excavation in earth work and filling in 15 cm. layers in foundation and plinths including ramming, watering and consolidating upto a lead of 20 metres and lift upto a 1.5 metres.				
07060100	Spade Work.	cum	80.35		
07060200	Pick Work.	cum	87.15		
07070000	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete.	cum	45.60	580.70	
	LEAD				
07080000	Lead: Extra for a lead of 20 metres or part thereof for.				
07080100	Spade Work.	cum	6.05		
07080200	Pick Work.	cum	6.70		
07080300	Jumper Work:	cum	7.25		
07080400	Blasting Work.				
07080401	Soft Rock. -----	cum	7.80		
07080402	Hard Work: -----	cum	9.80		

EARTH WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
07080500	Chiselling/wedging out of rock (where blasting is prohibited)				
07080501	Soft Rock. -----	cum	7.80		
07080502	Hard Rock. -----	cum	9.80		
07090000	LIFT Extra for every additional lift of 1.50 metre or part thereof for:				
07090100	Spade Work. -----	cum	6.70		
07090200	Pick Work: -----	cum	7.40		
07090300	Jumper Work: -----	cum	12.05		
07090400	Blasting Work: -----				
07090401	Soft Rock. -----	cum	11.55		
07090402	Hard Rock: -----	cum	14.50		
07090500	Chieselling/Wedging out of rock (where blasting is prohibited).				
07090501	Soft Rock: -----	cum	11.55		
07090502	Hard Rock: -----	cum	14.50		
07100000	DRESSING Dressing the ground including cutting and filling upto 15 cm.				
07100100	Spade Work: -----	10 sqm	36.10		

JUNGLE CLEARANCE AND UPROOTING OF TREES

EARTH WORK

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
07110000	Clearing jungle including uprooting of rank vegetation, grass,brush wood, trees and saplings of girth upto 30 cm. measured at a height of 1 metre above ground and removal of rubbish upto a distance of 20 metres outside the periphery of the area cleared:				
07110100	Upto 30 cm Girth:	sq.m	4.35		
07110200	Felling trees of the girth (measured at a height of 1 metre above ground level) including cuttng of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable materials.				
07110201	Beyond 30 cm. girth and upto and including 60 cm. girth.	EACH TREE	82.60		
07110202	Beyond 60 cm girth and upto and including 120 cm. girth	EACH TREE	366.40		
07110203	Beyond 120 cm. girth and upto and including 240 cm girth.	EACH TREE	1696.80		
07110204	Above 240cm girth.	EACH TREE	3402.10		
	PLANKING AND STRUTTING FOR EARTH WORK IN EXCAVATION				
07120000	Open timbering in trenches including use of and waste of all necessary timber work including walls, struts,open poling boards/horizontal sheeting/runners etc. as may be necessary and fixing and removal complete (measurements to be taken of the face are timbered).				
07120100	Depth not exceeding 1.50 Metres.	sqm	1.50	87.60	
07120200	Depth exceeding 1.5 metres but not exceding 3 metres	sq.m	2.95	89.05	
07120300	Depth exceeding 3 metres upto 9 metres	Sq.mtr	5.40	91.50	
07130000	Close timbering in trenches including use and waste of all necessary timber work including walls, struts,close				

EARTH WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
07130100	poling boards/horizontal sheeting/runners etc. as may be necessary shoring and packing cavities wherever required and fixing and removal complete (measurements to be taken of the face area timbered). Depth not exceeding 1.5 metres:	sq.m	3.15	145.40	
07130200	Depth exceeding 1.5 metres but not exceeding 3 metres:	Sq.mtr	5.85	148.10	
07130300	Depth exceeding 3 metres upto 9 metres	sq.m	8.70	151.00	
07140000	REMOVAL OF SNOW Removal of snow: Removal of Snow from road surface height upto 1.5 metres:				
07140100	Fresh Snow.	cum	7.40		
07140200	Solidified Snow.	cum	73.10		
07150000	REMOVAL OF SLIPS Removal of slips in all kinds of soil (including saturated soil but excluding boulders and rocky portion requiring blasting upto a distance of 20 metres dosposing of un-serviceable materials, stacking serviceable materials and neatly dressing the surface.	cum	76.20		
07160000	Removal of boulders on rocky portion of slips (Where blasting is required) upto a distance of 20 metres disposing of un-serviceable materials, stacking serviceable materials and neatly dressing the surface.	cum	61.70	124.00	
07170000	Earth work in excavation of foundation trenches for structures (bridge works) complete i/c refilling trenches in 250mm layers, ramming and watering etc. and dressing of sides, bottom etc.including dewatering,shoring and shuttering complete.				
07170100	Ordinary Soil.				
07170101	Depth upto 3 Metres.	Cum.	134.15		
07170102	3 Metres to 6 Metres depth.	Cum	165.70		

EARTH WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
07170103	Above 6 Metres depth.	Cum.	214.65		
07170200	Hard Soil.				
07170201	Depth upto 3 Metres.	Cum.	177.10		
07170202	3 Metres to 6 Metres depth.	Cum.	226.40		
07170203	Above 6 Metres depth.	Cum	276.45		
07170300	Ordinary rock(not required blasting).				
07170301	If blasting is resorted to.	Cum	174.75	287.20	
07170302	If blasting is not resorted.	Cum.	514.60		
07170400	Hard rock (required blasting).	Cum	242.65	415.45	
07170500	Hard rock (blasting prohibited).	Cum.	771.85		

CHAPTER VIII
FORM WORK

CHAPTER VIII

FORM WORK

Notes.-

1. Unless otherwise stated, the labour rates include handling of all materials within 100meters.
2. These rates are applicable for form work comprised of ordinary timber planking unplanned so as to give a rough finish. In case the planks are planed so as to give a medium smooth finish, the labour rates shall be increased by 3% and through rates shall also be increased corresponding to this increase in the labour rates. In case the timber planking having special lining is used so as to give the exposed concrete work the textured or decorative even surface for architectural purposes, the labour and through rates shall be increased by 5%.
3. The rates are applicable to all conditions of working and at all floors. Nothing extra shall be payable on account of extra lift of materials involved. The rates shall include the cost of materials and labour for various operations involved such as:-
 - (a) Splayed edging and notching, allowances for overlaps and passing at angles, centering, shuttering, strutting, propping, bolting, nailing, wedging, easing, striking and removal.
 - (b) Filleting.
 - (c) Dressing with oil
 - (d) Raking or circular cutting.
4.
 - (a) The rate are applicable for four meters height of propping and centering below supporting floor. For heights between 4 meters to 7 meters extra rates as shown below shall be paid. These extra rates are exclusive of the cost of supporting brick/stone/C.C. pillars if required at site in case, these are used additional rates for these shall be paid after recovering the cost of salvaged material.
 - (b) For heights beyond 7 meters the additional wood work shall be paid as only 1/16th of the total cost of wood work involved and cost of supporting brick/stone C.C. pillars (if required at site) shall be paid after recovering the cost of salvaged material.
 - (c) The design of supporting structures for additional heights be evolved suitably by the Engineer-in-Charge. In case of centering and shuttering required for bridge works, the cost of special measures, if any, for diversion of river water for protecting the supporting structure shall be paid for separately.

CHAPTER-VIII

FORM WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
080100000	Providing from work of ordinary timber plankings so as to give a rough finish including centring,shuttering, strutting and propping etc. height of propping and centring below supporting floor to ceiling not exceeding 4 metres and removal of the same for insitu reinforced concrete and plain concrete work in:-				
0801010000	Foundations,footings,bases of columns etc. and mass concrete.	sq.m	47.65	331.25	
0801020000	Flat surfaces such as soffits of suspended floors,roofs landing and the like:				
0801020100	Floors etc. upto 200mm in thickness:	Sqm.	102.65	612.65	
0801020200	Floors etc. above 200mm in thickness.	sq.m	102.65	674.50	
0801030000	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillasters,buttresses,plinth and string courses and the like.	sq.m	84.30	393.95	
0801040000	Sloping or battering surfaces including folded plates.				
0801040100	Where inclination to horizontal plan does not exceed 30 degree requiring shuttering only on the under side.	sq.m	118.50	504.20	
0801040200	Where inclination to horizontal plan exceeds 30 Degree (where shuttering may be provided both on underside and upper side if required only the area of underside shall be measured for payment).	sq.m	196.80	863.80	
0801050000	Arches:-				
0801050100	Arches upto 6 metres span.	sq.m	265.50	1622.40	
0801050200	Arches exceeding 6 metres span.	sq.m	279.50	2157.45	

FORM WORK

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
0801060000	Columns,pillars,posts and struts.				
0801060100	Square,rectangular,polygonal in plan.	sq.m	128.40	516.00	
0801060200	Circular or curved in plan.	sq.m	162.15	711.70	
0801070000	Beams,cantilivers, girders and lintels				
0801070100	Sides and Soffits of beams, beam haunchings, cantiliver girders, bressumers and lintels not exceeding 1 Metre in depth:	sq.m	124.80	479.90	
0801070200	Sides and Sofits of beams, beams haunchings, cantilivers, girders,bressumers and lintels exceeding 1 metre depth:	sq.m	123.80	490.00	
0801080000	Edges of slabs and breaks in floors and walls:				
0801080100	Under 20 cm. wide.	Rmt.	20.60	101.50	
0801080200	Above 20 cm. wide:	R/Metre	20.70	129.35	
0801090000	Cornices and mouldings:	sq.m	57.80	778.20	
0801100000	Small surfaces such as cantiliver ends, bracket and ends of steps, caps and bases to pillasters and columns and the like:	sq.m	124.90	1429.30	
0801110000	Chullah hoods, weather shade, chajjas, corbels etc. including edges.	sq.m	96.20	557.50	
0801120000	Staircase with sloping or stepped soffits including riser and stringers excluding landing	sq.m.	129.75	410.90	
0801130000	Spiral stair cases.	sq.m	105.00	445.35	
0801140000	Chimneys and shafts.	sq.m	84.30	393.95	
0801150000	Well Steining:	sq.m	128.80	374.60	
0801160000	Vertical fins and vetical sun breakers:	sq.m	164.05	479.55	
0802000000	Extra for every additional height of propping and centring upto a height of 7 metre excluding bricks/stones/C.C. pillars for supports:	sq.m	10.20	83.00	
0803000000	Extra for providing form work with sheathing ply wood lining so as to give fair finish in:				
080301000a	Foundations,footings,bases of columns etc. and mass concrete:				

FORM WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
0803020000	Flat surfaces such as soffits of suspended floors, roofs landings and the like	sq.m	9.05	36.75	
0803020100	Floors etc. upto 200 mm in thickness:	sq.m	9.05	36.75	
0803020200	Floors etc. above 200 mm in thickness:	sq.m	9.05	36.75	
0803030000	Vertical surfaces such as walls, any thickness partitions and the like including attached pillasters buttresses, plinth and string courses and the like.	sq.m	9.05	36.75	
0803040000	Sloping battering surfaces including folded plates:	sq.m	9.05	36.75	
0803040100	where inclination to horizontal does not exceed 30 Degree requiring shuttering only to the under side.	sq.m	9.05	36.75	
080304020a	Where inclination to horizontal plan exceeds 30 degree degree (where shuttering may be provided both on under side and upper side if required) only area of under side shall be measured for payment.	Sqm.	34.90	199.35	
0803050000	Columns, pillars, posts and struts:	sq.m	9.05	36.75	
0803050100	Square, rectangular or polygonal in plan.	sq.m	26.15	79.50	
0803050200	Circular or curved in plan :	sq.m	9.05	36.75	
0803060000	Beams, cantilevers, girders and lintels.	sq.m	9.05	36.75	
0803060100	Sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth.	sq.m	9.05	36.75	
0803060200	Sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels exceeding 1 m in depth.	sq.m	9.05	36.75	
0803070000	Edges of slabs and breaks in				

FORM WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	floors and walls.				
0803070100	Under 20 cm. wide.	Metre		7.15	
0803070200	II Above 20 cm. wide.	Metre		7.15	
080308000	Cornices and mouldings	sq.m	26.15	79.50	
0803090000	Small surfaces, such as cantilevers ends, brackets and ends of steps, caps and base of pilasters and columns and the like :	sq.m	9.05	36.75	
0803100000	Chullah hoods, weather shades, Chajjas, corbels etc. including edges.	sq.m	9.05	36.75	
0803110000	Stair cases with slopping or stepped soffits including risers and stringers excluding landing:	sq.m	9.05	36.75	
0803120000	Spiral stair case:	sq.m	9.05	36.75	
0803130000	Chimneys and shafts.	sq.m	9.05	36.75	
0803140000	Well steining:	sq.m	128.80	374.60	
0803150000	Vertical fins and vertical sun breakers:	sq.m	9.05	36.75	
0804000000	Extra for providing form work with sheathing of steel sheets so as to give a fair finish in:				
0804010000	Foundation, footings, bases of columns etc. and mass concrete.	sq.m	21.95	94.20	
0804020000	Flat surfaces such as soffits of suspended floors roofs, landing and the like				
0804020100	Floors etc. upto 200mm in thickness	sq.m	21.95	94.20	
0804020200	Floors etc. above 200mm in thickness:	sq.m	21.95	94.20	
0804030000	Vertical surfaces such as walls (any thickness) partitions and the like including attached				

FORM WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	pillasters, buttresses, plinth and string courses and the like:	sq.m	21.95	94.20	
0804040000	Sloping or battering surfaces including folded plates.				
0804040100	where inclination to horizontal plan does not exceed 30 degree requiring shuttering only on the underside.	sq.m	21.95	94.20	
0804040200	Where inclination to horizontal plan exceeds 30 degree requiring shuttering both on underside and upper side.	sq.m	43.35	175.10	
0804050000	Arches.				
0804050100	Arches upto 6m span.	sq.m	44.95	77.65	
0804050200	Arches exceeding 6 m span.	sq.m	44.95	77.65	
0804060000	Columns,Pillars,posts and struts.				
0804060100	Square, rectangular or polygonal in Plan	sq.m	21.95	94.20	
0804060200	Circular or curved in plan	sq.m	36.60	74.25	
0804070000	Beams,cantilevers,girders and lintels.				
0804070100	Sides and soffits of beams Beam haunchings,cantilever girders, Bressumers and lintels not exceeding 1 metre in depth.	sq.m	21.95	94.20	
0804070200	Sides and soffits of beams. Beam haunchings,cantilevers girders,Bressumers and lintels exceeding 1 metre in depth.	metre	21.95	94.20	
0804080000	Edges of slabs and Breaks in floors and walls.				
0804080100	Under 20 cm. wide.	Metre	3.70	16.15	
0804080200	Above 20cm. wide.	Metre	3.70	16.15	
0804090000	Cornices and mouldings.	sq.m	36.60	74.25	
0804100000	Small surfaces,such as cantilever ends, brackets and ends of steps,caps and bases of pillaster and the like:	sq.m	21.95	94.20	
0804110000	Chullah hoods, weather shades, chajjas,corbals etc. including edges:	sq.m	21.95	94.20	
0804120000	Stair cases with sloping or				

FORM WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	stepped soffits includings rizers and stringers excluding landing:	sq.m	21.95	94.20	
0804130000	Spiral stair cases.	sq.m	21.95	94.20	
0804140000	Chimneys and shafts:	sq.m	21.95	94.20	
0804150000	Well steining:	sq.m	36.60	74.25	
0804160000	Vertical fins and vertical sun breakers:	sq.m	21.95	94.20	
0805000000	Providing form work with steel plates 3.15mm.thick welded with angle iron in frame 30x30x5mm. so as to give a fair finish including centring, shuutering, strutting and propping etc. with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 Mtrs. and removal of the same for insitu-reinforced concrete & plain concrete work in:				
0805010000	Foundation, footings basis of columns etc. and mass concrete.	Sqm.	31.35	132.00	
0805020000	Flat surfaces such as soffits of suspended floors, roofs, landings and the like.				
0805020100	Floors etc.upto 200mm. in thickness.	Sqm.	67.40	243.65	
0805020200	Floors etc.above 200mm. in thickness.	Sqm.	67.40	283.85	
0805030000	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillasters buttresses, plinth and string courses and the like.	Sqm.	52.15	158.85	
0805040000	Columns, pillars, posts and struts				
0805040100	Square, rectangular or polygonal in plan.	Sqm.	84.75	213.60	
0805040200	Circular or curved in plan.	Sqm	106.15	329.70	
0805050000	Stair cases with sloping or stepped soffits excluding landing.	Sqm	77.40	191.80	
0805060000	Beams, cantilever, girders and lintels.				

FORM WORK

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
0805060100	Sides and soffits of beams, beam haunchings, cantilevers, bressumers and lintels not exceeding 1 Mtr. in depth in all heights from floor.	Sqm	81.65	201.30	
0805060200	Sides and soffits of beams, beam haunchings, cantilevers, girders, bressumers and lintels exceeding 1 Mtr. in depth in all heights from floor.	Sqm	80.00	230.95	
0805070000	Edges of slabs and breaks in floors and walls:				
0805070100	Under 20 cm. wide.	Rmt.	12.65	78.15	
0805070200	Above 20 cm. wide.	Rmt.	12.60	84.60	
0805080000	Sloping or battering surfaces including folded plates:				
0805080100	Where inclination to horizontal plane does not exceed 30 degree	Sqm	75.65	270.25	
0805080200	Where inclination to horizontal plane exceeds 30 degree	Sqm	126.35	408.00	
0805090000	Cornices and mouldings.	Sqm	37.40	468.20	
0805100000	Chullah hoods, weather shades, chhajjas, corbels etc. including edges.	Sqm	63.05	268.00	
0805110000	Well steining.	Sqm	88.50	156.15	
0805120000	Vertical fins and vertical sun breakers.	Sqm.	107.00	215.15	

CHAPTER IX
CONCRETE

CHAPTER IX

CONCRETE

Notes.-

1. Unless otherwise stated, the labour rates include the re-handling charges of all materials within 100meters.
2. The labour and through rates include the cost of water. Where water is supplied free by the Department the rates shall be decreased accordingly.
3. The labour as well as through rates of concrete include the cost of curing. Wherever curing is got done departmentally and not through contractors, the rates shall be reduced accordingly.
4. The rates given below are for hand-mixed concrete. In case mechanical mixer is employed the labour as well as through rates shall be increased by Rs. 25.00 per cubic meter.
5. The rates give below are for non-vibrated concrete. In case vibrator is used for compacting the concrete, the corresponding through rates for concrete shall be increased by Rs. 25.00 per cubic meter.
6. The rates give below are for a height upto floor level two. The maximum storey height shall be taken as 3 meters. For additional heights, the rates, shall be increased as given in various items. In case structures like retaining walls/breast walls height of 4meters above ground level in case of piers, abutments, etc.
7. The rates give below are for both cast in-situ and precast work, the precast work include, the cost of hoisting and fixing in position.
8. The labour rates given in the Chapter include the cost of water, tools and plants, scaffolding and cost of good earth for mud mortar wherever required.
9. All rates for cement concrete/reinforced cement concrete have been worked out suing crushed stone aggregate. In case water borne aggregate is used in cement concrete work, reduction may be made as per the rates worked out under various items of sub-head cement concrete.
10. The through rates include the cost of carriage of all materials for 100 meters by head load and one kilometer by mechanical transport.

CHAPTER-IX

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
0901000A	Mud-concrete: Providing and laying in foundations mud concrete with graded Stone aggregate 40mm nominal size excluding. Cost of Form work.	cu.m.	252.70	1039.90	Reduce through rate by Rs.118.90 per Cum in case water borne agg.is used
0902000A	Lime Concrete. Providing and laying in foundation and plinth/underfloors lime concrete with graded stone aggregate 40 mm nominal size and 40% mortar comprising of 1 lime putty : 1 Surkhi : 1 Sand and curing complete excluding cost of form work.	Cum.	573.70	2186.40	Reduce through rate by Rs. 118.90 per Curr in case water borne agg.is used
09030000	Providing and laying in foundation and plinth/underfloors lime concrete with graded stone aggregates 40mm nominal size and 40% mortar comprising of 1 lime Putty, 2 sand and curing complete excluding cost of form work.	Cum.	573.30	2164.15	
09040000	Providing and laying in foundation and Plinth/under floors lime concrete with graded stone aggregate 40mm nominal size and 40% mortar comprising of 1 lime :Putty:3 sand and curing complete excluding cost of form work.	Cum.	571.00	2008.75	
09050000	Providing and laying in foundation and plinth under floor lime concrete with graded stone aggregate 40mm nominal size and 40% mortar comprising of 1 lime putty 2 surkhi and curing complete excluding cost of form work.	Cum.	573.90	2204.35	
0906000A	Providing and laying on terrace upto floor two level lime concrete with graded stone water borne/ brick aggregate 25mm nominal size and 50% mortar comprising to 1 lime putty and 2 surkhi.				

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
		Cum.	618.15	2410.30	Reduce through rate by Rs. 117.85 per Curr in case water borne agg.is used
09070000	Deduct rate for concrete for using 63mm nominal size graded stone aggregate instead of 40mm nominal size graded stone aggregate.	Cum.		16.10	
09080000	Deduct rate for concrete for using 50mm nominal size graded stone aggregate instead of 40mm nominal size graded stone aggregate.	Cum.		8.05	
09090000	Deduct rate for concrete for using 63 mm nominal size water borne aggregate instead of 40mm nominal size water borne aggregate.	Cu.M.		8.05	
09100000	Deduct rate for concrete for using 50mm nominal size water borne aggregate instead of 40mm nominal size water borne aggregate.	Cum.		8.05	
09110000	cement concrete: Providing and laying cement concrete 1:2:4(1 cement:2 sand :4 graded stone aggregate 40mm nominal size)and curing complete excluding cost of form work in:				
0911010A	Foundation and plinth.	Cum.	440.30	3130.20	Reduce through rate by Rs. 108.80 per Cum. in case water borne agg.is used
09110200	Walls including attached but tresses,pilasters, and their caps and bases and string courses etc. upto floor two level:	Cum.	490.35	3180.20	
09110300	Independent piers columns and pillars upto floor two level:	Cum.	713.25	3403.10	
09120000	Providing and laying cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm nominal size) excluding cost of centring and shuttering in:				
0912010A	Foundations and plinth:	Cu.M.	432.25	2585.15	Reduce through rate by Rs. 112.60 per Curr in case water borne agg.is used
09120200	Walls including attached buttresses, pilasters and their caps and bases and string courses etc. upto floor two level:	Cum.	482.25	2635.20	

CONCRETE

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
09120300	Independent piers, columns and pillars upto floor two level.	Cum.	705.20	2558.00	
09130000	Providing and laying cement concrete 1:4:8 (1 cement:4 sand:8 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work in:				
09130100	Foundation and plinth:	Cum.	427.95	2293.10	
09130200	Walls including attached buttresses pilasters and their caps and bases and string courses etc. upto floor two level.	Cum.	479.30	2344.50	
09140000	Providing and laying cement concrete 1:4:8 (1 cement : 4 sand : 8 Graded stone aggregate 25mm nominal size) and curing complete excluding cost of form work in foundation and plinth in breast and retaining walls etc.	Cum.	428.05	2300.65	
09150000	Providing and laying cement concrete 1:5:10 (1 cement : 5 Sand :10 graded stone aggregate 40mm nominal size) and curing complete excluding the cost of form workin:				
09150100	Foundation and plinth.	Cu.M.	422.20	2064.30	
09150200	Walls including attached buttresses pilasters and their caps and bases and string courses etc. upto floor two level.	Cum.	475.90	2115.60	
09160000	Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone aggregate 40 mm nominal size) and curing complete excluding cost of centring and shuttering in:				
09160100	Foundation and plinth:	Cum.	422.75	1942.50	
09160200	Walls including attached buttresses,pilasters and their caps and bases and string courses etc. upto floor two level:	Cum.	472.75	1992.50	
09170000	Providing and laying cement concrete 1:1:2 (1 cement : 1 Sand : 2 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work.				
0917010A	Foundation and plinth.	Cum.	459.90	4457.40	Reduce through rate by Rs. 101.00 per Curr in case water borne agg.is used
09170200	Walls including attached				

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	buttersses,pilasters and their caps and bases and string courses etc. upto floor two level:	Cum.	510.00	4507.40	
09170300	Independent piers columns and pillars upto floor two level	Cum.	732.80	4730.30	
09180000	Providing and laying cement concrete 1:1.5:3 (1 cement :1.5: Sand : 3 graded stone aggregate 20 mm nominal size and curing complete excluding cost of form work.				
0918010A	Foundation and plinth :	Cum.	447.15	3594.60	Reduce through rate by Rs. 110.75 per Curr in case water borne agg.is used
09180200	Walls including attached buttresses, pilasters and thier caps and bases string courses etc. upto floor two level.	cum.	497.20	3644.60	
09180300	Independent piers, columns and pillars upto floor two level.	Cum.	720.10	3867.55	
09190000	Providing and laying cement concrete 1¼:2:4(1¼ cement: 2 sand:4 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work.				
0919010A	Foundation and plinth.	Cum.	445.55	3486.35	Reduce through rate by Rs. 111.30 per Curr in case water borne agg.is used
09190200	Walls including attached buttresses pilaster and their caps and bases and string courses etc. upto floor two level.	Cum.	495.60	3536.40	
09190300	Independent piers,columns and pillars upto floor two level.	Cum.	718.50	3759.30	
09200000	Providing and laying cement concrete 1:2:4 (1 cement:2 Sand:4 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in:				
0920010A	Foundation and plinth	Cum.	440.85	3165.90	Reduce through rate by Rs. 115.10 per Curr in case water borne agg.is used
09200200	Walls including attached buttresses,pilasters and their caps and basis and string courses etc. upto floor two level.	Cum.	491.10	3231.20	
09200300	Independent piers, columns and pillars upto floor two level.	Cum.	714.00	3454.10	
09210000	Providing and laying cement				

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
0921010A	concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work in: Foundation and plinth	Cum.	432.95	2632.20	Reduce through rate by Rs. 121.70 per Cum in case water borne agg.is used
09210200	Walls including attached buttresses,pilasters and their caps and bases string courses etc. upto floor two level.	Cum.	483.00	2682.20	
09210300	Independent piers, Columns and pillars upto floor two level.	Cum.	705.90	2905.10	
09220000	Providing and laying upto floor two level cement concrete 1:2:4 (1 cement : 2 Sand : 4 graded stone aggregate 20mm nominal size) and curing complete including form work in :				
0922010A	Kerbs,Steps and the like	Cum.	758.65	5389.50	Reduce through rate by Rs. 115.10 per cum in case water borne agg.is used
09220200	String courses coping bed plates, anchor blocks plain window sills and the like	Cum.	1040.00	7206.60	
09220300	Small arched lintels not exceeding 1.5 clear span over sailing, coping and the like requiring form work to suspended portions.	Cum.	1262.00	8751.85	
09220400	Mouldings as in cornices, window sills etc. Exceeding 15cm. in girth.	Cum.	1502.80	7669.40	
09220500	Moulding as in cornices, window sills etc. not exceeding 15cm. in girth :	Cum.	1541.65	7708.25	
09230000	Providing and laying upto floor two level cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size) and curing complete including form work etc.				
0923010A	Kerbs steps and the like :	Cum.	758.65	4840.50	Reduce through rate by Rs. 121.70 per Cum in case water borne agg.is used
09230200	String Courses,copings,bed plates,anchor blocks plain window sills and the like.	Cum.	1040.00	6657.60	

CONCRETE

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
09230300	Small arched lintels not exceeding 1.5m clear span over sailing copings and requiring form work to suspended position.	Cum.	1262.00	8202.85	
09230400	Mouldings as in cornices window sills etc. exceeding 15cm in girth.	Cum.	1502.80	7120.40	
09230500	Mouldings as in cornices,window sills etc.,not exceeding 15cm. in girth.	cum.	1541.65	7159.25	
09240000	Extra for additional lift over rates upto floor two level for all concrete work above floor two level.				1% rate of C.C work from plinth level to floor two level
09250000	Extra for laying cement concrete				
09250100	In or under water including cost of pumping or bailing out water and lowering slush etc. complete.	Per mtr. depth	1815.75		
09250200	In or under liquid mud including cost of removing slush etc.	Per mtr. depth	1815.75		
09250300	complete same as per item No.092401 In or under foul condition.	Cum.	63.10		
0926000A	Providing and laying damp proof course 25mm thick cement concrete 1:2:4 (1 cement:2 sand:4 stone aggregate 10 mm nominal size) and curing complete.	sqm	50.30	118.80	Reduce through rate by Rs. 3.45 per Sqm. in case water borne agg.is used
0927000A	Providing and laying damp proof course 38mm thick with cement concrete 1:2:4 (1 cement:2 sand:4 stone aggregate 12.5mm nominal size) and curing complete.	sqm.	55.85	160.00	Reduce through rate by Rs. 4.80 per Sqm. in case water borne agg.is used
0928000A	Providing and laying damp proof course 50 mm thick with cement concrete 1:2:4 (1 cement:2 sand:4 graded stone aggregate 20mm nominal size) and curing complete.	Sqm.	60.95	197.95	Reduce through rate by Rs. 6.30 per Sqm. in case water borne agg.is used

CONCRETE

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
09290000	Providing and laying damp proof course to horizontal surface with cement mortar 1:2 (1 cement:2 sand) and curing complete .				
09290100	15mm thick	Sqm.	9.70	85.75	
09290200	20 mm thick.	Sqm.	10.80	109.90	
09300000	Applying a coat of hot bitumen (mexphalt 80/100 or equivalent) using 1.70 kg. per square metre on damp proof course after cleaning the surface with a piece of cloth lightly soaked with kerosene oil.				
09310000	Providing and laying cement concrete work 1:2:4 (1 Cement:2 Sand:4 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in :				
09310100	Foundations,footings bases of columns and the like and mass concrete.	Cum.	504.50	3244.70	
09310200	Walls (any thickness but not less than 0.10 metre thickness) including attached pilasters buttersses,plinth and string courses etc. from top of foundation upto floor two level :	Cum.	531.60	3294.70	
09310300	Suspended Floor roofs, landing and shelves and their support balconies,beams,girders,bressumers and cantilever upto floor twolevel	CUM	527.65	3267.80	
09310400	Columns, pillars posts and struts upto floor two level.	Cum.	800.65	3540.75	
09310500	Stair cases (except spiral stair cases) excluding landing but including preparing of the surface and finishing of nosing upto floor two level.	cum.	807.00	3547.20	
09310600	Spiral stair cases including landings etc. upto floor two level.	CUM	1175.60	3915.80	
09310700	Arches upto floor two level.	Cum.	615.60	3355.75	
09310800	Chimney and shaft floor two level:	Cum.	554.75	3317.85	
09310900	Wall staining :	Cum.	542.50	3305.60	
09311000	Vertical and horizontal (thickness not more than 0.10 m) individually or forming box louvers and projected band upto floor two level :				
09320000	Providing and laying cement	cum.	613.50	3353.65	

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
09320100	concrete work 1:1.5:3 (1 cement : 1.5 sand :3 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in : Wall (any thickness but not less than 0.1 m thickness) attached pilasters, buttresses, plinth and string courses etc. from top of foundation level upto floor two level :	Cum.	560.70	3708.15	
09320200	Lintels, beams girders bressumers and cantilevers upto floor two level :	Cum.	533.80	3681.25	
09320300	Column, pillars, posts and struts upto floor two level :	Cum.	806.75	3954.20	
09330000	Providing and laying cement concrete 1:1:2 (1 cement : 1 sand :2 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement in reinforced concrete work in :				
09330100	Walls (any thickness but not exceeding 0.1 metre thickness) including attached pilasters, buttersses, plinth and string. Concrete etc. from top of foundation level upto floor two level.	Cum.	577.00	4577.65	
09330200	Lintels beams, girders, brassumers and cantilevers upto floor two level etc.	Cum.	564.10	4561.60	
09330300	Columns pillars, posts and struts upto floor two level.	Cum.	862.65	4860.15	
09340000	Providing and laying cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) reinforced concrete chajjas not exceeding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1 cement : 3 Sand) to give a smooth and even surface centring/form work and curing complete excluding the cost of reinforcement.	cum.	2948.15	14476.00	
09350000	Providing and laying cement concrete 1:2:4 mix (1 cement : 2 Sand : 4 graded stone aggregate				

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
09360000	20mm nominal size) for reinforced concrete chajjas not exceeding 10cm. thickness upto floor two level centring/form work and curing complete excluding cost of reinforcement. Providing and laying upto first floor two level reinforced cement concrete 1:2:4 (1 cement : 2 Sand : 4 graded stone aggregate 20mm nominal size) to give a smooth and even surface including centring and shuttering etc. but excluding cost of reinforcement in :	Cum.	2168.15	13018.70	
09360100	Kerbs, steps and the like :	cum.	822.20	5453.00	
09360200	String courses, copings, bed plates, anchor blocks, plain windows sills and the like :	cum.	1103.50	7270.10	
09360300	Small Arched lintels not exceeding 1.5 m clear span over a sailings, copings and the like.	Cum.	1325.50	8815.40	
09360400	Mouldings as in cornices windows sills etc. exceeding 15cm in girth	cum.	1566.30	7732.90	
09360500	Mouldings as in cornices windows, sills etc. not exceeding 15cm. in girth.	Cum.	1605.20	7771.80	
09370000	Providing and laying upto first floor level reinforced cement concrete 1:3:6 (1 cement : 3 Sand : 6 Graded stone aggregate 20 mm nominal size) to give a mooth and even surface centring and shuttering etc. but excluding cost of reinforcement in :				
09370100	Kerbs, steps and the like :	Cum.	822.20	5453.00	
09370200	String courses, copings bed plates anchor blocks, plain window sills and the like :	Cum.	1103.50	6721.10	
09370300	Small arched lintels not excluding 1.5m clear span over sailings copings and the like :	Cum.	1325.50	8266.40	
09370400	Mouldings as in cornices, window sills etc. exceeding 15cm in girth	Cum.	1566.30	7183.90	
09370500	Mouldings as in cornices window sills etc. not exceeding 15cm in girth :	cum	1605.20	7222.80	
09380000	Providing reinforced cement concrete eave board 25mm thick and 15cm to 30 cm wide in 1:2:4 (1 cement : 2 sand : 4 Graded stone				

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
09390000	aggregate 10mm nominal size) upto floor two level including centring and form work and curing complete excluding cost of reinforcement. Encasing rolled steel sections in beams and columns with cement concrete 1:2:4 mix (1 cement : 2 Sand : 4 graded stone aggregate 12.5 mm nominal size) including centring/form work and curing complete excluding cost of reinforcement upto floor two level	Cum.	2601.70	7482.45	
09400000	Encasing rolled steel sections in grillages with cement concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 12.5 mm nominal size) upto floor two level including form work and curing complete excluding cost of expanded metal and hangers :	Cum.	1013.75	6497.30	
09410000	Providing mild steel/Tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level :	cum.	559.10	3631.00	
09410100	Mild steel :	kg	4.90	56.40	
09410200	Tor Steel :	kg	4.95	59.40	
09420000	Extra for additional lift of concrete for all R.C.C. work above floor two level : reinforcement :				1% rate of C.C work from plinth level to floor two level
09430000	Extra for rendering smooth the top of suspended floors landings stair cases (treads and risers) and other such : Items with cement mortar 1:2 (1 cement : 2 Sand) including a floating coat of neat cement and curing complete and protecting the surface with a layer of 7.5 cm. of earth laid over 15mm layer of sand in case of suspended floors and landings, steps etc. including subsequent removal and clearing of the same :				
09440000	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg. of cement per sq.metre of floor area before laying cement	Sqm.	14.75	49.45	

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
09450000	concrete flooring including roughening, cleaning of the concrete surfaces complete. Providing in RCC work smooth finishing of the exposed surface with cement mortar 1:3 (1 cement : 3 sand)	Sqm.	3.65	19.45	
09460000	Providing throating or plaster drip and moulding to R.C.C. chajja.	Sqm.	34.25	59.90	
09470000	Providing and filling in position bitumen mix filler of proportion 80 kg. of hot bitumen 1 kg. of cement and 0.25 cu.m. of sand for expansion joints.	mtr.	13.10		
09480000	Providing and filling in position blown bitumen in expansion joints.	100M length 12mm thick & 1 cm deep	129.90	274.20	
09490000	Providing and fixing in position 12 mm thick impregnated fibre board in expansion joints.	100M length 12mm thick & 1 cm deep	137.00	748.00	
09500000	Providing and laying cement concrete 1:8:16 (1cement: 8sand:16graded stone aggregate 20mm. nominal size) and curing complete on slab and floor excluding the cost of form work. screed laid under flooring.	100M length 12mm thick & 1 cm deep	21.60	888.70	
09510000	Providing and laying cement concrete 1:5:10 (1cement :5sand :10 graded stone aggregate 40mm. nominal size) with 15 % plum and curing complete excluding cost of form work in retaining walls/ Breast walls, the size of plums shall usually be 150mm. to 300mm. as per H.P.P.W.D.Specification.	Cum.	420.80	1812.75	
0952000000	Providing and laying cement concrete 1:1.5:3 (1cement :1.5 sand :3 graded stone aggregate 20mm. nominal size) and curing				

CONCRETE

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	complete excluding cost of form work and reinforcement for feinforced concrete work in:				
0952010000	Foundation footings bases of columns and the like and mass concrete.	cum	510.70	3658.15	
0952020000	Suspended floors roofs, landings and shelves and their supports, balconies, beams, girders, bressumers and cantilevers upto floor two level.	Cum	533.85	3681.30	
0952030000	Stair cases (except spiral stair case) excluding landing but including preparing of the surface and finishing of nosing upto floor two level.	Cum	813.20	3960.65	
0952040000	Spiral stair cases including landings etc. upto floor two level.	cum	1181.80	4329.20	
0952050000	Arches upto floor two level	cum	685.30	3832.70	
0952060000	Wall Staining	cum	571.60	3719.05	
0952070000	Vertical and horizontal fins (thickness not more than0.10m) individually or forming box louvers and projected band upto floor two level.	cum	619.70	3767.15	
0953000000	Extra cost for providing and mixing polyester triangular synthetic fibres in specified ration 6-18mm length designed for melting point 240-260 degree centigrade and having specific gravity of 1.33-140 as per IS-456 amendment August 2007 & IRC 44-2008 @ 125 grams/50kg of cement bag in all types of CC, RCC, plastering and flooring work etc.	Per Tonne		1015.60	

CHAPTER – X
BRICK WORK

Chapter X

1- BRICK WORK (WITH CONVENTIONAL BRICKS)

Notes -:

- 1 Unless otherwise stated , the labor rates include the cost of re handling of materials within 100 meters.
- 2 The labour rates as well as through rates include the cost of water, is supplied free by Department , the rates will be reduced accordingly.
- 3 The labour rates include the cost of water, tools and plants, scaffolding (labor and material) and cost of good earth for mud mortar.
- 4 The through rates include the carriage of all materials for 100 mtrs on had load and one kilometer by mechanical Transport .
- 5 The rates are applicable for conventional bricks with sizes in stated F.P.S Units. These rates are not applicable for modular bricks.
- 6 The rates are applicable for laying of brick in foundations and plinth/ floor level two . The plinth level shall be taken as 1.5 meters above ground level. The maximum story-height shall be taken as 3 meters. In case of structure like retaining walls / breast walls, height of 4 mtrs above ground level shall be reckoned as floor level two. This height shall be 6 meters above ground level in case piers and abutments. Similar procedure for demarcation of demarcation of works done in basement of works done in basement shall be adopted for increase of rates.

CHAPTER-X

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
10010000	Brick work using common burnt clay building bricks in foundation and plinth in :-				
10010101	Lime Surkhi Mortar 1:1:1 (1 Lime putty : 1 Surkhi : 1 Sand) First Class Brick	cum	647.10	3062.95	
10010102	Lime Surkhi Mortar (1 Lime putty : 1 Surkhi : 1 Sand) Second Class Brick	cum.	645.50	2950.90	
10010201	Cement Lime Mortar 1:1:6 (1 cement : 1 lime putty : 6 sand) First Class Brick	cum.	648.30	3031.25	
10010202	Cement Lime Mortar 1:1:6 (1 cement : 1 Lime Putty : 6 Sand) Second Class Brick	cum	646.65	3131.25	
10010301	Cement Lime Mortar 1:1:7 (1 Cement : 1 Lime Putty : 7 Sand) First Class Bricks	cum	647.35	3076.90	
10010302	Cement Lime Mortar 1:1:7 (1 Cement : 1 Lime Putty : 7 Sand) Second Class Brick	cum	645.70	2966.00	
10010401	Cement Lime Mortar (1 Cement : 1 Lime Putty : 8 Sand) First Class Brick	cum	646.45	3015.90	
10010402	Cement Lime Mortar 1:1:8 (1 Cement : 1 Lime Putty : 8 Sand) Second Class Brick	cum	644.80	2905.00	
10010501	Cement Lime Mortar 1:2:9 (1 Cement : 2 Lime : 9 Sand) First Class Bricks	cum	645.80	2974.50	
10010502	Cement Lime Mortar 1:2:9 (1 Cement : 2 Lime : 9 Sand) Second Class Bricks	cum	644.20	2863.60	
10010601	Cement Mortar 1:3 (1 Cement : 3 Sand). First Class Bricks	cum	586.90	3278.30	
10010602	Cement Mortar 1:3 (1 Cement : 3 Sand)				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	Second Class Bricks	cum	585.25	3167.45	
10010701	Cement Mortar 1:4 (1 cement:4 sand) First Class Bricks	cum	584.20	3096.05	
10010702	Cement Mortar 1:4 (1 Cement : 4 Sand) Second Class Bricks	cum	582.55	2985.15	
10010801	Cement Mortar 1:5 (1 cement : 5 sand) First Class Bricks	cum	582.75	2997.90	
10010802	Cement Mortar 1:5 (1 Cement : 5 Sand) Second Class Bricks	cum	581.10	2887.00	
10010901	Cement Mortar 1:6 (1 Cement : 6 Sand) First Class Bricks	cum	581.45	2913.80	
10010902	Cement Mortar 1:6 (1 Cement : 6 Sand) Second Class Bricks	cum	579.85	2802.90	
10011001	Mud Mortar: First Class Bricks	cum	577.40	2486.95	
10011002	Mud Mortar : Second Class Bricks	cum	575.80	2376.05	
10020000	Extra for brick work in :				
10020101	Super-structure above plinth level upto floor two level (First Class Bricks).	cum	92.30	92.30	
10020102	Extra for brick work in : Super-structure above plinth level upto floor two level (Second Class Bricks).	cum	92.30	92.30	
10020201	Super structure above floor two level.	Per cum per floor		1 % of the rate of brick work from plinth upto floor two level	
10020301	Square and rectangular pillars. in super structure above plinth level upto floor two level. (FIRST CLASS BRICKS)	cum	153.30	153.30	

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
10020302	Square and rectangular pillars in super structure above plinth level upto floor two level. (SECOND CLASS BRICKS)	cum	153.30	153.30	
10020401	Circular pillars. (FIRST CLASS BRICKS)	cum	362.40	910.25	
10020402	Circular pillars. SECOND CLASS BRICKS	cum	361.90	877.30	
10020501	Curved on plan upto mean radius not exceeding 5 metres. (FIRST CLASS BRICKS)	cum	130.40	270.25	
10020502	Curved on plan upto mean radius not exceeding 5 metres. (SECOND CLASS BRICKS)	cum	130.30	261.90	
10020601	Tapered surface of brick masonry (FIRST CLASS BRICKS)	sq.m.	93.50	167.85	
10020602	Tapered surface of brick masonry. (SECOND CLASS BRICKS)	sq.m.	93.45	163.40	
10030000	Brick work in arches in Super-structure span not exceeding 6 metres, using common burnt clay building bricks in cement mortar 1:4 including centring and shuttering complete:				
10030101	Plain arches (FIRST CLASS BRICKS)	cum	1389.25	7055.75	
10030102	Plain arches. (SECOND CLASS BRICKS)	cum	1387.55	6940.20	
10030201	Gauged Arches: (FIRST CLASS BRICKS)	cum	2021.05	7858.50	
10030202	Gauged Arches. (Second Class Bricks)	cum	2019.20	7732.90	
10040101	Half brick masonry in common burnt clay building bricks in cement lime mortar 1:1:6 First Class Bricks	sq.m.	81.30	376.50	
10040102	Half brick masonry in common burnt clay building bricks in :-				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	Cement Lime Mortar 1:1:6 Second Class Bricks	sq.m.	81.15	363.30	
10040201	Cement Mortar 1:3 First Class Brick	sq.m.	74.15	392.35	
10040202	Cement Mortar 1:3 Second Class Brick	sq.m.	73.95	379.20	
10040301	Cement Mortar 1:4 (1 cement : 4 sand) First Class Bricks	sq.m.	73.85	371.10	
10040302	Cement Mortar 1:4 (1 cement:4 sand) Second Class Bricks	sq.m.	73.65	357.90	
10040401	Cement Mortar 1:3 (1 cement:3 sand) with hoop iron. First Class Bricks	sq.m.	74.90	444.25	
10040402	Cement Mortar 1:3 (1 cement:3 sand) with hoop iron Second Class Bricks	sq.m.	74.75	431.10	
10050000	Extra for half brick masonry in super-structure above plinth level upto floor two level.	sq.m.	17.60	17.60	
10060000	Extra for cutting or chamfaring of brick work to required shape in masonry work	sq.m.	12.65	12.65	
10070100	Half Brick thick honey comb brick work with common burnt clay building bricks in cement mortar 1:4(1 Cement : 4 sand) First Class Bricks	sq.m.	67.65	241.00	
10070200	Half Brick thick honey comb brick work with common burnt clay building bricks in cement mortar 1:4 (1 Cement : 4 Sand) Second Class Bricks	sq.m.	67.65	241.00	
10080100	Extra for forming cavity 5cm. to 7.5cm. wide in cavity walls with necessary weep and vant holes including use of cores and cost of providing and fixing bitumastic coated M.S. Ties of 25mm x 3mm section at not less than 3 ties per square metre as per approved				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	design. First Class Bricks:	sq.m.	28.95	58.70	
10080200	Extra for forming cavity 5cm. to 7.5cm. wide in cavity walls with necessary weep and vant holes including use of cores and cost of providing and fixing bitumastic coated M.S. Ties of 25mm x 3mm section at not less then 3 ties per square metre as per approved design. (SECOND CLASS BRICKS)	sq.m.	28.95	58.70	
10090100	Providing half brick masonry with common burnt clay building in cement Mortar 1:3(1 cement:3 sand) in super structure for closing cavity 5cm. to 7.5cm. wide in cavity walls complete with 10cm. wide bitumastic felt type 3 Grade I. FIRST CLASS BRICKS	metre	26.15	121.75	
10090200	Providing half brick masonry with common burnt clay building in cement mortar 1:3 (1 cement: 3 sand) in super structure for closing cavity 5cm to 7.5cm. wide in cavity walls complete with 10 cm. wide bitumastic felt type 3 Grade-I (SECOND CLASS BRICKS).	metre	26.10	118.20	
10100100	Constructing tharry with common burnt clay building bricks in cement mortar 1:4, Cement Pointing 1:3 including necessary excavation and 10 cm. bed Concrete 1:5:10 complete. FIRST CLASS BRICKS.	sq.m.	200.00	736.35	
10100200	Constructing Tharry with common burnt clay building bricks in cement mortar 1:4 cement pointing 1:3 including necessary excavation and 10cm. Bed Concrete 1:5:10 complete. SECOND CLASS BRICKS.	sq.m.	199.80	723.60	
10110100	Jointing old brick works with new				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	brick work. First Class Bricks	sq.m.	73.70	136.50	
10110200	Jointing old brick work with new brick work. Second class bricks	sq.m.	73.65	133.70	
10120100	Providing 7.6 cm. thick drip course with specially moulded burnt bricks at Junctions of roof and walls.				
10120101	In cement mortar 1:4 (1 cement:4 sand) FIRST CLASS BRICKS)	metre	10.00	31.85	
10120102	In cement mortar 1:4 (1 cement : 4 sand) SECOND CLASS BRICKS.	metre	9.95	30.85	
10120200	In cement mortar 1:6 (1 cement : 6 sand)				
10120201	FIRST CLASS BRICKS.	metres	9.95	30.25	
10120202	In cement mortar 1:6 (1 cement : 6 sand) (SECOND CLASS BRICKS)	metres	9.95	29.25	
10130000	Moulding and cornices with brick masonry in cement mortar 1:4 (1 cement : 4 sand): (Girth to be measured in cm. and length in running metre)				
10130100	Brick work using common burnt clay building bricks of first class in cement mortar 1:4 (1 cement:4 sand) in superstructure FIRST CLASS BRICK	1 metre 1 cm projection 1 cm depth	0.20	0.55	
10130200	Second Class bricks	1 metre 1 cm projection 1 cm depth	0.20	0.60	
10140000	Providing brick bands 7.6 cm. thick and 5cm. projected from wall face in common burnt clay building bricks laid in cement Mortar 1:4 (1				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	Cement : 4 Sand).				
10140100	FIRST CLASS BRICKS.	metres	4.50	17.05	
10140200	SECOND CLASS BRICKS	metres	4.45	16.50	
10150100	Extra for laying brick work in or under water and/or liquid mud excluding cost of pumping out or bailing out water but removing slush:				
10150101	FIRST CLASS BRICKS	1 cum per metre depth	129.70	129.70	
10150102	In or under water and/or liquid mud excluding cost of pumping and or bailing out water but removing slush : SECOND CLASS BRICKS	1 cum per metre depth	129.70	129.70	
10150200	Brick work in or under foul positions :				
10150201	FIRST CLASS BRICKS	cum	66.00	66.00	
10150202	SECOND CLASS BRICKS :	cum	66.00	66.00	
10160000	Common burnt clay building bricks 7.62 cm. thick in :				
10160100	Cement Mortar 1:3(1 cement:3 sand)				
10160101	FIRST CLASS BRICKS :	sq.m.	80.50	290.80	
10160102	SECOND CLASS BRICKS :	sq.m.	80.40	282.00	
10160200	In cement mortar 1:3 (1 cement : 3 sand) with hoop iron.				
10160201	FIRST CLASS BRICKS :	sq.m.	81.40	339.80	
10160202	SECOND CLASS BRICKS :	sq.m.	81.25	331.00	
10170000	Brick fencing 5.6 cm. on R.C.C. work(Materials to be paid for				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	separately).				
10170100	FIRST CLASS BRICKS :	sq.m.	106.55	106.55	
10170200	SECOND CLASS BRICKS :	sq.m.	106.55	106.55	
10180000	Brick tile masonry using common burnt clay brick tiles in foundation and plinth :				
10180100	In Lime Surkhi Mortar 1:1:1 (1 Lime putty:1 Surkhi:1 Sand).	cum	874.95	4305.60	
10180200	In Cement Lime Mortar 1:1:6 (1 cement:1 Lime putty:6 Sand)	cum	878.05	4849.65	
10180300	Cement Mortar 1:4 (1 Cement : 4 Sand)	cum	770.05	4772.80	
10180400	Cement Mortar 1:6 (1 Cement : 6 Sand).	cum	765.55	4469.00	
10190000	Extra for common burnt clay brick-tile masonry in :-				
10190100	Super structure above plinth level upto floor two level.	cum	113.90	113.90	
10190200	Superstructure above floor two level.	Per cum per floor		1 % of the rate of brick work from plinth upto floor two level	
10190300	Square or rectangular pillars :	cum	220.35	220.35	
10190400	Curved or plain upto a mean radius not exceeding 6 metres.	cum	198.35	403.10	
10200000	Brick tile masonry in plain arch span not exceeding 6 metres using common burnt clay brick tiles in plain arch work in superstructure in cement mortar 1:4 (1 cement : 4 sand) including centring (height of props not exceeding 3.5m) shuttering complete :	cum	1589.95	8645.70	
II-MODULAR BRICKS					
10210000	Brick work using common burnt clay building bricks in foundation and				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	plinth in:-				
10210100	Lime Surkhi Mortar 1:1:1 (1 lime putty : 1 surkhi : 1 sand)				
10210101	FIRST CLASS BRICKS.	cum	613.00	3131.40	
10210102	SECOND CLASS BRICKS:	cum	611.20	3010.00	
10210200	Cement Lime Mortar 1:1:6 (1 cement:1 lime putty:6 sand)				
10210201	First Class Bricks.	cum	614.00	3201.70	
10210202	Second Class Bricks	cum	612.25	3080.30	
10210300	Cement Lime Mortar 1:1:7 (1 cement : 1 Lime putty : 7 Sand)				
10210301	First Class Bricks.	cum	613.20	3144.65	
10210302	Second Class Bricks	cum	611.40	3023.25	
10210400	Cement Lime Mortar 1:1:8 (1 cement : 1 Lime putty : 8 Sand)				
10210401	First Class Bricks.	cum	612.40	3091.20	
10210402	Second Class Bricks	cum	610.60	2969.85	
10210500	Cement Lime Mortar 1:2:9 (1 cement : 2 lime : 9 sand)				
10210501	First Class Bricks.	cum	611.85	3055.00	
10210502	Second Class Bricks	cum	610.05	2933.60	
10210600	Cement Mortar 1:3 (1 Cement : 3 Sand)				
10210601	First Class Bricks.	cum	560.30	3320.90	
10210602	Second Class Brick	cum	558.50	3199.50	
10210700	Cement Mortar 1:4				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(1 Cement : 4 Sand)				
10210701	First Class Bricks.	cum	557.95	3172.90	
10210702	Second Class Brick	cum	556.15	3040.00	
10210800	cement mortar 1:5 (1 cement : 5 sand)				
10210801	First Class Bricks.	cum	556.65	3075.50	
10210802	Second Class Bricks	cum	554.85	2954.10	
10210900	Cement mortar 1:6 (1 cement : 6 sand)				
10210901	First Class Bricks.	cum	555.55	3001.90	
10210902	Second Class Bricks	cum	553.75	2880.50	
10211000	Mud Mortar :				
10211001	First Class Bricks.	cum	552.00	2628.40	
10211002	Second Class Bricks	cum	550.25	2507.00	
10220101	Extra for brick work in :- Superstructure above plinth level upto floor two level : (FIRST CLASS BRICKS) :	cum	89.60	89.60	
10220102	Superstructure above plinth level upto floor two level : (SECOND CLASS BRICKS)	cum	89.60	89.60	
10220201	Super structure above floor two level :	Per cum per floor		1 % of the rate of brick work from plinth upto floor two level	
10220301	Square and rectangular pillars : FIRST CLASS BRICKS:	cum	142.00	142.00	
10220302	Square and rectangular pillars.				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(SECOND CLASS BRICKS) :	cum	142.00	142.00	
10220303	Square rectangular pillars. Super structure above floor two level. First & SECOND CLASS BRICKS:	Per cum per floor		1 % of the rate of brick work from plinth upto floor two level	
10220401	Circular pillars (FIRST CLASS BRICKS) :	cum	333.80	885.55	
10220402	SECOND CLASS BRICKS :	cum	333.30	852.40	
10220501	Curved on plan upto mean radius not exceeding 5 metres. (FIRST CLASS BRICKS)	cum	121.95	257.95	
10220502	SECOND CLASS BRICKS:	cum	121.80	249.75	
10220601	Tapered surface of brick masonry (First Class Bricks)	sqm	87.10	160.25	
10220602	Tapered surface of brick masonry (Second Class Bricks)	Sqm.	87.05	155.85	
10230000	Brick work in arches in super structure span not exceeding 6 metres, using common burnt clay building bricks in Cement Mortar 1:4 including centring and shuttering complete :				
10230101	Plain arches (First Class Bricks)	cum	1340.45	6896.50	
10230102	PLAIN ARCHES (SECOND CLASS BRICKS) :	cum	1338.75	6782.80	
10230201	Gauged Arches . (First Class Bricks)	cum	1926.05	7843.45	
10230202	Gauged Arches. (Second Class Bricks)	cum	1924.00	7708.05	
10240000	Half brick masonry in common burnt clay building bricks in :				
10240101	Cement lime mortar 1:1:6				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	First Class Bricks	sq.m.	77.50	358.70	
10240102	Cement lime mortar 1:1:6 Second Class Bricks	sq.m.	77.30	345.85	
10240201	Cement Mortar 1:3 First Class Bricks	sq.m.	71.10	372.90	
10240202	Cement mortar 1:3 Second Class Bricks	sq.m.	70.90	360.05	
10240301	Cement Mortar 1:4 (1 Cement : 4 Sand) First Class Bricks	sq.m.	70.80	353.90	
10240302	Cement Mortar 1:4 (1 Cement : 4 Sand) Second Class Bricks	sq.m.	70.60	341.05	
10240401	Cement Mortar 1:3 (with hoop iron) First Class Bricks	sq.m.	71.85	424.80	
10240402	Cement Mortar 1:3 (with hoop iron) Second Class Bricks	sq.m.	71.65	411.95	
10250000	Extra for half brick masonry in super structure above plinth level upto floor two level	sq.m.	16.20	16.20	
10260000	Extra for cutting or chamfering of brick work to required shape in masonry work.	Rmt.	7.00	7.00	
10270100	Half brick thick honey comb brick work with common burnt clay building bricks in cement mortar 1:4 (1 cement : 4 sand) First Class Bricks	sq.m	63.95	236.50	
10270102	Half brick thick Honey comb brick work with common burnt clay building bricks in cement mortar 1:4 (1 cement :4 sand) Second class bricks	sq.m	63.95	227.55	
10280100	Extra for forming cavity 5cm to 7.5cm vide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M.S.Ties of 23 mm x 3mm				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	section at not less than 3 ties per square metre as per approved design. (FIRST CLASS BRICKS)	sq.m.	28.95	58.70	
10280200	Extra for forming cavity 5 cm to 7.5cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M.S. Ties of 25mmx3mm section at not less than 3 ties per square metre as per approved design. (SECOND CLASS BRICKS)	sq.m.	28.95	58.70	
10290101	Providing half brick masonry with common burnt clay building bricks in cement mortar 1:3 (1 cement:3 sand) in super structure for closing cavity 5 to 7.5cm wide in cavity walls complete with 10cm. wide bitumastic felt type 3 Grade-I. (FIRST CLASS BRICKS)	metre	25.35	116.50	
10290102	Providing half brick masonry with common burnt clay building bricks in cement mortar 1:3 (1 cement:3 sand) in superstructure for closing cavity 5 to 7.5 cm. wide in cavity walls complete with 10cm. wide bitumastic fell type 3 Grade I. (SECOND CLASS BRICKS)	metre	25.30	113.00	
10300100	Constructing Tharry with common burnt clay building bricks in cement mortar 1:4 (1cement:4 sand) cement pointing 1:3(1cement:3sand) including necessary excavation and 10cm bed concrete 1:5:10 (1cement: 5 sand : 10 graded stone aggregate 40mm nominal size complete. (FIRST CLASS BRICKS)	sq.m.	192.20	699.10	
10300200	Constructing Tharry with common burnt clay building bricks in cement mortar 1:4 (1cement:4sand) cement pointing 1:3(1cement:3sand) including necessary excavation and 10 cm bed concrete 1:5:10(1cement:				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	5sand:10 graded stone aggregate 40mm nominal size) complete. SECOND CLASS BRICKS:	sq.m.	192.00	685.80	
10310100	Jointing old brick work with new brick work : FIRST CLASS BRICKS :	sq.m.	72.95	138.35	
10310200	SECOND CLASS BRICKS :	sq.m.	72.75	135.00	
10320101	Providing 10 cm. thick drip course with specially moulded burnt bricks at junctions of roof and wall in cement mortar 1:4 (1 cement : 4 sand) FIRST CLASS BRICK:	metre	10.55	36.70	
10320102	Cement Mortar 1:4 (1cement:4sand) SECOND CLASS BRICKS :	metres	10.55	35.40	
10320201	In cement mortar1:6(1cement:6sand) FIRST CLASS BRICKS :	metres	10.55	35.00	
10320202	In cement mortar 1:6 (1 cement : 6 sand) SECOND CLASS BRICKS	metres	10.50	33.80	
10330101	Moulding and cornices with brick masonry in cement mortar 1:4 (1 cement: 4 sand) Girth to be measured in cm. and length in running metre First Class Bricks	1 metre 1cm projection 1 cm depth	0.20	0.50	
10330102	Moulding and cornices with brick masonry in cement mortar 1:4 (1 cement:4 sand) Girth to be measured in cm. and length in running metre : Second Class Bricks	1 metre 1cm projection 1 cm depth	0.20	0.50	
10340100	Providing brick band 10 cm. thick and 5 cm. projected from wall face in common burnt clay building bricks laid in cement mortar 1:4 (1 cement : 4 sand) : FIRST CLASS BRICKS	metres	4.35	17.40	

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
10340200	Providing brick band 10cm. thick and 5 cm projected from wall face in common burnt clay building bricks laid in cement mortar 1:4 (1 cement : 4 sand) : SECOND CLASS BRICKS:	metres	4.35	16.75	
10350101	Extra for laying brick work : In or under water and or liquid mud excluding cost of pumping out or bailing out water but removing slush. FIRST CLASS BRICKS	1 cum per metre depth	129.70	129.70	
10350102	Extra for laying brick work: In or under water and /or liquid mud excluding cost of pumping out or bailing out water but removing slush. SECOND CLASS BRICKS.	1 cum per metre depth	129.70	129.70	
10350201	In or under foul position: (FIRST CLASS BRICKS)	cum	66.00	66.00	
10350202	In or under foul positions (SECOND CLASS BRICKS) :	cum	66.00	66.00	
10360100	Brick tile masonry using common burnt clay brick tiles in foundation and plinth:- In Lime Surkhi Mortar 1:1:1 (1 Lime putty : 1 Surkhi : 1 sand)	cum	787.45	5035.10	
10360200	In Cement Lime Mortar 1:1:6 (1 cement:1 Lime putty:6 sand)	cum	788.95	5135.55	
10360300	Cement Mortar 1:4(1 cement:4 sand)	cum	708.80	5077.95	
10360400	Cement Mortar 1:6(1 cement:6 sand)	cum	705.45	4850.10	
10370100	Extra for common burnt clay brick tile masonry in:- Super structure above plinth level upto floor two level.	cum	106.85	106.85	
10370200	Extra for Superstructure above floor two				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	level.	Per cum per floor			1 % of the rate of brick work from plinth upto floor two level
10370300	Square or Rectangular pillars.	cum	204.65	204.65	
10370400	Curved on plan upto a mean radius not exceeding 6 metres.	cum	186.55	435.95	
10380000	Brick tile masonry in plain arch span not exceeding 6 metres using common burnt clay brick tiles in plain arch work in super-structure in cement mortar 1:4 (1 cement:4 sand) including centring (height of props not exceeding 3.5 m) and shuttering complete.	cum	1559.65	8981.80	
1039000000	Brick work using machine made buiding bricks laid with forming horizontal and vertical grooves 10mm wide 12mm deep during laying in super-structure above plinth level upto floor two level in:				
1039010000	Cement Mortar 1:3				
1039010100	First class Bricks	Cum	648.20	3602.00	
1039010200	Second class Bricks	Cum	645.50	3419.95	
1039020000	Cement Mortar 1:4				
1039020100	First class machine made Bricks	cum	646.15	3465.30	
10390202000	Second class machine made Bricks	cum	643.45	3283.25	
1039030000	Cement Mortar 1:5				
10390301000	First class machine made Bricks	cum	645.05	3391.70	
10390302000	Second class machine made Bricks	cum	642.40	3209.65	
1039040000	Cement Mortar 1:6				
10390401000	First class machine made Bricks	cum	644.15	3328.60	
10390402000	Second class machine made Bricks	cum	641.45	3146.55	

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1040000000	Extra for super structure above floor two level for machine made bricks.	Per cum per floor			1% of the rate of Machine brick upto floor two level.
1041000000	Extra for square and rectangular pillars in superstructure above plinth level upto floor two level with machine made bricks First/Second Class bricks.	cum	142.00	142.00	
1042010000	Extra for Circular Pillars with machine made bricks (First class bricks)	cum	335.00	968.45	
1042020000	Extra for Circular Pillars with machine made bricks (Second class bricks)	cum	334.30	918.70	
1043000000	Extra for curved on plan upto mean radius not exceeding 5 metres with machine made bricks.				
1043010000	(First Class Bricks)	cum	122.25	278.35	
1043020000	Extra for curved on plan upto mean radius not exceeding 5 metres with machine made bricks. (Second Class Bricks)	cum	122.05	266.10	
1044000000	Extra for Tapered surface of brick masonry with:-				
1044010000	Extra for Tapered surface of brick masonry with machine made bricks. (First Class bricks)	cum	87.25	171.20	
1044020000	Extra for Tapered surface of brick masonry with machine made bricks. (Second Class bricks)	cum	87.20	164.60	
1045000000	Half brick masonry machine made building bricks including making horizontal and vertical grooves 10mm wide 12mm deep complete in super structure above plinth level upto floor two level in:-				
1045010000	Cement Mortar 1:3				
10450101000	First Class Bricks	sqm	86.20	402.00	
10450102000	Second class Bricks	sqm	85.90	382.75	
1045020000	Cement Mortar 1:4				

BRICK WORK

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
10450201000	First Class Bricks	sqm	86.00	386.85	
10450202000	Second Class Bricks	sqm	85.70	367.60	

CHAPTER – XI

**STONE MASONRY, PRECAST CONCRETE,
BLOCK MASONRY AND MARBLE WORK**

Chapter XI

STONE MASONRY, PRECAST CONCRETE, BLOCK MASONRY AND MARBLE WORK

Notes -:

- 1 The labour rates and through rates are applicable for the stones quarried in blocks and un-dressed.
- 2 The rates include the carriage by head load up to 100 meters and by mechanical transport up to first kilometer. The carriage rates for additional distance shall be paid for separately.
- 3 The labour rates include the cost of water, tools and plants, labor and materials for scaffolding and centering shuttering, Wherever required and cost of good earth for mud mortar.
- 4 Where water is supplied free by the department, the rates shall be decreased accordingly.
- 5 The labor rates including the cost of dressing of stones and laying also.
- 6 The rates are applicable for laying of stone in foundations and plinth \ floor level two. The plinth level shall be taken as 1.5 meters above ground level. The maximum story height shall be taken as 3 meters. In case of structures like retaining walls / breast walls height of 4 meters above ground level shall be reckoned as floor level two. This height shall be 6 meters above ground level in case of piers and abutments. Similar procedure for demarcation of works done in basement shall be adopted for increase of rates.

CHAPTER-XI

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	RANDOM RUBBLE MASONRY				
1101000000	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) in walls with hard stones of approved quality in foundation and plinth laid dry, well bonded, faced with selected stones and built with bond or through stones evenly placed at the rate of two per square metre.	cum	200.45	979.50	
1102000000	C/o Dry rubble masonry in breast wall and retaining walls revetment walls and parapets etc.	cum	200.45	979.50	
1103000000	Random rubble masonry/polygonal rubble uncoursed/brought to courses with hard stone of approved quality in foundation and plinth with mud mortar including leveling up at plinth level.	cum	706.30	1565.10	
1104000000	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stones of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement :6 sand : 12 graded stone aggregate 20mm nominal size) at plinth level in				
1104010000	(a) Lime Surkhi Mortar 1:1:1 (1 Lime putty:1 Surkhi:1 Sand)	cum	819.90	2425.50	
1104020000	Cement Mortar 1:6(1 cement:6 sand)	cum	729.60	2222.00	
1104030000	Cement Lime Mortar 1:1:8 (1 cement:1 Lime:8 Sand)	cum	818.95	2362.40	
1104040000	Cement Mortar 1:8 (1 Cement : 8 Sand)	cum	727.90	2221.40	
1105000000	Random rubble masonry/polygonal rubble masonry (Uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including levelling				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1106010000	up with cement concrete 1:6:12 (1 cement : 6 Sand : 12 Graded stone aggregate 20mm nominal size) in cement mortar 1:6 (1 cement:6 sand) in breast walls and retaining walls. Extra for random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in :-	cum	729.40	2222.00	
1106010100	Superstructure above plinth level and upto floor two level including levelling up with cement concrete 1:6:12 (1 cement:6 sand:12 graded stone aggregate 20mm nominal size).	cum	128.00	128.00	
1106010200	Super structure above floor two level				1% of rate of stone work from plinth upto floor two level
1106010300	Square or rectangular pillars.	cum	144.20	144.20	
1106010400	Circular pillars :	cum	313.50	506.55	
1106010500	Curved or plain for a mean radius not exceeding 6m.	cum	123.20	189.70	
1107010000	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth including raking out joints in:-				
1107010100	Mud Mortar	cum	1473.20	2611.00	
1107010200	Lime Surkhi Mortar 1:1:1 (1 Lime putty : 1 Surkhi : 1 Sand)	cum	1573.15	3342.35	
1107010300	Cement Lime Mortar 1:1:8 (1 Cement:1 Lime putty:8 Sand)	cum	1559.45	3272.15	
1107010400	Cement Mortar 1:6 (1 cement : 6 sand)	cum	1478.30	3144.50	
1107010500	Cement Mortar 1:5 (1 cement:5 sand)	cum	1479.80	3249.65	
1107010600	Cement mortar 1:4 (1 cement : 4 sand)	cum	1481.65	3372.35	
1107010700	Cement mortar 1:3 (1 cement : 3 sand)	cum	1485.00	3600.00	
1107010800	Cement mortar 1:8 (1 cement : 8 sand)	cum	1476.70	3039.35	
1107010900	Laid Dry :	cum	411.50	1469.45	
1107020000	Square rubble masonry coursed				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	with hard stone of approved quality in foundation and plinth in Retaining walls/Breast walls including rakingout joints in:-				
1107020100	Lime surkhi mortar 1:1:1 (1 Lime putty :1 surkhi :1 Sand).	Cu.m.	886.95	2656.00	
1107020200	Cement Lime mortar 1:1:8 (1 Cement :1 Lime :8 Sand).	Cum.	873.30	2586.00	
1107020300	Cement Mortar 1:6 (1 Cement:6Sand)	Cum	792.10	2458.35	
1107020400	Cement Mortar 1:5(1 Cement:5 Sand)	Cum.	793.65	2563.50	
1107020500	Cement Mortar 1:4(1Cement:4 Sand)	Cum.	795.45	2686.20	
1107020600	Cement Mortar1:3(1Cement:3 Sand)	Cum	798.85	2914.05	
1107020700	Cement Mortar 1:8(1Cement:8 Sand).	Cum.	790.55	2353.20	
1107020800	Laid dry.	Cum.	259.70	1317.65	
1108010000	Extra for squared rubble masonry coursed with hard stone of approved quality in:-				
1108010100	Superstructure above plinth level and upto floor two level :	cum	120.25	120.25	
1108010200	Super structure above floor two level :				1% of rate of stone work from plinth upto floor two level
1108010300	Square and Rectangular pillars :	cum	160.90	160.90	
1108010400	Circular pillars	cum	360.70	610.50	
1108010500	Curved or plan for a mean radius not exceeding 6 metres. ASHLAR MASONRY	cum	134.60	220.45	
1109000000	Stone work on plain Ashlar Cyclopean in superstructure upto floor two level including pointing with cement mortar 1:2 (1 cement :2 sand) in:-				
1109010000	Cement Mortar 1:6 (1 cement : 6 sand)	cum	6795.00	8304.00	
1110000000	Stone work ashlar punched (ordinary work) in superstructure upto floor two level in cement mortar 1:6 (1 cement:6 sand) including				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1111000000	pointing with cement mortar 1:2(1 cement : 2 sand) Stone work plain in coping plinth cornices, string courses and plinth courses in cement mortar 1:6 (1 cement : 6 sand) including pointing with cement mortar 1:2 (1 cement : 2 sand)	cum	6078.00	7589.00	
1112000000	Stone work sunk or moulded upto floor two level in cement mortar 1:6 (1 cement : 6 sand) including pointing with cement mortar 1:2 (cement : 2 sand).	cum	10764.45	12272.60	
1113000000	Extra for additional cost of centring for arches exceeding 6 metres span including all structing, bolting, wedging etc. and removal (Area of soffit to be measured)	sq.m.	279.50	279.50	
1114010000	Extra for stone work in plain Ashlar cyclopean or ashlar punched: Above floor two level				1% of rate of stone work from plinth upto floor two level
1114010200	Square or rectangular pillars	cum	1168.00	1168.00	
1114010300	Circular pillars:	cum	3561.00	3561.00	
1114010400	Curved on plan with a mean radius not exceeding 6 metre.	cum	818.00	818.00	
1115000000	Extra for stone work sunk or moulded or curved in:				
1115010100	Square rectangular pillars	cum	1518.00	1518.00	
1115010200	Cornices.	per cm girth per metre	10.00	10.00	
1115010300	Circular pillars: DRESSING	cum	4320.00	4320.00	
1116000000	Dressing of stone for:				
1116010100	Coursed rubble masonry.	cum	516.40	516.40	
1116020000	Plain Ashlar cyclopean Masonry	cum	3741.00	3741.00	
1116030000	Ashlar punched masonry.	cum	3037.00	3037.00	
1116040000	Sunk or moulded masonry.	cum	8671.00	8671.00	
1116050000	Arch, Domes or circular moulded masonry.	cum	9656.00	9656.00	
1116060000	Ashlar moulded and curved columns:	cum	13382.00	13382.00	
1117010000	Dessing of stone (for face				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	work): Hammer dressing (Unit sq.m. of face area)	sq.m.	75.35	75.35	EXCLUDES THROUGH AND BOND STONE
1117020000	Fine chisel dressing (3 line dressing)	sq.m.	310.40	310.40	
1117030000	Ordinary chisel dressing (2 line dressing):	sq.m.	158.80	158.80	
1117040000	Rough tooled dressed (1 line dressing):	sq.m.	62.45	62.45	
1118000000	Laying charge of stone work including pointing (for item 1116010200 to 1116010600):	cum	2931.00	2931.00	EXCLUDES THROUGH AND BOND STONE
1119010000	Dressing of sand stone in veneer work average thickness 40mm to 50mm. :	sqm	382.10	382.10	
1119020000	Fixing charges for stone in Veneer work. ASHLAR MASONRY WITH SAND STONE AND VENEER WORK	sq.m.	358.65	358.65	
1120000000	Stone work plain ashlar cyclopean in cement mortar 1:3 (1 cement:3 sand) including centring shuttering and pointing with white cement mortar 1:2 (1 white cement:2 stone dust) with an admixture of pigment matching the stone shade :				
1120010000	Red sand stone :	cum	8793.00	27563.00	
1120020000	White sand stone:	cum	8839.00	30674.00	
1121000000	Stone work plain ashlar Cyclopean in domes in cement mortar 1:3 (1 cement : 3 sand) including centring shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
1121010000	Red sand stone :	cum	16372.00	35142.00	
1121020000	White sand stone .	cum	15419.00	37255.00	
1122000000	Stone work for wall lining etc.(Veneer work) 40mm thick, in cement mortar 1:3 (1 cement : 3 sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :				
1122010000	Red sand stone :	sq.m.	785.10	1535.90	
1122020000	White sand stone :	sq.m.	786.95	1660.40	
1123000000	Stone work for wall lining etc. (Veneer work) 50mm thick in cement mortar 1:3 (1 cement : 3 sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade:				
1123010000	Red Sand Stone:	sq.m.	885.95	1824.90	
1123020000	White sand stone :	sq.m.	888.25	1980.60	
1124000000	Stone work for wall lining etc. (Veneer work) 60mm thick in cement mortar 1:3 (1 cement:3 sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.				
1124010000	Red sand stone.	sq.m.	888.75	2015.00	
1124020000	White sand stone.	sq.m.	891.50	2201.75	
1125000000	Stone work in wall lining etc. (Veneer work) 70mm. thick in cement mortar 1:3 (1 cement : 3 sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.				
1125010000	Red sand stone.	sq.m.	891.60	2205.55	
1125020000	White sand stone .	sq.m.	894.80	2423.40	
1126000000	Extra for stone work (Veneer work) curved on plan with a mean radius not exceeding 6 metre.	cum	725.00	725.00	
1127000000	Providing and fixing gun metal cramp of required shape for anchoring stone wall lining to the backing on securing				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 sand) including making the necessary chases.				
1127010000	25x6mm=30cm long cramp.	EACH	234.40	290.60	
1127010200	15x6mm-16.5cm. Long cramp.	EACH	234.05	267.25	
1128000000	Providing and fixing stone dowels 10x5.0x2.5 cm. cut to double wedge shape as per design in cement mortar 1:2 (1 cement : 2 sand) including making the necessary chases.	EACH	3.70	9.90	
1129000000	Providing and fixing copper pine 7.5 cm. long 6mm dia for securing adjacement stone wall lining in cement mortar 1:2 (1 cement : 2 sand) including making the necessary chases.	EACH	2.95	36.15	
	MISCELLANEOUS				
1130000000	Extra for laying stone :				
1130010000	In or under water and/or liquid mud excluding cost of pumping or bailing out water but including removing of slush etc.	1 Cub.metre per metre depth	127.80	127.80	
1130020000	In or under foul conditions :	1 cum per metre depth	60.95	60.95	
1131010000	Boulder filling dry hand packed tightly as in wire crate apron bund (wire crates to be measured separately).	cum	107.35	664.90	
1131020000	Wire crates of G.I. wire filled with boulders with square cut faces against the wire. (Wire crates to be measured and paid for separately).	cum	82.10	639.70	
1131030000	Wire crates made of G.I. wire filled with boulders with square cut faces against the wire (Boulder filling to be measured and paid for separetaly).				
1131030100	G.I. Wire 4mm thick corresponding to SWG-8				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
1131030101	25cm.x7.5cm. mesh (diagonal dimension).	sq.m.	29.60	194.05	
1131030102	15cm. x 15cm. mesh.	sq.m.	20.00	148.50	
1131030200	G.I. wire 5mm thick corresponding to SWG-6.				
1131030201	25cmx7.50cm. mesh.	sq.m.	29.60	276.10	
1131030202	G.I. wire 5mm thick corresponding to SWG-8. 15cm.x15cm. mesh.	sq.m.	20.00	212.80	
1132000000	Boulder filling dry hand packed tightly in wire crates vertical bunds with sloping face (wire crates to be measured separately)	cum	253.35	810.90	
1133000000	Stone filling behind retaining walls :	cum	120.75	797.35	
1134000000	Cutting, opening through walls for doors, windows and other openings or enlarging existing openings,converting window in to door opening etc.,or cutting out defective masonry for under pinning and including proving fixing and removing, storing, clearing and stacking stone and removing surplus stones and rubbish off the premises :	cum	165.85	165.85	
1135000000	Extra for under pinning of walls with square stones (labour for cutting of old walls to be measured separataly) :	cum	163.25	436.45	
1136000000	Forming jamb to opening with hard stone of approved quality fine dressed including cutting toothening and properly bounding into old work, including facing and pointing to match existing work complete :	cum	36.60	216.15	
1137000000	Making good under sills (or over arches, lintels and bressumers) including all pinning when necessary.	Sqm.	237.80	237.80	
1138010000	Cutting into old masonry to form toothings and bending in new stone work in: Mud Mortar :-	Sqm.	66.30	120.05	
1138020000	Lime Mortar 1:3				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1138030000	(1 Lime putty : 3 Sand) In cement mortar 1:6	Sq.m.	131.45	228.55	
	(1 cement:6 sand). PRECAST CONCRETE BLOCK MASONRY	Sq.m.	163.95	263.50	
1139000000	Precast concrete block masonry (including quion blocks,jamb blocks, closer etc.) with solid concrete blocks of approved size made of cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm and down gauge) foundation and plinth upto floor level two in :-				
1139010000	Cement Mortar 1:6	Cum.	948.70	3044.15	
1139020000	Lime Mortar 1:3	Cu.m.	974.15	3060.60	
1140000000	Precast concrete block masonry (including quions blocks,jamb blocks closer etc.) with soild concrete block of approved size made of cement concrete 1:5:10 (1 cement:5 sand:10 graded stone aggregate 40mm and down gauge) in foundation and plinth upto floor two in:-				
1140010000	Cement mortar 1:6	Cum.	939.90	2583.90	
1140020000	In Lime Mortar 1:3	Cum.	965.30	2600.20	
1141000000	Precast concrete block masonry in partition walls 10 cm. thick with solid block of approved size including quion blocks, jamb blocks, closer etc. made of cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm and down gauge) in :-				
1141010000	Cement Mortar 1:6	Sq.m.	102.30	316.25	
1141020000	In Lime mortar 1:3	Sqm.	105.15	318.10	
1142000000	Precast concrete block masonry in partition walls 10 cm. thick with solid blocks of approved size (including quions blocks, jamb blocks, closer etc.) made of cement concrete 1:5:10 (1 cement:5 sand:10 graded stone aggregate 40mm and down gauge) in:				
1142010000	Cement Mortar 1:6	sq.m.	101.40	269.75	
1142020000	Lime Mortar 1:3	Sqm.	104.25	271.60	

Stone Masonry, precast concrete Block masonry and Marble work

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
1143000000	Extra for precast block masonry above floor two level.				1% OVER THE RATES FOR STONE MASONRY ABOVE PLINTH LEVEL UPTO FLOOR TWO LEVEL
	MARBLE WORK				
1144000000	Marble work :				
1144010000	Dressing of Marble for : steps,jambs,walls,pillars and other plain work.	10 cu.dm.	141.65	141.65	
1144020000	Moulded jambs and heads, straight mouldings and plain arches or domes.	10 Cud.M	200.95	200.95	
1144030000	Moulded arches or domes and circular mouldings.	10 cu.dm.	364.40	364.40	
1144040000	Dressing of marble on Veneer work 2.5 cm. to 5 cm. thick.	Sq.m.	445.70	445.70	
1144050000	Labour for fixing marble in Veneer work	Sqm.	627.50	627.50	
1144060000	Cement mortar 1:2 (1 white cement: 2 marble dust).	Cu.m.	148.00	16125.55	
1145000000	Marble work (table rubbed and polished) in steps,jambs,walls,pillars and other plain work in cement mortar 1:2 (1 white cement:2 marble dust) with an admixture of pigment to match the marble shade :				
1145010000	White makrana marble.	10 cu.dm.	223.40	1269.40	
1145020000	Pink Makrana marble.	10 cu.dm.	218.20	919.25	
1145030000	Jaisalmer Yellow Marble :	10 cu.dm.	216.65	814.20	
1145040000	Baroda Green Marble :	10 cu.dm.	220.30	1059.35	
1146000000	Marble work (table rubbed and polished) in steps,jambs,walls, pillars and other plain work in cement mortar 1:4 (1 cement:4 sand) including pointing in cement mortar 1:2 (1 White cement:2 marble dust) with an admixture of pigment to match the marble shade.				
1146010000	Chitor black marble.	10 Cud.m	214.10	639.10	
1146020000	Bhanslana black Marble:	10 Cud.m	213.05	569.05	
1147000000	Extra for marble work in plain arches and domes over plain marble work, including all				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1148000000	centring and shuttering : Extra for marble work for moulded jambs, heads and straight moulding over plain marble work :	10 Cud.m	82.35	82.35	
1149000000	Extra for marble work in moulded arches and domes including centring and shuttering over :	10 Cud.m	60.30	60.30	
1149010000	Plain Marble work.	10 Cud.m	248.25	248.25	
1149020000	Plain work in arches of domes	10 Cud.m	165.90	165.90	
1150000000	Extra for sunk on moulded work in circular moulding over :				
1150010000	Plain marble work :	10 Cud.m	226.05	226.05	
1150020000	Straight moulded work :	10 Cud.m	165.90	165.90	
1151000000	Marble work (table rubbed and polished for walls lining) Veneer work 2.50cm. thick in cement mortar 1:3 (1 cement:3 sand) including pointing with white cement mortar 1:2 (1 white cement: 2 marble dust) with an admixture of pigment to match the marble shade :				
1151010000	White makrana marble :	sq.m.	1131.85	3818.30	
1151020000	Pink Makrana Marble :	Sqm.	1118.90	2942.85	
1151030000	Jaisalmer yellow marble :	sq.m.	1115.00	2680.20	
1151040000	Baroda Green Marble :	sq.m.	1124.10	3293.05	
1152000000	Marble work (table rubbed and polished) for wall lining (Veneer work) 2.5 cm. thick in cement mortar 1:3 (1 cement:3 sand) including pointing with cement mortar 1:2 (1 White cement:2 marble dust) with an admixture of pigment to match the marble shade.				
1152010000	Chittor Black Marble.	Sqm.	1108.55	2242.50	
1152020000	Bhanslana black marble :	sqm.	1105.95	2067.45	
1153000000	Providing and fixing stone dowel 10x5x2.5 cm. cut to double wedge shape as per design in cement mortar 1:2 (1 cement:2 sand) including making the necessary chases.	EACH	3.70	9.90	
1154000000	Providing and fixing gun metal cramps as per design in cement mortar 1:2 (1 cement:2 sand) including making necessary chases :				
1154010000	25x6mm., 30cm. long.	EACH	6.20	62.40	

Stone Masonry, precast concrete Block masonry and Marble work

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
1154020000	15x6mm.-16.5 cm. long.	EACH	5.90	39.05	
1155000000	Providing and fixing copper pins 7.5 cm. long of 6 mm. diametre in cement mortar 1:2 (1 cement:2 sand) including making necessary charges.	EACH	2.95	36.15	
1156000000	Marble work (table rubbed and polished) for wall lining (Veneer work) 4cm. thick in cement mortar 1:3 (1 cement:3 sand) including pointing with white cement 1:2 (1 white cement:2 marble dust) with an admixture of pigment to match the marble shade.				
1156010000	White makrana marble :	Sqm.	1156.35	5422.50	
1156020000	Pink Makrana Marble :	Sqm.	1135.65	4021.80	
1156030000	Jaisalmer yellow marble :	sqm.	1129.40	3601.55	
1156040000	Baroda green marble :	sq.m.	1143.90	4582.05	
1157000000	Marble work (table rubbed and polished) for wall lining (Veneer work) 4cm. thick in cement mortar 1:3 (1 cement:3 sand) including pointing with cement mortar 1:2 (1 White cement:2 marble dust) with an admixture of pigment to match the marble shade :				
1157010000	Chittor Black Marble :	sq.m.	1119.05	2901.20	
1157020000	Bhanslana Black Marble :	Sqm.	1114.95	2621.10	
1158000000	Providing and fixing (table rubbed and polished) jali 4cm. thick throught (without work of moulded work in jali slab) in white cement mortar 1:2 (1 white cement:2 marble dust) with an admixture of pigment to match the marble shade jali, pattern to be cut square to jali slab without any chamfers etc. complete :				
1158010000	White Makrana Marble :	sqm.	4696.30	8931.90	
1158020000	Pink Makrana Marble :	sqm.	4675.60	7531.20	
1158030000	Jaisalmer Yellow Marble :	Sq.m.	4669.40	7111.00	
1158040000	Baroda Green Marble :	Sqm.	4683.85	8091.50	
1159000000	Providing and fixing (table rubbed and polished) jali 4cm. thick though out (without sunk or moulded work in jali slab) in cement mortar 1:2 (1 White				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	cement:2 marble dust)with an admixture of pigment to match the marble shade, jali pattern to be cut square to jali slab without any chamers etc. complete .				
1159010000	Chittor Black Marble:	Sqm.	4659.05	6410.65	
1159020000	Bhanslana Black Marble : DHAJJI WALLS	Sq.m.	4654.90	6130.50	
1160000000	10cm. to 12cm. thick Dhajji walls wrought on both sides excluding plastering and pointing but including 12 mm to 20 mm mesh wire netting on wooden frame and pointing two coats on wood work with wood preservative :				
1160010000	2nd class deodar wood frame with :				
1160010100	Stone nogged walls in cement mortar 1:8	Sqm.	196.75	2220.30	
1160010200	Stone negged walls in mud mortar :	Sqm.	196.45	2186.40	
1160020000	2nd class kail wood frame with:				
1160020100	Stone nogged walls in cement mortar 1:8 :	sqm.	196.75	1628.05	
1160020200	Stone nogged walls in mud mortar :	sq.m.	196.45	1750.10	
116002020A	Notes:- (for item no 1160010100, 1160010200, 1160020100 and 1160010200) Wherever sizes of timber section are different than the one stated in the item on account of structural/Architectural reasons or the filling in between is done with specifications different than the ones,below the composite labour and through rates should arrived at as below:-- (a)The rate of framing and fixing in position the timber frame should be worked out on the . basis of item				

Stone Masonry, precast concrete Block masonry and Marble work

ITEM CODE	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	<p>No.1202020000. (b)The rate for solignum painting should be worked out on the basis of item No.1603800000. (c)The rate for wire-nettingshould be worked out on the basis of item No. 1946000000. (d)The rate of brick/stone masonry used for nogging and the plaste-ring /painting work should be workedout on the basis of laid down specifications and as per relevant schedule of rates.</p>				
1161000000	<p>Providing and laying 20 cm. thick composit stone masonry with stone facing of chisel dressed stones one line dressed in cement mortar 1:6(1 cement :6 sand) and concrete backing with cement concrete 1:3:6 (1 cement: 3 sand: 6 graded stone aggregate 20 mm. nominal size) on inner face of walls including centring,shuttering and propping complete up to floor two level.</p>	Sqm.	473.75	941.50	
1162000000	<p>Providing and laying precast cement concrete hollow block masonry with cement concrete blocks of size 40cm x 19cm x20 cm i/c quion block jamb blocks and closers etc. made of cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size) laid with cement mortar 1:6 (1 cement : 6 sand) i/c curing complete in super structure upto floor two level.</p>	cum	660.65	2642.10	

Stone Masonry, precast concrete Block masonry and Marble work

ITEM	ITEM NAME	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
1163000000	Providing and laying precast cement concrete hollow block masonry in wall with cement concrete blocks of size 40cm x 19cm x20 cm i/c quion blocks, jamb blocks and closers etc. made of cement concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 25mm nominal size) laid with cement mortar 1:6 (1 cement : 6 sand) and curing complete in super structure upto floor two level.	cum	655.40	2287.00	

CHAPTER – XII
WOOD WORK

Chapter XII

WOOD WORK

Notes :-

- 1 The through rates includes the carriage of all material for 100 meters on head load and 1 kilometer by mechanical transport .
- 2 The through rates include all wastage of timber in sawing and cutting and sawing charges.
3. The labor rates include the cost of tools and plants and scaffolding wherever required .

CHAPTER XII

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1200100000	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position.				
1200101000	First Class Indian teak wood.	cum	5317.20	121950.00	
1200102000	2nd class Indian teak wood.	cum	5317.20	99195.80	
1200103000	1st class Deodar wood.	cum	3544.40	67409.70	
1200104000	2nd class deodar wood.	cum	3544.40	66432.50	
1200105000	1st class Kail wood.	cum	3544.40	66432.50	
1200106000	2nd class Kail wood.	cum	3544.40	51538.30	
1200107000	1st class Chil wood.	cum	3544.40	29579.20	
1200108000	2nd class Chil wood.	cum	3544.40	26361.90	
1200109000	Sal wood.	Cum	3544.40	22040.50	
1200200000	Providing wood work in frames of false ceiling partitions etc. sawn and put-up in position.				
1200201000	1st class Deodar wood.	cum	2400.30	65968.30	
1200202000	2nd class deodar wood.	cum	2400.30	64995.70	
1200203000	1st class Kail wood.	cum	2400.30	64995.70	
1200204000	2nd class Kail wood.	cum	2400.30	50170.80	
1200205000	1st class Chil wood.	cum	2400.30	28113.90	
1200206000	2nd class Chil wood.	cum	2400.30	25112.20	
1200207000	Sal wood.	cum	2400.30	20810.90	
1200300000	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position.				
1200301000	1st class Deodar wood.	cum	3752.40	67138.60	
1200302000	2nd class deodar wood.	cum	3752.40	66168.80	
1200303000	1st class Kail wood.	cum	3752.40	22110.70	
1200400000	Extra for additional labour for circular works such as in frames of fan lights.				
1200401000	First Class Indian teak wood.	cum	531.70	12195.00	
1200402000	2nd class Indian teak wood.	cum	531.70	9919.60	
1200403000	1st class Deodar wood.	cum	354.40	6741.00	
1200404000	2nd class deodar wood.	cum	354.40	6643.25	
1200405000	1st class Kail wood.	cum	354.40	6643.25	
1200406000	2nd class Kail wood.	cum	354.40	5153.80	
1200407000	1st class Chil wood.	cum	354.40	2957.90	
1200408000	2nd class Chil wood.	cum	354.40	2636.20	
1200409000	Sal wood.	Cum	354.40	2204.00	

PANELLED AND GLAZED SHUTTERS

1200500000	Providing and fixing panelled glazed or panelled and glazed				
------------	---	--	--	--	--

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws.				
1200501000	50 mm thick				
1200501010	First Class Indian teak wood.	Sq,m	626.65	5548.45	
1200501020	2nd class Indian teak wood.	Sq,m	626.65	4626.75	
1200501030	1st class Deodar wood.	Sq,m	416.90	3201.35	
1200501040	2nd class deodar wood.	Sq,m	416.90	3161.80	
1200501050	1st class Kail wood.	Sq,m	416.90	3161.80	
1200501060	2nd class Kail wood.	Sq,m	416.90	2558.50	
1200501070	1st class Chil wood.	Sq,m	416.90	1669.20	
1200501080	2nd class Chil wood.	Sq,m	416.90	1539.15	
1200502000	45mm thick				
1200502010	First Class Indian teak wood.	Sq,m	626.70	5285.50	
1200502020	2nd class Indian teak wood.	Sq,m	626.70	4415.00	
1200502030	1st class Deodar wood.	Sq,m	416.90	3057.15	
1200502040	2nd class deodar wood.	Sq,m	416.90	3019.80	
1200502050	1st class Kail wood.	Sq,m	416.90	3019.80	
1200502060	2nd class Kail wood.	Sq,m	416.90	2450.10	
1200502070	1st class Chil wood.	Sq,m	416.90	1610.15	
1200502080	2nd class Chil wood.	Sq,m	416.90	1487.30	
1200503000	40mm thick				
1200503010	First Class Indian teak wood.	Sq,m	626.70	4795.75	
1200503020	2nd class Indian teak wood.	Sq,m	626.70	4017.40	
1200503030	1st class Deodar wood.	Sq,m	416.90	2781.10	
1200503040	2nd class deodar wood.	Sq,m	416.90	2747.70	
1200503050	1st class Kail wood.	Sq,m	416.90	2747.70	
1200503060	2nd class Kail wood.	Sq,m	416.90	2238.30	
1200503070	1st class Chil wood.	Sq,m	416.90	1487.30	
1200503080	2nd class Chil wood.	Sq,m	416.90	1377.45	
1200504000	35mm thick				
1200504010	1st class indian teak wood.				
		sq.m.	626.70	4375.00	
1200504020	2nd class Indian teak wood.	sq.m.	626.70	3678.65	
1200504030	1st class Deodar wood.	sq.m.	416.90	2550.40	
1200504040	2nd class deodar wood.	sq.m.	416.90	2520.50	
1200504050	1st class Kail wood.	sq.m.	416.90	2520.50	
1200504060	2nd class Kail wood.	sq.m.	416.90	2064.70	
1200504070	1st class Chil wood.	sq.m.	416.90	1392.80	
1200504080	2nd class Chil wood.	sq.m.	416.90	1294.50	
1200600000	Providing and fixing 25mm thick panelled glazed or panelled and glazed shutters for cup boards etc. including :-				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1200601000	Nickel plated bright finished piano hinges.				
1200601010	First Class Indian teak wood.	Sq,m	592.90	3519.45	
1200601020	2nd class Indian teak wood.	Sq,m	592.90	2997.15	
1200601030	1st class Deodar wood.	Sq,m	394.55	2110.00	
1200601040	2nd class deodar wood.	Sq,m	394.55	2087.60	
1200601050	1st class Kail wood.	Sq,m	394.55	2087.60	
1200601060	2nd class Kail wood.	Sq,m	394.55	1745.70	
1200601070	1st class Chil wood.	Sq,m	394.55	1241.75	
1200601080	2nd class Chil wood.	Sq,m	394.55	1168.05	
1200602000	Bright finished black enamelled iron. Hinges with necessary screws:-				
1200602010	First Class Indian teak wood.	Sq,m	592.90	3436.60	
1200602020	2nd class Indian teak wood.	Sq,m	592.90	2914.30	
1200602030	1st class Deodar wood.	Sq,m	394.55	2027.15	
1200602040	2nd class deodar wood.	Sq,m	394.55	2004.70	
1200602050	1st class Kail wood.	Sq,m	394.55	2004.70	
1200602060	2nd class Kail wood.	Sq,m	394.55	1662.90	
1200602070	1st class Chil wood.	Sq,m	394.55	1158.90	
1200602080	2nd class Chil wood.	Sq,m	394.55	1085.20	
1200701000	Deduct if 50mm or 45mm thick fixed shutters (without hinges) are provided instead of openable shutters for doors, windows and clearstory windows.	Sq,m		57.20	
1200702000	Deduct if 40mm or 35mm thick fixed shutters (without hinges) are provided instead of openable shutters for doors, windows and clearstory windows.	Sq,m		40.70	
1200800000	Extra for superior type of glass used instead of ordinary glass panes in glazed or panelled and clearstory windows.				
1200801000	4mm thick glass.	Sq,m		26.35	
1200802000	5.5mm thick plate glass.	Sq,m		79.00	
1200803000	Frosted glass 3 mm thick	Sq,m		26.35	
1200804000	Deduct in case Pin head glass 3mm thick is used instead of ordinary glass.	sq,m		47.40	
1200805000	Extra for wired glass 6mm thick	Sq,m		171.30	
1200900000	Providing and fixing flush door shutters decorative type core of block board construction with				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1200901000	frames of first class hard wood and well matched first class indian teak plyveneering with vertical grains or cross bends and face veneering on both faces of shutter. 40mm thick including black enamelled M.S. butt hinges.	sq.m	120.90	2247.75	
1200902000	35mm thick including black enamelled M.S. butt hinges	Sq.m	120.90	2075.25	
1200903000	30mm thick including black enamelled M.S. butt hinges	Sq.m	120.90	1891.80	
1200904000	25mm thick including nickel plated bright finished M.S. piano hinges.	Sq.m	92.50	1844.30	
1201000000	Providing and fixing flush door shutters interior grade, commercial type, core of black-board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains of cross bands and face veneers on both faces of shutters.				
1201001000	40 mm thick including black enamelled M.S. butt hinges.	Sq.m	120.90	1511.75	
1201002000	35 mm thick including black enamelled M.S. butt hinges.	Sq.m	120.90	1385.25	
1201003000	30 mm thick including black enamelled M.S. butt hinges.	Sq.m	120.90	1316.75	
1201004000	25mm thick including nickel plated bright finished M.S. piano hinges.	Sq.m	92.50	1298.05	
1201100000	Providing and fixing flush door shutters core of black board construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains of cross band and face vaneers on one face and commercial ply veneering with vertical grains of cross band on other face of shutters.				
1201101000	40 mm thick including black enamelled M.S. butt hinges.	Sq.m	120.90	1845.25	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1201102000	35 mm thick including black enamelled M.S. butt hinges.	Sq.m	120.90	1753.25	
1201103000	30 mm thick including black enamelled M.S. butt hinges.	Sq.m	120.90	1615.75	
1201104000	25mm thick including nickel plated bright finished M.S. piano hinges.	Sq.m	92.50	1470.55	
1201200000	Deduct if hinges with necessary screws are applied by the department free of cost for flush door shutters.				
1201201000	40 mm thick	Sq.m		46.40	
1201202000	35 mm thick	Sq.m		46.40	
1201203000	30 mm thick	Sq.m		35.45	
1201204000	25 mm thick (for cup board with piano hinges)	Sq.m		131.35	
1201300000	Extra for providing lipping with first class india Teak wood battens 25 mm minimum depth on all edges of shutters.	Sq.m		74.75	
1201400000	Extra for providing vision panel not exceeding 0.1 sqm in all types of flush door shutters cost of glass excluded.				
1201401000	Rectangular or square.	Sq.m		74.75	
1201402000	Circular	Sq.m		110.40	
1201500000	Extra if louvrs not exceeding 0.2 sqm are providing in flush door shutters				
1201501000	Decorative type door	Sq.m		138.00	
1201502000	Commercial type door	Sq.m		110.40	
1201600000	Extra for cutting rebate in flush door shutter (Total area of the door to be measured)	Sq.m		23.00	
BATTENED AND FRAMED DOORS					
1201700000	Providing and fixing 40mm thick battened and framed door shutters including bright finished or and black enamelled iron hinges with necessary screws.				
1201701000	1st class india teak wood	sq.m	410.05	4235.60	
1201702000	2nd class Indian teak wood.	Sq,m	410.05	3495.90	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1201703000	1st class Deodar wood.	Sq,m	274.35	2384.65	
1201704000	2nd class deodar wood.	Sq,m	274.35	2352.90	
1201705000	1st class Kail wood.	Sq,m	274.35	2352.90	
1201706000	2nd class Kail wood.	Sq,m	274.35	1868.80	
1201707000	1st class Chil wood.	Sq,m	274.35	1155.10	
1201708000	2nd class Chil wood.	Sq,m	274.35	1050.75	
1201800000	Providing and fixing 20mm thick battened and framed door shutters including bright finished or and black enamelled iron hinges with necessary screws.				
1201801000	1st class indian teak wood	sq.m	439.95	4346.75	
1201802000	2nd class Indian teak wood.	Sq,m	439.95	3592.65	
1201803000	1st class Deodar wood.	Sq,m	290.95	2449.05	
1201804000	2nd class deodar wood.	Sq,m	290.95	2416.70	
1201805000	1st class Kail wood.	Sq,m	290.95	2416.70	
1201806000	2nd class Kail wood.	Sq,m	290.95	1923.10	
1201807000	1st class Chil wood.	Sq,m	290.95	1195.50	
1201808000	2nd class Chil wood.	Sq,m	290.95	1089.00	

WIRE GAUGE SHUTTERS

1201900000	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws.				
1201901000	40 mm thick				
1201901010	1st class indian teak wood	Sq.m	302.80	3438.50	
1201901020	2nd class Indian teak wood.	Sq,m	302.80	2854.75	
1201901030	1st class Deodar wood.	Sq,m	200.90	1983.00	
1201901040	2nd class deodar wood.	Sq,m	200.90	1958.00	
1201901050	1st class Kail wood.	Sq,m	200.90	1958.00	
1201901060	2nd class Kail wood.	Sq,m	200.90	4575.90	
1201901070	1st class Chil wood.	Sq,m	200.90	1012.65	
1201902000	30mm thick				
1201902010	1st class india teak wood	Sq.m	225.70	2677.80	
1201902020	2nd class Indian teak wood.	Sq,m	225.70	2227.20	
1201902030	1st class Deodar wood.	Sq,m	150.45	1557.60	
1201902040	2nd class deodar wood.	Sq,m	150.45	1538.30	
1201902050	1st class Kail wood.	Sq,m	150.45	1538.30	
1201902060	2nd class Kail wood.	Sq,m	150.45	1243.35	
1201902070	1st class Chil wood.	Sq,m	150.45	808.60	
1201902080	2nd class chil wood	Sq,m	150.45	745.00	
1202000000	Extra for providing and fixing galvanised M.S. wire gauge of I.S.				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	gauge designation No. 140 g to doors, window and clerestory windows with wire of dia 0.71 mm instead of I.S. gauge designation no. 85 g with wire of dia 0.56 mm	Sq.m		33.80	
	LOUVERED SHUTTERS				
1202100000	Providing and fixing 45mm thick louvered shutters with fixed venetain 12 mm thick for windows including black enamrlled/bright finished M.S. butt hinges with necessary screws.				
1202101000	1st class indian teak wood	Sq.m	254.90	4402.55	
1202102000	2nd class Indian teak wood.	Sq.m	254.90	3608.15	
1202103000	1st class Deodar wood.	Sq.m	175.75	2481.20	
1202104000	2nd class deodar wood.	Sq.m	175.75	2447.10	
1202105000	1st class Kail wood.	Sq.m	175.75	2447.10	
1202106000	2nd class Kail wood.	Sq.m	175.75	1927.10	
1202107000	1st class Chil wood.	Sq.m	175.75	1160.60	
1202108000	2nd class chil wood	Sq.m	175.75	1048.45	
1202200000	Providing and fixing 40 mm wide louvered shutters with fixed venetain 12 mm thick for windows including black enamelled/bright finished M.S. butt hinges with necessary screws.				
1202201000	1st class indian teak wood	Sq.m	254.90	3985.40	
1202202000	2nd class Indian teak wood.	Sq.m	254.90	3269.50	
1202203000	1st class Deodar wood.	Sq.m	175.75	2246.05	
1202204000	2nd class deodar wood.	Sq.m	175.75	2215.35	
1202205000	1st class Kail wood.	Sq.m	175.75	2215.35	
1202206000	2nd class Kail wood.	Sq.m	175.75	1746.75	
1202207000	1st class Chil wood.	Sq.m	175.75	1055.90	
1202208000	2nd class chil wood	Sq.m	175.75	954.90	
1202300000	Providing and fixing louvers 50 mm wide in greeves in cleare story windows frames excluding the cost of frames. (i) 12mm thick				
1202301000	1st class india teak wood	Sq.m	196.95	1932.30	
1202302000	2nd class Indian teak wood.	Sq.m	196.95	1594.40	
1202303000	1st class Deodar wood.	Sq.m	131.50	1083.20	
1202304000	2nd class deodar wood.	Sq.m	131.50	1068.70	
1202305000	1st class Kail wood.	Sq.m	131.50	1068.70	
1202306000	2nd class Kail wood.	Sq.m	131.50	847.50	
1202307000	1st class Chil wood.	Sq.m	131.50	521.40	
1202308000	2nd class chil wood	Sq.m	131.50	473.70	
1202309000	Asbestos cement sheet 6mm thick	Sq.m	86.70	526.00	
1202310000	Glass sheets	Sq.m	86.70	482.10	

GARRAGE DOORS

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1202400000	Providing and fixing 20 mm thick battened garage door shutters with necessary ledger and braces (40mm thick) including bright finished/black enamelled iron pintel) sets with pin clamps fixed in cement concrete block 40x20x20cm 1:3:6 mix (1 cement:3 sand:6 graded stone aggregate 20mm nominal size) and providing C.C. blocks 15x10x20cm 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate to 20mm nominal size) embedded in floor at junctions of two shutters with.				
1202401000	2nd class indian teak wood.	Sq.m	320.20	4557.50	
1202402000	1st class Deodar wood.	Sq.m	213.90	3130.20	
1202403000	2nd class deodar wood.	Sq.m	213.90	3087.25	
	TRELLIS WORK				
1202500000	Providing and fixing plain jafri of 40mmx12mm lath placed 40mm apart (frame to be paid separately including fixing 50 mmx12mm beading complete with.				
1202501000	2nd class indian teak wood.	Sq.m	344.25	1882.60	
1202502000	1st class Deodar wood.	Sq.m	225.80	1273.50	
1202503000	2nd class deodar wood.	Sq.m	225.80	1257.50	
1202504000	1st class Kail wood.	Sq.m	225.80	1257.50	
1202505000	2nd class kail wood.	Sq.m	225.80	1014.00	
1202600000	Providing and fixing plain jafri of door and window shutters including bright finished bright/black enamelled M.S. butt hinges with laths placed 40mm apart (frame to be paid separately including fixing 50 mmx12mm beading complete with.				
1202601000	2nd class indian teak wood.	Sq.m	386.90	3255.50	
1202602000	1st class Deodar wood.	Sq.m	268.45	2240.65	
1202603000	2nd class deodar wood.	Sq.m	268.45	2211.45	
1202604000	1st class Kail wood.	Sq.m	268.45	2211.45	
1202605000	2nd class kail wood.	Sq.m	268.45	1766.60	
	CEILING AND LINING				
1202700000	Providing and fixing plain lining with tongued and groved jointing and screws (frame work and cover fillets to be measured and paid for separately with.				
1202701000	1st class indian teak wood.				
1202701010	12mm thick	Sq.m	170.80	1819.85	
1202701020	20mm thick	Sq.m	170.80	2919.30	
1202701030	25 mm thick	Sq.m	170.80	3606.35	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1202702000	2nd class indian teak wood.				
1202702010	12mm thick	Sq.m	170.80	1498.70	
1202702020	20mm thick	Sq.m	170.80	2383.95	
1202702030	25 mm thick	Sq.m	170.80	2937.25	
1202703000	1st class deodar wood.				
1202703010	12mm thick	Sq.m	116.00	1020.20	
1202703020	20mm thick	Sq.m	116.00	1623.10	
1202703030	25 mm thick	Sq.m	116.00	1999.85	
1202704000	2nd class deodar wood.				
1202704010	12mm thick	Sq.m	116.00	1006.45	
1202704020	20mm thick	Sq.m	116.00	1600.10	
1202704030	25 mm thick	Sq.m	116.00	1971.15	
1202705000	First class kail wood				
1202705010	12mm thick	Sq.m	116.00	1006.45	
1202705020	20mm thick	Sq.m	116.00	1600.10	
1202705030	25 mm thick	Sq.m	116.00	1971.15	
1202706000	2nd class kail wood				
1202706010	12mm thick	Sq.m	116.00	796.25	
1202706020	20mm thick	Sq.m	116.00	1249.70	
1202706030	25 mm thick	Sq.m	116.00	1533.20	
1202800000	Providing and fixing plain skirting with butt jointing and screws (frame work and cover fillets to be measured and paid for separately) with.				
1202801000	1st class indian teak wood.				
1202801010	12mm thick	Sq.m	148.20	1647.55	
1202801020	20mm thick	Sq.m	148.20	2647.10	
1202801030	25 mm thick	Sq.m	148.20	3271.85	
1202802000	2nd class indian teak wood.				
1202802010	12mm thick	Sq.m	148.20	1355.55	
1202802020	20mm thick	Sq.m	148.20	2160.45	
1202802030	25 mm thick	Sq.m	148.20	2663.55	
1202803000	First class deodar wood.				
1202803010	12mm thick	Sq.m	92.20	914.45	
1202803020	20mm thick	Sq.m	92.20	1462.65	
1202803030	25 mm thick	Sq.m	92.20	1805.25	
1202804000	2nd class deodar wood.				
1202804010	12mm thick	Sq.m	92.20	901.90	
1202804020	20mm thick	Sq.m	92.20	1441.75	
1202804030	25 mm thick	Sq.m	92.20	1779.15	
1202805000	First class kail wood.				
1202805010	12mm thick	Sq.m	92.20	901.90	
1202805020	20mm thick	Sq.m	92.20	1441.75	
1202805030	25 mm thick	Sq.m	92.20	1779.15	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1202806000	2nd class kail wood.				
1202806010	12mm thick	Sq.m	92.20	710.80	
1202806020	20mm thick	Sq.m	92.20	1123.20	
1202806030	25 mm thick	Sq.m	92.20	1381.00	
1202900000	Deduct for butt jointing in place of tongued and grooved type jointing from item no. 1202700000	sq.m	22.60	22.60	
1203000000	Providing and fixing insulation board lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately)				
1203001000	9 mm thick	Sq.m	20.00	420.20	
1203002000	12 mm thick	Sq.m	20.00	444.35	
1203003000	18 mm thick	Sq.m	20.00	528.90	
1203004000	25 mm thick	Sq.m	20.00	770.35	
1203100000	Providing and fixing particle board lining with butt jointing and nails (frame work and cover fillets to be measured and paid separately)				
1203101000	12 mm thick	Sq.m	20.00	384.00	
1203102000	19 mm thick	Sq.m	20.00	504.70	
1203103000	25 mm thick	Sq.m	20.00	625.50	
1203200000	Providing and fixing standard quality hard board sheet lining with butt jointing and nails (frame work and cover fillets to be measured an paid for separately)				
1203201000	3 mm thick	Sq.m	20.00	190.75	
1203202000	4.5 mm thick	Sq.m	20.00	287.35	
1203203000	6 mm thick	Sq.m	20.00	384.00	
1203204000	9 mm thick	Sq.m	20.00	408.10	
1203300000	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately)				
1203301000	3 mm thick	Sq.m	27.90	192.35	
1203302000	4 mm thick	Sq.m	27.90	228.60	
1203303000	6 mm thick	Sq.m	27.90	337.25	
1203400000	Providing and fixing veneered decorative plywood lining with decorative surface on one face with butt jointing and nails (frame work and cover fillets to be measured and paid for separately)				
1203401000	4 mm thick ply-3ply.	Sq.m	27.90	301.00	
1203500000	Providing and fixing commercial ply wood ceiling of approved quality with butt jointing and nails (frame				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	work and cover fillets to be paid for separately)				
1203501000	3 mm thick	Sq.m	18.90	180.45	
1203502000	commercial ply 4 mm thick	Sq.m	18.90	216.70	
1203503000	6 mm thick	Sq.m	18.90	325.35	
1203600000	Extra for fixing plywood with wood screws in place of nails.				
		Sq.m	9.00	11.85	
1203700000	Extra for fixing the plywood with brass screws and caps in place of nails.				
		Sq.m	9.00	14.70	
1203800000	Providing and fixing plain asbestos sheet lining with butt jointing and wood screws (frame work and cover) fillets to be measured and paid for separately)				
1203801000	4 mm thick	Sq.m	31.50	216.45	
1203802000	5 mm thick	Sq.m	31.50	229.10	
1203803000	6 mm thick	Sq.m	31.50	311.30	
1203900000	Providing and fixing plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately)				
1203901000	4 mm thick	Sq.m	26.35	210.75	
1203902000	5 mm thick	Sq.m	26.35	223.75	
1203903000	6 mm thick.	Sq.m	26.35	306.30	
	PLANK CEILING				
1204000000	Providing and fixing wooden plank ceiling with tongued and grooved jointing and wood screws (frame work and cover fillets to be measured and paid for separately)				
1204001000	First class indian teak wood.				
1204001010	12 mm thick	Sq.m	164.05	1668.00	
1204001020	20 mm thick	Sq.m	164.05	2670.30	
1204001030	25 mm thick	Sq.m	164.05	3298.75	
1204002000	1st class deodar wood.				
1204002010	12 mm thick	Sq.m	111.30	938.20	
1204002020	20 mm thick	Sq.m	111.30	1489.10	
1204002030	25 mm thick	Sq.m	111.30	1835.40	
1204003000	1st class kail wood.				
1204003010	12 mm thick	Sq.m	111.30	925.65	
1204003020	20 mm thick	Sq.m	111.30	1468.25	
1204003030	25 mm thick	Sq.m	111.30	1809.30	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1204004000	Deduct for butt jointing in place of tongued and grooved jointing from item No. 1204000000	Sq.m	22.60		
1204100000	Providing and fixing wooden plank ceiling with planks over lapping each other and jointed with wood screws (frame work to be paid for separately)				
1204101000	1st class deodar wood.				
1204101010	12 mm thick	Sq.m	79.70	981.35	
1204101020	20 mm thick	Sq.m	79.70	1582.10	
1204101030	25 mm thick	Sq.m	79.70	1959.50	
1204102000	1st class kail wood.				
1204102010	12 mm thick	Sq.m	79.70	967.70	
1204102020	20 mm thick	Sq.m	79.70	1559.30	
1204102030	25 mm thick	Sq.m	79.70	1931.10	
1204200000	Extra for providing and fixing ceiling to curved surfaces in narrow width not exceeding 1.50m.	Sq.m	72.60		
1204300000	Extra for circular cuttings and waste in ceiling.				
1204301000	1st Class indian teak wood.				
1204301010	12 mm thick	Metre	90.90	373.25	
1204301020	20 mm thick	Metre	90.90	561.40	
1204301030	25 mm thick	Metre	90.90	679.35	
1204302000	1st Class deodar wood.				
1204302010	12 mm thick	Metre	61.05	216.30	
1204302020	20 mm thick	Metre	61.05	319.70	
1204302030	25 mm thick	Metre	61.05	384.70	
1204303000	1st class kail wood.				
1204303010	12 mm thick	Metre	61.05	213.90	
1204303020	20 mm thick	Metre	61.05	315.80	
1204303030	25 mm thick	Metre	61.05	379.80	
	EAVES BOARD AND WEATHER BOARD				
1204400000	Providing eaves board 100mm x25mm. thick including fixing in position				
1204401000	1st class indian teak wood.	R/Metre	61.80	379.85	
1204402000	2nd class indian teak wood.	R/Metre	61.80	317.90	
1204403000	1st class deodar wood.	R/Metre	41.50	215.90	
1204404000	2nd class deodar wood.	R/Metre	41.50	213.25	
1204500000	Providing eaves board 200mmx25mm thick including fixing in position				
1204501000	1st class indian teak wood.	R/Metre	68.45	693.20	
1204502000	2nd class indian teak wood.	R/Metre	68.45	571.50	
1204503000	1st class deodar wood.	R/Metre	45.65	388.25	
1204504000	2nd class deodar wood.	R/Metre	45.65	383.00	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1204600000	Providing weather board 100mmx25mm thick including fixing in position				
1204601000	1st class indian teak wood.	R/Metre	41.40	359.45	
1204602000	2nd class indian teak wood.	R/Metre	41.40	297.50	
1204603000	1st class deodar wood.	R/Metre	27.60	202.00	
1204604000	2nd class deodar wood.	R/Metre	27.60	199.35	
	BEADING				
1204700000	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions.				
1204701000	1st class indian teak wood.	Metre	18.30	83.00	
1204702000	1st class deodar wood.	Metre	12.30	49.85	
1204703000	1st class kail wood.	Metre	12.30	49.35	
1204800000	Providing and fixing plain square edged cover fillets (beading) 50mmx12mm section, with wood screws in ceiling and lining including mitring at junction.				
1204801000	1st class indian teak wood.	Metre	18.30	97.80	
1204802000	1st class deodar wood.	Metre	12.30	57.95	
1204803000	1st class kail wood.	Metre	12.30	57.30	
1204900000	Providing and fixing plain square edged cover fillets (beading) 60mmx12mm section with wood screws in ceiling and lining including mitring at junctions.				
1204901000	1st class indian teak wood.	Metre	18.30	112.55	
1204902000	1st class deodar wood.	Metre	12.30	66.05	
1204903000	1st class kail wood.	Metre	12.30	65.30	
1205000000	Extra for making chamfered edges of beading.	Metre	6.10		
1205100000	Providing and fixing asbestos cement sheet cover strips 50mmx6.5mm with levelled edged over joints with wood screws including mitring at junctions.	Metre	18.30	39.30	
1205200000	Providing 10 mm thick plaster of paris (Gypsum unhydrous) ceiling upto a height of 5 metres above floor level over first class kail wood stripes 25mmx6mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	measured and paid for separately).				
1205201000	Flat surfaces.	Sq.m	171.20	1188.95	
1205202000	Curved surfaces	Sq.m	247.25	1265.00	
1205300000	Extra over item No. 1205200000 for any sunk or raised moulding in plaster of paris.	Sq.m	106.95	405.80	
1205400000	Extra over item No. 1205200000 for providing plaster of paris ceiling above 5 metres height from floor	Sq.m	41.85		
1205500000	Providing and fixing 12 mm thick plaster of paris. (Gypsum unhydrous) ceiling tiles upto 5 metres above floor level over wooden frames and rendered smooth with plaster of paris (Frame work to be measured and paid for separately)	Sq.m	168.85	686.80	
1205600000	Extra for providing and fixing plaster of paris (Gypsum unhydrous) ceiling tiles above 5 metres height from floor level.	Sq.m	19.40		
	CLOTH CEILING				
1205700000	Providing and fixing cloth ceiling with nails (frame work and cover fillets to be measured and paid for separately)				
1205701000	Textile cloth	Sq.m	22.10	56.20	
1205702000	Hessian cloth.	Sq.m	22.10	62.50	
1205703000	Canvas cloth	Sq.m	22.10	68.85	
	MISCELLANEOUS WOOD WORK				
1205800000	Providing and fixing compound gate as per standard design including M.S. straps clamps pintel sets with pin clamps fixed in cement concrete blocks 50x30x20cm of 1:3:6 (1 cement :3 sand :6 graded stone aggregate 20mm nominal size complete with.				
1205801000	1st class deodar wood.	Sq.m	175.70	2959.05	
1205802000	2nd class deodar wood.	Sq.m	175.70	2921.95	
1205803000	1st class kail wood.	Sq.m	175.70	2921.95	
1205804000	2nd class kail wood.	Sq.m	175.70	2355.40	
1205900000	Providing 50x50x50mm wooden plugs including cutting bricks/stone work and fixing in cement mortar 1:3 (1 cement : 3 sand) and making good the walls etc.				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1205901000	2nd class indian teak wood.	Each	4.20	16.90	
1205902000	2nd class deodar wood.	Each	4.20	12.75	
1206000000	Providing and fixing 40 mm thick plain framed panelling with necessary screws priming coat on unexposed surface etc. complete. with.				
1206001000	1st class indian teak wood	Sq.m	544.00	5013.55	
1206002000	2nd class indian teak wood.	Sq.m	544.00	3934.90	
1206003000	1st class deodar wood.	Sq.m	394.90	2701.35	
1206004000	2nd class deodar wood.	Sq.m	394.90	2667.95	
1206100000	Providing and fixing wooden ground 50x25 mm including priming coat complete.				
1206101000	2nd class indian teak wood.	cum	57641.25	165128.60	
1206102000	2nd class deodar wood.	cum	37895.25	113819.00	
1206200000	Providing and fixing jamb lining with necessary screws, priming coat on unexposed surface etc, complete with.				
1206201000	40mm thick				
1206201010	First class indian teak wood.	Sq.m	714.40	5959.25	
1206201020	1st class deodar wood.	Sq.m	563.30	3474.10	
1206202000	25mm thick				
1206202010	First class indian teak wood.	Sq.m	714.40	4085.10	
1206202020	1st class deodar wood.	Sq.m	563.30	2446.25	
1206300000	Providing and fixing 12mm thick and 100 mm wide palmet with 25mm diameter wooden curtain rod and brackets including fixing with 25x3mm M.S. flat 10 cm long and plugs etc. complete.				
1206301000	First class indian teak wood.	Metre	63.25	491.15	
1206302000	2nd class indian teak wood.	Metre	63.25	410.85	
1206303000	1st class deodar wood.	Metre	45.00	283.65	
1206304000	1st class kail wood	Metre	45.00	280.20	
1206400000	Providing and fixing 12mm thick 150mm wide pelmet with 25 mm diametre wooden curtain rods and brackets including fixing 25x3mm M.S. flat at 10 cm. Long and plugs etc. complete.				
1206401000	First class indian teak wood.	Metre	95.25	593.00	
1206402000	2nd class indian teak wood.	Metre	74.85	478.95	
1206403000	1st class deodar wood.	Metre	55.60	332.00	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1206404000	1st class kail wood	Metre	55.60	329.40	
1206500000	Providing and fixing brass curtain rail with rollers stop ends and brackets in pelmets instead of wooden curtain rod 25 mm dia and brackets of first class deodar wood (actuallenght) of rails of be measured.	Metre	2.90	74.20	
1206600000	Providing and fixing 25mm diameter curtain rods with brackets, plugs etc. where ever required.				
1206601000	First class indian teak wood.	Metre	25.10	120.20	
1206602000	2nd class indian teak wood.	Metre	25.10	104.35	
1206603000	1st class deodar wood.	Metre	18.15	72.35	
1206604000	2nd class deodar wood.	Metre	18.15	72.00	
1206700000	Providing and fixing 40mm panelled. glazed or panelled and glazed partitions fixing to frame with iron screws etc complete (frame to be paid for separately) with :-				
1206701010	First class indian teak wood.	Sq.m	618.40	4283.40	
1206701020	2nd class indian teak wood.	Sq.m	618.40	3582.90	
1206701030	1st class deodar wood.	Sq.m	417.75	2458.35	
1206701040	2nd class deodar wood.	Sq.m	417.75	2428.30	
1206702000	Extra for superior type of glass panes used instead of ordinary glass panes in 40 mm panelled glazed or panelled and glazed partitions.				
1206702010	4 mm thick glass.	Sq.m		13.60	
1206702020	plate glass 5.5 mm thick	Sq.m		40.80	
1206702030	Frosted glass 3 mm thick	Sq.m		13.60	
1206702040	Deduct in case pin head glass 3mm thick is used instead of ordinary glass panes.	sq.m		24.50	
1206702050	Extra for wired glass 6 mm thick	Sq.m		80.75	
1206800000	25mm thick wooden shelves supported on 40x40 mmx6mm or L iron brackets fixed at suitable distance 7.5x7.5x15 cm=block of cement concrete mix 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 30 mm nominal size) with:				
1206801000	2nd class indian teak wood.	sq.m	272.90	3282.80	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1206802000	1st class deodar wood.	Sq.m	187.35	2370.70	
1206803000	1st class kail wood	Sq.m	187.35	2341.70	
1206900000	40 mm thick wooden shelves supported on 40x40x6mm T or L iron brackets fixed at suitable distances but not exceeding 75 cm apart in 7.5x7.5x15 cm. Blocks of cement concrete mix 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) with :				
1206901000	2nd class indian teak wood.	Sq.m	272.90	4713.80	
1206902000	1st class deodar wood.	Sq.m	187.40	3344.60	
1206903000	1st class kail wood.	Sq.m	187.40	3302.80	
1207000000	Providing and fixing M.S. round or square bars at required spacings in wooden frames of windows and clerestory windows	Kg.	8.50	62.40	
1207100000	Providing and fixing M.S. Round or Square bars with M.S. Flats at required spacings in wooden frames of windows and clerestory windows.	Kg	11.95	66.35	
1207200000	Providing and fixing M.S. grills of required patterns in wooden frames of windows etc. with M.S. Flats, square or round bars with round headed bolts and nuts or by screws.				
1207201000	Plain grill.	Kg.	20.70	75.50	
1207202000	Ornamental Crill.	Kg.	37.50	94.70	
1207300000	Providing and fixing expanded metal 20x6mm strands 2.50mm wide and 1.25 mm thick for windows etc. including 60x20 mm beading of 2nd class indian teak wood.	Sq.m.	78.95	655.45	
1207400000	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not les than 7.75 kg per sq.m to window frames etc. including 60x20 mm beading of 2nd class indian teak wood.	Sq.m.	75.20	929.35	
1207500000	Providing and fixing fly proof galvanised M.S. wire gauge of IS gauge designation 85 g with wire of dia				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	0.56 mm to windows and clerestory windows including 60x20 mm beading of.				
1207501000	1st class indian teak wood.	Sq.m	71.50	723.50	
1207502000	2nd class indian teak wood.	Sq.m	71.50	628.70	
1207503000	1st class deodar wood.	Sq.m	48.60	480.75	
1207504000	2nd class deodar wood.	Sq.m	48.60	476.70	
1207600000	Providing and fixing fly proof galvanised M.S. wire gauge of IS gauge designation 140 g with wire of dia 0.71 mm to windows and clerestory windows including 60x20 mm beading of:				
1207601000	1st class indian teak wood.	Sq.m	71.50	780.30	
1207602000	2nd class indian teak wood.	Sq.m	71.50	685.50	
1207603000	1st class deodar wood.	Sq.m	48.60	537.50	
1207604000	2nd class deodar wood.	Sq.m	48.60	533.45	
1207700000	Extra for fixing 75x25 mm hard drwan steel wire fabric of weight not less than 7.75 kg per sqm. In panelled glazed door and wondow shutters instead of 2 to 3 mm thick glass.	Sq.m		63.25	
1207800000	Providing 40x3 mm flat iron hold fast 40cm. Long including fixing to frame with 10mm diameter bolts & nuts and wooden plugs and embedding in cement concrete block 30x10x15cm. 1:3:6 (1 cement : 3 sand: 6 graded stone aggregate 20mm nominal size)	Each	16.10	57.50	
1207900000	Providing beams including hosting, fixing in position and applying a cost of wood preservative the unexposed surfaces etc. complete with.				
1207901000	1st class deodar wood.	Cum	2288.70	65831.50	
1207902000	2nd class deodar wood.	Cum	2288.70	64860.30	
1207903000	1st class kail wood.	Cum	2288.70	64860.30	
1207904000	Sal wood	Cum	2288.70	20733.10	
1208000000	Providing and fixing sal ballies in posts purlins, refters, post plates etc. including cost of iron nails and spikes required and applying wood preservative on all unexposed surface.				
1208001000	80 mm dia sal ballies.	meter	6.95	200.45	
1208002000	100mm dia 3.60 metre long sal ballies.	meter	10.25	205.80	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1208003000	125mm dia 3.60 metre long sal ballies.	meter	13.15	211.90	
1208004000	150mm dia sal ballies.	meter	16.05	218.80	
1208100000	Providing and fixing sal ballies in trusses including cost of iron nails and spikes required and applying wood preservative on all unexposed surfaces.				
1208101000	80mm dia sal balies	metres	21.00	220.80	
1208102000	100mm dia sal balies	metres	21.00	224.80	
1208103000	125 mm dia sal balies	metres	21.00	230.10	
1208104000	150 mm dia sal balies	metres	21.00	236.65	
1208200000	Providing and fixing stair case hollow post made of 20 mm thick planks including mouldings.				
1208201000	1st class Indian teak wood.	Sq.m	2205.00	4427.35	
1208202000	2nd class Indian teak wood.	Sq.m	2205.00	3994.60	
1208203000	1st class deodar wood.	Sq.m	1460.10	2678.90	
1208204000	2nd class deodar wood.	Sq.m	1460.10	2660.30	
1208205000	1st class kail wood.	Sq.m	1460.10	2660.30	
1208206000	2nd class kail wood.	Sq.m	1460.10	2377.00	
1208300000	Providing and fixing 30mm wrought treads with rounded nosing and 20mm wrought risers tongued both edges glude wedged and blocked complete in.				
1208301000	1st class indian teak wood.	Sq.m	577.50	5763.00	
1208302000	1st class indian teak wood.	Sq.m	577.50	4753.20	
1208303000	1st class deodar wood.	Sq.m	376.65	3220.45	
1208304000	2nd class deodar wood.	Sq.m	376.65	3177.10	
1208305000	1st class kail wood.	Sq.m	376.65	3177.10	
1208306000	2nd class kail wood.	Sq.m	376.65	2515.15	
1208400000	Providing and fixing 40mm wrought treads with rounded nosing and 25mm wrought risers tongued both edges glude wedged and blocked complete in.				
1208401000	1st class indian teak wood.	Sq.m	712.40	7132.55	
1208402000	2nd class indian teak wood.	Sq.m	712.40	5882.25	
1208403000	1st class deodar wood.	Sq.m	469.00	3989.85	
1208404000	2nd class deodat wood	Sq.m	469.00	3936.20	
1208405000	1st class kail wood.	Sq.m	469.00	3936.20	
1208406000	2nd class kail wood.	Sq.m	469.00	3117.85	
1208600000	Providing and fixing rounded nosing 75mm wide and 30 to 40 mm thick fixed to edges of landing to match stair treads rebated to suit thickness of flooring				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
-----------	-------------	------	-------------	--------------	---------

including returned edges complete in.

1208601000	1st class Indian teak wood.	Metre	142.90	515.30	
1208602000	2nd class Indian teak wood.	Metre	142.90	442.80	
1208603000	1st class deodar wood	Metre	93.20	297.45	
1208604000	2nd class deodar wood	Metre	93.20	294.35	
1208605000	1st class kail wood.	Metre	93.20	294.35	
1208606000	2nd class kail wood.	Metre	93.20	246.85	

1208700000 Providing and fixing wall stringers 20 cm wide 40mm thick in straight lengths, wrought one side, edges shot, housed for treads and risers including plugging walls etc. complete in.

1208701000	1st class Indian teak wood.	Metre	176.70	1104.90	
1208702000	2nd class Indian teak wood.	Metre	176.70	923.80	
1208703000	1st class deodar wood.	Metre	115.45	623.70	
1208704000	2nd class deodar wood.	Metre	115.45	615.90	
1208705000	1st class kail wood	Metre	115.45	615.90	
1208706000	2nd class kail wood	Metre	115.45	497.40	

1208800000 Extra for fixing outer stringers 20 cm wide, 40mm thick in straight length wrought, both sides edges shot, housed for treads and risers tongued at ends to fit newel posts or notched landing etc. complete in.

Metre 12.10

1208900000 Extra for each additional 25mm width of stringers 40mm thick

Rate @ 7.5% of item no 12087 plus Rs. 5.00 er metre run

1209000000 Providing and fixing 75 mm x 60mm rounded hand rails in straight length complete in.

1209001000	1st class indian teak wood.	Metre	108.40	655.40	
1209002000	2nd class indian teak wood.	Metre	108.40	548.70	
1209003000	1st class deodar wood.	Metre	71.80	371.40	
1209004000	2nd class deodar wood.	Metre	71.80	366.80	
1209005000	1st class kail wood.	Metre	71.80	366.80	
1209006000	2nd class kail wood.	Metre	71.80	296.90	

1209100000 Providing and fixing 75mm x60mm moulded hand rails in straight length complete.

Rate as per

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1209200000	Extra for hand rails if sunk to receive iron core	Metre	30.25		item No. 12090 plus 50% extra for moulded work
1209300000	Providing and fixing 75 mm x 60 mm caps turned to match the hand rails and mitred in including hand rails screws and dowels (dia of cap to be twice the width of hand rail)				
1209301000	1st class indian teak wood.	Each	215.50	372.40	
1209302000	2nd class indian teak wood.	Each	215.50	341.75	
1209303000	1st class deodar wood.	Each	145.20	231.10	
1209304000	2nd class deodar wood.	Each	145.20	229.80	
1209305000	1st class kail wood.	Each	145.20	229.80	
1209306000	2nd class kail wood.	Each	145.20	209.75	
1209400000	Providing and fixing 75 mm x60mm scrolls to suit to rounded hand rail (dia of scroll to be 3 time for width of hand rail)				
	Rate double the rate of item No. 1209300000 for each scroll				
1209500000	Providing and fixing 75mm x 60 mm scrolls to suit to moulded hand rail (dia of scroll to be 3 time for width of hand rail)				
	Rate double the rate of item No. 1209400000 plus 50% extra for each scroll				
1209600000	Providing mortices for strings and hand rails.				
1209601000	with sectional area exceeding 100mmx100mm wrought with square rounded chamfered or strep chamfered edges:				
1209601010	1st class indian teak wood.	cum.	4341.60	121336.00	
1209601020	2nd class indian teak wood.	cum.	4341.60	98511.00	
1209601030	1st class deodar wood.	cum.	2883.10	66946.20	
1209601040	2nd class deodar wood.	cum.	2883.10	65966.00	
1209601050	1st class kail wood	cum.	2883.10	65966.00	
1209601060	2nd class kail wood	cum.	2883.10	51025.50	
1209602000	With sectional area not exceeding 100mmx100mm				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	wrought with square rounded chamfered or step chamfered edges.				
1209602010	1st class indian teak wood.	cum.	9376.25	125397.00	
1209602020	2nd class indian teak wood.	cum.	9376.25	102762.50	
1209602030	1st class deodar wood.	cum.	6054.80	69584.00	
1209602040	2nd class deodar wood.	cum.	6054.80	68612.00	
1209602050	1st class kail wood	cum.	6054.80	68612.00	
1209602060	2nd class kail wood	cum.	6054.80	53796.00	
1209700000	Providing rounded and mitred ends to top of newls.	Each	92.30		
1209800000	Providing and fixing weathered and mitred cap (with bed moulding under) to tops of newls complete in.				
1209801000	1st class indian teak wood.	Each	204.00	590.70	
1209802000	2nd class indian teak wood.	Each	204.00	515.25	
1209803000	1st class deodar wood.	Each	136.00	347.75	
1209804000	2nd class deodar wood.	Each	136.00	344.50	
1209805000	1st class kail wood	Each	136.00	344.50	
1209806000	2nd class kail wood	Each	136.00	295.10	
1209900000	Providing and fixing turned caps (or pendants) with ball ornaments to tops or bottoms of newels (up to 100mm. In section) with glued and dowelled joint complete in.				
1209901000	1st class indian teak wood.	Each	291.65	556.85	
1209902000	2nd class indian teak wood.	Each	291.65	505.10	
1209903000	1st class deodar wood.	Each	193.60	338.85	
1209904000	2nd class deodar wood.	Each	193.60	336.60	
1209905000	1st class kail wood	Each	193.60	336.60	
1209906000	2nd class kail wood	Each	193.60	302.75	
1210000000	Providing and fixing turned caps (or pendants) with ball ornaments to tops or bottoms of newels exceeding 100mmx100mm but not exceeding 150mmx150mm in section with glued and dowelled joints complete in.				
1210001000	1st class indian teak wood.	Each	586.60	1017.50	
1210002000	2nd class indian teak wood.	Each	580.90	927.70	
1210003000	1st class deodar wood.	Each	387.25	623.20	
1210004000	2nd class deodar wood.	Each	387.25	619.60	
1210005000	1st class kail wood	Each	387.25	619.60	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1210006000	2nd class kail wood	Each	387.25	564.60	
1210100000	Providing and fixing 25mm + 25mm balusters 25mmx25mm square wrought fixed with ends housed (square or splay) to hand rails and treads or strings complete in.				
1210101000	1st class indian teak wood.	Metre	118.90	191.45	
1210102000	2nd class indian teak wood.	Metre	118.90	177.30	
1210103000	1st class deodar wood.	Metre	79.50	119.20	
1210104000	2nd class deodar wood.	Metre	79.50	118.60	
1210105000	1st class kail wood	Metre	79.50	118.60	
1210106000	2nd class kail wood	Metre	79.50	109.30	
1210200000	Conversion of timber from sleeper to scantling				
1210201000	1st class indian teak wood.	cum		95935.00	
1210202000	2nd class indian teak wood.	cum		77190.00	
1210203000	1st class deodar wood.	cum		52465.00	
1210204000	2nd class deodar wood.	cum		51660.00	
1210205000	1st class kail	cum		51660.00	
1210206000	2nd class kail	cum		39390.00	
1210207000	1st class chil wood.	cum		21300.00	
1210208000	2nd class chil wood.	cum		18650.00	
1210209000	sal wood.	cum		15090.00	
1210300000	Conversion of timber from sleepers to planks.				
1210301000	1st class indian teak wood.	Cum		98625.00	
1210302000	2nd class indian teak wood.	Cum		79390.00	
1210303000	1st class deodar wood.	Cum		54020.00	
1210304000	2nd class deodar wood.	Cum		53195.00	
1210305000	1st class kail wood	Cum		53195.00	
1210306000	2nd class kail wood	Cum		40605.00	
1210307000	1st class chil wood.	Cum		22045.00	
1210308000	2nd class chil wood.	Cum		19330.00	
1210309000	sal wood.	Cum		15670.00	
	Fittings (Aluminium Anodised)				
1210400000	Providing and fixing anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete.				
1210401000	300x16mm	Each	12.15	150.95	
1210402000	250x16mm	Each	12.15	139.45	
1210500000	Providing and fixing aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete.				
1210501000	300x10mm	Each	2.40	73.95	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1210502000	250x10mm	Each	2.40	62.45	
1210503000	200x10mm	Each	2.40	50.95	
1210504000	150x10mm	Each	2.40	45.20	
1210505000	100x10mm	Each	2.40	33.60	
1210600000	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete.				
1210601000	125 mm	Each	1.45	31.50	
1210602000	100 mm	Each	1.45	25.70	
1210603000	75 mm	Each	1.45	23.40	
1210700000	Providing and fixing anodized aluminium fan light pivot with necessary screws.				
		Each	1.70	20.90	
1210800000	Providing and fixing anodized aluminium fan light catch with necessary screws complete.				
		Each	1.70	31.70	
1210900000	Providing and fixing 300mm long anodized aluminium chain for fan light catch including necessary screws complete.				
		Each	2.40	32.40	
1211000000	Providing and fixing bright finished brass sliding door-bolts with nuts and screws etc. complete.				
1211001000	300x15 mm	Each	9.95	585.15	
1211002000	200X16mm	Each	9.95	470.15	
1211100000	Providing fixing bright finished brass tower bolts (barrel type) with screws etc. complete.				
1211101000	250x10 mm	Each	2.40	243.10	
1211102000	200x10 mm	Each	2.40	229.50	
1211103000	150x10 mm	Each	1.95	169.30	
1211104000	100x10 mm	Each	1.95	117.60	
1211200000	Providing and fixing bright finished brass flush bolt with necessary screws ect. Complete				
1211201000	250mm	Each	4.85	212.55	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1211202000	150mm	Each	4.10	137.00	
1211203000	100 mm	Each	4.10	114.00	
1211300000	Providing and fixing bright finished brass handles with screws etc. complete.				
1211301000	125mm	Each	1.45	155.25	
1211302000	100 mm,	Each	1.45	120.70	
1211303000	75 mm	Each	1.45	91.95	
1211403000	Providing and fixing bright finished brass furniture handles	Each	1.45	40.20	
1211500000	Providing and fixing brass door latch with necessary screws etc. complete.				
1211501000	300x16x5mm.	Each	2.90	144.70	
1211502000	250x16x5mm.	Each	2.90	138.95	
1211600000	Providing and fixing bright finished brass 100mm. Mortice latch and lock and a pair of levers, handles with necessary screws etc. complete (indian make of approved quality)	Each	41.30	664.60	
1211700000	Providing and fixing bright finished brass 100mm. Mortice latch with one dead bolt and a pair of levers, handles with necessary screws etc. complete (indian make of approved quality)	Each	41.30	618.60	
1211800000	Providing and fixing 100mm bright finished brass rim latch and lock a pair of knobs with necessary screws etc. complete (indian make of approved quality)	Each	41.30	641.60	
1211900000	Providing and fixing 100mm bright finished brass rim latch with a dead bolt and pair of knobs with necessary screws etc. complete (Indian make of approved quality)	Each	41.30	446.10	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1212000000	Providing and fixing 50mm bright finished brass cup board or ward robe knob.	Each	3.40	38.00	
1212100000	Providing and fixing 100mm bright finished brass floor door stopper with rubber cushion screws etc. to suit shutter thickness complete	each	2.10	182.10	
1212200000	Providing and fixing bright finished hard drawn hooks and eyes.				
1212201000	300 mm	Each	1.45	50.00	
1212202000	250 mm	Each	1.45	47.60	
1212203000	200 mm	Each	1.45	45.30	
1212204000	150 mm	Each	1.45	41.80	
1212205000	100 mm	Each	1.45	36.10	
1212300000	Providing and fixing bright finished brass casement window fastner with necessary screws etc. complete	Each	2.40	52.70	
1212400000	Providing and fixing bright finished casement stays (straight peg type) with necessary screws etc. complete.				
1212401000	300 mm weighing not less than 0.33 kg.	Each	1.95	121.20	
1212402000	250 mm weighing not less than 0.28 kg.	Each	1.95	98.20	
1212403000	200 mm weighing not less than 0.24 kg.	Each	1.95	86.70	
1212500000	Providing and fixing bright finished brass quadrant stays 300 mm long with necessary screws etc. complete.	Each	2.40	98.70	
1212600000	Providing and fixing bright finished brass fan light pivot with necessary screws etc. complete	Each	1.95	32.40	
1212700000	Providing and fixing bright finished brass fan light catch with necessary screws etc. complete.	Each	1.70	25.70	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1212800000	Providing and fixing bright finished brass ball catcher 10 mm dia	Each	3.40	21.00	
1212900000	Providing and fixing 300mm long bright finished brass chain with hooks for fan light including necessary screws etc. complete	Each	2.40	35.40	
1213000000	Providing and fixing bright finished brass heaps and stapples (safety type) with necessary screws etc complete.				
1213001000	150 mm	Each	1.95	96.60	
1213002000	115 mm	Each	1.95	59.85	
1213003000	90 mm	Each	1.95	54.10	
1213100000	Providing and fixing 65x35mm. special quality bright finished brass cup board locks or wardrobe locks with six levers including necessary screws etc. complete. (Indian make of approved quality).	Each	42.40	152.80	
1213200000	Providing and fixing 30 cm long bright finished brass finger plate 65x1.6mm including necessary screws etc. complete	Each	2.35	112.05	
1213300000	Providing and fixing 50cm long bright finished brass kicking plate 100x3.15mm. Including necessary screws etc. complete	Each	2.35	353.60	
1213400000	Providing and fixing chromium plated brass sliding door bolts with nuts and screws etc. complete.				
1213401000	300x16mm.	Each	9.95	642.65	
1213402000	250x16mm.	Each	9.95	516.15	
1213500000	Providing and fixing chromium plated brass 100mm morice latch and lock and six levers with necessary screws etc. complete (indian make)	Each	41.30	618.60	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1213600000	Providing and fixing chromium plated brass 100mm rim latch and lock and pair of knob with necessary screws etc. complete (indian make)	Each	41.30	561.10	
1213700000	Providing and fixing chromium plated brass 100mm dia rim latch with a dead bolt and a pair of knobs with necessary Screws etc. complete (Indian make)	Each	41.30	503.60	
1213800000	Providing and fixing chromium plated brass 50mm cup board or wardrobe knobs with nuts complete	Each	3.40	38.00	
1213900000	Providing and fixing 65x35mm special quality chromium plated brass cup board lock with six leavers including necessary screws etc. complete (Indian make)	Each	35.15	151.30	
M.S. FITTINGS					
1214000000	Providing and fixing M.S. pressed butt hinges with necessary screws. (Copper oxidised)				
1214001000	125x65x2.12mm	Each	4.20	25.40	
1214002000	100x58x1.90mm	Each	4.20	21.00	
1214003000	75x47x1.70mm	Each	4.20	17.55	
1214004000	50x37x1.50mm	Each	1.70	8.50	
1214100000	Providing and fixing oxidized M.S. presses parliamentary hinges with necessary screws etc complete				
1214101000	150x125x27x2.80mm	Each	4.90	54.20	
1214102000	125x125x27x2.80mm	Each	4.90	42.25	
1214103000	100x125x27x2.80mm	Each	4.90	36.50	
1214104000	75x100x20x2.40mm	Each	4.90	29.70	
1214200000	Providing and fixing oxidized M.S. single acting spring hinges with necessary screws etc. complete.				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1214201000	150mm	Each	11.25	112.80	
1214202000	125mm	Each	11.25	107.05	
1214203000	100mm	Each	11.25	81.20	
1214300000	Providing and fixing oxidized M.S. double acting spring hinges with necessary screws.				
1214301000	150mm	Each	11.25	222.05	
1214301000	125mm	Each	11.25	187.55	
1214303000	100mm	Each	11.25	140.65	
1214400000	Providing and fixing oxidized M.S.T. hinges with necessary screws.				
1214401000	300x115x2.24mm	Each	6.15	37.80	
1214402000	250x100x2.24 mm.	Each	6.15	32.05	
1214500000	Providing and fixing oxidized M.S. sliding door bolts with nuts and screws etc. complete.				
1214501000	300x16mm	Each	5.35	70.60	
1214502000	250x16 mm	Each	5.35	64.80	
1214600000	Providing and fixing oxidized M.S. door latch with screws etc. complete.				
1214601000	300x20x6mm	Each	2.60	45.65	
1214602000	250x20x6 mm	Each	2.60	39.90	
1214700000	Providing and fixing oxidised M.S. tower bolts (barrel type) with necessary screws etc. complete.				
1214701000	250x10 mm	Each	2.15	39.75	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1214702000	200x10 mm	Each	2.15	33.40	
1214703000	150x10mm	Each	2.15	27.10	
1214704000	100x10mm	Each	2.15	21.35	
1214800000	Providing and fixing oxidized M.S. handles with the necessary screws etc. complete.				
1214801000	125mm	Each	1.30	14.05	
1214802000	100mm.	Each	1.30	14.05	
1214803000	75mm	Each	1.30	11.75	
1214900000	Providing and fixing oxidized M.S. hooks and eyes.				
1214901000	300 mm.	Each	1.30	18.60	
1214902000	250mm	Each	1.30	15.15	
1214903000	200mm	Each	1.30	12.85	
1214904000	150 mm	Each	1.30	10.55	
1214905000	100mm	Each	1.30	9.40	
1215000000	Providing and fixing oxidized M.S. fan light pivots with necessary screws etc. complete.	Each	1.50	14.45	
1215100000	Providing and fixing oxidized M.S. fan light catch with necessary screws etc. complete.	Each	1.50	11.90	
1215200000	Providing and fixing 300mm long oxidized M.S. chain with hooks for fan light including necessary screws etc. complete.	Each	2.15	14.85	
1215300000	Providing and fixing oxidized M.S. hasps and stapples (safety type) with necessary screws etc. complete.				
1215301000	150mm	Each	1.70	15.60	
1215302000	115 mm	Each	1.70	15.35	
1215303000	90 mm	Each	1.70	13.05	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1215400000	Providing and fixing M.S. pressed butt hinges bright finished with necessary screws etc. complete				
1215401000	125x65x2.12 mm	Each	4.20	21.85	
1215402000	100x58x1.90 mm	Each	4.20	16.90	
1215403000	75x47x1.70 mm	Each	4.20	14.10	
1215404000	50x37x1.50mm	Each	1.70	6.75	
1215500000	Providing and fixing M.S. pressed pariamentry hinges with necessary screws etc. complete.				
1215501000	150x125x27x2.80mm.	Each	4.90	57.15	
1215502000	125x125x27x2.80	Each	4.90	53.80	
1215503000	100x125x27x2.80	Each	4.90	42.30	
1215504000	75x100x20x2.40	Each	4.90	32.10	
1215600000	Providing and fixing M.S. single acting spring hinges bright finished with necessary screws etc. complete.				
1215601000	150mm	Each	11.25	112.85	
1215602000	125 mm	Each	11.25	107.10	
1215603000	100 mm	Each	11.25	83.20	
1215700000	Providing and fixing M.S. double acting spring hinges bright finished with necessary screws etc. complete.				
1215701000	150mm	Each	11.25	222.10	
1215702000	125 mm	Each	11.25	187.60	
1215703000	100 mm	Each	11.25	140.70	
1215800000	Providing and fiixing 1mm thick M.S. piano hinges bright finished with brass				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	plating flange being 35mm wide and fixing with necessary screws.	Metre	42.10	107.70	
1215900000	Providing 1mm thick M.S. piano hinges brightfinished with nickel plating flange being 35mm wide fixing with necessary screws.	Metre	42.10	107.70	
1216000000	Providing and fixing M.S. T-hinges bright finished or/and black enamelled with necessary screws etc complete.				
1216001000	300x115x2.24mm	Each	6.15	32.05	
1216002000	250x100x2.24 mm	Each	6.15	28.60	
1216100000	Providing and fixing M.S. sliding door bolts bright finished or/and black enamelled with nuts and screws etc. complete.				
1216101000	300x16mm	Each	5.35	70.60	
1216102000	250x16 mm	Each	5.35	64.80	
1216200000	Providing and fixing M.S. bright finished nickle plated pull bolt lock with necessary screws etc. complete.	Each	5.35	57.35	
1216300000	Providing and fixing M.S. door latch with screws etc. complete.				
1216301000	300x20x6mm	Each	2.60	45.50	
1216302000	250x20x6mm	Each	2.60	39.90	
1216400000	Providing and fixing M.S. tower bolts (barrel type) with necessary screws etc. complete.				
1216401000	250x10mm.	Each	2.15	37.45	
1216402000	200x10mm	Each	2.15	34.00	
1216403000	150x10mm	Each	1.70	26.55	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1216404000	100x10mm	Each	1.70	19.65	
1216500000	Providing and fixing M.S. handles with necessary screws complete.				
1216501000	125mm	Each	1.30	14.05	
1216502000	100 mm	Each	1.30	11.75	
1216503000	75mm	Each	1.30	10.60	
1216600000	Providing and fixing M.S. hooks and eyes.				
1216601000	300 mm.	Each	1.30	18.65	
1216602000	250mm	Each	1.30	15.20	
1216603000	200 mm	Each	1.30	12.90	
1216604000	150 mm	Each	1.30	10.60	
1216605000	100 mm	Each	1.30	9.45	
1216700000	Providing and fixing M.S. fan light pivots with necessary screws etc, complete	Each	1.50	13.90	
1216800000	Providing and fixing M.S. fan light catch with necessary screws etc, complete	Each	1.50	11.95	
1216900000	Providing and fixing 300mm long M.S. chain with hooks for fan light including necessary screws, etc complete.	Each	2.15	14.90	
1217000000	Providing and fixing M.S. safety hasps and staples with necessary screws etc. complete.				
1217001000	150 mm.	Each	1.70	15.60	
1217002000	115 mm	Each	1.70	13.05	
1217003000	90 mm	Each	1.70	10.75	
1217100000	Providing and fixing bright finished or/and black enamelled				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	iron (Helical door spring 150mm)	Each	11.25	71.30	
1217200000	P/F 12 mm thick prelaminated board both side bwp phenol bonded exterior/interior grade panalled shutters with frame of first class deodar wood for doors including bright finished/black enamelled iron butt hinges with necessary screws 40 mm thick frame.	sq.m	383.15	2657.80	
1217300000	P/F 12 mm thick prelaminated board both side bwp phenol bonded exterior/interior grade shutters with frame of 1st class deodar wood for cup board including nickel plated bright finished piano hinges -25mm thick frame.	sq.m	386.85	2218.50	
1217400000	P/F board partitions with butt jointing and nails (frame work and cover fillets to be measured and paid for separately).				
1217401000	Particle board bwp phenol bonded exterior/interior grade in partitions.				
1217401010	8 mm thick	sqm.	20.25	325.00	
1217401020	10mm thick	sqm.	20.25	385.35	
1217401030	12mm thick	sqm.	20.25	421.60	
1217402000	Gypsum board 12.5mm thick	Sq.m	20.25	385.35	
1217403000	cement bonded particle board. 8mm thick	sq.m	20.25	385.00	
1217404000	Prelaminated board bwp phenol bonded exterior/interion grade both sides. 12mm thick	sq.m	20.25	989.10	
1217500000	P/F partical board ceiling of approved quality with butt jointing and nail (frame work and cover fillets to be paid for separately).				
1217501000	Particle board (bwp phenol bonded exterior/interior grade)				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	8mm thick	sq.m	19.70	326.75	
1217502000	Cement bonded particle board.				
1217502010	6 mm thick.	sq.m	19.70	350.90	
1217502020	8 mm thick.	sqm	19.70	387.10	
1217503000	Gypsum board				
1217503010	9.5 mm thick	sq.m	19.70	302.60	
1217503020	12.5 mm thick	sq.m	19.70	387.10	
1217504000	Foam polymer board 10 mm thick	Sq.m.	19.70	2802.10	
1217505000	Teak wood paticle board Bwp phenol bonded exterior/interior grade 12mm thick	sq.m	19.70	821.80	
1217600000	Providing and fixing anodised aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawlplugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazinge/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge.				
1217601000	For doors windows and ventilators and glazed partitions frames.				
	For shutters of doors windows &	Per kg.	13.05	405.55	
1217602000	ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings				

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately)				
1217603000	Providing and fixing glazing in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens gasket etc. complete as per the architectural drawings and the directions of Engineer-In_charge (cost of aluminium snap beading shall be paid in basic item.)	Per kg.	15.40	418.80	
1217603010	glazing with glass panes of 4mm thickness (weight not less than 10.00 kg/sqm.				
		Per sqm.	84.70	603.90	
1217603020	Glazing with glass panes of 5.50mm thickness (weight not less than 13.75 kg/ sqm.				
1217604000	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to IS 6315) for aluminium door including cost of cutting floor as required embedding in floors and cover plates etc. complete as per the direction of Engineer-In-Charge I/c making good the floors.	Each	86.60	732.80	
		Each	91.50	1431.85	
<u>New Items</u>					
1217700000	Providing and fixing 4mm thick E-Board (Embassed board) Ceiling of approved quality of ISI Mark i/c fixing to base frames with screws and clamps etc complete (frame work for base & cover fillets to be measured and paid for separately)	sqm	24.60	704.70	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1217800000	Providing and fixing 25mm thick Commercial Board water proof shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete)	sqm	100.35	1389.25	
1217900000	Providing and fixing 19mm thick Commercial Board water proof shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete)	Sqm	100.35	1190.00	
1218000000	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	sqm	29.60	983.25	
1218100000	Providing and fixing 25mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	sqm	29.60	1182.50	
1218200000	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete.	sqm	53.45	637.40	
1218300000	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete.				
1218301000	1st class Indian teak wood.	Rmt.	14.65	30.35	
1218302000	1st class deodar wood.	Rmt.	11.00	20.35	
1218400000	Providing and fixing 4mm thick burl ply of standard quality and of approved shade & design wall lining i/c fixing with approved adhesive, butt jointing and nails & screws complete (Base frame work to be measured & paid for separately)	sqm	29.60	351.00	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1218500000	Providing and fixing 4mm thick water proof kit ply of standard quality ISI mark and approved shade and colour in wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	sqm	29.60	339.00	
1218600000	Providing and fixing water proof kit ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)				
1218601000	9mm thick	sqm	29.60	665.00	
1218602000	12mm thick	sqm	29.60	791.75	
1218700000	Providing and fixing aluminium anodised powder coated pattern to existing window/ventilator with 80mmx80mm panels holes with 25x8mm thick aluminium flat in windows and ventilators including fixing with aluminium screws or bolts and nuts complete in alluminium channels base frames (Aluminium channels base frames to be measured and paid for separately)	sqm	111.50	1753.15	
1218800000	Providing and fixing Aluminium sheet ceiling with 1mm thick Aluminium sheet in panets of aluminium channels base frame in ceiling with aluminium screws and aluminium beading 40x2mm complete (Aluminium channels base frame to be measured and paid for separately)	sqm	64.55	1009.50	
1218900000	Providing and fixing Aluminium sheet 1mm thick in expension joints vertically fixed with screws or nails complete.	Sqm	52.50	698.65	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1219000000	Providing and fixing factory made PVC door frame single rebate of any clours of size 50x47mm with a wall thickness of 5mm made out of extruded 5mm rigid PVC foam sheet heat bend & mitred at corners and jointed with 2 Nos. of 150mm long brackets of 15mmx15mm M.S. square tube, the vertical door profiles to be reinforced with 19mmx19mm M.S. square tube of 19 gauge EPDM rubber gasket weather seal to be provided throughout the frame i/c fixing of door frame to wall with M.S. screws 100long with wooden or rawl plugs emedded in masonry complete as per manufactures specification & direction of Engineer-in-Charge.	Rmt.	28.70	400.75	
1219100000	Providing and fixing factory made PVC door frame double rebate of required colour & shade of size 50mmx95mm with a wall thickness of 5mm made by jointing 3 Nos heat bent PVC sheet C chanel of 5mm PVC foam sheet of sizes 35x30x25mm and 40x35x40mm & 25mmx30mmx35mm for jointing using solvent cement. the two side C channels shall be reinforced with 19mmx19mm M.S. square tube of 19 gauge and all the three "C" channels shall be fixed to flat base of 5mm thick PVC sheet with salvent cement. the profile shall be mitred at corners and joined by inserting 4 nos 150mm long bracket of 15mmx15mm M.S. square tube to inner side. the 19mmx19mm M.S. square tubes the door frame shall be fixed to wall with 100mm long M.S. screws to wooden or rawl plugs embedded in masonry complete as per the specification of manufactures & direction of Engineer -in-charge.	Rmt.	33.75	631.20	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
121920000	<p>PVC Sheet to be fitted in the M.S. frame welded/sealed to the style & rails, joints mitred and jointed with solvent cement adhesive i/c fixing of PVC shutter with existing frame with M.S. butt hinges 100x50x1.90mm size with necessary screws etc complete.</p> <p>Providing and fixing to existing door frames, 30mm thick factory made PVC panelled door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x19mm for styles and 15mmx15mm for top & bottom rails, M.S. frame shall have a coat of steel primers of approved make and manufacture M.S. frame covered with 5mm thick heat moulded PVC "C" channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45 degree angle on either side forming style and 5mm thick, 95mm wide, PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both side to form lock rail, top, bottom and lock rail shall be provided either side of the panel 10mm thick, 20mm wide cross PVC sheet be provided as gap insert for top rail and bottom rail paneling of 5mm thick both side</p> <p>PVC Sheet to be fitted in the M.S. frame welded/sealed to the style & rails, joints mitred and jointed with solvent cement adhesive i/c fixing of PVC shutter with existing frame with M.S. butt hinges 100x50x1.90mm size with necessary screws etc complete.</p>	sqm	103.30	2413.50	

WOOD WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1219300000	<p>Providing and fixing to existing door frames 30mm thick factory made wire mesh solid PVC door shutters consisting of frame made out of M.S. tube of 19 gauge thickness of size 19mmx19mm for style and 15mmx15mm M.S. square tube for top, bottom & Lock rail M.S. frame shall have & coat of steel primer and covered with 5mm thick PVC solid sheet heat moulded "C" channel of size 75mmx30mmx60mm out of which 10mm shall be bent at 90degree towards inner side on front face of the door M.S. frame at lock rail shall be covered with 100mm wide PVC sheet out of which 10mm on both the edges shall be bent at 90 degree on front face of the door and 85mm wide PVC sheet shall cover the M.S. frame at top, bottom & lock rail lof 70mm on back side of door 5mm thick 20mm wide cross PVC sheet as gap insert for top and bottom rail, PVC sheet beading of 10mm thick, 15mm wide PVC sheet beading in to be stick internally in the back side of style and rails of door with solvent cement adhesive i/c fixing of G.I. wire mesh 85G or 0.56 dia wire fixed between PVC sheet of style and rail</p> <p>bent at 90 degree on front face using 15mmx15mm L-shape PVC beading nailed on style a rails i/c fixing shutter to existing door frame with M.S. butt hinges 100x58x1.90mm with necessary screws etc. complete.</p>	sqm	103.30	2058.20	

CHAPTER – XIII
PAVING AND FLOORING

Chapter XIII

PAVING AND FLOORING

Notes :-

- 1 The through rates include the carriage of all materials up to a distance of 100 meters on head-load and 1 kilometer by mechanical transport. The rate for items involving terrazzo / glazed tiles have been worked out on the basis of rates as at district headquarters of Himachal Pradesh State. All other carriage shall be accounted for separately depending up to locations of the site of work. The through rates include all wastage and the labor rates include the charges on account of from work, tools and plants, scaffolding, sundries and water charges etc.
- 2 The rates are applicable for laying of flooring up to floor level two. For every subsequent storey-height an additional rate of 1% above through rates should be added.
- 3 The followings additional point should be accounted for while making payment for terrazzo & terrazzo tile / glazed tile flooring -:
 - (i) The rates for terrazzo flooring are applicable or marble chips of size up to 15 mm black or white or black and white shades. 10% extra in through rates shall be pad if the chips of sizes above 15mm and up to 22 mm are used.
 - (ii) In case chocolate , gray, yellow or green marble chips instead of white, black and white chips are used for terrazzo flooring, the following rates shall be added to the through rates for one square meter of floor area -:

a	For 600 top layer	Rs 5.10
b	For 8mm top layer	Rs 7.15
c	For 10mm top layer	Rs. 9.20
d	For 12mm top layer	Rs 10.00
 - (iii) In case snow-white chips are required to be used. 10% extra on through rates shall be paid for terrazzo-tile flooring as well as for terrazzo flooring. The rates for assorted cock-tail colored terrazzo tile flooring shall be the same as for silver – Grey tile flooring and for terrazzo flooring with medium shade pigment.
 - (iv) In case 22mm thick checkered tile with chips of sizes up to 22mm are used instead of terrazzo tiles, as additional rate of Rs 20.50 per square meter shall be

paid over the through rates. The labor ate shall remain un-changed. In case checkered tiles without marble chips are used, the through rates of such checkered tiles shall be 15% less than terrazzo-tiles.

- 4 The labor rates and through rates are applicable for glazed tiles of white shade and of all sizes as required.
- 5 In case, the coloured glazed patterned tiles are used the labour rates shall be increased by 20% or through rates shall be increased by 10%. These rate are not applicable for specially decorated tiles for which special rates shall be paid, if used.
- 6 The minimum thickness of top layer for various sizes of chips shall be as under -:

Grade No.	Size of chips in mm	Minimum thickness of top layers
00	1-2	6mm
0	2-4	6mm
1	4-7	9mm
2	7-10	12mms

Where chips of size larger than 100 mm are used, the minimum thickness should not be less than 1/1/2 times the maximum size of chips, where large size chips such as 20mm or 25mm are used, they shall be only with a flat shape and bedded on the flat face so as to keep the minimum thickness of wearing layer.

- 7 Black, blue, green, and similar other shades be considered as dark shade all shades other than gray, silver gray and white shall be considered as medium shades for terrazzo tiles.

CHAPTER XIII

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	TERRAZZO FLOORING				
13010100	40 mm thick marble chips flooring rubbed and polished to granolithic finish under layer 34 mm thick cement concrete 1:2:4 (1 cement 2 sand 4 graded stone aggregate 10 mm) and down gauge and top layer 6 mm thick marble chips of required sizes laid in cement marble powder mix 3:1 (3 cement :1 marble powder by weight) in proportion of 4:7 (4 cement marble powder mix 7 marble chips by volume)				
13010100	Dark shade pigment with ordinary cement (in top layer only)	sq.m	258.25	421.80	
13010200	light shade pigment with white cement (in top layer only)	sqm.	259.20	488.70	
13010300	Medium shade pigment with approximately 50% white cement and 50% & ordinary cement (in top layer only)	sq.m	258.75	456.50	
13010400	White cement without any pigment (in top layer only)	sq.m	258.75	457.40	
13010500	light shade pigment with ordinary cement (in top layer only)	sq.m	258.30	426.80	
13020000	40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 32 mm thick cement concrete 1:2:4 (1 cement: 2 sand: 4 graded stone aggregate 10 mm and down gauge) and top layer 8 mm thick marble chips of required sizes laid in cement marble powder mix 3:1 (3 cement:1 marble powder by weight) in propontion of 4:7(4 cement marble powder mixed : 7 marble chips by volume).				
13020100	Dark shade pigment with ordinary cement(in top layer only.	sq.m	258.50	440.30	
13020200	light shade pigment with white cement(in top layer only)	sq.m	259.75	526.20	

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13020300	Medium shade pigment with approximate 50% white cement and 50% ordinary cement (in top layer only)	sq.m	259.10	483.00	
13020400	White cement without any pigment (in top layer only)	sq.m	259.15	485.50	
13020500	light shade pigment with ordinary cement (in layer only)	sq.m	258.60	446.70	
13030000	40 mm thick matble chips flooring rubbed and polished to granolithic finish, with under layer 30 mm thick cement concrete 1:2:4 (1 cement :2 sand: 4 graded stone aggregate 10 mm and down gauge) and top layer 10 mm thick with marble chips of required sazes laid in cement marble powder mix 3:1 (3 cement : marble powder by weight) in proportion of 4:7 (4 cement marble powder mix : 7 marble chips by volume).				
13030100	Dark shade pigment with ordinary cement.(in top layer only)	sq.m	258.75	458.25	
13030200	light shade pigment with white cement (in top layer only).	sqm.	260.30	563.30	
13030300	Medium shade pigment with approximate 50% white cement and 50% ordinary cement (in top layer only).	sqm.	259.55	512.05	
13030400	White cement without any pigment (in top layer only).	sq.m	259.60	514.30	
13030500	light shede pigment with ordinary cement (in top layer only).	sqm.	258.90	466.00	
13040000	40mm. thick marble chips flooring rubbed and polished to granolithic finish with under layer 28mm thick cement concrete1:2:4(1cement:2sand :4graded stone aggregate 10mm and down gauge) and top layer 12mm				

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	thick with marble chips of required sizes laid in cement marble powder mix.3:1(3 cement:1 marble powder by weight) in proportion of 4:7(4cement marble powder mix:7 marble chips by volume).				
13040100	Dark shade pigment with ordinary cement (in top layer only)	sqm.	259.00	476.60	
13040200	light shade pigment with white cement (in top layer only)	sqm.	261.00	610.40	
13040300	Meduim shade pigment with approximate 50% white cement and 50% ordinary cement(in top layer only)	sqm.	260.00	545.15	
13040400	White cement without any pigment (in top layer only).	sq.m.	260.15	550.30	
13040500	Light shade pigment with ordinary cement (in top layer only)	sqm.	259.20	486.55	
13050000	Marble chips skirting or dado upto 30 cm. height (rubbed and polished to granolithic finish) laid in cement marble powder mix 3:1 (3 cement :1 marble powder by weight) in proportion of 4:7 (4cement marble powder mix: 7 marble chips by volume) in top layer:-				
13050100	20 mm.thick with under layer 14mm. thick in cement plaster1:3(1cement :3 sand) and top layer 6 mm.thick.				
13050101	Dark shade pigment with ordinary cement (in top layer only)	sqm.	279.10	622.40	
13050102	light shade pigment with white cement (in top layer only)	sqm.	280.10	689.30	
13050103	Medium shade pigment with approximate 50 % white cement and 50 % ordinary cement (in top layer only)	sqm.	279.60	656.60	
13050104	White cement without any pigment (in top layer only)	sqm.	266.50	444.20	

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13050105	light shade pigment with ordinary cement (in top layer only)	sqm.	279.20	627.40	
13050200	22 mm.thick with under layer 15mm. thick cement plaster 1:3 (1cement :3 sand) and top layer 7mm.thick.				
13050201	Dark shade pigment with ordinary cement (in top layer only)	sqm.	274.00	428.90	
13050202	Light shade pigment with white cement.(in top layer only)	sq.m.	275.10	505.35	
13050203	Medium shade pigment with approximate 50% white cement and 50% ordinary cement (in top layer only)	sqm.	274.55	468.00	
13050204	White cement without any pigment (in top layer only)	sqm.	264.15	458.40	
13050205	light shade pigment with ordinary cement (in top layer only)	sqm.	274.10	434.55	
13060000	Extra for work in dado exceeding 30 cm. in height:-				
13060100	20 mm thick with under layer 14 mm thick in cement plaster 1:3 (1 cement : 3 sand)	sqm.	97.30		
13060200	22 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement :3 sand)	Sq.m	97.30		
13070000	Extra for providing and fixing aluminium strips 40 mm wide and 1.5 mm thick painted with a protective coat of bitumen in joints of terrazzo floors.	sqm.	8.90	49.65	
13080000	Extra for providing and fixing glass strips in joints of terrazzo floors.				
13080100	40 mm wide and 4 mm thick.	Metre	8.90	34.40	
13080200	40 mm.wide and 6 mm.thick.	Metre	9.05	47.25	

PAVING AND FLOORING

ITEM	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
13090000	Extra for providing and fixing plastic strips in joints of terrazzo floors.	Metre	8.70	21.45	
13100000	Extra for terrazzo flooring laid as floor borders, margins and similar bands exceeding 7.5 cm. but not exceeding 30 cms in width.	sqm.	9.80		
13110000	Extra for laying terrazzo flooring on staircase treads not exceeding 30 cm.in width including the cost of forming and nosing etc.	sqm.	14.70		
13120000	Extra for laying terrazzo flooring in narrow bands not exceeding 7.5 cms in width.	sqm.	21.10		
13130000	Extra for making moulded nosing in terrazzo including returned moulded ends and angles to mouldings.	Metre	40.95		
13140000	Special surface finishing to treads, risers and the ends of concrete steps and the like including form work.	sqm.	10.35	24.10	
13150000	Extra for treating the surface with bees wax.	sqm.	13.00	16.05	
13160000	TERRAZZO-TILE FLOORING Precast terrazzo tiles hydraulic compressed 20 mm thick with marble chips of specified sizes laid in floors, treads of steps and landings on a bed of 25 mm average thickness of cement mortar 1:6 (1 cement :6 sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles (wherever required) including rubbing and polishing complete with tiles of following shades:-				
13160100	GREY.	sq.m	208.45	665.05	
13160200	SILVER GREY.	sqm.	216.25	737.20	
13160300	WHITE.	sqm.	218.10	860.75	

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13160400	MEDIUM.	sqm.	224.25	767.90	
13160500	DARK.	sqm.	216.90	719.75	
13170000	Extra, if terrazzo tiles are laid in tread not exceeding 30 cm in width.	sqm.	17.25		
13180000	Precast terrazzo tiles hydraulic compressed 20 mm thick (with marble chips of specified sizes) fixed on wall on 10 mm thick cement plaster 1:3 (1 cement:3 sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles (wherever required) including rubbing and polishing complete with tiles of following shades:-				
13180100	GREY.	sqm.	252.35	680.35	
13180200	SILVER GREY	sqm.	253.65	769.30	
13180300	WHITE.	sqm.	256.15	859.20	
13180400	MEDIUM.	sqm.	254.35	815.30	
13180500	DARK.	sqm.	253.50	759.40	
13190000	Precast terrazzo tiles hydraulic compressed 20 mm thick (with marble chips of specified sizes) in skirting and risers of steps not exceeding 30 cm in height on 10 mm thick cement plaster 1:3 (1 cement: 3 sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles (wherever required) including rubbing and polishing complete with tiles of following shades.:-				
13190100	GREY	sqm.	266.40	694.40	
13190200	SILVER GREY.	sqm.	256.15	783.35	
13190300	WHITE.	sqm.	268.90	873.00	

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13190400	MEDIUM.	sqm.	268.40	828.95	
13190500	DARK.	sqm.	267.55	773.10	
13200000	Extra if cut tiles other than half tiles had to be used in risers of steps, skirting and dado.	Sq.m	61.95		
13210000	WHITE GLAZED-TILE White glazed tiles 6 mm thick in flooring, treads of steps and landing laid on a bed of 12 mm thick cement mortar 1:3(1 cement :3 sand) finished with flush pointing in white cement.	sqm.	268.25	701.10	
13220000	Extra for laying white glazed tiles in treads of steps not exceeding 30 cm. in width.	sqm.	53.10		
13230000	White glazed tiles 6 mm thick in skirting risers of steps and dado 12 mm thick cement mortar 1:3 (1 cement :3 sand) and jointed with cement slurry.	sqm.	293.50	755.10	
13240000	Extra for laying white glazed tiles in skirting, risers of steps and dado where they are required to be cut.(only area of portion of cut tiles to be measured).	sqm.	619.60		
13250000	Providing and fixing 50 mm internal or external angles and fillet covers etc.	Metre	13.95	159.35	
13260100	CEMENT CONCRETE FLOORING AND SKIRTING 15 mm thick cement concrete topping 1:2 to 3 (1 cement: 2 to 3 stone aggregate of size 4.75 mm and below, by volume) laid over and finished monolithic with structural slab.	sqm.	36.85	112.40	
13260200	Reduced rate for difference of cost using water borne agg. instead of crushed stone agg.	Sq.m		2.00	
13270100	20 mm cement concrete topping 1:2 to 3(1 cement: 2 to 3 stone				

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	aggregate of size 4.75 mm and below, by volume) laid over and finished monolithic with base concrete.	sqm.	44.90	141.75	
13270200	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	sqm.		2.70	
13280100	25 mm cement concrete flooring 1:2.5:3.5(1 cement:2.5 sand: 3.5 graded stone aggregate of size 12.5 mm and below by volume) laid over set and hardened face of structural slab or base concrete and finished with a floating coat of neat cement (using cement slurry for bond at the rate of 2.75 kg of cement per square metre of floor).	sqm.	49.30	128.65	
13280200	Reduced rate for difference of cost using water borne aggregate and crushed stone aggregate.	sqm.		1.90	
13290100	25 mm cement concrete flooring 1:2:4 (1 cement: 2 sand :4 stone aggregate of size 12.5 mm and below) laid over base concrete and finished with a floating coat of neat cement (base concrete to be paid separately).	sqm.	49.30	130.25	
13290200	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	sqm.		2.90	
13300100	40 mmthick cement concrete flooring with 25 mm under layer of cement concrete 1:3:6 (1cement :3 sand :6 stone aggegate of size 12.5 mm and below) and 15 mm weaking layer in cement concrete 1:2 to 3 (1 cement : 2 to 3 stone aggregate of size 4.75 mm and below) laid integral with base course and finished with a floating coat of neat cement.	sqm.	60.50	188.05	
13300200	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	sqm.		5.00	

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13310000	Cement concrete flooring 1:2:4 (1 cement : 2 sand:4 graded stone aggregate 20 mm nominal size)laid in one layer finished with a floating coat of neat Cement.				
13310101	40 mm thick.	sqm.	55.70	182.70	
13310102	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	sqm.		4.60	
13310201	50mm thick.	sqm.	67.30	216.20	
13310202	Reduced rate for difference of cost using water borne aggregate and crushed stone aggregate.	Sqm		5.75	
13320100	40 mm thick red oxide flooring under layer of 30 mm thick cement concrete 1:2:4 (1 cement : 2 sand: 4 graded stone aggregate 12.5 mm nominal size) and top layer of 10 mm plaster of cement red oxide (using 3.5 kg of red oxide of iron per 50 kg. of cement) 1:3 (1 cement red oxide mix: 3 sand) finished with a floating coat of neat cement red oxide mix of same proportion.	sqm.	62.25	266.65	
13320200	Reduced rate for difference of cost using water borne aggregate and crushed stone aggregate.	sqm.		3.45	
13330000	Add or deduct for using more or less per kg than 3.50 kg. of red oxide (as directed) of iron per 50 kg. of cement in 40 mm thick red oxide flooring.	sqm.	2.00	18.35	
13340100	Cement concrete pavement (25 mm to 50 mm thick) with 1:2:4 (1 cement :2 sand :4 stone aggregate 20 mm nominal size) including finishing with a floating coat of neat cement complete.	cum	444.80	3486.50	
13340200	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	Cum		115.10	

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13350000	Extra for making chequers of approved pattern on cement concrete floors. steps. landings and pavements etc.	sqm.	12.75		
13360100	50 mm thick cement concrete flooring with metallic concrete hardner topping under layer of 35 mm thick cement concrete 1:2:4 (1 cement:2 sand:4 graded stone aggregate 20 mm nominal size) and top layer of 15 mm thick metallic concrete hardner consisting of mix 1:2 (1 cement hardner mix : 2 stone aggregate 6 mm nominal size) by volume with which metallic hardening compound of approved quality is mixed in the ratio 4:1 (4 parts of cement: 1 part of metallic floor handening compound of approved quality by weight) including finishing complete.	sqm.	94.00	254.15	
13360200	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	sqm.		4.05	
13370100	60 mm thick cement concrete flooring with metllic concrete hardner topping, under layer of 45 mm thick cement concrete 1:2:4 (1 cement :2 sand:4 graded stone aggregate 20 mm nominal size) and top layer of 15 mm thick metallic cemet hardner consisting of mix 1:2 (1 cement hardner mix:2 stone aggregate 6 mm nominal size) by volume, with which matallic hardening compound of approved quality is mixed in the ratio 4:1 (4 part of cement :1 part of metallic floor hardening compound of approved quality by weight) including finishing complete.	sqm.	112.70	316.75	
13370200	Reduced rate for difference of cost using water borne aggregate instead of crushed stone aggregate.	sqm.		5.15	
13380000	Cement plaster skirting (upto 30cm				

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
13380100	height) with cement mortar 1:3 (1 cement:3 sand) finished with a floating coat of neat cement including rounding of junction with floor. 15 mm thick.	sqm.	44.40	122.15	
13380200	20 mm thick.	sqm.	50.40	145.60	
13390000	Red oxide plaster skirting up to 30 cm.height with top layer of 5mm thick plaster of cement mix using 3.50 kg. of red oxide of iron per 50 kg. of cement with 10mm thick under layer of cement mortar 1:3 (1 cement: 3 sand) finishad with floating coat of cement red oxide mix same proportion.				
13390100	15 mm thick with under layer 10 mm thick cement plaster 1:3(1cement :3 sand).	sqm.	41.60	138.60	
13390200	20 mm thick with under layer 15 mm thick cement plaster 1:3(1 cement:3 sand).	sqm.	48.60	163.80	
13400000	Add or deduct for using more or less per kg than 3.50 kg. of red oxide of iron per 50 kg. of cement in 15 mm or 20 mm thick red oxide plaster skirting.	sqm.	1.90	10.00	
13410000	WOODEN FLOORING 25 mm wooden planking tongued and grooved, in flooring fixing to wooden base frame with iron screws complete (base wooden frame to be paid separately)				
13410100	With 1st.class Indian Teak wood planks.	sqm.	170.20	3903.60	
13410200	Second class Indian teak wood planks	sqm.	170.20	3178.20	
13410300	First class deodar wood planks	sqm.	115.40	2166.75	
13410400	First class kail wood planks	sqm.	115.40	2135.70	

PAVING AND FLOORING

ITEM	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
13420000	38 mm thick parquet (wood block) flooring of 1st class indian teak wood laid over 25 mm thick levelling layer of cement concrete 1:2:4 (1 cement : 2 sand :4 stone aggregate 10 mm nominal size)(to be paid separately) coated with thin layer of hot bitumen (blown-type) @ 2.45 kg. per sq m. including fixing blocks in position after dipping in hot bitumen (blown type) upto half depth, planed, levelled smooth and finished complete	sqm.	1119.15	6036.40	
13430000	Extra for planing the lower surface of wooden planking.	sqm.	44.10		
13440000	Extra for providing and fixing metal strips of 1:6 mm thickness at junctions with other floors:				
13440100	25 mm wide aluminium, strips	sqm.	10.45	37.05	
13440200	38 mm wide aluminium, strips	sqm.	10.45	51.00	
13450000	Deduct for butt jointing in place of tongued and grooved type jointing in item no.13410000.	sqm.	22.60		
13460000	25 mm thick wooden flooring laid over R.C.C/C.C. slab (to be paid separately) (thinly coated with thin layer of hot bitumen blown type) @ 2.45 kg per sq m including fixing of wooden planks in position over wooden plugs fixed in c.c./R.c.c. floor including planning and levelling complete.				
13460100	Deodar wood 1st class	sqm.	282.55	2522.15	
13460200	Deodar wood second class.	sqm.	282.15	2495.70	
	BRICK FLOORING				
13470000	First class brick flooring laid dry and grouted with cement mortar 1:4 (1 cement :4 sand) including finishing the joints flush.				

PAVING AND FLOORING

ITEM	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE					
13470100	10 cm thick (using conventional brick)	sqm.	54.20	328.50	
13470200	7 cm thick (using conventional brick)	sqm.	38.95	251.65	
13470300	11.2 cm.thick (using conventional brick)	sqm.	54.75	357.10	
13480000	First class brick laid dry and grouted with cement mortar 1:6 (1 cement :6 sand) including finising of joints flush.				
13480100	10 cm.thick (using conventional brick)	sqm.	53.90	306.50	
13480200	7 cm.thick (using conventional brick)	sqm.	38.70	233.45	
13480300	11.2 cm. thick (using conventional bricks)	sqm.	54.45	334.30	
13490000	Second class dry brick flooring including filling jointst with fine sand.				
13490100	10 cm.thick (using modular bricks).	sqm.	46.45	259.00	
13490200	7 cm.thick (using modular bricks).	sqm.	31.00	189.70	
13500000	MISCELLANEOUS linolium covering to floor, plain or coloured laid with an approved adhesive on sub floor including cutting and fixing complete to sub floor including damp proofing treatment (damp proofing treatment to be measured separately for payment.)				
13500100	3.2 mm thick.	sqm.	17.00	608.65	
13500200	3.2 mm to 4.5 mm thick.	sqm.	17.00	789.80	
13510000	2 mm thick pvc/rubber tiles flooring plain, coloured. corbed or mosaic or matted finish, laid with				

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment.	sq.m.	48.65	715.00	
13520000	3 mm thick pvc/rubber tile flooring. plain, coloured, corbed, or mosaic or mottled finish. laid with approved adhesive on sub floor complete (sub- floor including damp proofing treatment to be measured separately for payment)	sqm.	48.65	860.00	
13530000	Kota stone slab flooring 20 mm (average) thick base of lime mortar 1:1:1 (1 lime putty: 1 surkhi :1 sand)laid over and jointed with gray cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.				
13530100	25 mm thick.	sqm.	393.95	940.40	
13530200	30 mm thick.	sqm.	450.20	1035.75	
13530300	40 mm thick.	sqm.	460.95	1145.10	
13540000	Kota stone slab flooring 20 mm (average) thick base of cement mortor 1:4 (1 cement :4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab. including rubbing and polishing complete.				
13540100	25 mm thick.	sqm.	388.10	943.60	
13540200	30 mm thick.	sqm.	444.30	1038.95	
13540300	40 mm thick.	sqm.	455.05	1148.25	
13550000	Kota stone slab 25 mm thick in risers of steps,skirting dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement :3 sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing				

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	complete.	sqm.	442.70	986.60	
13560000	20 cm flagged stone flooring laid in cement mortar 1:5 (1 cement :5 sand)	sq.m.	59.05	348.40	
13570000	Providing and laying granite stone in flooring 20mm(average)thickness base of cement mortar 1:3(1cement: 3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete. 20mm.thick	sq.m.	425.95	3555.60	
13580000	Providing and laying Talai stone flooring 50mm.(average) thickness of stone laid over 25mm. thick cement mortar bed of 1:4(1cement: 4 sand) including pointing with cement mortar1:3(1cement:3sand).	sq.m.	255.40	598.00	
13590000	Providing and fixing Garsa stone 12mm.cladding on R.C.C.surface side as on faces of Arch masonry walls etc.on 12mm. thick cement plaster 1:3(1cement:3sand) and jointed with cement slurry i/c scaffolding etc. complete.	sq.m.	284.30	1056.65	
13600000	Providing and laying spartic ceramic tiles 5.5mm.thick in flooring (300 x300mm. size)treads of steps laid on a bed of 12mm. thick cement mortar 1:3(1cement: 3 sand) finished with flush pointing in white cement.	sq.m.	299.50	1094.60	
13610000	Providing and laying 20mm. thick acid proof tiles of size upto 300 x 300mm. of specified shade in floors, treads of steps and landing laid on a bed of 12mm. thick cement mortar 1:3(1 cement: 3 sand) jointing with cement slurry mixed with pigment to match the shade of tiles.	sq.m.	307.00	1751.90	
13620000	Providing and laying marble work				

PAVING AND FLOORING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(Table rubbed and polished) in flooring 20mm. thick base in cement mortar 1:3(1cement:3sand) including jointing with cement mortar 1:2(1 white cement:2 marble dust) with an admixture of pigment to match the shade of the marble. 20 mm thick White makrana marble.	sq.m.	886.65	3091.00	
13630000	Providing and laying marble work (table rubbed and polished) in flooring 20mm. thick base in cement mortar 1:3(1cement:3sand) including jointing with cement mortar 1:2(1 white cement:2 marble dust)with an admixture of pigment to match the shade of the marble. 20 mm.thick Pink makrana marble.	sq.m.	876.30	2390.90	
	<u>New Items</u>				
13640000	Providing and fixing black cuddapa stone slab 20mm thick 10 cm wide in flooring on 20mm thick base of cement mortar 1:4 (1 cement : 4 sand) including jointing with grey cement slurry mixed with pigment to match the shade of stone i/c rubbing and polishing complete.	Per mtr. length 10cm wide	38.70	87.10	
13650000	Providing and fixing 2mm thick PVC antistatic venyl Flooring plain or coloured, carbed or mosaic/metalled finish laid with approved adhesive on sub-floor (damp proofing treatment to be paid for separately)	sqm	48.65	847.90	
13660000	Providing and laying red sand stone slab flooring 40mm average thick on 20mm average thick base of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab i/c rubbing and granite polish finish complete.	sqm.	454.65	1126.90	

PAVING AND FLOORING

ITEM	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE 13670000	Providing and laying red sand stone slab in treads and risers of steps on a bed of 20mm tick cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab i/c preparing of nosing i/c rubbing and granite polish finish complete.	sqm.	472.40	1129.80	
13680000	Providing and fixing 10mm thick anti skid water proof stain and impect resistant heavy duty vetrified tiles Nitco or equivalant 600x600mmx10mm manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm thick cement mortar 1:3 (1 cement : 3 sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete.	sqm	276.60	1268.10	
13690000	Providing and laying Duro stone vetrified tiles (300x300mmx10mm) in grey/coloured or of approved shade in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete.	sqm.	278.00	1365.30	
13700000	Providing and laying Duro stone vetrified tiles (300x300mmx8mm) in grey/coloured of required shade in skirting risers of steps and dados on 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete.	sqm	299.60	1171.85	

PAVING AND FLOORING

ITEM	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CODE 13710000	Providing and laying heavy duty precast cement concrete inter locking paver blocks vibro compacted upto M-50 grade i/c border or kurb block grey or coloured over sub-base of concrete with 25mm thick average thickness of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks i/c curing rubbing & polishing complete (Sub base concrete floor to be paid for				
137101000	40mm thick block	sqm	191.50	848.10	
137102000	60mm thick inter locking blocks	sqm	193.10	957.20	
137103000	80mm thick inter locking blocks	sqm	194.35	1040.60	

CHAPTER – XIV
ROOF COVERINGS

Chapter XIV

ROOF COVERINGS

Notes :-

- 1 The labour and through rates include the carriage of materials for 100 meters on head load and one kilometer by mechanical transport. These also include the cost of water, tools and plants, scaffolding and cost of good earth for mud mortar wherever required.

CHAPTER XIV

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
CORRUGATED G.I SHEET ROOFING					
14010000	Providing corrugated G.I sheet roofing fixed with galvanised iron J.or L. hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafters and trusses.				
14010100	0.80 mm thick sheet.	sq.m.	29.35	745.10	
14010200	0.63 mm thick sheet.	Sq.m	29.35	621.15	
14020100	Extra for providing and fixing curved corrugated G .I sheet in roofing				
14020101	0.80mm thick	sq.m.	4.90		
14020102	0.63 mm thick	sqm.	3.95		
14020200	Providing and fixing corrugated G.I.sheets vertically or to a pitch exceeding 60degree	sqm.	3.65		
14020300	Straight cutting and waste in C.G.I. Sheet roofing for making opening of area exceeding 40 sq.dm for chimney stacks, sky light etc.				
14020301	0.80 mm thick sheet.	Metre	18.85	138.15	
14020302	0.63 mm thick sheet	Metre	18.85	122.35	
14020400	Racking or circular cutting and waste in CGI sheets roofing.				
14020401	0.80 mm thick sheet	Metre	80.50	183.75	
14020402	0.63 mm thick sheet.	Metre	72.85	146.65	
14020500	Making opening or recesses in C.G.I.sheet roofing of girth not more than 1 metre.				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14020501	Upto 100 sq.cm. in area	Each	12.40		
14020502	Area above 100 sq.cm. upto400 sq.cm.	Each	29.05		
14020503	Above 400 sq.cm. in area.	Each	43.60		
14030000	Providing ridges or hips 60 cm over all in plain G.I.sheet with galvanised iron J or L hooks. bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete:-				
14030100	0.08mm thick sheet .	Metres	80.30	452.10	
14030200	0.63 mm thick sheet	Metre	80.30	383.15	
14040000	Providing valleys 90 cm over all in plain G.I. sheets fixed with galvanised iron J or L hooks. bolts and nuts 8mm dia G.I. limpet and bitumen washers complete:-				
14040100	1.60 mm thick sheet.	Metre	89.10	927.85	
14040200	0.80 mm thick sheet.	metre	89.10	536.25	
14040300	0.63 mm thick sheet	metre	89.10	450.55	
14050000	Providing flushing 38cm. overall in plain G.I. sheet fixed with galvanised iron. J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand)				
14050100	1.25mm thick sheet	Metre	84.40	357.75	
14050200	1.00mm thick sheet	metre	84.40	307.60	
14050300	0.80mm thick sheet.	metre	84.40	269.90	
14050400	0.63mm thick sheet.	metre	84.40	206.85	
14060000	Providing and fixing 15 cm. wide 45 cm. overall semicircular plain G.I. sheetgutter with iron				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	brackets 40x3mm size bolts and nuts and washers etc. including making necessary connections with rain water pipe complete as per design.				
14060100	0.80mm thick sheet.	metre	80.20	365.70	
14060200	0.63mm thick sheet.	metre	80.20	323.60	
14070000	Extra for making opening or recesses in plain G.I. sheet of girth not more than 1 metre.				
14070100	Upto 100sq.cm in area.	Each	12.60		
14070200	Above 100 sq. cm. up to 400 sq.cm. in area	Each	29.50		
14070300	Above 400 sq. cm in area.	Each	44.25		
14080000	Extra for providing and fixing wind ties of 40 x 6mm flat iron section	metre	6.40	109.90	
14090000	Conversion of G.I. sheet to rain water pipe 0.63mm thick and fixing the same				
14090100	100mm dia	metre	39.60	138.50	
14090200	150mm dia	metre	39.60	197.60	
14100000	Providing and fixing a P.G.I. sheet bend of required degree (0.63mm thick sheet)for rain water pipe				
14100100	100 mm dia	Each	5.75	69.00	
14100200	150 mm dia	Each	5.75	92.00	
	ASBESTOS CEMENT SHEET ROOFING				
14110000	Providing asbestos cement corrugated /semi -corrugated sheets roofing fixed with galvanised iron J or L hooks bolts and nuts 8 mm dia G.I.plain bituman washers complete excluding the cost of purlins rafters and trusses 6 mm thick sheet	sq.m.	17.55	405.50	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14120000	Extra for asbestos cement corrugated /semi-corrugated sheet.Roofing with vertical sheeting or sheeting to a pitch exceeding 60 Degree	Sq.m	4.15		
14130000	Extra for straight cutting and waste in A.C.corrugated/semi/corrugated sheet roofing for making opening of area exceeding 40 sq.dm for chimney stacks skylights etc.				
14130100	6 mm thick sheet.	Metre	18.25	88.05	
14130200	Racking or circular cutting and waste in A.C.Corrugated / semi corrugated sheet 6 mm thick	Metre.	45.25	115.15	
14130300	Making opening or recesses in A.C. corrugated /semi corrugated sheet roofing of girth not more than 1 metre				
14130301	Those not exceeding 100 sq.cm. in area .	Each	15.30		
14130302	Those exceeding 100 sq.cm. but not exceeding 400 sq.cm in area	Each	29.45		
14130303	Those exceeding 400 sq.cm. in area	Each	42.50		
14140000	Providing and fixing ridges and hips in Asbestos cement sheets roofing with G.I.J or L hooks, bolts and nuts 8 mm diametres G.I.plain and bitumen washers complete				
14140100	One piece plain angular ridges	metre	18.50	192.15	
14140200	Serrated or plain wing adjustable ridges.	metre	18.50	311.15	
14140300	Close fitting adjustable ridges	metre	18.50	332.50	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14140400	North light adjustable ridge	metre	18.50	311.40	
14140500	Unserrated adjustable hips.	metre	18.50	256.50	
14150000	Filling cement concrete 1:2:4: (1 cement : 2 sand : 4 garded stone aggregate 12.5 mm nominal size in gaps of A.C.sheet corrugations and wings of ridges	metre	4.25	20.60	
14160000	Providing and fixing asbestos cement roofing accessories with galvanized iron j or l hooks, bolts and nuts and/or G.I.seam bolts and nuts. G.I.plain and bitumen washers etc complete.				
14160100	Apron flushing pieces	metre	9.35	237.20	
14160200	Eaves filler pieces	metres	9.35	168.90	
14160300	North light and ventilator curves	metre	21.80	379.30	
14160400	Barge boards.	metre	9.80	238.45	
14160500	Expansion joints for sheets.	metres	12.70	161.40	
14160600	Ridge finals.	Pair	11.50	149.50	
14160700	Cowl type ventilator.	Each	11.50	322.00	
14160800	Curved barge boards for north light curves	Each	50.10	283.00	
14160900	Roof light	Each	11.50	1627.25	
14161000	Expansion joints for ridges				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
		Pair	27.45	323.55	
14161100	Expension joints for north light curves	Each	80.50	272.55	
14161200	S.Type louvers	metre	47.40	179.80	
14170000	Providing and fixing asbestos cement socketed half round eaves gutters with bolts nuts bitumen washers etc and flat iron brackets 40x3 mm size including asbestos rope and plastic compound in joints complete.				
14170100	150 mm nominal size.	metre	32.00	279.45	
14170200	225 mm nominal size	metres	32.00	391.40	
14170300	300 mm nominal size	metre	32.00	632.90	
14180000	Providing and fixing asbestos cement plain ended eaves or boundry wall gutter with bolts nuts bitumen washers etc and flat iron brackets 40x3 mm size including asbestos rope and plastic roofing compound in joints complete.				
14180100	275x125x175 mm nominal size -----	metre	44.60	533.30	
14180200	300x150x225 mm nominal size	metre	44.60	599.70	
14180300	450x150x300 mm nominal size	metre	44.60	940.40	
14180400	300x150x250 mm nominal size	metre	44.60	708.70	
14190000	Providing and fixing asbestos cement plain ended valley gutters with bolts nuts bitumen washers etc and flat iron brackets 40x3 mm size				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	including asbestos rope and plastic roofing compound in joints complete				
14190100	400x125x250 mm nominal size	metre	44.60	780.50	
14190200	450x250x150 mm nominal size	metre	44.60	720.15	
14190300	600x150x225 mm nominal size	metres	44.60	919.05	
14190400	900x200x225 mm nominal size	metres	60.45	1190.45	
14200000	Extra for providing flat iron brackets 50x3 mm size instead of 40x3 mm size with necessary bolts nuts and washers etc for fixing asbestos cement gutters with purlins	metre		10.90	
14210000	Extra for providing and fixing asbestos cement drop end for socketed half round gutters				
14210100	150 mm nominal size with 75 mm dia drain outlet or 100 mm dia outlet	Each	5.75	111.00	
14210200	250 mm nominal size with 75 mm dia or 100 mm or 150 mm dia drain outlet	Each	5.75	151.20	
14210300	300 mm nominal size with 75 or 100 or 150 mm dia drain outlet	Each	5.75	168.50	
14220000	Extra for providing and fixing asbestos cement drop end for plain ended eaves or boundary wall gutters				
14220100	275x125x175 mm nominal size with 75 or 100 or 150 mm dia outlet	Each	5.75	191.50	
14220200	300x150x225 mm nominal size with 75 or 100 or 150mm dia outlet	Each	5.75	352.50	
14220300	450x150x300 mm nominal size with 75 or 100 or 150mm dia outlet.	Each	5.75	375.50	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14220400	500x150x250 mm nominal size with 75 or 100 or 150mm dia ourlet	Each	5.75	398.50	
14230000	Extra for providing and fixing asbestos cement drop ends for plain ended vally gutters				
14230100	400x125x150 mm nominal size with 75 or 100 or 150 mm dia outlet	Each	5.75	266.20	
14230200	450x125x150 mm nominal size with 75 or 100 or 150 mm dia outlet	Each	5.75	323.70	
14230300	600x150x225x mm nominal size with 75 opr 100 or 150 mm dia outlet	Each	5.75	421.50	
14230400	900x200x225 mm nominal size with 75 or 100 or 150 mm dia outlet	Each	5.75	433.00	
14240000	Extra for providing and fixing asbestos cement stop end for gutters				
14240101	For socketed half round eaves gutters 150 mm nominal size	Each	2.30	44.25	
14240102	For socketed half round eaves gutters 250 mm nominal size	Each	2.30	50.00	
14240103	For socketed half round eaves gutters 300 mm nominal size	Each	2.30	84.50	
14240200	Extra for providing and fixing asbestos cement stop ends for gutters				
14240201	275x125x175 mm nominal size	Each	2.90	108.40	
14240202	300x150x225 mm nominal size	Each	2.90	142.60	
14240203	450x150x300 mm nominal size	Each	2.90	165.60	
14240204	500x150x250 mm nominal size	Each	2.90	177.10	
14240300	Extra for providing and fixing				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	asbestos cement Stop ends for gutters for plain ended valley gutters				
14240301	400x150x250 mm nominal size	Each	2.90	292.10	
14240302	450x125x150 mm nominal size	Each	2.90	142.60	
14240303	600x150x225 mm nominal size	Each	2.90	165.60	
14240304	900x200x225 mm nominal size	Each	2.90	251.85	
14250000	Extra for providing and fixing asbestos cement nozzles for gutters				
14250100	Socketed half round eaves gutters				
14250101	150 mm nominal size	Each	6.90	123.60	
14250102	250 mm nominal size	Each	6.90	169.60	
14250103	300 mm nominal size	Each	6.90	227.10	
14250200	Plain ended eaves or boundary wall gutters				
14250201	275x125x175 mm nominal size	Each	6.90	158.10	
14250202	300x150x225 mm nominal size	Each	6.90	284.60	
14250203	450x150x200 mm nominal size	Each	6.90	296.10	
14250204	500x150x250 mm nominal size	Each	6.90	330.60	
14250300	Plain ended valley gutters				
14250301	450x125x150 mm nominal size	Each	6.90	261.60	
14250302	600x150x225 mm nominal size	Each	6.90	319.10	
14250303	900x200x225 mm nominal size	Each	6.90	399.60	
14260000	Extra providing and fixing asbestos cement angles for				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14260100	Socket half round eaves gutters				
14260101	150 mm nominal size	Each	6.90	146.60	
14260102	250 mm nominal size	Each	6.90	204.10	
14260103	300 mm nominal size	Each	6.90	353.60	
14260200	Plain ended eaves for boundary wall gutters				
14260201	275x125x175 mm nominal size	Each	6.90	215.60	
14260202	300x150x225 mm nominal size	Each	6.90	353.60	
14260203	450x150x300 mm nominal size	Each	6.90	583.60	
14260204	500x150x250 mm nominal size	Each	6.90	641.10	
	SLATE ROOFING				
14270000	Slate roofing with 7.5 cm. Single lap single layer fixed on wooden batten(wood work to be paid for separately)				
14270100	With slates 40x20 cm size.	Sq.m	112.60	350.80	
14270200	With slate 50x25 cm size	sqm.	111.55	280.50	
14270300	With slates 60x30 cm size	sqm.	110.75	227.90	
14280000	Slate roofing with 7.5 cm lap double layer fixed on wooden battens (wood work to be paid for separately)				
14280100	40 x 20 cm	Sq.m	225.20	701.60	
14280200	50 cmx25 cm	Sq.m	225.20	561.00	
14280300	60 cm x30 cm	Sq.m	221.50	455.80	
	MISCELLANEOUS				
14290000	Lime concrete terracing on roofing average thickness 10 cm laid to fall with 25 mm nominal size stone/brick aggregate and 50% 1: lime mortar 1:2 (1 lime putty:2				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	surkhi) rammed and finished with gur and belgiri treatment complete in cluding rounding of junctions with parapet wall complete	sqm.	179.65	358.85	
14300000	Lime concrete terracing on roofs average thickness 10 cm laid to fall with 25 mm nominal size stone/brick aggregate and 50% lime motar 1:2 (1 lime purry :2 surkhi) rammed and finished with gur and beligiri treeatment complete and coverred with flat brick -tiles grouted with cement mortar 1:3 (1 cement: 3 sand) over 12 mm layer of cement mortar 1:3 (1cement : 3 sand) and finished neat	sqm.	223.40	634.35	
14310000	Extra for every additional 0.5 cm thickness of lime concrete terracing	sqm.	1.70	10.70	
14320000	Providing and laying brick tiles over mumty roofs grouted with cement mortar 1:3 (1 cement :3 sand) over a 12 mm layer of cement mortar 1:3 (1 cement :3 sand) and finished neat.	Sq.m	44.95	297.00	
14330000	Providing gola in lime concrete with 25 mm nominal size stone/ brick aggregate and 50%of lime mortar 1:2 (1 lime putty :2 surkhi) underthe drip course and finished with lime plaster 1:2 (1 lime putty:2 surkhi) complete.	metre	6.15	23.15	
14340000	Providing angular fillet 7.5x7.5 cm cement concrete 1:2:4 (1cement :2 sand :4 graded stone aggregate 20 mm nominal size)	metre	3.95	11.70	
14350000	Providing angular fillet 7.5x7.5cm lime concrete with 25 mm nominal size stone/brick aggregate and 50% lime mortar 1:2 (1 lime putty :2 surkhi)	metre	2.20	8.80	
14360000	Making water purnalas 25 cm to 35				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	cm wide along the wall with cement mortar 1:4 (1 cement :4 sand and finished neat with floating coat of neat cement	metre	40.00	55.65	
14370000	Painting top of roofs with bitumen of approved Quality at 17 kg for 10 sqm. impregnated with a coat of sand at 0.06cum per 10 sqm. including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil Complete.				
14370100	With residual type perroleum bitumen of penetration 80/100	sqm.	10.00	104.25	
14370200	With hot cut back bitumen	sqm.	10.10	110.35	
14380000	Making khurras 45x45cm with average minimum thickness of 5 cm. cement concrete 1:2:4 (1 cement :2 sand: 4 stone aggregate of 20 mm nominal size) finished with 12 mm cement plaster 1:3 (1 cement : 3 sand) and coat of neat cement rounding the outlet complete	Each	21.40	81.30	
	RAIN WATER PIPES				
14390000	Providing and fixing on wall face C.I.rain water pipes including filling the joints with spun yarn and cement mortar 1:2 (1 cement :2 sand)				
14390100	75 mm dia pipe	metre	18.45	365.45	
14390200	100 mm dia pipe	Metre	21.60	438.00	
14390300	150 mm dia pipe	Metre	30.60	1025.30	
14400000	Providing and fixing m.s.holder bat clamps of approved design to C.I. or S.C.I pipes embeded in and including cement concrete blocks 10 x10x10 cm of 1:2:4:mix (1 cement 2 sand 4 stone graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	wall etc.				
14400100	75 mm dia metre for C.I. pipe	Each	46.90	78.85	
14400200	100 mm diametre for C.I. pipe	Each	46.90	96.10	
14400300	150 mm dianetre for C.I.pipe	Each	46.90	119.10	
14410000	Providing and fixing on wall face C.I. accessories for rain water pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement :2 sand)				
14410100	C.I plain bend.				
14410101	75 mm diametre	Each	5.75	149.50	
14410102	100 mm diametre	Each	5.75	207.00	
14410103	150 mm dia metre	Each	6.30	453.10	
14410200	C.I.head flat or corner type bend				
14410201	75 mm dia metre	Each	5.75	197.80	
14410202	100 mm diametre	Each	6.30	232.90	
14410203	150 mm diametre	Each	6.90	488.15	
14410300	C.I.plain shoes plain				
14410301	75 mm dia metre	Each	5.75	173.65	
14410302	100 mm dia metre	Each	6.90	221.95	
14410303	150 mm diametre	Each	6.90	386.40	
14410400	C.I. branch (plain)				
14410401	75 mm dia single branch	Each	6.90	219.65	
14410402	100 mm dia single branch	Each	8.05	295.55	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14410403	150 mm dia metre single branch	Each	11.50	718.75	
14410404	C.I. single branches plain 75 mm dia double branch	Each	11.50	373.75	
14410405	100 mm dia double branch	Each	11.50	431.25	
14410500	C.I.offset plain				
14410501	75 mm dia 50 mm projection	Each	5.75	162.70	
14410502	75 mm dia 75 mm projection.	Each	5.75	277.70	
14410503	75 mm dia 115 mm projection	Each	5.75	301.30	
14410504	75mm dia 150 mm projection	Each	6.30	359.40	
14410505	100 mm dia 50 mm projection	Each	5.75	242.65	
14410506	100 mm dia 75 mm projection	Each	5.75	242.65	
14420000	Providing fixing and embedding sand cast iron rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix as that of masonry (lead caulking will be paid for separately)				
14420100	75 mm dia pipe	metres	22.10	371.70	
14420200	100 mm dia pipe	metres	27.90	444.25	
14420300	150 mm dia pipes	metre	39.00	1033.70	
14430000	Providing lead caulked joints to sand cost iron rain water pipe and fittings				
14430100	75 mm dia pipe	Each	28.10	155.10	
14430200	100 mm dia pipe	Each	45.55	290.00	
14440000	Providing fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix as that of masonry (lead caulking will be paid				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	for separately)				
14440100	S.C.I.plain bend				
14440101	75 mm dia	Each	5.75	147.20	
14440102	100 mm dia	Each	5.75	204.70	
14440103	150 mm dia	Each	8.60	451.40	
14440200	sand cast iron plain shoe.				
14440201	75 mm dia	Each	5.75	171.35	
14440202	100 mm dia	Each	6.90	219.65	
14440203	150 mm dia	Each	8.60	382.40	
14450000	Providing and fixing on wall face asbestos cement rain water pipe including jointing with spun yarn soaked in bitumen and cement mortar 1:2 (1 cement :2 sand) complete.				
14450100	50 mm dia metre	metres	12.40	41.30	
14450200	80 mm dia metre	metre	14.90	78.10	
14450300	100 mm diametre	metres	17.60	91.80	
14460000	Providing and fixing for A.C. pipe wall plugs and standard holder bat clamps comprising of two semi circular halves of flat iron and cast iron base screwed on wooden plugs.				
14460100	50 mm dia	Each	28.20	68.60	
14460200	80 mm dia	Each	28.20	74.20	
14460300	100 mm dia	Each	28.20	91.60	
14470000	Providing and fixing on wall face asbestos cement fittings for rain water pipe including jointing with				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	spun yarn soaked in bitumen and cement mortar 1:2 (1 cement :2 sand)				
14470100	Bends of required degree.				
14470101	50 mm dia without door	Each	6.90	64.40	
14470102	50 mm dia with door	Each	6.90	70.15	
14470103	80 mm dia without door	Each	6.90	70.15	
14470104	80 mm dia with door	Each	6.90	81.65	
14470105	100 mm dia without door	Each	6.90	81.65	
14470106	100 mm dia with door	Each	6.90	87.40	
14470200	Offsets.				
14470201	50 mm projection 50 mm dia	Each	6.90	70.15	
14470202	Offset 50 mm projection 80 mm dia	Each	6.90	81.65	
14470203	Offset 50 mm projection 100 mm dia	Each	6.90	93.15	
14470300	Offsets.				
14470301	75 mm projection 50 mm dia	Each	6.90	93.15	
14470302	75 mm projection 80 mm dia.	Each	6.90	150.65	
14470303	75 mm projection 100 mm dia.	Each	6.90	196.65	
14470400	Offset 100 mm projection.				
14470401	50 mm dia	Each	6.90	98.90	
14470402	80 mm dia .	Each	6.90	116.15	
14470403	100 mm dia	Each	6.90	139.15	
14470500	Offset 150 mm projection.				
14470501	50 mm dia metre	Each	6.90	110.40	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14470502	80 mm dia metre.	Each	6.90	185.15	
14470503	100 mm dia metre.	Each	6.90	208.15	
14470600	Offsets 200 mm projection				
14470601	50 mm dia metre	Each	6.90	139.15	
14470602	80 mm dia metre	Each	6.90	150.65	
14470603	100 mm dia metre	Each	6.90	162.15	
14470700	Offset 300 mm projection				
14470701	80 mm dia metre	Each	6.90	162.15	
14470702	100 mm dia metre	Each	6.90	173.65	
14470800	Offset 450 mm projection.				
14470801	80 mm dia metre	Each	6.90	179.40	
14470802	100 mm dia metre	Each	6.90	185.15	
14470900	Offset 650 mm projection 100 mm dia metre	Each	6.90	254.15	
14471000	Junction equal single.				
14471001	50 mm dia metre without door	Each	6.90	104.65	
14471002	50 mm dia metre with door	Each	6.90	104.65	
14471003	80 mm dia metre without door	Each	6.90	93.15	
14471004	80 mm dia metre with door	Each	6.90	116.15	
14471005	100 mm dia metre without door	Each	6.90	104.65	
14471006	100 mm dia metre with door	Each	6.90	139.15	
14471100	Junction equal double.				
14471101	50 mm dia without door	Each	6.90	104.65	
14471102	50 mm dia with door	Each	6.90	121.90	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14471103	80 mm dia without door	Each	6.90	144.90	
14471104	80 mm dia with door	Each	6.90	144.90	
14471105	100 mm dia without door	Each	6.90	144.90	
14471106	100 mm dia with door	Each	6.90	150.65	
14471200	Standard shoe				
14471201	50 mm dia	Each	6.90	70.15	
14471202	75 mm dia	Each	6.90	139.15	
14471203	100 mm dia	Each	6.90	150.65	
14471300	Hexagonal rain water head				
14471301	250x200 mm,80 or 100 mm dia	Each	6.90	139.15	
14471302	300x250 mm,80 mm or 100 mm dia	Each	6.90	162.15	
14471303	400x300 mm ,100 mm dia	Each	6.90	196.65	
14471400	Pentagonal rain water head. 230x200 mm ,80 or 100 mm dia	Each	6.90	127.65	
	WATER PROOFING				
14480000	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown or / and residual bitumen applied hot at 1.45 kg per sq .m of area for each course second course of roofing felt type 3 grade 1 (hessian base self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cu.dm or 0.006 cu.m) per sq.m. including preperation of surface excluding grading complete	sqm.	35.70	292.45	
14490000	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third & fifth courses of blown or				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	residual bitumen applied at 1.45 kg 1.20 and 1.45 kg persq.mof area respectively second and fourth course of roofing felt type 3 grade i (hessain bese finished bitumen felt) sixth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cu.dm or (0.006 cu.m) per sq.m including preparation of surface excluding grading complete	sqm.	52.35	473.00	
14500000	Supplying and applying bitumenous solution primer on roof and or wall surface at 0.24litre per sq m	sqm.	5.50	29.15	
14510000	Deduct for omitting in water proofing treatment final course of spreading.				
14510100	Stone grit 6 mm and down size or pea sized gravel 6 dm ³ /sq.m.(0.006cu.m)	sqm.	2.05	6.60	
14510200	Stone grit 6 mm and down size or pea sized gravel 8 cu.dm,/sq.m .	sqm.	2.70	8.75	
14520000	Grading roof for water treatment with				
14520100	Lime concrete with 20 mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi)	sq.m.	170.90	350.10	
14520200	Cement concrete 1:2:4 (1 cement :2 sand 4 graded stone aggregate 20 mm nominal size)	cum	714.00	3454.10	
14520300	Cement mortar 1:3 (1 cement:3 sand)	cum	1495.35	5002.25	
14520400	Cement mortar 1:4 (1cement :4 sand)	cum.	1483.00	4242.75	
14530000	Providing and laying plastic roofing compound standrad black (using 2.75 kg per sq m) over a surface painted with cold plastic roofing liquid compound at 0.24				

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	litre per sq.m including spreading sand over the top surface at 6 cu dm. or (0.006 cu.m) per sq.m etc complete.	sqm.	16.40	205.05	
14540000	Providing perpex sheet roofing fixed with G.I. or J. and L hooks,bolts and nuts 8mm.dia metre with bitumen and G.I. limpet washers filled with white lead complete excluding cost of purlins, rafters and trusses. 2 mm thick sheet.	sq.m.	29.35	991.75	
14550000	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accesoriees as required as per the direction of Engineer-in-charge.	sqm	29.25	842.00	
14560000	Providing and fixing ridges or hips 60 cm overall with 0.60mm thick prepainted steel sheets in roofing with hot dipped metalic zinc coated sheets with top coat of regular modified polyster organic coating of 20 microns over 5 microns primer coating + back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts & nuts 6mm dia & prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer in Charges.	Rmt.	63.15	391.30	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
14570000	Providing and fixing valley 60 cm overall 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster organic coating of back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia with prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-in-charge.	Rmt.	83.10	409.70	
1458000000	Providing and fixing flushing 38cm overall with 0.60mm thick prepainted sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster organic coating of 20 microns over 5 microns primer coating + back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia meter & prepainted G.I. limpet & bitumen washers complete with all accessories as required as per the direction of Engineer-in-Charge.	Rmt.	84.40	335.65	
1459000000	Providing and fixing on wall face PVC (D-Plast) rain water pipes of working pressure not less than 4.5 kg/sqm including filling the joints with approved adhesive complete.				
1459010000	75mm dia pipes	Rmt.	18.20	173.60	
1459020000	100mm dia pipes	Rmt.	18.20	225.40	
1459030000	150mm dia pipes	Rmt.	18.20	277.10	
1460000000	Providing and fixing on wall faces PVC (D-Plast) accessories for rain water pipes including filling the joints with approved adhesive complete				
1460010000	PVC Plain bend 150mm dia	Each	5.75	289.80	
1460020000	PVC concrete type bend 150mm dia	Each	5.75	289.80	

ROOF COVERINGS

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1460030000	PVC shoe 150mm dia	Each	5.75	157.55	
1461000000	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separately)	sqm	53.70	1227.50	
1462000000	Providing and fixing polycarbonatd tranparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	Sqm	29.35	1426.25	
1463000000	Providing and fixing PGI Sheet 0.63mm thick in expansion joint with overall width 45 cm fixed to beam /slab with wooden plugs and screws i/c bending to slope and fixed in bitumen mix filler in proparation of 80 kg bitumen 1 kg of cement & 0.25 cum of sand hot mixed complete.	sqm	74.80	556.50	

CHAPTER XV
STEEL WORK

CHAPTER XV

STEEL WORK

Notes :-

1. The through rates include the carriage of steel for a distance of 100 meters on head load and one kilometer by mechanical transport, All other lead shall be paid separately depending upon the location of the site of work. The labor rates include the cost on account of water.
2. The through rates include the wastage of steel during fabrication.
3. The rated for hoisting take into account the element of labor cost only . The rates are exclusive of the cost of temporary structures, arrangements for providing counter weight or launching truss / nose and of hire charges of machinery etc. If actually required for hoisting wherever such like items are required, additional rates shall be paid on the merits of the individual case. For temporary structures, credit will be afforded for the salvaged materials . The most economical procedure for hoisting as warranted according to site condition shall be worked out by the Engineer-in -Charge.

CHAPTER XV

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1501000000	Steel work in single sections including cutting,hoisting,fixing in position and applying a priming coat of red lead paint				
1501010000	In R.S.Joists,channels angles,tees	Qtl	423.50	5890.10	
1501020000	In Flats.	qtl	499.00	5971.30	
1502000000	Steel work rivetted in built up sections including cutting,hoisting, fixing,in position and applying a priming coat of red lead paint .				
1502010000	In beams joists,channels angles,tees,flats with connectiong plates or angle cleats as in main and cross beams hip and jack rafters purlins connected to common raffers and the like.	Qtl.	640.15	6144.75	
1502020000	In single stanchions composed of rolled steel joists or channels with caps bases ,splices ,angles ,brackets etc.	Qtl	683.70	6214.40	
1502030000	In rolled steel joists with or without stiffoners in grillage (the weight of stiffeners shall be added to the weight of joists)	Qtl.	1060.35	6516.90	
1502040000	In grating,Framed guards, bars,ledders railings,brackets & similar works.	qtl	2122.85	7520.50	
1502050000	In straps,wall ties,inserts,knee pieces and similar works.	Qtl	462.60	5968.15	
1502060000	In trusses and trussed purlins in buildings	Qtl.	2210.30	7702.15	
1502070000	In trussed steel bridges.				
1502070100	Up to 15 metre span	QTI	2352.65	7842.90	

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1502070200	Beyond 15 metre but up to 30 metre span	Qtl	2493.25	7983.50	
1502070300	Extra for every additional 5 metres span or part there of beyond 30 metres span but not exceeding 45 metres	QTL.	46.85		
150207030A	Special rates on the merit of the individual case shall be worked out for bridge exceeding 45 m. A.)Hoisting stiffening trusses.	Qtl	67.60		
150207030B	B.)Hoisting trusses and trussed purlins in building.	Qtl	138.45		
150207030C	C.)Hoisting trussed steel bridges (up to) 15 m span.	Qtl	276.90		
150207030D	D.)Hoisting trussed steel bridges. Beyond 15mtr.but upto 30mtr. Span	Qtl	415.40		
1503000000	Steel work bolted in built up sections,including cutting , hoisting ,fixing in position and applying a priming coat of red lead paint.				
1503010000	In R.S. joists,channels,angles tees,flats with connecting plates or angle cleats as in main and cross beams,hip and jack rafters, purlins connected to common rafter and the like.	Qtls.	635.60	6186.85	
1503020000	In single stanchions composed of rolled steel joists orchannels,with caps,bases splices,angles,brackets etc.	QTL.	681.30	6016.45	
1503030000	In rolled steel joists with or without stiffeners in grillage the weight of stiffeners shall be added to the weight of joists.	QTL	1038.30	5024.80	
1503040000	In gratings, Framed guards, bars ladders railings brackets and similar works.	QTL.	2123.75	7567.25	
1503050000	In straps,wall ties,knee pieces,inserts and similar works.	QTL	462.90	5989.30	

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1503060000	In trusses and trussed purlins in buildings.	Qtl.	1546.85	7042.15	
1503070000	In Trussed steel bridges.				
1503070100	Up to 15 metre span.	QTL	1687.70	7198.60	
1503070200	Beyond 15 metre but upto 30 metre span.	Qtl	1828.25	7339.20	
1503070300	Extra for every additional 5 metre span or part thereof beyond 30 metres span but not exceeding 45 metres.	QTL	46.85		
150307030A	Note:-Special rates on the merit of the individual case shall be workedout for bridge exceeding 45m A.)Hoisting stiffening trusses.	qtl	67.60		
150307030B	B.)Hoisting trusses and trussed purlins in building.	Qtl	138.45		
150307030C	C.)Hoisting trussed steel bridges (up to) 15 m span.	Qtl	276.90		
150307030D	D.)Hoisting trussed steel bridges. Beyond 15mtr. But upto 30mtr. Span	qtl	415.40		
1504000000	Steel work welded in built up sections,trusses and framed work,including cutting ,hoisting ,fixing in position and applying a priming coat of red lead paint.				
1504010000	In beams joists channels ,angles , tee ,flats with connecting plates or angle cleats as in main and cross beams,hip and jack rafters,purlins connected to common rafters and the like.	QTL.	349.45	7085.00	
1504020000	In single Stanchions composed of rolled steel joists or channels with caps,bases splices,angles brackets etc.	QTL.	355.00	6111.25	
1504030000	In rolled steel joists with or without stiffeners in grillage (the weight				

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	of stiffeners shall be added to the weight of joists.	QTL.	163.15	5719.10	
1504040000	In gratings framed guard bars,ladders,railling,brackets and similar works.	Qtl.	1024.60	7569.45	
1504050000	In straps,wall ties,inserts,knee pieces and similar works.	Qtl.	282.80	5916.40	
1504060000	In trusses and trussed purlins in buildings.	QTL.	493.80	6613.70	
1504070000	In Trussed steel bridges .				
1504070100	Upto 15 metres span	Qtl.	705.30	6825.15	
1504070200	Beyond 15 metres but upto 30 metre span.	Qtl.	845.05	6964.95	
1504070300	Extra for every additional 5metres span or part thereof beyond 30mtrs span but not exceeding 45 metres	QTL.	46.60		
150407030A	Special rates on the merit of the individual case shall be worked out for bridge exceeding 45 m. A.)Hoisting stiffening trusses.	Qtl	67.60		
150407030B	B.)Hoisting trusses and trussed purlins in building.	Qtl	138.35		
150407030C	C.)Hoisting trussed steel bridges (up to) 15 m span.	Qtl	276.90		
150407030D	D.)Hoisting trussed steel bridges. Beyond 15mtr. But upto 30mtr. Span	Qtl	415.40		
1505000000	Providing and fixing pressed steel doors frames manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jumb lock jamb,beed and if reured angle threshold of mild steel angle of section 50X25 mm or base ties of 1.25 mm pressed mild steel welded or regidly fixed together by mechanical means,adjustable lugs with split and tails to each jamb including steel butt hinges 2.5 mm thick with guards,lock strike plate				

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	and shock absorber as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-in-Charge.				
1505010000	Profile-A	Metre	13.25	232.40	
1505020000	PROFILE -B	Metre	13.90	232.55	
1505030000	PROFILE -C	Metre	13.90	271.40	
1506000000	Providing and fixing angle iron door,window,clerestory window frame manufactured from steel iron section of 40X40X6 mm,thickness including hinges jamb,lock jamb,beed and if required angle thrashold of mild steel angle 50X25 mm welded or rigidly fixed by mechanical means,lugs with split end tails to each jamb including steel butt hinges 2.5 mm thick with provision for locking arrangement and shock absorber as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-in- Charge.	Metre	13.25	224.10	
1507000000	Providing and fixing in position collapsible steel shutters with vertical channels 20 mm X10 mmX2mm and braced with flat iron diagonals 20 mm X5 mm size with top and bottom rails of T.iron 40 mm X40 mm X6 mm with 38 mm dia steel pulley complete with bolts and nuts locking arrangements, stoppers,handles,including applying a priming coat of red lead paint.	SQ.M.	1480.80	3532.60	
1508000000	Providing and fixing 1 mm thick M.S sheet sliding shutters with frame and diagonal braces or 40 mmx40mmx6 mm angle iron 3.15 mm M.S gusset plates at junctions and corners 25mm dia pulley, 40mm X40 mm X6mm angle and T.iron guide at the top and bottom respectively,including applying a priming coat of red lead paint.	SQ.M	548.90	2728.20	

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1509000000	Providing and fixing 1 mm thick M.S sheet garrage door with frame of 40 mmX 40mm X6mm angle iron 3.15 mm m.s gusset plates at the junctions and corners,all necessary fittings complete including applying a priming coat of red lead paint.				
1509010000	Using M.S angles 40mm x 40mm x 6mm for diagonal braces.	sq.m.	564.90	2224.65	
1509020000	Using Flats 30 mmX6 mm for diagonal braces and central cross pieces .	sq.m	561.90	2097.20	
1510000000	Supplying and fixing rolling shutters of approved make made of 80 mm X 1.25mm M.S laths interlocked together through their entire length and joined together at the end by end locks mounted on specially designed pipe shaft,with brackets side guides and arrangements for inside and outside locking with push pull operation complete but excluding the cost of the top cover and spring.				
1510010000	Shutters having width below 3.5 metres.	sq.m.	141.55	1069.20	
1510020000	Shutters having width 3.5 metres and above.	sq.m	141.55	1011.70	
1511000000	Providing and fixing 27.5 centimetre long wire spring grade No.2 for rolling shutters.	Each	16.40	720.20	
1512000000	Providing and fixing top cover for rolling shutters.				
1512010000	Shutters having width bolow 3.5 metre.	metre	15.20	486.70	
1512020000	Shutters having width 3.5 metre and above.	metre	18.25	691.00	
1513000000	Providing and fixing ball bearing				

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	for rolling shutters.	Each	19.55	778.55	
1514000000	Extra providing mechanical device chain and crank operation for operating rolling shutters.				
1514010000	Rolling shutters operated by bevel gear box and crank handle exceeding 12.0 sq.m.and upto 25.0 sq.m in area(average say 18.5 sq.m).	sq.m	22.45	741.20	
1514020000	Rolling shutters operated by chain wheel and hand chain exceeding 25.0 sq.m and upto 35.0 sq.m in area(average say 30.0 sq.m)	sq.m.	22.45	741.20	
1515000000	Fixing standerd steel glazed doos, windows and ventilator,s in walls with 16X3.15mm lugs 10cm.long embeded in cement concrete blocks 15X10X10 cm.of 1:3:6(1 cement 3 sand:6 graded stone aggregate 20 mm nominal size)or with wooden plugs and screws or rawl plugs and screws or with fixing clip,or with bolt and nut as required,including fixing of glass panes wih glazing clips and special metals sash putty of approved make,or metal beading with screws(only steel windows with lugs,glass punes cut to size and glazing clips or metal beading with screws,shall be supplied by department free of cost.)	sq.m.	129.40	198.90	
1516000000	Providing and fixing steel glazed doors, windows and ventilators of standerd rolled steel sections ,joints mitred and welded with 16x3.15 mm lugs 10 cm.long embedded in cement concrete blocks 15 cmx10cmx10cm size of 1:3:6(1 cement:3 sand:6 graded stone aggregate 20mm nominal size)or with wooden plugs and screws or rawl plug and screws or with fixing clips or with bolts and nuts as required and iron fittings,including providing and fixing of glass panes with glazing clips and special metal sesh putty				

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	of approved make complete including applying a priming coat of red lead paint.				
1516010000	Steel doors				
1516010100	Fixed doors.	Sq.m	141.40	1417.50	
1516010200	Single leaf doors.	sq.m.	141.40	1532.50	
1516010300	Double leaf doors.	Sqm.	141.40	1762.50	
1516020000	Steel windows.				
1516020100	Fixed steel windows	Sq.m	141.40	1383.00	
1516020200	Side hung windows	Sq.m	141.40	1526.70	
1516030000	Steel ventilators.				
1516030100	Top hung ventilators.	sq.m	141.40	1756.70	
1516030200	Centre hung ventilator.	sq.m.	141.40	1756.70	
1517000000	Extra for providing and fixing metal beading of approved shape and section with screws for:				
1517010000	Steel doors.	sq.m.	43.40	361.70	
1517020000	Steel windows	sq.m.	22.60	432.70	
1517030000	Steel ventilators	sq.m.	28.05	437.20	
1518000000	Providing and fixing 20 mm x 6mm mild steel 15 cm long clamps for securing chick tops.	Each	6.20	32.70	
1519000000	Providing and fixing mild steel rings of 6mm round bar and 40 mm internal dia for fastening ropes of chicks .	Each	6.20	32.70	
1520000000	Providing and fixing M.S.fan clamp type -1 of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C slab during laying including painting the exposed portion of				

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	loop,all as per standard design complete.	Each	17.90	103.10	
1521000000	Extra over item 15.20 for providing and fixing M.S fan clamp type-II as per standard design laying towards the additional height of the clamp due to beam rib.	Additional per cm.height	0.05	1.65	
1522000000	Providing and fixing in R.C.C slab,during laying,rectangular cast iron box 180 mm x 100mm x 100 mm with holes and on notches as required bottom and top lids of 1.6 mm thick M.S.sheet fixed with 3.5 dia round headed screws together with M.S fan clamp,type-III of 12 mm dia, M.S. box bent to shape with hooked ends as per standard design including painting exposed Portion.	Each	14.05	89.25	
1523000000	Providing and fixing M.S.round holding down or anchor bolts with nuts and washer plates complete.	Qtl	462.10	5525.00	
1524000000	Providing and fixing M.S.bolts of sizes with nuts and washers complete.	QTL.	1610.00	8779.20	
1525000000	Providing and fixing M.S. rivets of sizes in position	Qtl.	3414.40	9409.60	
1526000000	Welding by Gas plant.	per cm.length		3.45	
1527000000	Welding by electric plant.	per cm.length		2.30	
1528000000	WIRE ROPES & ACCESSORIES SUSPENSION BRIDGES Supplying,hoisting and streching to specified profile wire rope for suspension bridges. (including guy ropes)	qtl	1127.00	11204.65	
1529000000	Providing and fixing in position steel accessories like clamps ,suspenders,rope grips,U-Bolts anchorage bolts with pulleys etc.alongwith fixrures for a				

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	suspension bridges.	Qtl	1667.50	10020.15	
1530000000	Providing and fixing in position cast steel fixtures like saddles ,rocker and roller beading along with rollers,grease box and other fixtures.	Qtl	575.00	12090.00	
1531000000	Providing and fixing in position cast iron fixtures like saddles ,rocker and roller bearings alongwith rollers,grease box and other fixtures.	Qtl	287.50	3005.00	
1532000000	Providing and fixing angle iron door,window,clerestory window frame manufactured from M.S.Angle iron section of 50X50X6 mm ,thickness including hinges jamb,lock jamb,beed and if required angle thrashold of mild steel angle 50X25 mm welded or rigidly fixed by mechanical means,lugs with split end tails to each jamb including steel butt hinges 2.5 mm thick with provision for locking arrangement and shock observer as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-in-Charge.	Metre	12.80	275.85	
1533000000	Providing and fixing angle iron cupboard frames manufactured from M.S.Angle iron section 25X25X5mm thickness including hinges jamb,lock jamb,beed and if required angle thrashold of mild steel angle 25X25 mm welded or rigidly fixed by mechanical means,lugs with split end tails to each jamb including steel butt hinges 2.5 mm thick with provision for locking arrangement and shock absorber as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-in-Charge.	Metre	12.80	129.00	

STEEL WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
1534000000	Providing and fixing moulded hand rail of M.S. hollow pipe 50mm dia welded in straight length over M.S. flat at top of vertical balusters including one coat of red oxide priming coat complete (M.S. flat & balusters of railings shall be measured & paid separately).	Rmt.	23.80	116.50	

CHAPTER XVI
PAINTING AND POLISHING

CHAPTER XVI

PAINTING AND POLISHING

Notes :-

1. The through rates include the carriage of all materials for 100 meters on head load and one kilometer by mechanical transport. All other additional carriage shall be accounted for separately.
2. The through rates include the cost of materials, wastage, sand papers and brushes required for completion of any item. The labor rates include the cost of brushes, sand papers scaffolding etc. and other appurtenant sundries.
3. The specification- paints, and other goods shall be of Grade –I notified by the Engineer-In-Chief, Himachal Pradesh PWD , from time to time.

CHAPTER XVI

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
STEEL AND OTHER METAL SURFACES					
16001000	Removing old paint from Steel and other metal surfaces & making the surface even.				
16001010	With hand scraping.	sq.m.	23.60		
16001020	With flame cleaning	Sq.m.	23.40	27.25	
16001030	With paint remover of approved brand and manufacture.	Sq.m.	15.70	26.20	
16002000	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete.				
16002010	With ready mixed priming paint brushing red lead,Red-oxide/zinc oxide chrome.	sq.m.	9.60	17.15	
16003000	Applying modrent solution on new G.I sheet for preparation of surface for painting @ 5 litres/100 sqm.of surface and rubbing the solution with brush including thoroughly cleaning the surface of all oil grease dirt and other foreign matter.	sq.m.	10.30	11.90	
16004000	Applying priming coat on external surface of new rain water soil waste and fittings with readymixed priming paint brushing red lead including preparing the surface by thoroughly cleaning oil grease dirt,and other foreign matter and scoured with wire brushes,fine steel wool scrapers and sand paper.				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16004010	50 mm dia	Metres	2.80	4.70	
16004020	75 mm dia	Metres	3.55	6.05	
16004030	100 mm dia	Metres.	4.30	7.40	
16004040	150 mm dia	Metres.	5.85	10.15	
16004050	Eaves gutter not exceeding 90 cm.in girth.	Metres.	9.70	17.10	
16005000	Painting two coats (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foregin matters :--				
16005010	Enamel white paint	sq.m.	16.35	34.90	
16005020	Enamel paint other than white :--	sq.m.	16.35	36.10	
16006000	Spray painting two coats (excluding priming coats) on new steel and other metal surfaces with enamel paints spraying to give an even shade including cleanign the surfaces of all dirt,dust and other foregin matter :--				
16006010	With white enamel paint	sq.m.	17.60	38.45	
16006020	With enamel paint other than white	sq.m.	17.60	39.60	
16007000	Painting one coat (excluding priming coat) on previously painted steel and othermetal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter :--				
16007010	With white enamel paint	sq.m.	10.30	22.70	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16007020	With Enamel paint other than white	sq.m.	10.30	23.40	
16008000	Spray painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint,to give an even shade including cleaning the surface of all dirt,dust and other foreign matter				
16008010	With white enamel paint	sq.m.	12.10	24.95	
16008020	With enamel paint other than white	Sq.m.	12.10	25.65	
16009000	Extra over item No.16005000 & 16007000 for every subsequent coat of paint.				
16009010	With white enamel paint	sq.m.	9.60	21.00	
16009020	With enamel paint other than white	sq.m.	9.60	21.70	
16010000	Extra over item No. 16006000 and 16008000 for every subsequent coat of paint.				
16010010	With white enamel paint	sq.m.	10.25	22.85	
16010020	With enamel paint other than white	Sq.m.	10.25	23.55	
16011000	Painting two coats (excluding priming coat)on new steel and other metal surface under coat with ready mixed paint brusing to give an even shade including cleaning the surface all dirt,dust and other foreign matter :-				
16011010	With white readymixed paint	sq.m.	16.35	39.50	
16011020	With readymixed paint other than white	sqm.	16.35	39.50	
16012000	Painting one coat (excluding priming coat) on previously painted steel & other metal				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	surfaces with readymixed paint,brushing oil, grease to give an even shade including cleaning the surface of all dirt,dust and other foreign matter :--				
16012010	With white readymixed paint:	sq.m.	10.30	25.25	
16012020	With readymixed paint other than white.	sq.m.	10.30	25.25	
16013000	Extra over item No.16011000 and 16012000 for every subsequent finishing coat of paint :--				
16013010	With white readymixed paint	sq.m.	9.60	23.60	
16013020	With readymixed paint other then white.	sq.m.	9.60	23.60	
16014000	Painting two coats(excluding priming coat)on new steel and other metal surfaces with aluminium paint,brushing to give an even shade including cleaning the surface of the dirt,dust and other foreign matter:--	sq.m.	16.35	34.95	
16015000	Painting one coat(excluding priming coat)over previously painted steel and other metal surfaces with Aluminium paint,brushing to give an even shade including cleaing of all dirt,dust and other foreign matter:--	sq.m.	11.30	22.05	
16016000	Painting three coats (excluding priming coat) on new steel and other metal surfaces with readymixed bituminous paint,brushing,black anticorrosiv to give an even shade including cleaning of all dirt,dust and other foreign metter :--	sq.m.	24.80	44.20	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16017000	Painting two coats (excluding priming coat)on previously painted steel and other metal surfaces with readymixed bituminous paint anticorrosive paint,brushing,black to give an even shade including cleaning of all dirt,dust and other foreign matter :--	sq.m.	16.35	28.55	
16018000	Painting one coat (excluding priming coat)on previously painted steel and other metal surfaces with readymixed bituminous paint anticorrosive paint,brushing,black to given an even shade including cleaning of all dirt,dust and other foreign matter :--	sq.m.	10.30	18.70	
16019000	Painting two coats (excluding priming coat)on new steel and other metal surfaces with readymixed paint acid resisting brushing to give an even shade including cleaning of all dirt,dust and other foreign matter.	sq.m.	16.35	43.20	
16020000	Painting one coat(excluding priming coat)on previously painted steel and other metal surfaces with readymixed paint acid resisting brushing to give an even shade including cleaning of all dirt,dust and other foreign matter.	sq.m.	10.30	27.55	
16021000	Extra over items 16019000 and 16020000 for every subsequent coat of paint	sq.m.	9.60	25.90	
16022000	Painting two coats (excluding priming coat)on new steel and other metal surfaces with coal-tar black paint to give an even shade including cleaning of all dirt,dust and other foreign matter.	sq.m.	16.35	25.80	
16023000	Painting one coat (excluding priming coat)on previously painted steel and other metal surfaces with				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	coal-tar black paint to give an even shade including cleaning of all dirt,dust and other foreign matter.	sq.m.	10.30	17.05	
16024000	Extra over items No.16022000 and 16023000 for every subsequent coat of paint	sq.m.	9.60	15.35	
16027000	Painting three coats(excluding priming coat)on external surfaces of new rain water soil waste and vent pipes and fittings with readymixed bitumenous paint brushing black anticorrosive to give an even shade including cleaning of all dirt,dust and other foreign matter :--				
16027010	50 mm dia.	Metre	7.30	11.05	
16027020	75 mm dia	Metre	10.15	14.50	
16027030	100 mm dia	Metre	11.15	17.95	
16027040	150 mm dia	metre	15.10	25.00	
16027050	Eaves gutter not exceeding 90 cm.in girth.	Metre	25.20	42.95	
16028000	Painting one coat (excluding priming coat)on previously painted rain water soil waste and vent pipes and fitting with readymixed bituminuous paints brushing black anticorrosive to give an even shade including cleaning of all dirt ,dust and other foreign matter.				
16028010	50 mm dia .	metre	3.00	4.75	
16028020	75 mm dia.	Metre	3.80	6.20	
16028030	100 mm dia	metre	4.60	7.70	
16028040	150 mm dia	metre	6.25	10.70	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16028050	Eaves gutter not exceeding 90 cm in girth.	metre	10.40	18.25	
16029000	Painting two coats (excluding priming coat) on external faces of new rain water soil, waste and vent pipes and fitting with aluminium paint, brushing to give an even shade including cleaning of all dirt, dust and other foreign matter				
16029010	50 mm dia	metre	4.65	8.25	
16029020	75 mm dia	metre	5.90	10.95	
16029030	100 mm dia	metre	7.20	13.70	
16029040	150 mm dia	metre	9.80	19.25	
16029050	Eaves gutter not exceeding 90 mm girth.	Metre	16.45	33.45	
16030000	Painting one coat (excluding priming coat) on previously painted rain water soil waste pipe & fittings with aluminium paint brushing to give an even shade including cleaning of all dirt, dust and other foreign matter :-				
16030010	50 mm dia	metre	3.00	5.35	
16030020	75 mm dia	metre	3.80	7.10	
16030030	100 mm dia	metre	4.60	8.80	
16030040	150 mm dia	metre	6.25	12.30	
16030050	Eaves gutter not exceeding 90 mm in girth	metre	10.40	21.30	
16031000	Extra for item No.16027000 and 16028000 for every subsequent coat of paint				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16031010	50 mm dia	Metre	1.70	2.95	
16031020	75mm dia	Metre	2.45	4.25	
16031030	100 mm dia	Metre	3.20	5.55	
16031040	150 mm dia	Metre	4.75	8.20	
16031050	Eaves gutter not exceeding 90cm. in girth.	Metre	8.65	14.95	
16032000	Extra over item Nos.16029000 and 16030000 for every subsequent coat of paint.				
16032010	50 mm dia.	Metre	1.85	3.75	
16032020	75 mm dia	Metre	2.65	5.40	
16032030	100 mm dia	Metre	3.45	7.05	
16032040	150 mm dia	Metre	5.10	10.40	
16032050	Eaves gutter not exceeding 90 cm in girth	Metre	9.25	18.95	
16033000	Painting two or more coats on G.I Sheets with readymix paint of approved brand and manufacture on new work to give an even shade.				
16033010	Readymixed paint Red shade	Sq.m	16.65	29.25	
16033020	White /grey/green shade	Sq.m	16.65	30.15	
16034000	Painting one or more coats on G.I Sheets with readymix paint of approved brand and manufacture on old work to give an even shade.				
16034010	Red shade.	Sq.m	11.60	18.90	
16034020	White /grey/green shade	Sq.m	11.60	19.40	
16035000	WOOD AND WOOD BASED SURFACES Removing old paint or polish from wood and wood based surfaces with				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	paint remover of approved brands and manufacture and making the surface even with:--				
16035010	Paint remover of approved brand and manufacture :	sq.m.	16.95	28.10	
16035020	Caustic soda	Sq.m	12.95	16.15	
16035030	Blow lamp	SQ.M.	24.55	29.00	
16036000	Applying priming coat over new wood and wood based surfaces after and including prepering the surface by thoroughly cleaning oil,grease,dirt and other foreign matter) sand papering and knotting.				
16036010	Readymixed paint brushing with white lead for priming	SQ.M.	9.60	19.00	
16036020	Readymixed paint brushing wood primer pink	SQ.M.	9.60	20.75	
16036030	Readymixed paint aluminium brushing primer water resistant	SQ.M.	9.60	22.40	
16036040	Readymixed paint brushing primer for enemel	sq.m.	9.60	24.15	
16036050	Wood filler transparent liquid for varnish.	Sq.m.	9.60	22.00	
16037000	Extra over itemno 16036000 for every subsequent coat of priming				
16037010	Readymixed paint brushing white lead for priming .	Sq.m.	7.90	16.70	
16037020	Readymixed paint brushing wood primer pink	Sq.m.	7.90	18.45	
16037030	Readymixed paint aluminium	Sq.m.	7.90	20.15	
16037040	Readymixed paint brushing priming for enamel	Sq.m.	7.90	22.00	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16037050	Wood filler transparent liquid for varnish	Sq.m.	7.90	19.70	
16038000	Applying two coats of wood preservative on new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter,sand papering and knotting.	sq.m.	5.40	27.35	
16039000	Applying one coat for wood preservative on previously treated wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil,grease,dirt and other foreign matter,sand papering and knotting	sq.m.	4.25	22.05	
16040000	Painting two coats(excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt,dust and other foreign matter,sand papering & stoping				
16040010	With white enamel paint	sq.m.	17.60	36.75	
16040020	With enamel paint other than white	sq.m.	17.60	37.90	
16041000	Painting one coat(excluding priming coat)on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt,dust and other foreign matter sand papering and stopping				
16041010	With white enemal paint	sq.m.	12.10	23.10	
16041020	With enamel paint other than white	sq.m.	12.10	24.80	
16042000	Extra over item No. 16040000 and 16041000 for every subsequent coat of paint				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16042010	With white enamel paint	sq.m.	10.30	21.70	
16042020	With enamel paint other than white	sq.m.	10.30	22.40	
16043000	Painting two coats (excluding priming coat) on new wood and wood based surfaces, with readymixed paint, brushing to give an even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping:--				
16043010	With white paint	Sq.m.	17.60	41.35	
16043020	Readymixed paint other than white	sq.m.	17.60	41.35	
16044000	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with readymixed paint brushing to give an even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping				
16044010	With Readymixed paint (white)	sq.m.	12.10	26.65	
16044020	With readymixed paint other than white	sq.m.	12.10	26.65	
16045000	Extra over item No.16043000 and 16044000 for every subsequent coat of paint				
16045010	With readymixed paint(white)	sq.m.	10.30	24.25	
16045020	With ready mixed paint other than white	sq.m.	10.30	24.25	
16046000	Painting two coats (excluding priming coat) on new wood and wood based surface under coat with enamel and finishing coating with flat oil paint, brushing to give an even shade including cleaning of all				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	dirt,dust and other foreign matter,sand papering and stopping:-				
16046010	With white enamel paint	sq.m.	17.60	43.00	
16046020	With paint other than white	sq.m.	17.60	43.70	
16047000	Painting one coat(excluding priming coat)on previously painted wood and wood based surfaces with readymixed flat oil paint,brushing to give an even shade including cleaning of all dirt,dust and other foreign matter and sand papering and stopping :-	sq.m.	12.10	26.30	
16048000	Extra over item No. 16046000 and 16047000 for every subsequent coat of paint.	sq.m.	10.30	22.40	
16049000	Applying spirit or oil stains (any colour)on wood and wood based surfaces to given an even surfaces including cleaning the surfaces of all dirt,dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting.	sq.m.	44.45	64.10	
16050000	Varnishing two coats (excluding priming coat)on new wood and wood based surfaces,under coating,with flatting varnish and finishing coat with varnish to give an even surface including cleaning the surfaces of all dirt,dust and sand papering so as to produce a smooth,dry and matt surface	sq.m.	28.55	55.20	
16051000	Varnishing one coat (excluding priming)on previoulsy varnished wood and wood based surfaces to give an even surface,including cleaning the surface of all dust and sand papering so as to produce a smooth,dry and matt surface	sq.m.	12.10	22.50	
16052000	Extra over items 16050000 and				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	16051000 for every subsequent coat of varnish	sq.m.	10.30	20.40	
16053000	Polishing two coats with french polish on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt,dust,and sand papered smooth and including a coat of wood filler.	sq.m.	52.20	72.25	
16054000	Polishing one coat with french polish on previously polished wood and wood based surface to give an even surface including cleaning the surface of all dirt,dust and sand papered smooth and including a coat of wood filler.	sq.m.	26.40	37.50	
16055000	Extra over items 16053000 and 16054000 for every subsequent coat of polishing	sq.m.	21.25	32.35	
16056000	Applying two coats of raw linseed oil on new wood and wood based surface to give an even surface including cleaning the surface of all dirt,dust and sand papered so as to produce a smooth,dry and matt surface	sq.m.	7.60	21.15	
16057000	Applying one coat of oil with raw linseed oil on previously oiled wood and wood based surfaces to give an even surface including cleaning the surface of all dirt,dust and sand papering so as to produce a smooth,dry and matt surfaces	sq.m.	6.50	14.75	
16058000	Applying wax polish on new wood and wood based surfaces with bees wax polish in proportion of 2:1.5:1:0.5(2 bees wax:1.5 linseed oil : 1 turpentine oil:0.5 varnish by weight) to give an even surface including cleaning the surface of all dirt,dust and sand papered				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	smooth.	sq.m.	20.90	34.25	
16059000	Applying wax polish on previously wax polished wood and wood based surfaces with bees wax polish in proportion of 2:1.5:1:0.5(2 bees wax:1.5 linseed oil:1 turpentine oil: 0.5 varnish by weight)to give an even surface including cleaning the surface of all dirt,dust and sand papered smooth	sq.m.	11.00	20.90	
16060000	Painting two coats (excluding priming coat)on new wood and wood based surfaes with coal tar black paint to give an even shade including cleaning of all dirt,dust and other foreign matter	sq.m.	16.35	25.80	
16061000	Painting one coat (excluding priming coat)on previosly painted wood and wood based surface with coal tar black paint to give an even shade including cleaning of all dirt,dust and other foreign matter :--	sq.m.	11.30	17.00	
16062000	Extra over items 16060000 and 16061000 for every subsequent coat of paint	sq.m.	9.60	15.40	
16063000	Painting one coat (excluding priming coat)on wood and wood based surfaces with black japan paint to give an even shade including cleaning of all dirt,dust and other foreign matter	Sq.m.	11.30	22.50	
16064000	Extra over items 16062000 for every subsequent coat of paint	Sq.m	9.60	20.25	
16065000	Coal tarring two coats on new wood and wood based surfaces using 0.16 and 0.12 litres of coal tar per sqm in the first and second coat respectively to give an even shade including cleaning of all dirt,dust and other foreign matter	Sq.m	6.90	35.70	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16066000	Coal tarring one coat on previously painted wood and wood based surfaces using 0.12 litres of coal tar per sqm to give an even shade including cleaning of all dirt,dust and other foreign matter	sq.m.	5.40	17.75	
16067000	Extra over item No.16065000 and 16066000 for every subsequent coat of paint	Sq.m	4.60	16.95	
16068000	Treatment of timber in a hot mixture of tar and creosote oil in the proportion of 20 kg coal tar pitch to 25 litres of creosote oil (about 4 minuts dipping)	sq.m.	3.75	85.35	
16069000	Sanding newly tarred or painted surfaces with clean sharp sand	sq.m.	3.90	5.15	
16070000	CONCRETE MASONRY ASBESTOS CEMENT AND PLASTERED SURFACES				
16070000	Applying priming coat on new concrete/masonry/asbestos cement/plastered surfaces after and including preparing the surface by thoroughly cleaning oil,grease,dirt and other foreign matter and sand papering as required with :-				
16070010	Readymixed primer	sq.m.	8.20	18.15	
16070020	Linseed oil	sq.m.	8.20	22.80	
16071000	Spray painting two coats(excluding priming coat)on new concrete/masonry/asbestos cement/plastered surfaces with flat wall paint of approved brand and manufacture to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required.	sq.m.	17.00	43.35	
16072000	Spray painting one coat (excluding priming coat)on previously painted concrete/masonry/Asbestos cement				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	plastered surface with flat wall paint of approved brand and manufacture to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required :--	sq.m.	11.30	27.25	
16073000	Extra over item Nos.16071000 and 16072000 for ever subsequent coat of painting	sq.m.	9.50	24.20	
16074010	Painting two coats(excluding priming coat on new concrete masonry/plaster surfaces with readymixed paint brushing for use on floors to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required with:--				
16074010	White paint	sq.m.	17.60	45.25	
16074020	Paint other than white	sq.m.	17.60	46.90	
16075000	Painting one coat (excluding priming coat)on previously painted concrete/masonry/plastered surface with readymixed paint/brushing for use on floors to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required with.				
16075010	White paint	sq.m.	12.10	29.10	
16075020	Paint other than white	sq.m.	12.10	30.10	
16076000	Extra over items 16074000 and 16075000 for every subsequent coat of paint.				
16076010	White paint	sq.m.	10.30	26.95	
16076020	Paint other than white	sq.m.	10.30	28.00	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16077000	Painting two coats (excluding priming coat)on new concrete / masonry/plastered surfaces with enamel paint of approved brand and manufacture for use on floors to give an even shade,including cleaning of all dirt,dust and other foreign matter and sand papering as required	sq.m.	17.60	46.90	
16078000	Painting one coat (excluding priming coat)on previously painted concrete/masonry/plastered surface with enamel paint of approved brand and manufacture for use on floors to give an even shade including cleaning of all dirt,dust and other foreign matter and sand papering as required	sq.m.	12.10	30.10	
16079000	Extra over items 16077000 and 16078000 for every subsequent coat of paint	Sq.m	10.30	28.00	
16080000	Applying wax polish on new concrete /masonry floors with wax polish of approved brand and manufacture to give an even surface including cleaning the surface of all dirt,dust and other foreign matter	sq.m.	13.35	16.25	
16081000	Applying wax polish on previously polished concrete/masonry floors with wax polish of approved brand and manufacture to give an even surface including cleaning the surface of all dirt,dust and other foreign matter	sq.m.	13.35	15.40	
16082000	Coal tarring one coat on previously painted concrete/masonry/asbestos cement/plastered surfaces using 0.12 litres of coal tar per sqm to give an even shade including cleaning of all dirt,dust and other foreign matter.				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
		sq.m.	5.40	20.00	
16083000	MISCELLANEOUS Writing letters or figures on any surface with black japan paint (stops,comas,hyphens and the like not to be measured and paid separately)				
16083010	Block letters/figures	per letter per cm. height	0.90	1.00	
16083020	Roman(letters/figures)	per letter per cm. height	0.90	1.00	
16083030	Italic(letters/figures)	per letter per cm. height	0.90	1.00	
16083040	Indian(letters/figures)	per letter per cm. height	0.95	1.05	
16084000	Painting index hands normal size or arrows(up to 40 cm long) on any surface with Black Japan	per figure	39.00	41.50	
16085000	Extra over item No 16083000 for using following paints instead of black Japan.				
16085010	white readymixed paint (a) Block (letters/figures) (b) Roman (letters/figures) (c) Italic (letters/figures) (d) Indian =letters	per letter per cm. height		0.02	
16085020	Extra over item No.16083000 for using following paints instead of black japan. Readymixed paint(other than white) (a)Block (Letters/Figures.)				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(b)Roman (Letters/Figures.) (c)Italic(Letters/Figures.) (d)Indian(Letters/Figures.)	per letter/ per cm. height		0.02	
16085030	White synthetic enamel paint (a)Block (letters/figures) (b)Roman (letters/figures) (c)Italic (letters/figures) (d)Indian (Letters/Figures)	per letter per cm. height		0.02	
16085040	Synthetic enamel paint(other than white) (a)Block (letters/figures) (b)Roman (letters/figures) (c)Italic(letters/figures) (d)Indian(letters/figures)	per letter per cm. height		0.02	
16086000	Extra over item No.16084000 for using following paint instead of black japan. (a)Block (letters/figures) (b)Roman (letters/figures) (c)Italic (letters/figures) (d)Indian (letters/figures)				
16086010	White readymixed paint	Per figure		0.60	
16086020	Readymixed paint (other than white)	Per figure		0.60	
16086030	White synthetic enamel paint	Per figure		0.75	
16086040	Synthetic enamel paint other than white.	Per figure		0.75	
16087000	Re - lettering with paints of approved brand and manufacture				
16087010	Black Japan paint white	per letter per cm. Height	0.50	0.55	
16087020	With readymixed paint white	per letter per cm. Height	0.50	0.55	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16087030	Readymixed paint (other than white)	per letter per cm. Height	0.50	0.55	
16087040	With synthetic enamel paint(white)	per letter per cm. Height	0.50	0.55	
16087050	With Synthetic Enamel paint other than white	per letter per cm. Height	0.55	0.55	
16088000	Obscuring glass with one coat of paint to imitate ground glass	sq.m.	11.90	23.15	
16089000	Sealing surfaces previously treated with tar, wood preservative etc.with one coat of knotting to prevent bleeding through paint	sq.m.	4.70	9.05	
16090000	Coating external surfaces of soil pipes including fittings (which have been dipped in a bituminous composition)with one coat of knotting in preparation of painting.	Metre	7.60	18.90	
16091000	Painting lines,dashes,arrows, letters etc.on roads,air fields and like in two coats with road marking paint,brushing,including cleaning the surface of all dirt,dust and other foreign matter	sq.m.	18.75	47.80	
16092000	Painting lines,dashes,arrows, letters etc on raods,air fields and the like in one coat with road marking paint,brushing including cleaning the surface of all dirt,dust and other foreign matter	sq.m.	12.10	29.80	
16093000	Painting (two coats)with aluminium paint of approved brand and manufacture on new work to give an				

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	even shade	sq.m.	16.20	34.95	
16094000	Painting (one coat)with aluminium paint of approved brand and manufacture on old work to give an even shade	sq.m.	11.10	22.05	
16095000	Painting (three coats) with black anticorresive bitumastic paint of approved brand and manufacture on new work to give an even shade.	sq.m.	24.80	44.20	
16096000	Painting (one coat)with black anticorrosive bitumastic paint of approved brand and manufacture on old work to give an even shade	sq.m.	11.30	18.70	
16097000	Painting (two coats)with black anticorrosive bitumastic paint of approved brand and manufacture on old work to give an even shade	sq.m.	16.35	28.55	
16098000	Painting (one coat)picture or curtain rail with superior quality paint of approved brand and manufacture of approved shade to give an even shade.				
16098010	With white enamel paint	metre.	1.50	3.00	
16098020	With paint other than white.	Metre	1.50	3.10	
16099000	Painting fire places and irongrating with paint of approved brand and manufacture				
16099010	With white enamel paint	Per fire place	57.10	152.55	
16099020	With enamel paint (other than white)	Per fire place	57.10	158.30	
16100000	Oiling (one coat) on picture or curtain rail with raw linseed oil	Metre	0.90	1.70	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16101000000	Applying one coat of Acrylic primer (Spectrum or equivalent of Superior quality) on new concrete/masonry/plastered surfaces after and including preparing the surface by thoroughly brushing the surface free from mortar droppings and other foreign matters, sand papering the surface smooth complete.	sqm.	8.75	23.50	
16102000000	Applying one coat of Acrylic Washable emulsion Spectrum quartz king or equivalent finish for interior painting with brushes plain smooth finish composed of acrylic polymere in emulsion inorganic/special pigment siliceous aggregate anti fungicides anti-rusting & foaming in two coat i/c necessary putty to give smooth even surface, sand papered smooth complete.	sqm.	18.15	74.90	
16103000000	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete.	sqm.	19.15	31.80	
16104000000	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete.	sqm	17.25	54.00	

PAINTING AND POLISHING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
16105000000	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for interior grade on undecorated concrete/stone/plastered wall surfaces to give an even shade including t thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying of putty a required for metling the surface	sqm.	18.00	45.00	
16106000000	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler.	sqm.	52.20	114.80	

CHAPTER XVII

**PLASTERING, POINTING, WHITE
WASHING, COLOUR WASHING,
DISTEMPERING AND OTHER FINISHES**

CHAPTER XVII
PLASTERING, POINTING, WHITE WASHING , COLOUR
WASHING, DISTEMPERING AND OTHER FINISHES

Notes :-

- 1 The through rates include the carriage of all materials for 100 meters on head load and one kilometer by mechanical transport.
- 2 The labour rates include the sundry items like sand papers, scrappers, soap and soda etc. as also the water charges.
- 3 The labour rates also include the labor required for thoroughly mixing the mortar and all sorts of scaffolding and ladders, etc.
- 4 The paints used shall be specified in HPPWD Specification 1993 of Grade – I or as declared by the Engineer. In-Chief, HPPWD.

CHAPTER XVII

PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING, DISTEMPERING & OTHER FINISHES

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
PLASTERING AND POINTING					
17001000	15mm lime plaster 1:1:1(lime :1 surkhi :1 sand)in single coat on fair side of brick/concrete/stone walls for interior plastering upto floor two level including arrises,internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sqm.	47.75	86.85	
17002000	15mm lime plaster 1:1:1(lime:1 surkhi:1 sand) in single coat on the rough side of stone/brick wall for interior plastering upto floor two level i/c arrises internal rounded angles,chamfers and/or rounded augles not exceeding 80mm in girth and finished even and smooth.	sqm.	49.00	89.80	
17003000	20mm lime plaster in two coats,backing coat 10mm thick with 1:1:1(1 lime:1 surkhi:1 sand)mortar and finishing coat 10mm thick with 1:2(1 lime:2 sand)mortar on fair side of brick/stone masonry/concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sqm.	78.80	131.30	
17004000	25mm Lime Plaster in two coats backing coat 15mm thick with 1:1:1(lime:1 sand:1 surkhi)mortar and finishing coat 10mm thick with 1:2(1 lime:2 sand)mortar on the rough side of stone/brick masonry for interior				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	plastering upto floor two level including arrises internal rounded angle, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sqm.	96.30	162.55	
17005000	25mm lime plaster in two coats backing coat 15mm thick with 1:1:1(1 lime:1 surkhi:1 sand)mortar and finishing coat 10 mm thick with 1:2(1 lime:2 sand)mortar on fair side of brick/stone masonry wall for interior plastering upto floor two level including arrises internal rounded angles chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sqm.	95.00	159.60	
17006000	30mm Lime plaster in two coats backing coat 20mm thick with 1:1:1 (lime:1 surkhi:1 sand)mortar and finishing coat 10mm thick with 1:2(1 lime:2 sand) mortar on the rough side of stone masonry walls for interior plastering upto floor two level including arrises, internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sqm.	111.85	191.15	
17007000	35mm lime plaster in three coats base coat 15mm thick and second coat 10mm thick with 1:1:1(1 Lime:1 Surkhi:1 Sand)mortar and finishing coat of 10mm thick with 1:2(1 lime 2 sand) mortar on the rough side of stone masonry wall for including arrises,internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth & finished even &				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	smooth.	Sqm.	143.55	235.90	
17008000	15mm lime plaster 1:1:2(1 lime:1 Surkhi:2 Sand) in single coat on fair side of brick/concrete/stone wall for interior plastering upto floor two level including arrises internal rounded angles,chamfers and/or rounded angles,not exceeding 80mm in girth and finished even and smooth.	Sqm.	47.65	80.15	
17009000	15mm lime plaster 1:1:2(1 lime:1 surkhi:2 sand) in single coat on the rough side of stone/brick wall for interior plastering upto floor two level including arrises,internal rounded angles chamfers and/or rounded angles finished even and smooth.	Sqm.	48.90	82.80	
17010000	20mm Lime plaster in two coats,backing coat 10mm thick with 1:1:2(1 lime:1 surkhi:2 sand)mortar and finishing coat 10mm thick 1:2(1 lime:2 sand) mortar on fair side of brick/stone masonry/concrete walls for interior plastering upto floor two level including arrises internal rounded angles not exceeding 80mm in girth and finished even and smooth.	Sqm.	78.70	126.65	
17011000	25mm lime plaster in two coats backing coat 15mm thick with 1:1:2(1 Lime:1 Surkhi:2 sand)mortar and finishing coat 10mm thick with 1:2(1 Lime:2 sand) mortar on the rough side of brick/stone masonry for interior plastering upto floor two level including arrises,internal rounded angles not exceeding 80mm in				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	girth and finished even and smooth.	Sqm.	96.20	155.55	
17012000	25mm Lime Plaster in two coats backing coat 15mm thick with 1:1:2(1 lime:1 Surkhi:2 sand)mortar and finishing coat 10mm thick with 1:2(1 Lime:2 sand)mortar on fair side of stone/brick massonry wall for interior plastering upto floor two level including arrises, internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	94.90	152.90	
17013000	30mm lime plaster in two coats backing coat 20mm thick with 1:1:2(1 lime: 1 surkhi:2 sand) mortar and finishing coat 10mm thick with 1:2(1 lime:2 sand)mortar on the rough side of stone massonry wall for interior plastering up to floor two level including arrises,internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	111.70	181.95	
17014000	35mm lime plaster in three coats,base coat 15mm thick and second coat 10mm thick with 1:1:2(1 lime:1 surkhi:2 sand) mortar and finishing coat 10mm thick with 1:2 (1 lime:2 sand)mortar on the rough side of stone masonry walls, concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	143.40	224.45	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17015000	15mm lime surkhi plaster 1:2(1 lime putty:2 surkhi) in single coat on fair side of brick/concret/ stone wall for interior plastering upto floor two level including arrises,internal rounded angles, chamfers and / or rounded angles, not exceeding 80mm in girth and finished even and smooth.	Sq.M	47.70	85.95	
17016000	15mm lime surkhi plaster 1:2 (1 lime:2 surkhi) in single coat on the rough side of stone/brick wall for interior plastering upto floor to level i/c arrises internal rounded angles,chamfers and /or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	49.00	90.55	
17017000	20mm Lime Plaster in two coats,backing coat 10mm thick with 1:2(1 lime,2 surkhi)mortar and finishing coat 10mm thick with 1:2 (1 lime :2 sand)mortar on fair side of brick/stone masonry/concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	78.80	131.80	
17018000	25mm lime plaster in two coats,backing coats 15mm thick with 1:2(1 lime:2 surkhi)mortar and finishing coat10mm thick with 1:2(1 lime:2 sand)mortar on the rough side of brick/stone mansony for interior plastering upto floor two				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	96.30	163.30	
17019000	25mm lime plaster in two coats,backing coat 15mm thick with 1:2 (1 lime:2 surkhi)mortar and finishing coat 10mm thick with 1:2(1 lime:2 sand) mortar on fair side of stone/brick masonry/walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	86.40	151.75	
17020000	30mm lime plaster in two coats,backing coat 20mm thick with 1:2 (1 lime:2 surkhi) mortar and finishing coat 10mm.thick 1:2(1lime:2sand)mortar on the rough side massonry wall for interior plastering upto floor two level including arrises,internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	111.85	192.20	
17021000	35mm Lime Plaster in three coats,base coat 15mm thick and second coat 10mm thick with 1:2(1 lime:2 surkhi)mortar and finishing coat 10mm.thick 1:2(1lime:2sand)mortar on the rough side of stone masonry wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	girth and finished even and smooth.	Sq.M	143.60	237.15	
17022000	15mm lime surkhi plaster 1:3(1 lime:3 surkhi)in single coat on fair side of brick/concrete/stone wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers,and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	47.65	81.40	
17023000	15mm lime surkhi plaster 1:3(1 lime :3 surkhi)in single coat on the rough side of stone/brick wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and for rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	48.90	84.10	
17024000	20mm Lime plaster in two coats,backing coat 10mm thick with 1:3 (1 lime:3 surkhi)mortar and finishing coat 10mm thick with 1:2(1 Lime: 2 sand) mortar on fair side of brick/stone masonry/concrete wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	78.75	127.55	
17025000	25mm lime plaster in two coats backing coat 15mm thick with 1:3(1 lime:3 surkhi)mortar and finishing coat 10mm thick with 1:2 (1 lime:2 sand) mortar on the rough side of brick/stone masonry wall for interior				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	plastering up to floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	96.20	156.85	
17026000	25mm lime plaster in two coats,backing coat 15mm thick with 1:3(1 lime::3 surkhi)mortar and finishing coat 10mm thick with 1:2(1 lime:2 sand)mortar on fair side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	94.90	154.15	
17027000	30mm lime plaster in two coats,backing coat 20mm thick with 1:3(1 Lime:3 Surkhi)mortar and finishing coat 10mm thick with 1:2 (1 lime:2 sand)mortar on the rough side of stone masnory wall for interior plastering upto floor two level including arrises,internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	111.75	183.65	
17028000	35mm lime plaster in three coats,base coat 15mm thick and second coat 10 mm thick with 1:3(1 lime :3 surkhi)mortar and finishing coat 10mm thick with 1:2 (1 lime:2 sand)mortar on the rough side of stone masonry wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	143.45	226.60	
17029000	15mm lime plaster 1:2 (1 lime:2 sand)in single coat on fair side of brick/concrete/stone wall for interior plastering upto floor two level i/c arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	47.70	85.95	
17030000	15mm lime plaster1:2 (1 lime:2 sand)in single coat on rough side of stone/brick wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles,not exceeding 80mm in girth and finished even and smooth.	Sq.M	49.00	88.85	
17031000	20mm lime plaster 1:2 (1 lime :2 sand)in two coats,backing coat 10mm and finishing coat 10mm thick on fair side of brick/stone mansony concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	78.80	130.65	
17032000	25mm lime plaster 1:2 (1 lime:2 sand) in two coats,backing coat 15mm and finishing coat 10mm thick on the rough side of brick/stone masonry for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	girth and finished even and smooth.	Sq.M	96.25	161.60	
17033000	25mm lime plaster 1:2 (1 lime:2 sand) in two coats,backing coat 15mm thick and finishing coat 10mm.thick on fair side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	95.00	158.70	
17034000	30mm lime plaster 1.2(1 lime:2 sand)in two coats,backing coat 20mm thick and finishing coat 10mm thick on the rough side of stone masonry wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers,and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	111.85	189.90	
17035000	35mm lime plaster1:2(1 lime: 2 sand)in three coats,base coat 15mm second coat 10mm and finishing coat 10mm thick on the rough side of stone masonry wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and /or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	143.55	234.35	
17036000	15mm lime plaster 1:3(1 lime:3 sand)in single coat on fair side of brick/concrete/stone walls for interior plastering upto floor two level including				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	arrises,internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	47.65	79.55	
17037000	15mm lime plaster 1:3(1 lime:3 sand) in single coat on the rough side of stone/brick wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	48.90	82.15	
17038000	20mm lime plaster1:3(1 lime:3 sand)in two coats,backing coat 10mm thick and finishing coat 10mm.thick on the fair side of brick/stone masonry/concrete wall for interior plastering upto floor two level including arrises,internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	78.65	121.95	
17039000	25mm lime plaster1:3 (1 lime :3 sand) in two coats,backing coat 15mm thick and finishing coat 10mm thick on the rough side of brick/stone masnory for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	96.10	150.65	
17040000	25mm lime plaster 1:3 (1 lime:3 sand) in two coats,backing coat 15mm and finishing coat 10mm thick on fair side of brick/stone masonry wall for interior plastering upto floor two				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	level including arrises,internal rounded angles,chamfers and/or rounded angles,not exceeding 80mm in girth and finished even and smooth.	Sq.M	94.85	148.00	
17041000	30mm lime plaster 1:3(1 lime:3 sand)in two coats backing coat 20mm and finishing coat 10mm thick on the rough side of stone masonry wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	111.65	176.80	
17042000	35mm lime plaster 1:3 (1 lime:3 sand)in three coats base coat 15mm second coat 10mm thick and finishing coat 10mm thick on the rough side of stone masnory wall for interior plastering upto floor two level i/c arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	Sq.M	143.30	219.10	
17043000	Extra over items 1700100 to 1704200 for finishing with a coat of 3mm thick lime punning or Nerru with lime mortar 1.1 (1 lime:1 sand)	Sq.M	14.10	23.30	
	<u>CEMENT PLASTER</u>				
17044000	6mm Cement plaster to ceiling				
17044010	(a) In Cement mortar 1:3(1 Cement:3 Sand)	Sq.M	29.25	54.65	
17044020	(b) In Cement Mortar 1:4(1 Cement:4 Sand)	Sq.M	29.20	49.15	
17045000	6mm Cement plaster 1:3(1				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	Cement:3 Sand)finished with a floating coat of neat cement and thick coat of limewash on top of wall when dry for bearing of R.C.C Slabs and beams.	Sq.M	44.25	83.50	
17046000	10mm cement plaster in single coat on fair side of brick/concrete walls for internal plastering upto floor two level including arrises, internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17046010	i)Cement mortar(1:3) (1 Cement :3 Sand)	Sq.M	34.85	75.00	
17046020	(ii) Cement mortar 1:4 (1 cement:4 sand)	Sq.M	34.70	66.35	
17046030	(iii) Cement mortar 1:5 (1 cement:5 sand)	sq.M	34.65	61.70	
17046040	(iv) Cement Mortar 1:6 (1Cement:6 sand).	Sq.M	34.55	57.70	
17046050	(v) Cement Mortar 1:7 (1 Cement:7 Sand).	Sq.M	34.55	55.70	
17046060	(vi) Cement mortar 1:8 (1 cement:8 sand).	Sq.M	34.50	53.70	
17047000	15mm Cement plaster in single coat on the rough side of brick/ concrete/stone walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17047010	(i) Cement Mortar 1:3 (1Cement:3 Sand).	Sq.M	44.40	105.00	
17047020	(ii) Cement Mortar 1:4 (1Cement:4 Sand).	Sq.M	44.20	91.45	
17047030	(iii) Cement Mortar 1:5 (1Cement:5 Sand).	Sq.M	44.10	84.90	
17047040	(iv) Cement Mortar 1:6 (1Cement:6 Sand).	Sq.M	44.00	78.90	
17047050	(v) Cement Mortar 1:7 (1Cement:7 Sand).	Sq.M	43.95	75.85	
17047060	(vi) Cement mortar 1.8 (1cement:8 sand).	Sq.M	43.90	72.85	
17048000	15mm cement plaster in single coat on fair side of brick/concrete/stone walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17048010	(i) Cement mortar(1:3) (1 cement:3 sand).	sq.m	43.30	101.45	
17048020	(ii) Cement mortar 1:4 (1 cement:4 sand).	sq.m	43.10	88.90	
17048030	(iii) Cement Mortar 1:5 (1 cement: 5 sand).	sq.m	43.00	82.15	
17048040	(iv) Cement Mortar 1:6 (1 cement:6 sand).	sq.m	42.95	73.40	
17048050	(v) Cement Mortar 1:7 (1 cement:7 sand).	sq.m	42.90	73.50	
17048060	(vi) Cement mortar 1:8 (1cement:8 sand).	sq.m	42.85	70.60	
17049000	20mm Cement plaster in single coat on rough side of brick/stone masonry for				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17049010	(i) Cement Mortar 1:3 (1 Cement :3 sand).	sq.m	51.90	130.85	
17049020	(ii) Cement Mortar 1:4 (1 Cement :4 sand).	sq.m	51.65	113.85	
17049030	(iii) Cement Mortar 1:5 (1 Cement :5 sand).	sq.m	51.55	104.70	
17049040	(iv) Cement Mortar 1:6 (1 Cement :6 sand).	sq.m	51.40	96.85	
17049050	(v) Cement mortar 1:7 (1 Cement :7 sand).	sq.m	51.35	92.90	
17049060	(vi) Cement Mortar 1:8 (1 Cement :8 sand).	sq.m	51.30	89.00	
17050000	15mm cement plaster in two coats backing coat 10mm and finishing coat 5mm thick on fair side of brick masonry/stone masonry/concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17050010	(i) cement mortar (1:3) (1 cement:3 sand)	Sq.M	66.20	124.35	
17050020	(ii) cement mortar 1:4 (1 Cement:4 Sand).	sq.m	66.00	111.80	
17050030	(iii) Cement mortar 1:5				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(1 cement:5 sand).	sq.m	65.90	105.05	
17050040	(iv) Cement Mortar 1:6 (1 cement:6 sand).	sq.m	65.80	99.25	
17050050	(v) Cement Mortar 1:7 (1 Cement:7 Sand).	sq.m	65.75	96.35	
17050060	(vi) Cement mortar 1:8 (1 cement :8 sand)	sq.m	65.70	93.50	
17051000	20mm Cement plaster in two coats,backing coat 15mm and finishing coat 5mm thick on rough side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17051010	(i) Cement Mortar 1:3 (1 Cement:3 Sand).	sq.m	74.80	156.20	
17051020	(ii) Cement Mortar1:4 (1cement:4 sand).	sq.m	74.55	138.65	
17051030	(iii) Cement Mortar 1:5 (1cement:5 sand)	sq.m	74.40	129.20	
17051040	(iv) Cement mortar 1:6 (1cement:6sand)	sq.m	74.30	121.10	
17051050	(v) Cement Mortar 1:7 (1cement:7 sand)	sq.m	74.20	117.05	
17051060	(vi) Cement Mortar 1:8 (1cement:8 sand)	sq.m	74.15	113.00	
17052000	20mm cement plaster in two caots backing coat 10mm and finishing coat 10mm thick on fair side of brick/stone				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17052010	(i) Cement mortar (1:3) (1 cement:3 sand)	sq.m	72.90	151.85	
17052020	(ii) Cement Mortar 1:4 (1 Cement:4 sand).	sq.m	72.65	134.80	
17052030	(iii) Cement Mortar 1:5 (1 Cement:5 sand).	sq.m	72.50	125.65	
17052040	(v) Cement Mortar 1:6 (1 Cement:6 Sand)	sq.m	72.40	117.80	
17052050	(iv) Cement Mortar 1:7 (1 Cement:7 Sand)	sq.m	72.35	113.90	
17052060	(vi) Cement Mortar 1:8 (1 cement:8 sand).	sq.m	72.25	109.95	
17053000	25mm Cement plaster in three coats,base coat 10mm and second coat 10mm thick and finishing coat 5mm thick with fat lime and sand mixed in equal proportions on the rough side of stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and /or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17053010	(i) Cement Mortar 1:5 (1 cement:5 sand)	sq.m	106.45	178.20	
17053020	(ii) Cement Mortar 1:6 (1 cement:6 sand)	sq.m	106.35	170.00	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17054000	Extra over item No.1705302 for using Cement Mortar 1:4(1 Cement:4 Sand)in place of Cement Mortar 1:6(1 Cement:6 Sand) in base coat and second coat.	sq.m		17.55	
17055000	Extra over item No.1705302 for using cement mortar 1:3(1 Cement:3 Sand)in place of cement mortar 1:6(1cement:6sand) in base coat and second coat.	sq.m		35.10	
17056000	Extra over item No.1704600 to 1705200 for finishing with a floating coat of neat cement slurry.	sq.m	13.40	26.00	
17057000	Extra over item No.1704600 to 1705500 for providing and mixing water proofing materials in cement mortar in proportion recommended by the manufacturers. CEMENT LIME PLASTER	Per kg cement		0.95	
17058000	10mm cement plaster in single coat on fair side of brick/concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17058010	(i) Cement lime Mortar 1:1:6 (1 cement:1 lime:6 sand)	sq.m	38.05	68.85	
17058020	(ii) Cement lime mortar1:2:9 (1 cement:2 lime:9 sand)	sq.m	38.00	66.10	
17059000	15mm Cement lime plaster in single coat,on the rough side of brick/stone walls for interior plastering upto floor				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17059010	(i) Cement Lime Mortar 1:1:6 (1 Cement:1 lime:6 Sand)	sq.m	49.10	95.55	
17059020	(ii) Cement lime Mortar 1:2:9 (1 Cement:2 Lime:9 Sand)	sq.m	49.00	91.45	
17060000	15mm Cement lime plaster in single coat on fair side of stone/brick/concrete walls for interior plasering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17060010	(i)Cement lime mortar1:1:6 (cement:1 lime:6 sand).	sq.m	48.25	95.50	
17060020	(ii) Cement Mortar 1:2:9 (1 cement:2 lime:9 sand)	sq.m	47.75	88.45	
17061000	20mm cement lime plaster on rough side of stone/brick masonary walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.				
17061010	(i) Cement lime mortar 1:1:6 (1 cement:1 lime:6 sand).	sq.m	57.95	118.45	
17061020	(ii) Cement lime Mortar 1:2:9 (1 Cement:2 Lime:9 sand)	sq.m	57.85	113.10	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17062000	15mm cement lime plaster in two coats,backing coat 10mm and finishing coat 5mm thick with cement lime mortar 1:1:6(1 cement 1 lime:6 sand)on fair side of stone/brick masonry/concrete wall for interior plastering upto floor two level including arriss,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	70.70	115.25	
17063000	20mm Cement lime plaster in two costs,backing coat 15mm and finishig coat,5mm thick with cement lime mortar 1:1:6(1 Cement:1 Lime:6 Sand)on rough side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	81.00	143.40	
17064000	20mm cement lime plaster in two coats,backing coat 15mm and finishing coat 5mm thick with cement lime mortar 1:1:6(cement:1 lime:6 sand) on fiar side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	78.90	139.40	
17065000	25mm cement lime plaster in three coats,base coat 10mm and second coat 10mm thick with				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	cement lime mortar 1:1:6(1 cement:1 Lime:6 Sand)and finishing coat 5mm thick with fat lime and sand mixed in equal proportions on the rough side of stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	112.75	192.10	
17066000	15mm Cement lime plaster in two coats,backing coat 10mm thick with cement lime mortar 1:1:6(1 cement:1 lime:6 Sand)and finishing coat 5mm thick with cement lime plaster 1:2:9(1 cement:2 lime:9 sand)on fair side of stone/brick/masonry concrete walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	70.85	115.20	
17067000	20mm cement lime plaster in two coats,backing coat 15mm thick with cement lime mortar 1:1:6(cement:1 lime:6 sand) and finishing coat 5mm thick with cement lime mortar 1:2:9 (1cement:2lime:9sand)on rough side of stone/brick masonry wall for interior plastering upto floor two level/including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	80.80	140.85	
17068000	20mm cement lime plaster in				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	two coats,backing coat 15mm thick with cement lime mortar 1:1:6(1 cement:1 lime:6 sand)and finishing coat5mm.thick with cement lime mortar 1:2:9(1 cement:2 lime:9 sand)on fair side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angle not exceeding 80mm in girth and finished even and smooth.	sq.m	78.70	136.85	
17069000	25mm cement lime plaster in three coats,base coat 10mm thick with cement lime mortar 1:1:6(1 cement:1 lime:6 sand)second coat 10mm thick with cement lime mortar 1:2:9(1 cement:2 lime:9 sand)and finishing coat 5mm thick with fat lime and sand mixed in equal proportion on the rough side of stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and /or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	112.40	187.30	
17070000	25mm mud plastering in single coat with chopped straw @33kg/Cu.M of earth on bricks/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	16.80	24.40	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17071000	20mm mud plaster with chopped straw @ 33kg/Cu.M.of earth in two coats backing coat 15mm thick and finishing coat 5mm thick on brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	16.80	23.05	
17072000	Extra over item No 170700 and 1707100 for 3mm thick mud leeping over mud plaster.	sq.m	3.90	5.05	
17073000	15mm thick water proofing mud plaster in two coats,backing coat with 12mm thick mud mortar consisting of 70kg.of chopped straw and 68kg.of bitumen cut back per cubic metre and finishing coat with 3mm.thick govri leeping mixed with 100kgs. of bitumen cut back per cum. of soil on brick/stone masonry wall for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	21.25	87.60	
17074000	Plastering to metal lathing in two coats,backing coat of 15mm thick cement mortar1:4 (cement:4 sand)and finishing coat with 5mm thick in cement mortar 1:5(1 cement:5 sand) in walling for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.	sq.m	72.65	133.45	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17075000	Extra for plastering on ceilings and soffits of stairs upto floor two level instead of plastering on walls.	sq.m	7.00	7.00	
17076000	Extra for plastering on flewing soffits upto floor two level instead of plastering on walls.	sq.m	16.65	16.65	
17077000	Extra for interior plastering above floor two level for every additional storey helgth.				
17077010	(i)single coat plaster:-	sq.m	7.50	7.50	
17077020	ii) Two coat plaster :-	sq.m	9.40	9.40	
17077030	ii)Three coat plaster :-	sq.m	11.25	11.25	
17077040	Lime Punning :-	sqm/storey	4.90	4.90	
17077050	Floating coat of neat cement.	Sqm	4.90	4.90	
17078000	Rough side exterior cement plaster on wall upto a height of 10meters above ground level with a mixture of sand and gravel or crushed stone graded from 6mm to 12mm nominal size dashed over and including fresh plaster in two coats,backing coat 10mm cement plaster 1:3(1 cement:3 sand)and finishing coat 10mm cement plaster with cement mortar 1:3(1 cement:3 sand)mixed with 10% finely grounded hyderated lime by volume of cement including arriss,chamfers and/or rounded angles not exceeding 80mm in girth.				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17078010	(a) Natural cement finish using ordinary cement.	sq.m	107.40	202.65	
17078020	(b) Dark coloured finish using ordinary cement and pigment.	sq.m	108.30	265.65	
17078030	(C) Light colour finishing using white cement and pigment.	sq.m	108.50	279.80	
17079000	Pebble desh exterior plaster on walls upto a height of 10 metres above ground level with a mixtures of washed pebble or crushed stone graded from 6mm to 12mm neminal size dashed over and including fresh cement plaster in two coats backing coat(10mm cement)plaster 1:3(1 cement:3 sand) and finishing coat 10mm cement plaster 1:3(1 cement:3 sand) mixed with 10% finely ground hydrated lime by volume of cement including arrises, chamfers and/or rounded angles not exceeding 80mm in girth.	sq.m	99.35	194.60	
17080000	EXtra for plastering on circular work not exceeding 6 metres in radius.				
17080010	(1) In one coat.	sq.m	6.70	6.70	
17080020	(ii) In two coats.	sq.m	9.95	9.95	
17081000	Extra for plastering done on mouldings,cornices or archtraves including neat finish to line and level.				
17081010	(a) In one coat.	sq.m	100.10	100.10	
17081020	(b) In two coats.	sq.m	166.35	166.35	
17082000	Extra for exterior plastering				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	over walls upto a height of 10 metres above ground level in place of interior plastering upto floor two level.				
17082010	(i) Single coat plaster.	sq.m	0.90	0.90	
17082020	(ii) Two coat plaster:-	sq.m		1.15	
17082030	(ii) Three coat plaster:-	sq.m		1.35	
17082040	Lime punning	sq.m		0.90	
17082050	Floating coat of Neat Cement	sq.m		0.90	
17083000	Extra for exterior plastering over walls beyond height of 10 metres above ground level for every additional height of 5 metres or part thereof.				
17083010	(i) Single coat plaster.	sq.m	0.45	0.45	
17083020	(ii) Two coats plaster.	sq.m	0.85	0.85	
17083030	(iii) Three coats plaster.	sq.m	1.30	1.30	
17083040	Lime punning.	Sqm	1.30	1.30	
17083050	Floating coat of neat cement.	Sqm	1.30	1.30	
17084000	15mm thick plain cement mortar bands in cement mortar 1:4(1 Cement:4 Sand)upto 300 mm in width.				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17084010	(a) Flush band.	sq.m	1.00	1.50	
17084020	(b) Sunk Band.	sq.m	1.10	1.60	
17084030	(c) Raised band.	sq.m	1.30	1.75	
17085000	15mm thick plain cement mortar band in cement mortar 1:4(1 cement:4 sand) above 300mm width.				
17085010	(a) Flush Band.	sq.m	71.45	118.60	
17085020	(b) Sunk band.	sq.m	81.10	128.25	
17085030	(c) Raised band.	sq.m	97.15	144.35	
17086000	20mm thick plain cement mortar bands in cement mortar 1:4(1 cement:4 sand)upto 300mm in width.				
		Per Mtr long & per cm wide			
17086010	(a) Flush band.		1.15	1.80	
		Per Mtr long & per cm wide			
17086020	(b) Sunk band.		1.25	1.85	
		Per Mtr long & per cm wide			
17086030	(c) Raised band(moulded cement mortar).		1.40	2.00	
		Per Mtr long & per cm wide			
17087000	20mm thick plain cement mortar bands in cement mortar 1:4(1 cement:4 sand)above 300mm in width.				
17087010	(a) Flush band.	sq.m	75.90	138.05	
17087020	(b) Sunk band.	sq.m	85.55	147.70	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17087030	(c) Raised Band.	sq.m	101.60	163.80	
17088000	15mm thick moulded cement mortar band in cement mortar 1:4(1 cement:4 Sand).	Per Mtr long & per cm wide	2.25	2.70	
17089000	20mm thick moulded cement mortar band in cement mortar 1:4 (1 cement:4 sand).	Per Mtr long & per cm wide	2.95	3.60	
17090000	20mm thick moulded cement mortar band in two coats 15mm thick with backing coat cement mortar 1:5 (1 cement:5 sand)finising coat 5mm thick with cement mortar 1:4 (1 Cement:4 sand).	Per Mtr long & per cm wide	3.20	3.75	
POINTING ON BRICK WORK					
17091000	Pointing on brick work with lime mortar 1:2(1 lime putty:2 sand)				
17091010	(a) Flush pointing.	sq.m	38.05	45.00	
17091020	(i) Ruled pointing.	sq.m	39.65	46.60	
17091030	(c) Cut or weather struck pointing.	sq.m	39.65	46.60	
17091040	(d) Raised and cut pointing.	sq.m	66.70	77.35	
17092000	Pointing on brick work with lime mortar 1:3(1 lime putty:3 sand)				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17092010	(a) Flush pointing.	sq.m	38.05	43.85	
17092020	(b) Ruled pointing.	sq.m	39.65	45.45	
17092030	(c) Cut or weaher struck pointing.	sq.m	39.65	45.45	
17092040	(d) Raised and cut pointing.	sq.m	66.70	75.60	
17093000	Pointing or brick with lime surkhi mortar 1:2(1 lime putty:2 surkhi)				
17093010	(a) Flush pointing.	sq.m	38.05	45.30	
17093020	(b) Ruled pointing.	sq.m	39.65	46.90	
17093030	(c)Cut or weather struck pointing.	sq.m	39.65	46.90	
17094000	Pointing,on brick work with lime surkhi mortar 1:3(1 lime putty:3 surkhi)				
17094010	(a) Flush Pointing.	sq.m	38.05	44.20	
17094020	b) Ruled pointing.	sq.m	39.65	45.80	
17094030	(c) out or weather struck pointing.	sq.m	39.65	45.80	
17095000	Poingting on brick work with cement mortar 1:3 (1 cement:3 sand).				
17095010	(a) Flush pointing.	sq.m	37.30	47.90	
17095020	(b) Ruled pointing	sq.m	39.70	49.50	
17095030	(c) Cut or weather struck pointing.	sq.m	39.70	49.50	
17095040	(d) Raised and cut pointing.	sq.m	65.55	81.80	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17096000	Pointing on brick work with cement mortar 1:4(1 cement:4 sand).				
17096010	a) Flush pointing.	sq.m	37.25	45.60	
17096020	(b) Ruled pointing	sq.m	39.65	47.20	
17096030	(c)Cut or weather struck pointing.	sq.m	39.65	47.20	
17096040	(d) Raised and cut pointing.	sq.m	65.50	78.30	
17097000	Pointing on brick work with cement lime mortar 1:1:3(1 cement:1 lime putty:3 sand)with an admixture of red oxide to match the shade of brick works.				
17097010	(a) Flush pointing	Sq.m	38.15	49.85	
17097020	(b) Ruled pointing.	sq.m	39.75	51.50	
17097030	(c) Cut,or weather struck pointing	sq.m	39.75	51.50	
POINTING ON BRICK FLOORING					
17098000	Pointing on brick flooring with cement mortar 1:2 (1 cement:2 sand).				
17098010	(a) Flush Pointing.	sq.m	29.80	38.70	
17098020	(b) Ruled pointing.	sq.m	31.75	40.60	
17099000	Pointing on flat brick flooring with cement mortar 1:3 (1 cement:3 sand)				
17099010	(a) Flush pointing.	sq.m	29.80	36.85	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17099020	(b) Ruled pointing.	sq.m	31.70	38.75	
17100000	Pointing on flat brick flooring with cement mortar 1:4(1 cement :4 sand).				
17100010	(a) Flush pointing.	sq.m	29.75	35.30	
17100020	(b) Ruled pointing.	sq.m	31.70	37.25	
17101000	Pointing on flat brick flooring with cement mortar 1:5 (1 cement:5 sand).				
17101010	(a) Flush pointing	sq.m	29.75	34.50	
17101020	(b) Ruled pointing.	sq.m	31.70	36.45	
17102000	Pointing on flat brick flooring with cement mortar 1:6(1 cement:6 sand).				
17102010	(a) Flush pointing.	sq.m	29.75	33.80	
17102020	(b) Ruled Pointing.	Sq.m.	31.65	35.70	
17103000	Pointing on brick on edge flooring with cement mortar1:2(1 cement:2 sand).				
17103010	(a) Flush pointing.	sq.m	36.75	50.10	
17103020	(b) Ruled pointing.	sq.m	38.35	51.70	
17104000	Pointing on brick on edge flooring with cement mortar 1:3(1 cement:3sand)				
17104010	(a) Flush pointing.	sq.m	36.70	47.30	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17104020	(b) Ruled pointing.	sq.m	38.35	48.90	
17105000	Pointing on brick on edge flooring with cement mortar 1:4 (1 Cement:4 sand)				
17105010	(a) Flush Pointing.	sq.m	36.70	45.00	
17105020	(b) Ruled pointing.	sq.m	38.30	46.20	
17106000	Pointing on brick on edge flooring with cement mortar 1:5(1 Cement:5 sand)				
17106010	(a) Flush pointing	sq.m	36.65	43.80	
17106020	(b) Ruled pointing.	sq.m	38.30	45.40	
17107000	Pointing on brick on edge flooring with cement mortar 1:6(1 cement:6 sand)				
17107010	(a) Flush pointing.	sq.m	36.65	42.75	
17107020	(b) Ruled pointing POINTING ON TILE BRICK WORK	sqm.	38.25	44.35	
17108000	Pointing on tile brick work with lime mortar 1:2(1 lime putty: sand)				
17108010	(a) Flush pointing	sq.m	46.80	57.45	
17108020	(b) Ruled pointing	sq.m	50.00	60.65	
17108030	(c)Cut or weather struck pointing.	sq.m	62.20	72.85	
17109000	Pointing on tile brick work with lime mortar 1:3(1 lime putty:3 sand).				
17109010	(a) Flush pointing	sq.m	46.75	55.65	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17109020	(b) Ruled pointing.	sq.m	50.00	58.90	
17109030	(c) Cut or weather struck pointing	sq.m	62.20	71.10	
17110000	Pointing on tile brick work with lime mortar 1:2(1 lime putty:2 surkhi)				
17110010	(a) Flush pointing.	sq.m	46.80	57.90	
17110020	(b) Ruled pointing	sq.m	50.00	61.10	
17110030	(c) Cut or weather struck pointing	sq.m	62.00	73.35	
17111000	Pointing on tile brick work with lime mortar 1:3(1 lime putty:3 surkhi)				
17111010	(a) Flush pointing	sq.m	46.75	56.20	
17111020	(b) Ruled pointing.	sq.m	50.00	59.40	
17111030	(c) Cut or weather struck pointing	sq.m	62.20	71.60	
17112000	Pointing on tile brick work with cement mortar 1:3(1 cement:3 sand)				
17112010	(a) Flush pointing	sq.m	45.65	61.85	
17112020	(b) Ruled pointing	sq.m	48.85	65.05	
17112030	(c) Cut or weather struck pointing	sq.m	61.05	77.30	
17113000	Pointing on tile brick work with cement mortar 1:4(1 cement:4 sand)				
17113010	(a) Flush pointing.	sq.m	45.60	58.35	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17113020	(b) Ruled pointing.	sq.m	48.80	61.55	
17113030	(c) Cut or weather struck pointing	sq.m	61.00	73.80	
17114000	Pointing on tile brick work with cement lime mortar 1:1:3(1 cement:1 lime putty:3 sand)with an admixture or red oxide to match the shade of tile brick work.				
17114010	(a) Flush pointing	sq.m	46.90	65.20	
17114020	(b) Ruled pointing.	sq.m	50.10	68.40	
17114030	(c) Cut or weather struck pointing. POINTING ON STONE WORK	sq.m	62.35	80.60	
17115000	Pointing on coursed or Ashlar stone masonry or concrete block walling with lime mortar 1:2(1 lime putty :2 surkhi)				
17115010	(a) Flush pointing.	sq.m	35.80	41.40	
17115020	(b) Ruled pointing.	sq.m	37.10	42.65	
17115030	(c) Raised and cut pointing	sq.m	61.25	70.40	
17116000	Pointing on coursed or Ashlar stone masonry or concrete block walling with lime mortar 1:3(1 lime : 3 surkhi)				
17116010	(a) Flush pointing	sq .m	35.80	40.25	
17116020	(b) Ruled Pointing	sq.m	37.10	41.55	
17116030	(c) Raised and cut pointing.	sq.m	61.20	68.55	
17117000	Pointing on coursed or Ashlar stone masonry or concrete block walling with cement				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	mortar 1:3(1 Cement : 3 Sand)				
17117010	(a) Flush pointing.	sq.m	35.25	43.35	
17117020	(b) Ruled pointing.	sq.m	36.55	44.65	
17117030	(c) Raised and cut.	sq.m	60.30	73.65	
17118000	Pointing on coursed or Ashlar stone masonry concrete block walling with cement mortar 1:4 (1 cement:4 Sand)				
17118010	(a) Flush pointing	sq.m	35.20	41.60	
17118020	(b) Ruled pointing	sq.m	36.50	42.90	
17118030	(c) Raised and cut.	sq.m	66.20	171.70	
17119000	Pointing on Random Rubble un-coursed stone masonry with lime mortar 1:2(1 lime putty:2 surkhi)				
17119010	(a) Flush pointing.	sq.m	43.85	49.40	
17119020	(b) Ruled Pointing.	sq.m	45.80	51.35	
17119030	(c) Ruled and Cut	sq.m	78.60	87.40	
17120000	Pointing on Random rubble uncoursed stone masonry with lime mortar 1:3(1 lime putty:3 surkhi)				
17120010	(a) Flush pointing	sq.m	43.85	48.55	
17120020	(b) Ruled pointing	sq.m	45.75	50.20	
17120030	(c) Raised and Cut pointing	sq.m	78.55	85.90	
17121000	Pointing on Random rubble un-coursed stone masonry with cement mortar 1:3(1 Cement:3 Sand).				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17121010	(a) Flush pointing	sq.m	43.30	51.40	
17121020	(b) Ruled pointing.	sq.m	45.20	53.30	
17121030	(c) Raised and cut pointing.	sq.m	77.65	91.00	
17122000	pointing on Random rubble uncoursed stone masonry with cement mortar 1:4 (1 Cement : 4 Sand)				
17122010	(a) Flush pointing	sq.m	43.30	49.65	
17122020	(b) Raised pointing	sq.m	45.20	51.60	
17122030	(C) raised and cut pointing	sq.m	77.60	88.15	
17123000	Pointing on square rubble coursed or un-coursed stone masonry with lime mortar 1:2(1 lime putty:2 Surkhi)				
17123010	(a) Flush pointing.	cu.m	40.95	46.50	
17123020	(b) Ruled pointing.	sq.m	42.60	48.15	
17123030	(c) Raised and cut pointing.	sq.m	72.15	81.35	
17124000	Pointing on square rubble coursed or uncoursed stone masonry with lime mortar 1:3 (1 lime putty : 3 Surkhi)				
17124010	(a) Flush pointing.	sq.m	40.95	45.40	
17124020	(b) Ruled pointing.	sq.m	42.55	47.25	
17124030	(c) Raised and cut pointing.	sq.m	72.15	79.90	
17125000	Pointing on square rubble,coursed or un-coursed stone masonry with cement mortar 1:3(1 cement:3 Sand)				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17125010	(a) Flush pointing.	sq.m	40.40	48.50	
17125020	(b) Ruled pointing.	sq.m	42.00	50.10	
17125030	(c) Raised and cut pointing.	sq.m	71.20	84.60	
17126000	Pointing on square rubble,coursed or un-coursed stone masonry with cement mortar 1:4 (1 Cement : 4 Sand)				
17126010	(a) Flush pointing.	sq.m	40.35	46.75	
17126020	(b) Ruled pointing.	sq.m	41.95	48.35	
17126030	(c) Raised and cut pointing.	sq.m	71.15	81.70	
17127000	Extra over item 179100 to 1712600 for pointing on walls on the outside at height more than 10 metres from ground level for every additional height of 5 metres or part thereof.				
		sq.m	0.50	0.50	
WHITE WASHING, COLOUR WASHING & DISTEMPRING ETC.					
17128000	Removing white wash or colour wash by steel wire brushing and/or scrapping sand papering and preparing the wall surface smooth including necessary repairs to scratches complete.	sq.m	3.05	3.05	
17129000	Extra over item No.1712800 for scraping on ceiling and / or sloping roofs.	sq.m	0.30	0.30	
17130000	Extra over item no. 1712800 for washing the wall surface spoiled by smoke soot with clear water before sand papering the surface smooth and including necessary repairs to scratches complete.	sq.m	1.40	1.40	
17131000	Extra over item No.1713000 for				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	washing the surface with clean water on ceiling and or sloping roofs.	sq.m	0.15	0.15	
17132000	Washing and cleaning of soil and grease spots from decorated wall surfaces with soap, soda and water.	sq.m	1.40	1.40	
17133000	Extra over item No.1713200 for cleaning the old plasered ceiling and/or sloping roofs with soap.soda and water.	Sq.m	1.35	1.35	
17134000	Washing and cleaning of soil and grease spots on decorated wall surface by suitable chemical.	sq.m	1.40	1.40	
17135000	White washing and cleaning stone masonry walls with nitric acid.	sq.m	1.65	1.65	
17136000	Applying a coat of clear colle on plastered wall surfaces including thoroughly brushing the surface to remove all dirt, dust, mortar drops and other foreign matters.	sq.m	2.85	2.85	
17137000	Extra over item No. 1713600 for applying a coat of clear colle on plastered ceiling and on sloping roofs. WHITE WASHING WITH LIME	sq.m	0.30	0.30	
17138000	White washing with lime on undecorated wall surfaces two coats to give an even shade including thoroughly brooming the surface to remove all dirt dust mortar dirt and other foreign matter.	sq.m	3.20	4.75	
17139000	White washing with lime on decorated wall surfaces(one coat) to give an even shade including thoroughly brooming the surface to remove all dirt,dust,mortar drops and				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	loose scale of lime wash and other foreign matter.	sq.m	1.60	2.45	
17140000	Extra over item No.1713800 and 1713900 for every sub sequent coat of white washing with lime on wall surfaces.	sqm.	1.60	2.45	
17141000	Extra over item No. 1713800 for white washing with lime on ceiling and/or sloping roofs.	sq.m	0.55	0.55	
17142000	Extra over item No. 1713900 for white washing with lime on ceiling and/or sloping roofs.	sq.m	0.45	0.45	
17143000	Extra over item No.1714000 for every sub sequent coat of white washing with lime ceiling and/or sloping roofs. COLOUR WASHING	sqm.	0.45	0.45	
17144000	Colour washing on un-decorated wall surface(two coats) over and including a primary coat of white washing to give an even shade after thoroughly brooming the surface to remove all dirt,dust,mortar drops and other foreign matter.	sq.m	6.20	8.85	
17145000	Colour washing with lime on decorated wall surfaces(one coat) to give an even shade including throughly brooming the surface to remove all dirt,dust,mortar drops and loose scale of lime wash and other foreign matters.	sq.m	2.40	3.20	
17146000	Extra over item No. 1714400 and 1714500 for every sub sequent coat of colour wash with lime on wall surfaces cost per square metre.	sqm.	2.40	3.20	
17147000	Extra over item No.1714400 for colour washing on ceiling and/or sloping roofs.	sq.m	0.85	0.85	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17148000	Extra over item No. 1714500 for colour washing on ceiling and/or sloping roofs.	sq.m	0.85	0.85	
17149000	Extra over item No 17.146 for every sub sequent coat of colour wash on ceiling and / or sloping roofs.	sq.m	0.45	0.45	
	<u>WHITE WASHING WITH CHALK WHITING</u>				
17150000	White washing with chalk whiting on undecorated cloth or hassian ceiling(two coats) to give and even shade including thoroughly brooming the surface to remove all dirt,dust,mortar drops and other foreign matter.	sq.m	3.25	5.95	
17151000	White washing with chalk whiting on decorated cloth or Hassian ceiling(one coat) to give an even shade including thoroughly brooming the surface to remove all dirt,dust,mortar drops and losse scales of chalk wash and other foreign matter.	sq.m	1.60	2.95	
17152000	Extra over item no. 17150000 and 17151000 for every subsequent coat of white washing with chalk whiting	sq.m	1.60	2.95	
	HIRAMACHI COLOUR WASH				
17153000	Hirmachi colour wash on undecorated wall surfaces (two coats) to give an even shade including thoroughly brooming the surfaces to remove all dirt,dust,mortar drops and other foreign matter.	sq.m	2.70	5.10	
17154000	Hirmachi colour wash on decorated wall surfaces(one coat) to give an even shade including thoroughly brooming				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	the surfaces to remove all dirt,dust,mortar drops and loose scales of hirmachi wash and other foreign matter.	sq.m	2.00	3.30	
17155000	Extra over item No. 17153000 and 17154000 for every sub sequent coat of Hirmachi colour wash.	sq.m	2.00	3.30	
17156000	Cement washing with port-land cement slurry on undecorated wall surfaces (one coat) to give a smooth bodied opaque finish including thoroughly brooming the surface to remove all dirt,dust mortar drops and other foreign matter.	sq.m	3.30	3.95	
17157000	Extra over item no.17156000 for every subsequent coat of cement washing with port-land cement slurry.	sq.m	3.30	3.95	
17158000	Cement washing with port land cement slurry mixed with boiled linseed oil in iron work(one coat) to give an even surface including thoroughly cleaning the surface to remove all dirt,dust mortar drops and other foreign matter.	sq.m	27.75	38.65	
17159000	Extra over item No. 17158000 for every sub sequent coat of cement washing with port land cement slurry mixed with linseed oil.	sq.m	27.75	38.65	
	DISTEMPERING				
17160000	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	sq.m	3.50	4.10	

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
17161000	Extra over item no.17160000 for removing dry or oil bound distempering on ceiling and or sloping roofs etc.	sq.m	0.40	0.40	
17162000	Applying one coat of distemper primer of approved brand and manufacture on wall surfaces after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	sq.m	8.75	17.45	
17163000	Extra over item No. 17162000 for applying one coat of distemper primer over ceiling and/or sloping roofs.	sq.m	1.20	1.20	
17164000	Distempering with dry distemper of approved brand and manufacture(Two coats)and of required shade on undecorated wall surface to given an even shade over and including primer coat of whitening after thoroughly brushing the surface free from mortar droppings and other foreign matter including preparing the surface even and sand papered smooth.	sq.m	19.65	25.50	
17165000	Distempering with dry distemper of approved brand and manufacture(one coat) and of required shade on decorated wall surface to give an even shade after thoroughly brushing the surface clean of all grease,dirt,loose pieces of scales including preparing the surface even and sand papered smooth.	sq.m	5.15	7.95	
17166000	Extra over item No. 17164000				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	and 17165000 for every subsequent coat of distempering with dry distemper of approved brand and manufacture.	sq.m	3.50	5.55	
17167000	Extra over item No.17164000 for distempering with dry distemper on ceiling and/or sloped roofs.	sq.m	2.35	2.35	
17168000	Extra over item No 17165000 for distempering with dry distemper on ceiling and/or sloped roofs.	sq.m	0.75	0.75	
17169000	Extra over item no.17166000for every subsequent coat of distempering with dry distemper on ceiling and or sloping roofs.	sq.m	0.40	0.40	
17170000	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth. Priming coat with distemper primer	sq.m	25.40	42.80	
17171000	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture of and of required shade of undecorated wall surfaces to give an even shade over and including a priming coat with Alkali-resistance primer of				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth.	sq.m	25.40	41.95	
17172000	Distempering(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade,on decorated wall surfaces to give an even shade,after thoroughly brushing the surface clean of all grease,dirt,loose pieces of scales and also including preparing the surface even and sand papered smooth.	sq.m	10.00	15.60	
17173000	Extra over item No 17170000,17171000 and 17172000 for every sub sequent coat of distempering with oil bound washable distemper of approved brand and manufacture.	sq.m	6.95	12.50	
17174000	Extra over item Nos 17170000 and 17171000 for distempering with oil bound distemper on ceiling and/or sloping roofs.	sq.m	2.65	2.65	
17175000	Extra over item no. 17172000 for distempering with oil bound distemper on ceiling and/or sloping roofs. CEMENT PAINTING	sq.m	1.25	1.25	
17176000	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surfaces(two coats)to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	materials.	sq.m	18.30	32.65	
17177000	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on decorated wall surfaces (one coat) to give an even shade after thoroughly brushing the surface to remove all dirt,loose or softened paint.	sq.m	10.50	19.20	
17178000	Extra over item No. 17176000 and 17177000 for every subsequent coat of water proofing cement paint of approved brand and manufacture.	sq.m	7.35	13.25	
17179000	Extra over item No.17176000 for finishing with cement paint on ceiling and/or sloping roofs.	sq.m	2.35	2.35	
17180000	Extra over item no. 17177000 for finishing with cement paint on ceiling and/or slopping roofs. PLASTIC EMULSION PAINTING	sq.m	1.45	1.45	
17181000	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for making the surface.	sq.m	18.00	46.35	
17182000	Wall painting(one coat)with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease,loose pieces of scale				

**PLASTERING, POINTING, WHITE WASHING, COLOUR WASHING,
DISTEMPERING & OTHER FINISHES**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	and sand papered smooth.	sq.m	12.25	29.55	
17183000	Extra over item No 17181000 and 17182000 for every subsequent coat of wall painting with plastic emulsion paint of approved brand and manufacture.	sq.m	8.45	20.25	
17184000	Extra over item No 17181000 for painting with plastic emulsion paint of approved brand and manufacture on ceiling and/or sloping roofs.	sq.m	2.15	2.15	
17185000	Extra over item No 17182000 for painting with plastic emulsion paint of approved brand and manufacture on ceiling and/or sloping roofs.	sq.m	1.80	1.80	

CHAPTER XVIII
REPAIRS TO BUILDINGS

CHAPTER XVIII

REPAIRS TO BUILDINGS

Notes :-

- 1 The include carriage of materials up to a distance of 100 meters on head-load and one kilometer by mechanical transport.
- 2 The labour rates include water charges. Scaffolding and Sundries, etc. required for the particular item.
- 3 The through rates include all wastage involved.

CHAPTER XVIII**REPAIR TO BUILDING**

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
18010000	Providing and fixing small pieces (not exceeding 150 Cu Cm.) for making good where hinges etc. have been removed from frames on joinery etc.				
18010100	First class Indian Teak Wood.	Per piece	12.75	30.45	
18010200	Second Class Indian Teakwood.	Per piece	12.75	27.20	
18010300	First Class Deodar Wood.	Per piece	8.90	19.10	
18010400	Second class deodar wood.	Per piece	8.90	18.95	
18010500	First Class Kail wood.	Per piece	8.90	18.95	
18010600	Sal wood.	Per piece	12.75	16.50	
18020000	Renewing bars stiles, or rails straight for joinery upto 50mm thick including metres, haunchings mortices etc. and removing old defective pieces.				
18020100	Fist class Indian Teak wood.	Metre	66.60	573.65	
18020200	Second Class Indian Teak wood.	Metre	66.60	474.30	
18020300	First Class Deodar wood.	Metre	45.15	321.80	
18020400	Second Class deodar wood.	Metre	45.15	317.55	
18020500	First Class Kail Wood.	Metre	45.15	317.55	
18020600	Second class Kail Wood.	Metre	45.15	252.50	
18030000	Rewedging or cramping joinery of any description with new wedge in glue or white lead and repinning including rehangng or refixing of shutters hinges or pivots excluding removing or dismentling.				

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
18030100	Not exceeding one Sq. M. per leaf.				
18030101	Soft Wood.	Per Leaf	174.80	174.80	
18030102	Not exceeding one Square Metre per leaf. Hard wood	Per Leaf	260.65	260.65	
18030201	Exceeding one Square Metre but not exceeding two Square Metre per leaf. Soft Wood.	Per Leaf	260.65	260.65	
18030202	Exceeding one Square Metre but not exceeding two Square metre. Hard wood	Per Leaf	343.85	343.85	
18030301	Exceeding two Square Metre. Soft wood.	Per Leaf	343.85	343.85	
18030302	Exceeding two Square Metre. Hard Wood.	Per Leaf	478.55	478.55	
18040000	Making repairs to joinery at angles with and including 300 mm x 25 mm x 3 mm length of M. S. flat forged to shape and let into wood, counter sunk, drilled and screwed.				
18040100	Soft Wood.	Each angle	35.80	58.15	
18040200	Hard wood.	Each angle	52.95	75.35	
18050000	Renewing wooden battens on roofs including making good the holes in walls including removal of rubbish to the dumping ground with in a lead of 20 metres.				
18050100	Fist Class Deodar Wood.	Cu.M.	1751.85	63465.95	
18050200	First Class Kail Wood battens.	Cu.M.	1751.85	62521.70	

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
18050300	Sal wood Battens	Cu.M.	1751.85	19625.10	
18050400	First Clas Locally Available Wood (Chil-wood).	Cu.M.	1751.85	26909.45	
18060000	Renewing wooden beams not exceeding 4.00 metres in length in roof including making good the holes in walls and including removal of rubbish to the dumping ground with in a lead of 20 metres.				
18060100	First Class Deodar Wood Beams.	Cu.M.	2825.45	66937.20	
18060200	First class Kail wood beams	Cu.M.	2825.45	65992.95	
18060300	Sal Wood Beams.	Cu.M.	2825.45	23096.35	
18060400	First Class Locally Available (Chil wood)	Cu.M.	2825.45	30380.65	
18070000	Renewing wooden beams above 4.00 Metres and upto 5 Metres length in roof including making good the holes in walls and including removing of rubbish to the dumping ground within a lead of 20 metres.				
18070100	First Class Deodar Wood Beams.	Cu.M.	3127.00	67762.90	
18070200	First Class Kail Wood Beams.	Cu.M.	3127.00	66817.40	
18070300	Sal Wood Beams.	Cu.M.	3127.00	23864.65	
18070400	First Class Locally Available (Chil Wood)	Cu.M.	3127.00	31158.55	
18080000	Providing and fixing M S fan clamps of standard shape and size including cutting and making good.	Each fan clamp	127.80	171.35	
18090000	Removal of old broken glass panes (any thickness,size,quality or description) from wood frames				

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	glazed with putty or fixed with beads.	Sq.M.	50.55	58.05	
18100000	Removal of old broken glass panes (any thickness,size, quality or description) from metal frames including punching or drilling out old glazing pins.	Sq.M.	71.00	75.00	
18110000	Removal of serviceable glass of any description except polished plate from old wood or metal frames etc. (any thickness or size) racking out old putty etc. including risk and making good breakages in taking out and handling including stacking within a lead of 20 Meters.	Sq.M.	76.75	80.80	
18120000	Supplying and fixing new wooden beads (fillets) wherever necessary.				
18120100	First class Teak wood Beads.	Metre	10.60	23.65	
18120200	First class Deodar wood Beads.	Metre	10.60	17.90	
18120300	First Class Kail Wood Beads.	Metre	10.60	17.80	
18130000	Renewal of old putty of glass panes.	Metre	8.85	12.25	
18140000	Refixing old glass panes beded in putty and fixed with glazing pins.	Sq.M.	110.80	155.20	
18150000	Refixing old glass panes with old wooden beads (excluding cost of beads)	Sq.M.	110.80	117.70	
18160000	Renewing tiles in patches in areas not exceeding 5 Sq.M. including removing old tiles,preparing surfaces and laying or setting new or old tiles complete (including cost of mortar and pigment but excluding cost of tiles)				

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
18160100	Glazed tiles	Sq.M.	368.60	431.90	
18160200	Terrazo Tiles.	Sq.M.	278.05	341.35	
18170000	Cutting out cracks of roof terrace to V-section, cleaning out welting, grouting with Cement and Sand Slurry 1:3 (1 Cement : 3 Sand.)	Metre	25.60	27.65	
18180000	Cutting out cracks of roof terrace to V-sections, cleaning out and filling solidity with a hot bitumen and clean dry sand (1:1) by Weight.	Metre	27.05	50.75	
18190000	Dubbing out an old irregular walls average 10mm thick with				
18190100	Lime Mortar 1:2 (1 Lime : 2 Sand).	Sq.M.	43.50	89.85	
18190200	Lime sand surkhi mortar 1:1:1 (1:Lime putty : 1:Sand : 1:Surkhi).	Sq.M.	43.55	91.00	
18190300	Cement mortar 1:3 (1 Cement : 3 Sand)	Sq.M.	38.55	109.00	
18190400	Cement mortar 1:4 (1 Cement : 4 Sand).	Sq.M.	38.30	93.85	
18190500	Cement mortar 1:5 (1 Cement : 5 Sand).	Sq.M.	38.20	85.65	
18190600	Cement mortar 1:6 (1 Cement : 6 Sand)	Sq.M.	38.10	78.65	
18190700	Cement lime mortar 1:1:6 (1 Cement : 1 Lime : 6 Sand).	Sq.M.	43.65	97.65	
18190800	Cement lime mortar 1:2:9 (1 Cement : 2 Lime : 9 Sand)	Sq.M.	43.45	83.70	
18200000	Add to or deduct from item No. 18.19 above for every 5mm thickness increase or decrease				

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	in 10mm with :-				
18200100	Lime mortar 1:2 (1 lime : 2 sand).	Sq.M.	12.00	24.75	
18200200	Lime sand surkhi 1:1:1 (1 Cement : 1 Sand : 1 Surkhi).	Sq.M.	12.00	25.05	
18200300	Cement Mortar 1:3 (1 Cement : 3 Sand).	Sq.M.	10.60	30.00	
18200400	Cement Mortar 1:4 (1 Cement : 4 Sand).	Sq.M.	10.55	25.80	
18200500	Cement mortar 1:5 (1 Cement : 5 Sand).	Sq.M.	10.55	23.60	
18200600	Cement mortar 1:6 (1 Cement : 6 Sand).	Sq.M.	10.50	21.65	
18200700	Cement Lime Mortar 1:1:6 (1 Cement : 1 Lime : 6 Sand)	Sq.M.	12.00	26.90	
18200800	Cement lime mortar 1:2:9 (1 Cement : 2 Lime : 9 Sand)	Sq.M.	12.00	23.05	
18210000	Repairs to plaster in patches of 2.50 Sq.M. and under and 10 to 15mm thick including cutting the patch in proper shape and replastering the surface of the wall including disposal of rubbish to the dumping ground within a Lead of 20 metres with:-				
18210100	Lime Mortar 1 : 2 (1 Lime : 2 Sand)	Sq.M.	77.45	117.30	
18210200	Lime Sand Surkhi 1:1:1 (1 Lime : 1 Sand : 1 Surkhi)	Sq.M.	77.45	118.25	
18210300	Cement Mortar 1:3 (1 Cement : 3 Sand)	Sq.M.	73.15	133.75	
18210400	Cement Mortar 1:4				

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(1 Cement : 4 Sand)	Sq.M.	72.95	120.70	
18210500	Cement Mortar 1:5 (1 Cement : 5 Sand)	Sq.M.	72.85	113.65	
18210600	Cement Mortar 1:6 (1 Cement : 6 Sand)	Sq.M.	72.75	107.65	
18210700	Cement Lime Mortar 1:1:6 (1 Cement : 1 Lime : 6 Sand).	Sq.M.	77.55	124.00	
18210800	Cement Lime Mortar 1:2:9 (1 Cement : 2 Lime : 9 Sand).	Sq.M.	77.35	112.00	
18220000	Fixing door chowkhats including cutting masonry for embedding hold fasts in Cement mortar 1:4 (1 Cement : 4 Sand) and making good the damage to walls Complete.	Each Door frame	236.55	313.70	
18230000	Fixing clerestory window chowkhats including cutting masonry for embedding hold fasts in Cement mortar 1:4 (1 Cement : 4 Sand) and making good the damage to walls complete.	Each window	113.75	138.55	
18240000	Providing and fixing wooden cleats to door, windows with iron fitting including removal of old cleats where necessary including painting, polishing or bees waxing to match the existing shade.				
18240100	First Class Indian Teak Wood.	Each Cleats	6.15	53.70	
18240200	First class Deodar Wood.	Each Cleats	6.15	34.70	
18240300	First class kail wood.	Each Cleats	6.15	34.35	
18250000	Providing and fixing cotton string 6mm diametre (machine made) i/c supplying and fixing wherever necessary the plate				

REPAIR TO BUILDING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	and ring of iron as per existing fitting of the clerestory windows.	Each window	9.85	65.90	
18260000	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary:-				
18260101	Plain glass. 2mm thick.	Sq.M.	71.20	317.55	
18260102	Plain Glass. 2.5 mm thick.	Sq.M.	71.20	431.40	
18260103	Plain Glass. 3mm thick.	Sq.M.	71.20	456.70	
18260104	Plain Glass: 4mm thick.	Sq.M.	71.20	494.65	
18260201	Frosted Glass. 2mm thick.	Sq.M.	71.20	418.75	
18260202	Frosted Glass 3mm thick.	Sq.M.	71.20	494.65	
18260203	Frosted Glass. 4mm thick.	Sq.M.	71.20	557.90	
18260300	Pin Head Glass. 3mm thick.	Sq.M.	71.20	317.55	
18260400	Wired Glass. 6mm thick.	Sq.M.	71.20	842.50	
18260500	Plate Glass 5.5mm thick.	Sq.M.	71.20	609.85	

CHAPTER XIX
MISCELLANEOUS WORK

CHAPTER XIX

MISCELLANEOUS WORK

Notes :-

- 1 The labour and through rates include carriage of all the materials involved for a particular item for a distance of 100 meters on head and 1 kilometer by mechanical transport.
- 2 The labour rates include the cost on account of water, scaffolding and sundries.
- 3 The through rates include wastage of all the materials involved for any item.

CHAPTER XIX

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
19010000	Making plinth protection with flag stone flooring 40 mm thick over a bed of 15cm with rammed earth and cement pointing 1 : 3 (1 Cement : 3 Sand) in proper shape as per instructions of the Engineer Incharge.	sq.m	66.90	219.75	
19020000	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1 Cement : 3 Sand : 6 Graded stone aggregated 20mm nominal size)	sq.m	21.65	131.60	
19030000	Providing plinth protection with bricks in cement mortar 1:6 (1 Cement : 6 Sand) including pointing top surface of bricks with cement 1:2 (1 Cement:2 Sand).				
19030100	with moduler bricks size 19cmx9cmx9cm	sq.m	92.70	354.65	
19030200	With bricks size 22.9cmx11.2cmx7.00 cm.	sq.m	80.40	260.05	
19040000	Providing under layer for plinth protection of 75mm thick (unconsolidated) bed dry brick/stone aggregated 40mm nominal size with rammed and consolidated and grouted with fine sand including preparation of ground.	sq.m	44.95	91.20	
19050000	Brick edging (Brick laid on edge) to plinth protection with bricks including grouting with cement mortar 1:4 (1 Cement : 4 Sand).				
19050100	With modular bricks size				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	19 cmx9 cmx9 cm.	Metre	5.95	34.95	
19050200	With bricks size 22.9cmx11.2cmx7cm.	Metre	5.90	30.85	
19060000	Constructing Course rubble hammer dressed 'U' shape open surface drain with side wall. 15x22 cm in cement mortar 1:6 (1 Cement : 6 Sand) and inside plastering with cement plaster 1:3 (1 Cement:3 Sand) including earth work and laying 10 cm cement concrete in 1:5:10 (1 Cement : 5 Sand : 10 graded stone aggregate) of 40 mm nominal size) and 7.5 cm cement concrete 1:2:4 (1 Cement : 2 Sand : 4 Graded stone aggregate of 20 mm nominal size) and finished with a floating coat of neat cement complete as per standard design.	Metre	189.90	478.15	
19070000	Masonry in fire clay refractory bricks laid in fire clay mortar.	Cu.m	519.15	7244.20	
19080000	Providing and fixing aluminium step edging L shape of size 28 mmx12 mmx3 mm (thick) to stair.	Metre	52.20	174.90	
19090000	Providing and fixing aluminium step edging L shape of size 57mmx16mmx3mm (thick) to stairs.	Metre	52.20	174.90	
19100000	Extra over item No. 19070000 and 19080000 for cutting R C C steps for fixing of aluminium step edging and making good to match the surroundings.	Metre	79.60	85.35	
19110000	Providing and fixing 25mm dia galvanised M.S. tube (light grade) out let in cement mortar 1:3 (1 Cement : 3 Sand) including cutting and making good the				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	wall.	Metre	172.95	324.00	
19120000	Providing and fixing 40 mm nominal bore galvanised M.S. tube (light grade) Out let in cement mortar 1:3 (1 Cement : 3 Sand).	Metre	174.35	421.85	
19130000	Providing and fixing 1.80 metre long R.C.C. fencing posts with 6mm bar nibs as per approved design (Earth work to be paid for separately).	Per Post	177.95	716.85	
19140000	Providing and fixing 2.00 metre long R.C.C. fencing struts as per approved design (earth work to be paid for separately).	Per Strut	142.10	530.20	
19150000	Providing and fixing turn buckles and straining bolts for bar bed wire fencing.	Per Set	22.35	128.15	
19160000	1.20 metre high fencing (as per approved design) 1.80 metres R.C.C. posts 3 metres centre to centre and R.C.C. struts with 9 horizontal lines and two diagonals of galvanised steel bar bed wire (IS 278-1962 type I) weighing 9.38 kg./100 metres (minimum) strained and fixed to posts by tying to 6mm galvanised steel bar nibs/clips with G.I. binding wire (cost of R.C.C. struts and straining bolts shall be paid for separately).	Metre	11.70	78.80	
19170000	Providing and fixing 300mm minimum girth deodar/kail wood/Sal ballies (for posts and struts for fencing) in required length (earth work and concrete to be paid for separately).	Metre	9.20	274.85	
19180000	1.20 metres high fencing with 1.80 metre deodar/kail/sal ballies posts 300mm girth				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	(minimum) 2.50 metre centre to centre with six horizontal lines and two diagonals of galvanised steel bar bed wire (IS:278-1962 Type-I) weighing 9.38 KG per 100 metre (minimum) strained and fixed to posts with G.I. staples including coal carrying of ballies complete (cost of posts, struts and straining bolts shall be paid for seperately).	Metre	13.70	70.90	
19190000	1.80 metre high fencing with 2.50 metre deodar/kail/Sal ballie posts 300mm girth (minimum) 2.50 metre centre to centre with nine horizontal lines and two diagonals of galvanised steel bar bed wire (IS:278-1962 type-I) weighing 9.38 kg/per 100 metre (minimum) strained and fixed to posts with G.I. staples, including coal tarring of ballies complete) cost of post, struts and straining bolts shall be paid for seperately.	Metre	17.50	96.55	
19200000	2.40 metre high fencing with 3.30 metres ballies posts, 300mm girth (minimum) with 2.50 metre centre to centre with 12 horizontal lines and two diagonals of galvanised steel bar bed wire (IS:278-1962 type-I) weight 9.38 kg. per 100 metre (minimum) strained and fixed to posts with G.I. staples including coal tarring of ballies complete (cost of posts, struts and straining bolts shall be paid for seperately).	Metre	22.45	123.65	
19210000	1.30 metre high concrete rail and pale fencing with 1.80 metre R.C.C. posts, 2.25				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	metres rails and 1.25 metres pales posts 2.50 metres centre to centre embedded in C.C. blocks 450x450x550 mm of mix 1:5:10 (1 Cement : 5 Sand : 10 graded stone aggregate 40mm nominal size) including concrete work and cost for R.C.C. posts, rails and pales (earth work to be paid seperately).	Metre	233.60	946.00	
19220000	Supplying and fixing wovenplains G.I. wire fencing of mesh 50mm to 150mm to any type of standard rails, straining bolts. etc. including provision of binding wire, staples etc.	sq.m	11.85	248.75	
19230000	Supplying straining and fixing plain mild steel galvanized wire to wood, concrete or steel standards and or to straining Boards including securing with galvanized iron type wire galvanized iron and staples or steel pins etc. as directed.				
19230100	2.50 mm dia	100Metre each line of wire	84.05	381.90	
19230200	3.15 mm dia	100Metre each line of wire	86.70	563.25	
19230300	4.00mm dia.	100Metre each line of wire	90.25	803.25	
19240000	Supply and fixing galvanized steel bar-bed wire (IS:278-1962 Type-I) weighing 9.38 kg per 100 metres (minimum) straining and fixing to any type of standard rails, straining bolts including securing with and provision of galvanized mild steel wire, staples or Steel pins etc. as directed (posts and struts of wood concrete, steel etc. and straining bolts shall be paid				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	for separately).	100Metre each line of wire	135.50	744.40	
19250000	Supplying and fixing expended metal to wood or steel members in partitions etc.				
19250100	Weight not exceeding 3 kg.per square metre.	sq.m	35.80	228.85	
19250200	Weight exceeding 3kg and not exceeding 5kg per Sq.M. .	sq.m	40.05	354.20	
19250300	Weight exceeding 5kg. and not exceeding 8kg. per square metre.	sq.m	48.95	423.45	
19260000	Cutting grass, raking in to heaps and removing off the premises (grass to become the property of the contractor)	Sq.m	1.85		
19270000	Providing and fixing 15 cm high Drawer of the cup board with 12mm thick base and side plankes with wooden handles and 20x55 mm rummer fixed with screws and complete including painting and polishing:- Note:- (over all rear of the drawer shall be measured).				
19270100	First class Indian Teak Wood.	Sq.m	1328.30	5459.50	
19270200	Second Class Indian Teak Wood.	Sq.m	1328.30	4674.20	
19270300	First Class Deodar Wood	Sq.m	993.75	3303.80	
19270400	Second Class Deodar Wood.	Sq.m	993.75	3270.05	
19270500	First Class Kail Wood.	Sq.m	993.75	3270.05	
19270600	Second Class Kail Wood.	Sq.m	993.75	2756.10	
19280000	Extra for additional 5cm. depth or part there of for depth of drawer over 15cm. depth provided in the cup board.	% rate per 5cm or part thereof		2.40%	

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	REPAIR OF FURNITURE				
19290000	Upholstering armless sofa chair single seat and back with markin or tapestry cloth cutting to shape, stitching and fixing etc. including properly securing springs in position with twines 'U' hooks and cane strick etc. and fixing padding with coir and cotton latex foam rubber of approved quality in the seat and back complete excluding the cost of materials.	Each	532.95		
19300000	Up-holdtering armless sofa chair double seated and back with markin or tapestry cloth cutting to shape, stitching and fixing etc. including properly securing springs in position with twins 'U' hooks and cane sticks etc. and fixing padding with coir and cotton/latex foam rubber of approved quality in the seat and back all complete excluding the cost of materials.	Each	822.10		
19310000	Upholstering armless sofa chair three seater and back with markin or tapestry cloth cutting to shape stitching and fixing etc. including properly securing springs in position with twines 'U' hooks and cane sticks etc. fixing padding with coir cotton/latex foam rubber of approved quality in the seat and back all complete excluding the cost of materials.	Each	983.45		
19320000	Extra for uphoestering arm both inside and outside with markin or tapestry cloth cutting to shape, stitching and fixing etc. including fixing padding with coir and				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	cotton/latex foam rubber of approved quality inside only, all complete excluding the cost of materials.	Each	85.20		
19330000	Extra for upholstering arms inside only with markin or tapestry cloth cutting to shape stitching and fixing etc. including fixing padding with coir and cotton/latex foam rubber of approved quality, all complete excluding the cost of materials.	Each	42.60		
19340000	Upholstering diwan of size up to 180x90 cm and 30 cm height with seat and back with markin of tapestry cloth cutting etc., including properly securing springs in position with twines 'U' hooks and cane stricks and fixing padding with coir and cotton/latex foam rubber of approved quality in the seat all complete excluding the cost of materials.	Each	1111.20		
19350000	Upholstering Diwan special type upto 180x90 cm. and 30 cm. high with seat having curved front and sides and back with markin or tapestry cloth cutting to shape, stitching and fixing etc. including properly securing springs in position with twines 'U' hooks and cane stricks etc. and fixing padding, with coir and cotton/latex foam rubber of approved quality in seat and back all complete excluding the cost of materials.	Each	1494.55		
19360000	Extra for opening out upholstering of sofa chair (with or without arms) in				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	connection with re-upholstering work.	Each	61.30		
19370000	Extra for opening out upholstering of sofa or Diwan.	Each	88.40		
19380000	Providing and fixing 100 mm dia flue of cement/abestos pipes with necessary specials including fixing in position with clamps complete.	Metre	13.60	92.70	
19390000	Providing and fixing peg reck.75x10x2 cm thick of first class deodar wood with:-				
19390100	Three brass/chromium plated pegs of approved designs.	Peg reck	31.30	423.50	
19390200	Three deodar wood pegs of approved design.	Peg rack	31.30	206.15	
19400000	Providing chases 75mm wide 50mm deep (average size) in walls for conduit pipes and filling the same with cement concrete 1:3:6 (1 Cement : 3 Sand : 6 Graded stone aggregate 20 mm and down gauge) after the conduit pipe is laid (excluding the cost of conduit pipe).	Metre	27.15	34.35	
19410000	Providing dry stone Kharanja drain 45 cm wide complete with 25 cm side stone.	Metre	8.90	120.50	
19420000	Providing stone kharanja drain 45 cm. wide including 25 cm. side stone laid in cement mortar 1:6 (1 Cement : 6 Sand).	Metre	16.75	147.20	
19430000	Providing dry stone kharanja drain 60 cm. wide complete with 25 cm. side stone.	Metre	17.45	146.25	
19440000	Providing stone kharanja drain 60 cm. wide including 25 cm. side stone laid in cement				

MISCELLANEOUS WORK

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	mortar 1:6 (1 Cement : 6 Sand).	Metre	26.65	183.85	
19450000	Recaning of seats and backs of chairs with superior quality cane including removing the old caning complete.	Sq.m	479.70	713.30	

CHAPTER XX
DEMOLITION AND DISMANTLING

CHAPTER XX

DEMOLITION AND DISMANTLING

Notes :-

The rates include the cost of all labour involved and tools and plants used in demolishing and dismantling . The rates also include scaffolding and water charges. The rates account for the charges for separating out and stacking the serviceable materials properly and disposing of un-serviceable materials within 20 meters lead or as stated in the particular item. The rates also include temporary shoring for safety of the portions not required to be pulled down. These also include the rates of provisions required for the safety of the adjoining property and providing temporary enclosures or partitions wherever considered necessary. These rates do not include the cost of blasting and the rates have been worked out primarily on the basis of labor- wages .

CHAPTER XX

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
20010000	Demolition below G.L. upto 1.50Metres depth and disposal of unserviceable materials within 20 metres lead.				
20010100	Lime concrete.	Cum	207.60		
20010200	Un-reinforecd cement concrete upto 15 cm. Thickness.	cum	415.95		
20010300	un-reinforced cement concrete more than 15 cm. Thickness.	cum.	827.20		
20020000	Extra over item No. 20010000 for every additional 1.50 metres depth.				
20020100	Lime concrete.	Cum.	19.15		
20020200	Un-reinforced cement concrete upto 15 cm. Thickness.	cum.	19.15		
20020300	Un-reinforced cement concrete above 15 cm. Thickness.	cum.	19.15		
20030000	Demolition below G.L upto 1.50 metres depth including stacking of serviceable materials and disposal of unserviceable materials within 20 metres lead and including cutting the necessary reinforcement and separating from R.C.C./R.B. work.				
20030100	R.C.C. work.	Cum.	2653.55		
20030200	R.B. work.	Cum.	1685.90		
20040000	Extra over time No. 20030000 for every additional 1.5 metres depth.				
20040100	R.C.C. work.	Cum.	19.15		
20040200	R.B. work.	Cum.	19.15		

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
20050000	Demolition above G.L. upto floor two level including disposal of unserviceable materials within 20 metres lead.				
20050100	Lime Concrete.	Cum	201.15		
20050200	un-reinforced cement concrete more than 15cm. Thickness.	cum.	433.10		
20050300	un-reinforced cement concrete upto 15cm. Thickness.	cum.	866.20		
20060000	Demolition above G.L. upto floor two level including disposal of unserviceable materials within 20 metres lead and including cutting the necessary reinforcement and separating out from R.C.C. /R.B. works:-				
20060100	R.C.C. work.	Cum	2746.95		
20060200	R.B. work.	cum.	1726.75		
20070000	Extra over items 20050000 and 20060000 for every additional storey height above floor two level.	Cum.	54.50		
20080000	Extra for scraping, cleaning and straightening reinforcement salvaged from R.C.C./R.B. work.	Qtl.	140.60		
20090000	Demolition of brick work below G.L. upto 1.5Metres depth including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.				
20090100	In Mud Mortar.	Cum	190.30		
20090200	In Lime Mortar.	cum.	234.25		

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
20090300	In cement mortar	cum	524.85		
20100000	Extra over item No. 20090000 for every additional 1.50 metres depth.				
20100100	In Mud mortar.	cum.	19.15		
20100200	In Lime Mortar.	cum.	19.15		
20100300	In cement mortar	cum	19.15		
20110000	Demolition of brick work above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres. lead.				
20110100	In Mud mortar.	cum.	198.15		
20110200	In Lime Mortar.	cum.	243.85		
20110300	In cement mortar	cum	569.65		
20120000	Extra over item No. 20110000 for every additional storey height above floor two level.				
20120100	In Mud mortar	cum	54.50		
20120200	In Lime Mortar.	cum.	54.50		
20120300	In cement mortar	cum	54.50		
20130000	Extra over item No. 20090000 and 20110000 for removing mortar from and cleaning bricks including removal of rubbish within 20 metres lead.				
20130100	Brick work in mud mortar.	1000 Nos Bricks	383.50		
20130200	Brick work in lime mortar.	1000 Nos Bricks	447.15		
20130300	Brick work in cement mortar	1000 Nos Bricks	564.20		

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
20140000	Demolition of stone masonry below G.L. upto 1.5 metres depth including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.				
20140100	Rubble masonry in lime mortar.	Cum.	234.25		
20140200	Rubble masonry in cement mortar.	Cum	552.70		
20150000	Extra over item No 20140000 for every additional 1.50 meter depth.				
20150100	Rubble masonry in lime mortar.	Cum	19.15		
20150200	Rubble masonry in cement mortar.	cum	19.15		
20160000	Demolition of stone masonry above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.				
20160100	Rubble masonry in lime mortar.	cum	243.85		
20160200	Rubble masonry in cement mortar	cum	569.65		
20160300	Ashlar face stone in lime mortar.	cum	301.65		
20160400	Dressed stone in cement mortar.	Cum	682.85		
20160500	Marble/precast work in lime mortar.	cum.	376.90		
20160600	Marble/precast concrete work in cement mortar.	cum.	852.75		
20170000	Extra over item No. 20160000 for every additional storey height above floor two level.	cum.	54.40		
20180000	Extra over item No. 20140000 and 20160000 for removing				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	mortar from and cleaning stones and concretes articles including removal of rubbish within 20 metres lead.				
20180100	In lime mortar	cum	80.00		
20180200	In cement mortar.	cum	114.05		
20190000	Demolition in terrace upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.				
20190100	Brick tile covering.	Sqm.	23.90		
20190200	Mud phuska:-	cum	196.70		
20200000	Extra over item No. 20190000 for every additional storey height above floor two level.				
20200100	Bricks tile covering.	Sqm.	2.05		
20200200	Mud Phuska.	Cum.	54.50		
20210000	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (wooden/concrete joists to be measured and paid for separately)				
20210100	For thickness of tiles upto 25mm	Sqm.	17.35		
20210200	For thickness of tiles above 25mm and upto 40mm	Sqm.	25.25		
20210300	Stone slab/flagged floors.	sqm	50.25		
20220000	Extra over item No. 20210000 for every additional storey height above floor two level.				
20220100	For thickness of tiles upto				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	25mm.	sqm.	1.00		
20220200	For thickness of tiles above 25mm and upto 40mm.	sqm.	2.05		
20220300	Stone slab/flagged stone floors.	sqm.	4.05		
20230000	Dismantling of wooden floors upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (joists to be measured and paid for separately).	Sqm.	25.80		
20240000	Extra over item No. 20230000 for every additional storey height above floor two level.	sqm.	1.85		
20250000	Dismantling roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials within 20 metres lead.				
20250100	G.I. Sheet roofing	Sqm.	35.10		
20250200	A.C. Sheet roofing	Sqm.	40.30		
20250300	Slate roofing	Sqm.	64.55		
20260000	Dismantling roofing including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.				
20260100	Jack arch roof in lime mortar including joists etc.	Sqm.	47.80		
20260200	Jack arch roof in cement mortar including joists etc.	Sqm.	115.45		
20270000	Demolition of thatch roofing including mats, bamboo, jaffari, capping to ridges, hips, etc. including stacking of serviceable materials and				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	disposal of un-serviceable materials within 20 metres lead.	Sqm.	15.55		
20280000	Dismantling cement asbestos celotax/hard board in ceiling or partition wall including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (Frame work such as joists, beams to be measured and paid for separately)	Sqm.	17.25		
20290000	Dismantling textile covering in ceiling/walling including frames and cover fillets, stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.	Sqm.	15.60		
20300000	Demolition of dry brick pitching in floors, drains etc. including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.	cum.	262.65		
20310000	Dismantling dry stone pitching in drains etc. including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.	cum	262.65		
20320000	Dismantling stone slab roofing over wooden karries or R.C.C. battens including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (wooden karries or RCC battens to be measured and paid for separately)	cum	472.05		
20330000	Dismantling wood work. Wrought framed and fixed in frames other frames and trusses of span upto 10 metres and height				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	between ridge and floor level stacking the serviceable materials and disposal of un-serviceable materials with in 20 metres lead.				
20330100	Sectional area average 40 sq.cm. Or over.	cum.	685.55		
20330200	Sectional area under 40 sq.cm.	Metre	2.85		
20340000	Extra over item No. 20330000 for every additional span of 1.50 metres or part thereof beyond 10 metres for wood work in trusses.				
20340100	Sectional area average 40 Sq.cm. Or over	Cum.	95.45		
20340200	Sectional area under 40 sq.cm.	Metre	0.25		
20350000	Extra over item No. 20.33 for every additional height of 1.0 metre or part thereof beyond 5 metres for wood work in trusses.				
20350100	Sectional area average 40 sq.cm. Or over.	Per cum per mtr height	14.05		
20350200	Sectional area under 40 sq.cm.	Per cum per mtr height	0.55		
20360000	Dismantling dhajji walling including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead.	Sqm.	15.35		
20370000	Dismantling wooden trellis work in position including frame work and stacking the serviceable materials within 20 metres lead.	Sqm.	17.90		
20380000	Dismantling expanded metal with necessary battens and beading including frame work and stacking the serviceable				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	materials within 20 metres lead.	Sqm.	19.25		
20390000	Dismantling wooden boardings in lining of walls and partitions including frame work and stacking the materials withing 20 metres lead.				
20390100	upto 10 mm thickness.	Sqm.	17.95		
20390200	Thickness above 10mm and upto 25 mm	Sqm.	19.75		
20390300	Thickness above 25mm and upto 40mm	Sqm	22.75		
20400000	Dismantling wooden chajjas and sun-shades including stacking the materials with in 20 metres lead.	Sqm.	28.10		
20410000	Dismantling ballies in posts, purlins or rafters including stacking the materials with in 20 metres lead.	Metre	3.75		
20420000	Dismantling steel work upto span of 10 metres and height between ridge and floor level upto 5 metres in single sections including dismantling and stacking the materials within 20 metres lead (Riveted work where rivets are required to be cut shall be measured and paid for separately).				
20420100	R.S. joists.	Per kg	0.70		
20420200	Channels, angles, tees and flats:-	Per kg	0.55		
20430000	Dismantling steel work upto span of 10 metres and a height of 5 metres in built up sectional in angles, tees, flats and channels including all gusset plates, bolts, nuts, beading etc and				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	stacking the materials within 20 metres lead :-				
20430100	Including dismembering.	Per kg	1.10		
20430200	Excluding dismembering.	Per kg	0.75		
20440000	Extra over items No. 20420000 and 20430000 for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres.	Per kg	0.15		
20450000	Extra over item No. 20420000 and 20430000 for dismantling trusses, rafters, purlins etc. of steel work for every additional height of one metre or part thereof beyond 5 metres.	Per kg	0.15		
20460000	Extra over item No. 20420000 and 20430000 for making of structural steel work required to be re erected	Per Kg.	0.80		
20470000	Extra over items No. 20420000 and 20430000 for cutting rivets.	Each	2.30		
20480000	Dismantling doors, windows and clerestory windows, ventilators etc. (wood or steel) shutters including chowkhats, architraves, hold fasts and other attachments etc. complete and stacking them within 20 metres lead.				
20480100	Not exceeding 3 sq.m in area	Each	68.90		
20480200	Exceeding 3 sqm in area	Each	91.80		
20490000	Taking out doors, windows and clerestory windows shutters (steel or wood) including stacking within 20 metres lead.				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
20490100	Not exceeding 3 sqm in area.	Each	35.50		
20490200	Exceeding 3 sqm in area.	Each	50.00		
20500000	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 20 metres lead. (Frame work to be measured and paid for separately)	Sqm.	4.75		
20510000	Dismantling and stacking within 20 metres lead, fencing posts or struts (wood, steel or R.C.C.) including all earth work and dismantling of concrete etc. in the base and making good the disturbed ground.				
20510100	Wooden posts of any size	Metre	48.70	50.70	
20510200	Steel sections of any size	Metre	50.35	52.35	
20513000	RCC posts of any size	Metre	45.80	47.75	
20520000	Dismantling ballies or wooden posts at the points of projection above the concrete or ground including taking out iron straps, bolts, nuts etc if any, and stacking the same within 20 metres lead.	Per post	0.35		
20530000	Dismantling C.I. Or asbestos rain water pipes with fittings and clamps including stacking the materials within 20 metres lead.				
20530100	50 mm dia	Metre	16.00		
20530200	75mm dia	Metre	16.25		
20530300	100 mm dia	Metre	16.70		
20530400	150 mm dia	Metre	17.00		
20540000	Dismantling of drain pipes (salt glazed work of				

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	concrete) set in cement mortar including breaking of joints stacking the serviceable materials and disposal of un-serviceable materials within 20 metres lead including excavation and refilling trenches after taking out the pipes (Dismantling of bed concrete to be measured and paid for separately)				
20540100	100 mm dia	Metre	17.75		
20540200	150mm dia	Metre	19.60		
20540300	225mm dia	Metre	21.45		
20540400	300 mm dia	Metre	23.55		
20550000	Dismantling old C.I. Pipes including excavaton and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 20 metres lead.				
20550100	80 mm dia	Metre	67.00	71.40	
20550200	100mm dia	Metre	69.40	74.85	
20550300	125mm dia	Metre	71.30	77.90	
20550400	150 mm dia	Metre	73.60	81.20	
20550500	200 mm dia	Metre	81.50	91.40	
20550600	250 mm dia	Metre	88.65	100.65	
20550700	300 mm dia	Metre	95.45	108.70	
20550800	350 mm dia	Metre	101.65	115.95	
20550900	400 mm dia	Metre	105.90	121.45	
20551000	450 mm dia	Metre	113.60	130.40	

DEMOLITION AND DISMANTLING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
20551100	500 mm dia	Metre	118.55	136.55	
20551200	600 mm dia	Metre	127.10	147.60	
20560000	Labour for cutting C.I. Pipes with steel saw:-				
20560100	80 mm dia	Each Cut	21.45		
20560200	100mm dia	Each Cut	29.90		
20560300	125mm dia	Each Cut	38.55		
20560400	150 mm dia	Each Cut	54.40		
20560500	200 mm dia	Each Cut	72.50		
20560600	250 mm dia	Each Cut	90.60		
20560700	300 mm dia	Each Cut	108.70		
20560800	350 mm dia	Each Cut	126.90		
20560900	400 mm dia	Each Cut	144.95		
20561000	450 mm dia	Each Cut	163.05		
20561100	500 mm dia	Each Cut	181.15		
20561200	600 mm dia	Each Cut	217.60		

CHAPTER XXI
ARBORICULTURAL AND GARDENING

CHAPTER XXI

ARBORICULTURAL AND GARDENING

Notes :-

- 1 The rates below are application for arboricultural and gardening works in lawns of the building, the road sides, hill-side slopes and canal embankments be decided by the Engineer-in-chief with due deference to the site/ climatic conditions and only the actual volume of excavated earth shall be paid according to the classification of soil, In case longer lead/ lift is involved in the excavation of a particular item , additional rates shall be paid.
- 2 The procurement of earth /sludge or manure shall be from the source as specified by the Engineer-In – Chief . In case these are imported from distances longer than the once specified in the items, additional rates shall be paid on the basis of cost of cheapest mode of transport.
- 3 The cost of saplings / shrubbery's or grass etc. If specifically procured for plantation shall be paid separately.
The labour rates include the water charges.

CHAPTER XXI

ARBORICULTURE AND GARDENING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
21010000	Trenching in ordinary soil upto a depth of 1-5 metres including removal and stacking of services able materials upto a distance of 20 metres and then disposing off by spreading and neatly levelling (with in a lead of 20 metres) and making up the trenched areas to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water excluding cost of imported earth, sludge or manure.	Sq.m			The rate shall be the same as for item no 07040000 depending upon classification of earth work Add. Rate for lead and lift shall be paid as detailed in the chapter on earth work.
21020000	Supplying and stacking of good earth at site including royalty and carriage upto 100 metres on head load and 1 km. By mechanical transport (earth measured in stacks will be reduced by 20% for payment)	Cum.	58.90	254.25	
21030000	Supplying and stacking sludge at site including royalty and carriage upto 100 metres by head load and 1 km. By mechanical transport (Sludge measured in stacks will be reduced by 8% for payment)	Cum		557.70	
21040000	Supplying and stacking at site dump manure from approved sources (duly screened through specified sieve) including carriage upto 100 metres on head load and 1 km. By mechanical transport (manure measured in stacks will be reduced by 8% for payment).	cum	32.45	202.40	
21050000	Rough dressing trenched ground including breaking clods.	Sqm.	0.35		
21060000	Fine dressing the trenched ground.	Sqm.	0.85		
21070000	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.				

ARBORICULTURE AND GARDENING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
		Sqm.	1.10		
21080000	Spreading sludge dump manure or/and good earth in required thickness (cost of sludge, dump manure or/and good earth to be paid seperately).	cum	11.50		
21090000	Mixing earth and sludge or manure in proportion specified or directed.	Cum	8.15		
21100000	Grassing with 'Doob' grass including watering and maintenance of the Lawn for 30 days or more till the grass from a thick lawn free from weeds and fit for moving including supplying good earth if needed (the cost for Doob grass shall be paid seperately)				
21100100	In rows 15 cm. Apart in either direction.	Sqm.	1.25		
21100200	In rows 7.5 cm. Apart in either direction.	Sqm.	2.60		
21100300	In rows 5 cm. Apart in either direction.	Sqm.	4.00		
21110000	Renovating lawns including weeding sheling the grass, forking the ground, top dressing with sludge or manure mixing the same with forked soil, watering and maintaing the lawns for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving and disposal of rubbish as directed including supplying good earth if needed but excluding the cost of sludge or manure.	Sqm.	7.70		
21120000	Uprooting rank vegetation and weeds by digging the area upto a depth of 1.5m (Earth work to be paid separetaly) removing all weeds and other growth with roots by forking				

ARBORICULTURE AND GARDENING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	repeatadly, breaking clods, rough dressing flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass including disposal of all rubbish with all leads and lifts.	Sqm.	4.80	4.80	
21130000	Preparation of beds for hedging and shrubbery by excavating upto 1.5 metre depth and trenching the excavated base to a further depth of 30cm. Refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio 8:1 (8 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of sludge or manure after reduction by 8% flooding with water, filling with earth if necessary, watering and finally fine dressing levelling etc. including stacking and disposal of materials declared un-serviceable and surplus earth by spreading and levelling as directed with in a lead of 20 metres and lift upto 1.5 metre complete. Notes:- Earth work in excavation to be paid vide item no 07040000 depending upon classification of soil. ii) Cost of sludge, manure or extra earth to be paid for separately	Cum.	49.85		
21140000	Digging holes upto 1 metre dia in soil and refilling the same with the excavated earth mixed with manure in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% :1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure or sludge or extra good earth, if needed, to be paid separately)	cum.			To be paid @ 20% more than the rate in item no. 07040000 depending upon classification of soil
21150000	Half brick circular treeguard in				

ARBORICULTURE AND GARDENING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	second class bricks, internal diametre 1.25m, and height 1.20m. above ground and 0.20m. Below ground bottom two courses laid dry and top three courses in cement mortar 1:6 (1 cement : 6 sand) and the intermediate courses being in dry honey comb masonry as per design complete.	Each	113.35	969.65	
21160000	15cm. Thick C.R. stone masonry circular tree guard internal diametre 1.25m, and height 1.20m. above ground and 0.30m. Below ground bottom0.80m laid dry and top 0.30m laid in cement mortar mortar 1:6 (1 cement : 6 sand) and the intermediate courses being in and dry honey comb masonry as per design complete.	Each	869.65	1756.25	
21170000	Providing and fixing M.S. Flat iron tree guard 60 cm. Dia, and 2 metre high above ground level, formed of 4 Nos. 25x6mm.and 8 Nos. 25x6mm vertical M.S. Flats riveted to 3 Nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8 mm. Dia and 30mm. Long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming complete in all respects.	Each	643.55	2237.30	
21180000	Making tree guard 53 cm. Dia and 1.3 metre high as per design from empty coal tarring drums supplied free by the department including providing and fixing 2 Nos. M.S. sheet rings 50x0.3mm with rivets complete in all respects including painting in side and outside of tree guard with.				
21180100	Coat of coal tar.	Each	75.90	137.80	
21180200	Two or more coats of ready mixed				

ARBORICULTURE AND GARDENING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	paint of approved quality and shade over a priming coat.	Each	158.55	204.45	
21190000	Making tree guard 53cm. Dia and 2 metres high as per design from empty coal tar drums to be supplied free by the department including providing and fixing four less 40cm. Long of 30x3mm. M.S. sheet rings, 50x0.5mm with rivets complete in all respects including painting inside and out side of tree guard with.				
21190100	A Coat of coal tar.	Each	114.05	285.95	
21190200	Two or more coats of ready mixed paint of approved quality and shade over a priming coat.	Each	146.00	388.70	
21200000	Edging with second class bricks laid dry length-wise including excavation refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 20 metres.	Metre	3.50	21.80	
21210000	Filling of earth work and sludge or manure in the desired proportion in trenches, flooding with water and levelling of supplying earth and sludge or manure and mixing excluded.	Cum	4.10		
21220000	Excavation in dumped stones or mulba including staking of serviceable and un-serviceable material separately and disposal of un-serviceable material lead upto 20 metres disposed material to be neatly dressed.	Cum	117.10		
21230000	Excavation in Bajri path including stacking of serviceable and un-serviceable material lead upto 20 metres and lift				

ARBORICULTURE AND GARDENING

ITEM CODE	DESCRIPTION	UNIT	LABOUR RATE	THROUGH RATE	REMARKS
	upto 1.50 metres, disposed material to be neatly dressed.	Cum	128.00		
21240000	Excavation in water bound macadam road including stacking the serviceable and unserviceable material seperately and disposal of unserviceable material lead upto 20 metres and lift upto 1.5 metre, disposed material to be neatly dressed.	Cum	158.00		

CHAPTEER XXII
CONSUMPTION OF MATERIALS

CHAPTEER XXII
CONSUMPTION OF MATERIALS

Item No.	Description	Unit	Quantity	Remarks.	
	CHAPTER-4: MORTARS				
1.	Lime Mortar :		Lime	Sand	
(i)	1:1 (1 Lime putty: 1 sand)	Cum	4.51 qtls. Or 0.7125 cum putty.	0.7125 cum.	
(II)	1:2 (1 Lime putty: 2 sand)	Cum	3.01 Qtls. Of lime of 0.475 cum. Putty	0.95 Cum	
(iii)	1:3 (1 Lime putty: 3 sand)	Cum	2.26 Qtls. Or 0.357 cu.m putty.	1.07 cum.	
2.	Lime Mortar :		Lime	Surkhi	Sand
(i)	1:1 (1 Lime putty: 1 surkhi)	Cum	4.51 qtls. Or 0.7125 cum putty.	0.7125 cum	.....
(II)	1:2 (1 Lime putty: 2 Surkhi)	Cum	3.01 Qtls. Of lime of 0.475 cum. Putty	0.95 cum	.....
(iii)	1:3 (1 Lime putty: 3 Surkhi)	Cum	2.26 Qtls. Or 0.357 cu.m putty.	1.07 cu.m	.....
(iv)	1:1:1 (1 Lime putty: 1 sand:1 Surkhi)	Cum	3.01 qtls. Or 0.475 cum	0.475 cum	0.475 cum
(v)	1:1:2 (1 Lime putty : 2 surkhi : 2 sand)	Cum	2.26 qtls. Or 0.375 cum	0.357 cum	0.714 cum
3.	Cement Mortar		Cement	Sand	
(i)	1:1 (1 Cement : 1 sand)	Cum	1.02 Tonne or 0.7125 cum	0.7125 cum	
(ii)	1:2 (1 Cement : 2 sand)	Cum	0.68 Tonne or 0.473 cum	0.95 cum	
(iii)	1:3 (1 Cement : 3 sand)	Cum	0.51 Tonne or 0.357 cum	1.07 cum	
(iv)	1:4 (1 cement : 4 sand)	Cum.	0.38 tonne or 0.268 cum	1.07 cum	
(v)	1:5 (1 cement : 5 sand)	Cum	0.31 tonne or 0.214 cum	1.07 cum	
(vi)	1:6 (1 cement : 6 sand)	Cum	0.25 tonne or 0.179 cum	1.07 cum	
(vii)	1:7 (1 cement : 7 sand)	Cum	0.22 tonne or 0.153 cum	1.07 cum	
(viii)	1:8 (1 cement : 8 sand)	Cum	0.190 tonne or	1.07 cum	

			0.134 cum		
4.	Cement Lime Mortar		Cement	Lime	Sand
(i)	1:1:3 (1 Cement : 1 lime putty:3 sand)	Cum	0.41 tonne Or 0.286 cum.	1.81 qtls or 0.286 cum putty	0.86 cum
(ii)	1:1:4 (1 cement: 1lime putty:4 sand)	Cum	0.38 tonne. Or 0.268 cum.	1.70 qtls or 0.268 cum putty	1.07 cum
(iii)	1:1:5 (1 cement: 1 lime putty : 5 sand)	Cum	0.31 tonne. Or 0.214 cum.	1.35 qtls or 0.214 cum putty	1.07 cum
(iv)	1:1:6 (1 cement : 1 lime putty:6 Sand)	Cum	0.25 Tonne or 0.178 cum.	1.13 qtls or 0.178 cum putty.	1.07 cum
(v)	1:1:7 (1 cement : 1 lime putty:7 Sand)	Cum	0.22 Tonne or 0.134 cum.	0.97 qtls or 0.153 cum putty.	1.07 cum
(vi)	1:1:8 (1 cement : 1 lime putty:8 Sand)	Cum	0.19 Tonne or 0.134 cum.	0.84 qtls or 0.134 cum putty.	1.07 cum
(vii)	1:1:9 (1 cement : 1 lime putty:9 Sand)	Cum	0.17 Tonne or 0.119 cum.	0.75 qtls or 0.119 cum putty.	1.07 cum
(viii)	1:1:10 (1 cement : 1 lime putty:10 Sand)	Cum	0.15 Tonne or 0.107 cum.	0.67 qtls or 0.09 cum putty.	1.07 cum
(ix)	1:2:9 (1 cement : 2 lime putty:9 Sand)	Cum	0.17 Tonne or 0.119 cum.	1.51 qtls or 0.238 cum putty.	1.07 cum
(x)	1:3:12 (1 cement : 3 lime putty:12 Sand)	Cum	0.13 Tonne or 0.09 cum.	1.70 qtls or 0.27 cum putty.	1.07 cum
5.	Mud Mortar :				
	Mud dry	Cum	-	-	The quantity if mud dry required is 1.20 cum

Item no.	Description	Unit	Quantity			Remarks.
			Special Gelatine 80%	Detonators	Safety Fuse coil	
	Chapter 7- Earth work					
1.	Open excavation in :-					
	(a) Jumper work	Cum	0.063 kg.	0.30 Nos.	0.025 coil	
	(b) Blasting work :					
	(i) Soft work	Cum	0.252 kg.	1.20 Nos.	0.10 Coil	
	(ii) Hard rock	Cum	0.392 kg.	1.40 Nos.	0.125 coil	
2.	Excavation in foundations, trenches					
	Drains and channels etc.-					
	(a) Jumper work	Cum	0.063 kg	0.30 Nos.	0.025 coil	
	(b) Blasting work :					
	(i) Soft work	Cum	0.333 kg	1.20 Nos.	1.10 coil	
	(ii) Hard rock	Cum	0.535 kg	1.40 Nos.	0.125 coil	
3.	Removal of boulders on rocky portion of slips (where blasting is required) upto a distance of 20 meters, disposing of un-serviceable materials, stacking, serviceable materials, stacking, serviceable materials and neatly dressing the surface (slip removal).	Cum	0.151 kg.	0.720 No.	0.06 coil	

Consumption of Materials

Item No.	Description	Unit	Quantity of Aggregate				Mortar
			20mm	25mm	40mm	50 mm	
	Chapter 9-Concrete work						
1.	Mud concrete :						
(i)	Mud concrete with graded stone aggregate 40 mm nominal size	Cum	0.25 cum	.....	0.69 cum	.....	0.40 cum (mud mortar)
2.	Lime concrete :						
(a)	Lime concrete (40 mm nominal size) with 40% mortar of mix:-						
(I)	1:1:1 (Lime putty : 1 surkhi : 1 sand)	Cum	0.25 cum	....	0.69 cum	.....	0.40 cum
(ii)	1:2 (1 lime putty : 2 sand)	Cum	0.25 cum	....	0.69 cum	.....	0.40 cum
(iii)	1:3 (1 lime putty : 3 sand)	Cum	0.25 cum	....	0.69 cum	.....	0.40 cum
(iv)	1:2 (1 lime putty : 2 surkhi)	Cum	0.25 cum	....	0.69 cum	.....	0.40 cum
(b)	Lime concrete (25mm nominal size) with 50% mortar mix 1:2 (1 lime putty : 2 surkhi)	Cum	0.25 cum	0.75 cum	.....	.....	0.50 cum

Item No.	Description	Unit	Quantity of Aggregate								Re m.
			10mm	20mm	25mm	40mm	50mm	63mm	Cement	Sand	
3.	Cement Concrete										
(i)	1:2:4 (1 cement :2 sand : 4 graded stone aggregate 40 mm nominal size)	Cum	0.11 cum	0.22 cum	....	0.52 cum	....	....	0.32 tonne or 0.2225 cu.m	0.445 cum	
(ii)	Cement concrete 1:3:6 (1 cement :3 sand : 6 graded stone aggregate 40 mm nominal size)	Cum	...	0.24 cum	....	0.65 cum	...	...	0.22 tonne or 0.1567 4 cum	0.47 cum	
(iii)	Cement concrete 1:4:8 (1 cement :4 sand : 8 graded stone aggregate 40 mm nominal size)	Cum	...	0.24 cum	....	0.65 cum	...	...	0.17 tonne or 0.1175 cum	0.47 cum	
(iv)	Cement concrete 1:5:10 (1 cement :5 sand : 10 graded stone aggregate 40 mm nominal size)	Cum	...	0.24 cum	....	0.65 cum	...	...	0.13 tonne or 0.094 cum	0.47 cum	
(v)	Cement concrete 1:6:12 (1 cement :6 sand : 12 graded stone aggregate 40 mm nominal size)	Cum	...	0.24 cum	....	0.65 cum	...	...	0.11 tonne or 0.0783 3 cum	0.47 cum	
(vi)	Cement concrete 1:1:2 (1 cement :1 sand : 2 graded stone aggregate 20 mm nominal size)	Cum	0.20 cum	0.58 cum	....	....	...	...	0.56 tonne or 0.39 cum	0.39 cum	

(vii)	Cement concrete 1: 1½:3 (1 cement : 1½ sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.28 cum	0.57 cum	....	....	...	...	0.48 tonne or 0.2833 cum	0.425 cum	
(viii)	Cement concrete 1/1/4:2:4 (1/1/4: cement : 2 sand : 4 graded stone aggregate 20 mm nominal size)	Cum	0.28 cum	0.64 cum	....	....	...	...	0.38 tonne or 0.26875 cum	0.43 cum	
(ix)	Cement concrete 1:2:4 (1: cement : 2 sand : 4 graded stone aggregate 20 mm nominal size)	Cum	0.22 cum	0.67 cum	....	....	...	...	0.32 tonne or 0.2225 cum	0.445 cum	
(x)	Cement concrete 1:3:6 (1: cement : 3 sand : 6 graded stone aggregate 20 mm nominal size)	Cum	0.24 cum	0.70 cum	....	....	...	...	0.22 tonne or 0.1567 cum	0.47 cum	
(xi)	Cement concrete 1:8:16 (1: cement : 8 sand : 16 graded stone aggregate 20 mm nominal size)	Cum	0.22 cum	0.67 cum	....	....	...	...	0.0884 tonne	0.445 cum	
(xii)	Cement concrete 1:5:10 (1: cement : 5 sand : 10 graded stone aggregate 40 mm nominal size with 15% plum)	Cum	.....	0.22 cum	....	0.60 cum	...	...	0.1196 tonne	0.43 cum	

Item No.	Description	Unit	Quantity					Rem.
			Mild steel	Tor steel	Cement	Sand	Mortar	
4.	Mild steel/tor steel work	Qtls.	1.05 Qtls	1.05 Qtls.	....	....	...
5.	Extra for rendering smooth the top of suspended floors landings stair cases (treads and risers) and other such items with cement mortar 1:2 (1 cement :2 sand) including a floating coat of neat cement and curing complete and protecting the surface with a layer of 7.5 cm of earth laid over 15mm layer of sand in case of suspended floors and landing steps etc. including subsequent removal and cleaning of the same.	10 sqm	...	...	0.0218 Tonne	0.15 cum.	0.03 cum (1:2)	
6.	Smooth finishing of the exposed surface of R.C.C./C.C. with cement mortar 1:3 (1 cement : 3 sand)	10 sqm	....	...	...	....	0.072 cum	

Item No.	Description	Unit	Quantity		Rem.
			Burnt clay bricks	Mortar	
	Chapter 10 Brick work (with Conventional Bricks)				
1.	Brick work using common burnt clay building bricks	cum	475 Nos.	0.24 cum	

2.	Extra for:-				
	(i) Circular pillars	Cum	141 Nos.	....
	(ii) Curved plan upto mean radius not exceeding 5 meters	Cum	36 Nos.	.....
	(iii) Tapered Surfaces	Cum	178 No.s		
3.	Brick work in:-				
	(i) Plain arches	Cum	494 Nos.s	0.25 cum	
	(ii) Gauged arches	Cum.	538 No.s	0.25 cum	
4.	Half brick, masonry in common burnt clay building bricks	10 sqm.	565 Nos.	0.28 cum	
5.	Half brick honey comb brick work in cement mortar (1:4)	Sqm.	....	....	The quantity of brick work required for every sq.meter is 0.069 cu.m
6.	Constructing thary with common burnt clay building bricks:-		----	---	
	(i) Cement concrete (1:5:10) (ii) Brick (laid cement mortar 1:4) (iii) Cement pointing (in cement mortar 1:3)	Sqm	....	....	The qty. of C.C. work required for every sq.m is 0.15 cum. The qty. of brick in cement mortar required for every sq.m is 0.11 cum. The qty. of cement pointing required for every sq.m is 1 sq.meter.
7.	Drip course with specially moulded brick in cement mortar 1:4	10m.	...	....	The quantity of brick work required is 0.087 cum.
8.	Moulding cornices	10m. 10cm projection 20cm depth	....	....	The quantity of brick work and plaster 1:4 required is 0.17 cum. & 4.75 sqm
9.	Providing brick band 7.6 cm. Thick and 5 cm. Projected	10m.	.....	.....	The quantity of brick work required is 0.05 cum.

10.	Brick tile masonry using common burnt clay brick tile including plain arches	Cum	777 Nos.	0.40 cum	
11.	Extra for :-				
	(i) Curved on plan with a mean radius not exceeding 6 meters	Cum	55 Nos.	.....
2.	Brick work (with Modular Bricks)				
12.	Brick work using common burnt clay building bricks	Cum	520 Nos.	0.21 cum.	
13.	Extra for:-				
	(i) Circular pillars	Cum	142 Nos.	.....
	(ii) Curved on plan upto mean radius not exceeding 5 meters	Cum	35 Nos.	.....
	(iii) Tapered surface	Cum	175 Nos.	.....
14.	Brick work in :-				
	(i) Plain arches	Cum	487 No.s	0.22 cum.	
	(ii) Gauged arches	Cum	580 Nos.	0.22 cum	
15.	Half brick masonry in common burnt clay building bricks	10 sqm	550 Nos.	0.25 cum	
16.	Half brick honey comb brick work in cement mortar (1:4)	Sqm	....	.....	The quantity of brick work required for every sqm is 0.066 cum.
17.	Constructing Tharry with common burnt clay building bricks :-				
	(i) C.C. 1:5:10		.....	.....	The quantity of C.C. work required of every sq.m is 0.15 cum
	(ii) Brick work laid in Cement mortar (1:4)	Sqm.	.....	.....	The quantity of brick in cement mortar required for every sq.m is 0.11 cum
	(iii) Cement pointing in cement mortar (1:3)		.....	.....	The quantity of cement pointing required for every sq.m is 1 sq.m

18.	Drip course with specially moulded bricks in cement mortar 1:4	10 m.	.....	.....	The quantity of brick work required is 0.10 cum.
19.	Moulding cornices	10m. 10cm projection 20cm depth	.....	.....	The quantity of brick work and plaster required is 0.313 cum and 4.00 sqm. Respectively.
20.	Providing brick band 10 cm thick and 5 cm projected	10 m.	.....	.....	The quantity of brick work, required is 0.05 cum.
21.	Brick tile masonry using common burnt clay brick tiles including plain arches	Cum.	950 Nos.	0.30 cum	.....
22.	Extra for :-				
	(i) Curved on plan with mean radius not exceeding 6 meters.	Cum.	67 Nos.	.....	.....

Note:- The quantity of cement/sand/lime required may be worked out on the basis of mix of mortar actually used.

Item no.	Description	Unit	Quantity			Remarks
			Stone	Trough/Bound stone 24x24x39 cm. Size	Mortar	
	Chapter II-Stone masonry Precast concrete Block masonry and marble work.					
1.	Random rubble masonry/polygonal rubble masonry (uncoursed) brought to courses:-					
	(i) Laid Dry	Cum	1.00cum	7 Nos.		(i) The volumes of through and bound stone in all cases is 0.16 cubic meter.
	(ii) In mud mortar	Cum	1.00cum	7 Nos.	0.30 cum	(ii) The quantities of cement and sand required may be worked out on the basis of the specified mortar.
	(iii) In cement or lime mortar	Cum	1.00cum	7 Nos.	0.33 cum	
2.	Squared rubble masonry coursed with hard stone:-					
	(i) Laid dry	Cum	1.21cum	7 Nos.	-	(1) The volumes of through and bound stone in all cases is 0.16 cubic metre.
	(ii) in mud mortar	Cum	1.21cum	7 Nos.	0.30 cum	(ii) The quantities of cement and sand required may be worked out on the basis of the specified mortar.
	(ii) In cement or lime mortar	Cum	1.21 cum	7 Nos.	0.30 cum	

Item No.	Description	Unit	Quantity				Remarks
			Mortar	Cement concrete			
3.	Precast concrete block masonry (including quion blocks, jambs blocks, closer etc. with solid concrete blocks of approved size made of cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm, and down gauge) cement concrete 1:5:10 (1 cement :5 sand: 10 graded stone aggregate 40mm and down gauge)	Cum	0.096 cum	....	....
	(i) Cement or lime mortar	Cum	0.095 cum	.....	.....	.....
	(ii) Cement concrete	Cum	....	0.88 cum	...	.....
4.	Precast concrete block masonry in prtition wall 10 cm. Thick with solid block of approved size including quion blocks jambs blocks, closer etc, made of cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm and down gauge) cement concrete 1:5:10 (1 cement: 5 sand : 10 graded stone aggregate 40 mm and down gauge) :-						
	(i) Cement or lime mortar	sqm	0.010 cum	.....	.....	.....
	(ii) Cement concrete	Sqm	...	0.09 cum	....	.....
5.	10 cm. to 12 cm. thick Dhajji walls wrought on both sides excluding plastering and pointing but including 2mm to 20mm mesh wire netting on wooden frame and painting	Sqm.	Wood 0.0309 cum	Solignum Painting 0.776 sqm.	Stone masonry 0.079 cum	Wire Netting 0.59 sqm.	

	two coats on wood preservative						
--	--------------------------------	--	--	--	--	--	--

Item No.	Description	Unit	Quantity		Remarks
			Boulders	G.I wires	
6.	Wire crate made of G.I. wire filled with boulder with square cut faces against the wire (wire crates to be measured and paid for separately)	Cum .	1.00 cum	.....
7.	Wire crate made of G.I. wire filled with boulders with square cut faces against the wire (wire crates to be measured and paid for separately)				
(a)	G.I. Wire 4mm thick (SWG-8)				
	(i) 25cm x 7.5 cm mesh	Sqm.	.....	2.85 kg.	
	(ii) 15 cm. x 15 cm mesh	Sqm.	.....	2.23 kg.	
(b)	G.I. wire 5 mm thick (SWG-6)				
	(i) 7.5 cm x 7.5 cm mesh	Sqm.	.....	4.28 kg.	
	(ii) 15 cm x 15 cm mesh	Sqm.	.....	3.35 kg.	

Item No.	Description	Unit	Quantity of cement to be used per unit quantity of work in Qtls.	Remarks
	Chapter 12 wood work			
1.	Providing and fixing wood (all kind of required thickness) plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on un-exposed surface.	100 sqm.	0.055	
2.	Providing and fixing 25 mm plain 1 st class indian teak wood skirting with necessary screws and priming coat unexposed surface.	100 sqm.	0.17	

3.	Providing and fixing 3 mm thick plywood plain lining with necessary screws, priming coat on un-exposed surface etc. complete with teak ply facing or commercial ply facing	100 sqm.	0.055	
4.	Providing 2 nd class 50x50x50mm Indian teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 sand)	100 Nos.	0.01	
5.	Providing and fixing 38mm thick plain framed panelling with necessary screws, priming coat on un-exposed surfaces etc, complete with indian teak wood.	100 sqm.	0.12	
6.	Providing and fixing first class Indian teak wood jambling with necessary screws, priming coat on un-exposed surface, etc, complete in 38mm thick or 25mm thick.	100 sqm.	0.19	
7.	Providing and fixing 12mm thick and 100mm wide pelment with curtain rod and bracket including fixing with 25x3 mm M.S. flat 10 cm long ad plug etc, complete.	Per 100 mtrs.	0.01	
8.	Providing and fixing curtain rod with brackets plugs etc.	Per 100 mtrs.	0.01	
9.	Providing and fixing 25 or 30mm wooden or flat pressed 3 layer, particle board (Medium density) interior grade shelves supported on 40x40x6mm T or Liron brackets fixed at suitable distances in 7.5x7.5x15cm blocks of cement concrete 1:3:6 (1 cement: 3 sand : 6 graded stone aggregate 20 mm nominal size)	Per 100 sqms.	1.10	
10.	Providing 40x3 mm flat iron hold fast 40 cm long including fixing to frame with 10mm dia bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm. 1:3:6 mix(1 cement :3 sand : 6 graded stone aggregate 20 mm nominal size)	100 Nos.	1.10	

Item No.	Description	Unit	Quantity of cement to be used per unit quantity of work in Qtls.						Remarks
			Marble chips	Cement for top layer only (qtls)	Marble powder (cum)	Pigment (kg.) if used	Cement Mortar (cu.m)	CC 1:2:4 cum	
	Chapter 13-PAVING AND FLOORING:								
	Terrazo flooring								
1.	40mm thick marble chips: flooring over CC 1:2:4								
	(i) Top layer 6 mm thick	10 sqm	0.872	0.405	0.007	2.84	....	0.340	
	(ii) Top layer 8 mm thick	10 sqm	1.225	0.52	0.012	3.64	....	0.320	
	(iii) Top layer 10 mm thick	10 sq.m	1.576	0.636	0.014	4.45	....	0.300	
	(iv) Top layer 12mm thick	10 sq.m	1.734	0.81	0.017	5.67	....	0.280	
	Marble Chips Skirting:								
2.	(i) 20 mm thick with under layer 14mm thick cement mortar (1:3)	10 sqm	0.872	0.405	0.007	2.84	0.193	....
	(ii) 22 mm thick with under layer 15mm thick cement mortar (1:3)	10 sq.m	1.048	0.463	0.009	3.24	0.202	.....

The quantities of cement/sand required for concrete/mortar may be worked out as per respective chapters.

Item No.	Description	Unit	Quantity						Remarks
			Tiles (including 10% waste Nos)	Cement mortar 1:6 cum	Grey cement slurry bedding (tonne)	Cement for grouting grey (tonne)	Cement for grouting white (tonne)	Pigment (kg)	
	Terrazo tile flooring:								
3.	Pre-cast Terrazo tile flooring (tile size 25cmx25cm) laid over 25 mm thick cement mortar 1:6:-								
	(a) Grey	10 sqm	176	0.255	0.044	0.044	....	....
	(b) Silver Grey	10 sq.m	176	0.255	0.044	0.022	0.022	.....
	© White	10 sqm	176	0.255	0.044	...	0.044	....
	(d) Medium	10 sqm.	176	0.255	0.044	0.022	0.022	3.08 medium shade	
	(e) Dark	10 sq.m	176	0.255	0.044	0.044	.....	3.08 dark shade	

Item No.	Description	Unit	Quantity					Remarks
			Tiles (including 10% waste Nos)	Cement for slurry & buttering	For grouting	Pigment	Cement Mortar 1:3:9/10 mm thick for bedding cum	
				Grey Cement	White Cement (Tonne)		(Kgs)	

	Terrazo tile Dado :							
4.	(a) Grey	10 sqm	176	0.066	0.066	...	0.120	
	(b) Silver	10 sqm	176	0.033 50%	0.033 50%		0.120	
	© White	10 sq.m	176	0.033 50%	0.033 50%		0.120	
	(d) medium	10 sq.m	176	0.033 50%	0.033 50%	4.62 (medium shade)	0.120	
	(e) Dark	10 sq.m	176	0.066	....	4.62 (dark shade)	0.120	

Item No.	Description	Unit	Quantity			Remarks
			Tiles (including 2.5% breakage and wastage Nos)	Cement for slurry (tonne)	Cement Mortar 1:3 for bedding (cum)	
	White Glazed Tiles :					
	(i) White Glazed Tiles (152 mmx152mmx6mm) Flooring laid over cement mortar (12mm thick)	Sqm.	46	0.003	0.015	
	(ii) Angles and fillet covers etc. (size 15cm x15cm)	10 m length	69 (angles)	.....	.....	Mortar and slurry to be as per actual independen t upto surface area.

Item No.	Description	Unit	Quantity			Remarks
			Stone Chips 4.75 mm (cu.m)	Stone dust (cu.m)	Cement (Tonne)	
	Cement Concrete Flooring					
6.	(i) 15mm thick cement	10	0.15	0.05	0.10	

	concrete topping 1:2 to 3 (1 cement : 2 to 3 stone aggregate of size 4.75mm and below, by volume) laid over and finished monolithic with structural slab.	sq.m				
	(ii) 20mm cement concrete topping 1:2 to 3 (1 cement : 2 to 3 stone aggregate of size) (4.75 mm and below, by volume) laid over and finished monolithic with base concrete	10 sqm.	0.20	0.07	0.13	

Item No.	Description	Unit	Quantity					Remarks
			Stone ballast 12.5mm (cum)	Stone ballast 10mm (cum)	Stone ballast 6mm/4.75mm (cum)	Sand (cum)	Cement (Tonne)	
	(iii) 25mm cement concrete flooring 1:2/1/2:3/12 (1 cement : 2/1/2 sand : 3/1/2 graded stone aggregated of size 12.5mm and below by volume) laid over set and hardened surface of structural slab or base concrete and finished with a floating coat of neat cement (using cement slurry for bound at the rate of 2.75 kg. Of cement per square meter of floor)	10 sq.m	0.084	0.042	0.021 (6mm)	0.119	0.108	
	(iv) 25mm cement concrete flooring 1:2:4 (1 cement :2 sand : 4 stone aggregate of size 12.5mm and below) laid over base concrete and finished with a floating coat of neat cement (base concrete to be paid separately)	10 sqm.	0.166	0.056	....	0.111	0.102	
	(iv) 40 mm thick cement concrete flooring with 25mm	10 sq.m	0.176	0.59	0.150 mm	0.118	0.161	

<p>under layer of cement concrete 1:3:6 (1 cement :3 sand : 6 stone aggregate of size 12.5mm and below) and 15mm wearing layer in cement concrete 1:2 to 3(1 cement : 2 to 3 stone aggregate of size 4.75 mm and below) laid integral with base course and finished with a floating coat of neat cement</p>							
--	--	--	--	--	--	--	--

Item No.	Description	Unit	Quantity			
			Stone ballast 20mm (cum)	Stone ballast 10mm (cum)	Sand (cum)	Cement (Tonne)
	(vi) Cement concrete flooring 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement:-					
	(a) 40mm thick	10 sqm.	0.267	0.089	0.178	0.150
	(b) 50mm thick	10 sq.m	0.334	0.111	0.222	0.182

Item No.	Description	Unit	Quantity					
			Stone ballast 12.5m m	Stone ballast 10mm	Sand (cum)	Cement (Tonne)	Cement mortar	Red Oxide
(Vii)	40mm thick red oxide flooring under layer 30mm thick of CC 1:2:4 and top layer with cement plaster with red oxide @ 3.50 kg per 50kg of cement with cement mortar 1:3	10 sqm	0.20 cum	0.067 cum	0.134 cum	0.118 Tonne	0.083 cum	5.81 Kg

Item No.	Description	Unit	Quantity				
			Stone aggregates 20mm (cum)	Stone aggregates 10mm (cum)	Sand (cum)	Cement (Tonne)	Metallic floor Hardner (qtl)
	(viii) Cement concrete pavement (25mm to 50mm thick) with 1:2:4 (1 cement :2 sand : 4 stone aggregate 20mm nominal size) including finishing with a floating coat	Cum	0.67	0.22	0.445	0.375	

	of neat cement complete.						
	(ix) 50mm thick cement concrete flooring with metallic concrete hardner topping, under layer of 35 mm thick cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) and top layer of 15mm thick metallic concrete hardner consisting of mix 1:2 (1 cement hardner mix : 2 stone aggregate 6 mm nominal size by volume, with which metallic hardening compound of approved quality is mixed in the ratio 4:1 (4 parts of cement : 1 part of metallic floor hardening compound of approved quality by weight) including finishing complete.	10 sq.m	0.234	0.078	0.156	0.188	0.26
	(x) 60mm thick cement concrete flooring with metallic concrete harder topping under layer of 45mm thick cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix :2 stone aggregate 6 mm nominal size) by volume, with which metallic hardening compound of approved quality is mixed in the ratio 4:1 (4 parts of cement : 1 part of metallic floor hardening compound of approved quality by weight) including finishing complete.	10 sqm.	0.300	0.100	0.200	0.249	0.26

Item No.	Description	Unit	Quantity		
			Cement Mortar 1:3 (cum)	Cement for finishing coat (Tonne)	Remarks
	(xi) Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement : 3 sand) finished with a floating coat of neat cement including rounding of junctions with floor:				
	(a) 15 mm thick	10 sq.m	0.202	0.01	
	(b) 20 mm thick	10 sqm.	0.255	0.01	

Item No.	Description	Unit	Quantity		
			Cement Mortar top layer 5mm thick in 1:3 (cum)	Red Oxide (Kg.)	Cement for floating coat (Tonne)
	(xii) Red Oxide plaster skirting (upto 30 cm height) with top layer of 5 mm thick plaster of cement mix using 3.50 kg of red oxide of iron per 50 kg. Of cement in mortar 1:3 (1 cement : 3 sand) finished red oxide mix of same proportion.				
	(a) 15 mm thick with under layer 10 mm tick cement plaster 1:3 (1 cement : 3 sand)	10 sqm.	0.180	2.87	0.01
	(b) 20 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement : 3 sand)	10 sq.m	0.232	2.87	0.01

Item No.	Description	Unit	Quantity	
			Bricks (in Nos)	Cement Mortar 1:4/1:6 (cum)
	Brick flooring :			
7.	First class brick flooring laid dry and grouted with cement mortar 1:4/1:6 (1 cement : 4/6 sand) including finishing the joints flush:			
	(a) 10 cm thick (using modular bricks)	10 sqm.	500	0.29
	(b) 7 cm thick using conventional bricks	10 sqm.	377	0.24
	© 11.2 cm thick (using conventional bricks)	10 sq.m	565	0.30

Item No.	Description	Unit	Quantity			
			Second Class Bricks (in Nos)	Sand (Cum)	Mud Mortar (cum)	Remarks
8.	Second class dry brick flooring including filling joints with fine sand:-					
	(a) 10 cm. thick (using modular bricks)	10 sqm	540	0.15	0.15	
	(b) 7 cm. thick (using conventional bricks)	10 sqm.	410	0.09	0.15	

Item No.	Description	Unit	Quantity		
			Linolium sheet 3.2mm thick and 5% wastage (sq.m)	Adhesive (as recommended by the manufacturer) (liters)	Remarks
	Miscellaneous:				

9.	Linolium covering to floor, plain or coloured laid with an approved adhesive on subfloor including cutting and fitting complete (sub-floor including damp proofing treatment to be measured separately for payment):				
	(a) 3.2 mm thick	10 sqm.	10.50	2.00	
	(b) 3.2 mm to 4.5 mm thick	10 sqm	10.50	2.00	

Item No.	Description	Unit	Quantity		
			PVC Tile 2mm thick and 5% wastage (sq.m)	Adhesive (liters)	Remarks
10.	2mm thick P.V.C./Rubber tiles flooring plain, coloured marble or mosaic or mottled finish with approved adhesive on sub-floor complete (subfloor including damp proofing treatment to be measured separately for payment)	10 sq.m	10.50	3.00	

Item No.	Description	Unit	Quantity				
			Kota stone 25mm thick and 15% wastage (sq.m)	Lime Mortar 1:1:1 (cum)	Cement for slurry bedding/joint (Tonne)	Pigment (KG.)	Remarks.
	Kota stone flooring :						
11.	Kota stone flooring 20mm (average) thick base or lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete:						

	(a) 25 mm thick	10 sqm	11.50	0.224	0.046	4.50	
	(b) 30mm thick	10 sqm.	11.50	0.224	0.068	4.75	
	© 30 mm thick	10 sqm	11.50	0.224	0.076	5.30	

Item No.	Description	Unit	Quantity				Remarks
			Kota stone 25mm thick and 15% wastage (sq.m)	Cement Mortar 1:4 (cum)	Cement for slurry bedding/joint (Tonne)	Pigment (KG.)	
	(ii) Kota stone slab flooring 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete:						
	(a) 25 mm thick	10 sqm	11.50	0.224	0.046	4.50	
	(b) 30mm thick	10 sqm.	11.50	0.224	0.068	4.75	
	© 40 mm thick	10 sqm	11.50	0.224	0.076	5.30	
	(iii) Kota stone slab 25mm thick in risers of steps, skirting dado and pillars laid in 12mm (average) thick cement mortar 1:3 (1 cement : 3 sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete:						
	(a) 25 mm thick	10 sqm	11.50	0.144	0.064	4.50	

CONSUMPTION OF MATERIALS

Item No.	Description	Unit	Quantity				
			G.I. Sheet (Quintals)	G.I. Seam bolts & Nuts (No.s)	G.I. J or L hooks (Nos.)	Limpet washers (Nos.)	Bitumen washers (Nos.)
	CHAPTER 14-ROOF COVERING:						
1.	Providing corrugated G.I. sheet roofing fixed with galvanized iron J or L hooks, bolts and nuts 8 mm dia with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete excluding the cost of purlins, rafters and trusses) :						
	(a) 0.80 mm thick C.G.I. Sheet	Sqm.	0.10	4.79	4.39	9.18	9.18
	(b) 0.63 mm thick C.G.I. sheet	Sqm.	0.08	4.79	4.39	9.18	9.18
2.	Providing ridges or hips 60 cm over all in plain G.I. sheet fixed with galvanised iron J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete :						
	(a) 0.80 mm thick sheet	R.M.	0.056	2.70	....	2.70	2.70
	(b) 0.63 mm thick sheet	R.M.	0.045	2.70	....	2.70	2.70
3.	Providing valleys 90 cm over all in plain G.I. sheets fixed with galvanised iron J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete:						
	(a) 1.60 mm thick sheet	R.M.	0.13	1.29	....	1.29	1.29
	(b) 0.80 mm thick sheet	R.M.	0.07	1.29	....	1.29	1.29
	© 0.63 mm thick G.I. sheet	R.M.	0.056	1.29	...	1.29	1.29

Item No.	Description	Unit	Quantity					
			G.I. Sheet (Quintals)	G.I. Seam bolts & Nuts (No.s)	G.I. J or L hooks (Nos.)	Limpet washers (Nos.)	Bitumen washers (Nos)	Flat iron brackets (with bolts & Nuts and washers etc) (Nos)
4.	Providing flashing 38 cm over all in plain G.I. sheets fixed with galvanised iron J or L hooks, bolts and nuts, G.I. limpet washers and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand):							
	(i) 1.25 mm thick sheet	R.M.	0.043	0.50	...	0.50	0.50	
	(ii) 1.00 mm thick sheet	R.M.	0.035	0.50	...	0.50	0.50	
	(iii) 0.80mm thick sheet	R.M.	0.028	0.50	...	0.50	0.50	
	(iv) 0.63mm thick sheet	R.M.	0.02	0.50	...	0.50	0.50	
5.	Providing and fixing 15cm wide 45 cm over all semicircular plain G.I. sheet gutter with iron brackets 40x3mm size bolts nuts and washers etc, including making necessary connection with rain water pipe complete as per standard design :							
	(a) 0.80 mm thick sheet	R.M.	0.035	..	...	...	...	1.07
6.	Conversion of G.I. Sheet to rain water pipe 0.63mm thick and fixed the same:							
	(a) 100mm dia	R.M.	0.018	..	...	...	...	....
	(b) 150mm dia	R.M.	0.029	..	...	...	...	....

Item No.	Description	Unit	Quantity						
			J or L Hooks (Nos)	Limpet washers (Nos)	Bitumen washers (Nos)	Ridge piece (R.M.)	Cement Mortar (cum)	A.C. Sheets (Sqm)	Rem
7.	Providing asbestos cement corrugated semicorrugated sheet roofing fixed with galvanised iron J or L hook, bolts and nuts 8 mm dia G.I. plain bitumen washer complete (excluding the cost of purlins, rafters and trusses)	Sqm	2.20	2.20	2.20	...	..	1.07	
8.	Providing and fixing ridges and hips in asbestos cement sheet roofing with G.I. J or L hooks, bolts and nuts 8mm dia, G.I. plain and bitumen washers complete>	R.M.	...	...	...	1.15	...	...	...
9.	Filling cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 12.55 mm nominal size) in gap of A.C. sheet corrugation and wings of ridges.	R.M.	..	..	..	...	..	0.006	...

Item No.	Description	Unit	Quantity			
			Slate	Nails	Lime Mortar 1:3	Remarks
10.	Slate roofing with 7.5cm. single lap single layer fixed on wooden battens (wood work for, frame to be paid separately):					
	(a) Size of slate 40 cm x20 cm	Sqm	25.90 Nos.	...	0.003 cum	
	(b) size of slate 60 cm x25 cm	Sqm	14.10 Nos	....	0.003 cum	
	(c) Size of slate 60cm x30 cm	Sqm.	12.50 Nos.	.....	0.003 cum	

11.	Slate roofing with 7.5 cm. lap double layers fixed on wooden battens (wood work for frame to be paid separately)					
	(a) Size of slate 40 cm x20 cm	Sqm	51.80 Nos.	...	0.006 cum	
	(b) size of slate 60 cm x25 cm	Sqm	28.20 Nos.	...	0.006 cum	
	(c) Size of slate 60cm x30 cm	Sqm	25 Nos.	...	0.006 cum	

Item No.	Description	Unit	Quantity				Remarks
			Bitumen	K.Oil	Fuel wood	Sand	
12.	Painting of top of roof with bitumen of approved quality at 17 kg per 10 sqm. Impregnated with a coat of sand at 60 cudm. Per 10 sqm including cleaning the slab surface with brushed and finally with a piece of cloth lightly socked with kerosen oil complete.	Sqm.	0.017 Qtl.	0.12 Ltr.	0.35 Kg.	0.006 cum	

Item No.	Description	Unit	Quantity		Remarks
			Cement to be used per unit quantity of work (in Qtls.)		
13.	Lime concrete terracing on roofs average thickness 10 cm. laid to fall with 25mm. Nominal size brick ballast and 50% lime concrete 1:2 (1lime putty: 2 surkhi) rammed and finished with gur and belgiri treatment complete and covered with flat brick tiles grouted with cement motar 1:3 (1 cement : 3 sand) over 12 mm, layer of cement mortar 1:3 (1 cement : 3 sand) and finished neat.	100 sq.m	6.63		
14.	Providing angular fillets 7.5x7.5 cm cement concrete 1:2:4 (1 cement :2 sand : 4) graded stone ballast 20mm nominal size	100m	0.90		

15.	Making water purnalas 25 cm. to 35 cm wide along the wall with cement mortar 1:4 (1 cement 4 sand) and finished neat with floating coat of neat cement.	100m	2.15	
16.	Making khuras 45x45xcm. With average minimum thickness of 5 cm of cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate of 20 mm nominal size) finished with 12mm cement plaster 1:3 (1 cement : 3 sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	Each	0.06	
	Rain water Pipes			
17.	Providing and fixing on wall face C.I. rain water pipes including filling the joints with spun yarn, soaked in /neat cement slurry and cement mortar 1:2			
	(a) 75mm dia pipe	Per Mtr.	0.00066	
	(b) 100mm dia pipe	Per Mtr.	0.00066	
	© 150mm dia pipe	Per Mtr.	0.00132	
18.	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. Pipes embedded in and including cement concrete blocks 10x10x10cm 1:2:4mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) and cost of cutting holes and making good the wall etc.			
	(a) 75mm dia	Each	0.005	
	(b) 100mm dia	Each	0.005	
	(c) 150mm dia	Each	0.005	
19.	Providing and fixing on wall face C.I. accessories for rain water pipes including filling the joint with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement : 2 sand)			
(a)	(i) 75mm dia C.I. Plain bend	Each	0.0026	
	(ii) 100mm dia C.I. plain bend	Each	0.0031	
	(iii) 150mm dia C.I. plain bend	Each	0.0051	
(b)	(i) 75mm dia C.I. head flat or corner type	Each	0.0015	

	(ii) 100mm dia C.I. head flat or corner type	Each	0.0015	
	(iii) 150mm dia C.I. head flat or corner type	Each	0.0026	
©	(i) 75mm dia C.I. plain shoe	Each	0.0015	
	(ii) 100mm dia C.I. plain Shoe	Each	0.0015	
	(iii) 150mm dia C.I. plain Shoe	Each	0.0026	
(d)	(i) 75mm dia C.I. singl branch (plain)	Each	0.0026	
	(ii) 100 mm dia C.I. single branch (plain)	Each	0.0031	
	(iii) 150mm dia C.I. single branch (plain)	Each	0.0051	
	(iv) 75mm dia C.I. double branch (plain)	Each	0.0039	
	(v) 100mm dia C.I. double branch (plain)	Each	0.0046	
(e)	(i) C.I. offsets (plain) 75mmdia 55mm projection	Each	0.0026	
	(ii) C.I. offsets (plain) 75mm dia 75mm projection	Each	0.0026	
	(iii) C.I. offsets (plain) 75 mm dia 115mm projection	Each	0.0026	
	(iv) C.I. offsets (plain) 75mm dia 150mm projection	Each	0.0026	
	(v) C.I. offsets (plain) 100mm dia 55mm projection	Each	0.0031	
	(vi) C.I. offsets (plain) 75mm dia 75mm projection	Each	0.0031	
20.	Providing and fixing and embedding sand cast iron rain water pipe in the masonry surrounded with 12mm thick cement mortar of the same mix as that of masonry:			
	(a) 75mm dia pipe	100m	0.035	
	(b) 100mm dia pipe	100m	0.047	
	© 150mm dia pipe	100m	0.070	
21.	Providing , fixing and embedding sand cast iron accessories for rain water pipes in masonry surrounding with 12mm thick cement mortar of the same mix as that of masonry.			
(a)	(i) S.C.I. plain bend 75mm dia	Each	0.0026	
	(ii) S.C.I. plain bend 100mm dia	Each	0.0031	
	(iii) S.C.I. plain bend 150mm dia	Each	0.0051	
(b)	(i) S.C.I. plain shoe 75mmd dia	Each	0.0015	
	(ii) S.C.I. plain shoe 100mm dia	Each	0.0015	
	(iii) S.C.I. plain shoe 150mm dia	Each	0.0026	

22.	Providing and fixing on wall face asbestos cement rain water pipes including jointing with spun yarn soaked in bitumen and cement mortar 1:2 (1 cement : 2 sand) complete:			
	(a) 50mm dia	100m	0.075	
	(b) 80mm dia	100m	0.125	
	© 100mm dia	100m	0.150	
23.	Providing and fixing for A.C. pipe wall plugs and standard holder bat clamps comprising of two semi-circular halves of flat and cast iron base screwed on wooden plugs:			
	(a) 50mm dia	Each	0.0002	
	(b) 80mm dia	Each	0.0002	
	© 100mm dia	Each	0.0002	
24.	Providing and fixing on wall face asbestos cement fittings for rain water pipe including jointing with spun yarn soaked in bitumen and cement mortar 1:2 (1 cement : 2 sand)			
(a)	Bend of repaired degree with door or without door			
	(a) 50mm dia	Each	0.0036	
	(b) 80mm dia	Each	0.0058	
	© 100mm dia	Each	0.0073	
(b)	(i) Offset 50mm projection 50mm dia	Each	0.0029	
	(ii) Offset 50mm projection 80mm dia	Each	0.0045	
	(iii) Offset 50mm projection 100mm dia	Each	0.0058	
©	(i) Offset 75mm projection 50mm dia	Each	0.0029	
	(ii) Offset 75mm projection 80mm dia	Each	0.0045	
	(iii) Offset 75mm projection 100mm dia	Each	0.0058	
(d)	(i) Offset 100mm projection 50mm dia	Each	0.0029	
	(ii) Offset 100mm projection 80mm dia	Each	0.0045	
	(iii) Offset 100mm projection 100mm dia	Each	0.0058	
(e)	(i) Offset 150mm projection 50mm dia	Each	0.0029	
	(ii) Offset 150mm projection 80mm dia	Each	0.0045	
	(iii) Offset 150mm projection 100mm dia	Each	0.0058	
(f)	(i) Offset 200mm projection 50mm dia	Each	0.0029	
	(ii) Offset 200mm projection 80mm dia	Each	0.0045	
	(iii) Offset 200mm projection 100mm dia	Each	0.0058	
(g)	(ii) Offset 300mm projection 80mm dia	Each	0.0045	
	(iii) Offset 300mm projection 100mm dia	Each	0.0058	
(h)	(ii) Offset 450mm projection 80mm dia	Each	0.0045	

	(iii) Offset 450mm projection 100mm dia	Each	0.0058	
(i)	(i) Offset 600mm projection 100mm dia	Each	0.0058	
(j)	Junction equal single of required degree with or without door.			
	(a) 50mm dia	Each	0.0036	
	(b) 80mm dia	Each	0.0058	
	© 100mm dia	Each	0.0073	
25.	(a) Junction equal double with or without door of required degree			
	(a) 50mm dia	Each	0.0054	
	(b) 80mm dia	Each	0.0087	
	© 100mm dia	Each	0.0111	
(b)	Standard shoe :			
	(a) 50mm dia	Each	0.0020	
	(b) 80mm dia	Each	0.0029	
	© 100mm dia	Each	0.0029	
©	Hexagonal rain water head:			
	(i) 250x200mm, 80mm dia or 100 mm dia	Each	0.0029	
	(ii) 300x250mm, 80mm dia or 100mm dia	Each	0.0029	
	(iii) 400x300mm, 100mm dia	Each	0.0029	
(d)	(i) Pentagonal rain water head 230x200mm, 80 or 100mm dia	Each	0.0029	
29.	Grading roof for water proofing treatment with :			
	(i) CC 1:2:4 (1 cement : 2 sand : 4 stone aggregate 20mm nominal size)	Cum.	3.20	
	(ii) Cement mortar 1:3	Cum	5.10	
	(iii) Cement mortar 1:4	Cum	3.80	

Item No.	Description	Unit	Quantity	
			Cement to be used per unit quantity of work in Qtls.	Remarks
CHAPTER 15-STEEL WORK				
1.	Providing and fixing 1mm thick M.S. sheet sliding-shutters with frame and diagonal braces of 40x40x6mm angle iron, 3.15mm M.S. gasket plaes, at the junctions and corners 25mm dia pulley 40x40x6mm angle iron and T-iron guide at the top and bottom respectively.	100 sq.m	0.35	
2.	Providing and fixing 1 mm thick M.S. sheet garrage door with frame of 40x40x6mm angle iron 3.15mm M.S. gusset plates at the junctions and corners all necessary fixing complete.	100 sqm.	0.35	
3.	Supplying and fixing rolling shutters of approved make, made of 80x1.25mm M.S. laths inter-locked together through their entire length and jointed together at the end by endlocks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete.	100 sqm.	0.35	
4.	Fixing standard steel glazed door, windows and ventilators in walls with plugs 10cm x16mmx3.15mm embedded in cement concrete blocks 15cmx10cmx10cm size of 1:3:6 (1 cement : 3 sand : 6 stone aggregate 20mm nominal size) or with wooden plugs and screws or with fixing clips or with bolts and nuts including fixing of glass panes with glazing clips and specials metalsash, putty or metal beading with screws.	100sqm.	1.30	

5.	Providing and fixing steel glazed doors, windows, and ventilators of standard rolled steel sections, joints mitred and welded with 16x3, 15mm, long 10cm long re bedded in Cement concrete blocks 15cm x10cm size of 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts including providing and fixing of glass panes with glazing clips and special metal sash, putty or metal beading with screws.	100 sqm.	1.30	
6.	Providing and fixing 20x6mm mild steel 15cm. Long clamps for securing chick tops.	100 Nos.	0.05	
7.	Providing and fixing mild steel rings of 6mm round bar and 40mm internal dia for fastening ropes of chicks	100 Nos.	0.05	

Item No.	Description	Unit	Quantity				
			Kerosene oil	Paint remover	Ready mixed red lead paint	Modrent solution	Rem
	CHAPTER 16-PAINTING AND POLISHING:						
	Steel and other metal surfaces						
1.	Removing old paint from steel and other metal surfaces and making the surface eve with:						
	(a) Flame cleaning	10 sqm.	1.00 liter.	...	....	....
	(b) Paint remover of approved brand	10 sqm.	...	0.70 liter	....	...
2.	Priming coat over new steel and other metal surfaces with ready mixed red lead paint.	10 sqm.	....	....	0.54 liter	....
3.	Mordent solution on new G.I. sheet.	10 sqm.	....	...	..	0.54 liter.	

Item No.	Description	Unit	Quantity		
			Enamel paint	Ready mixed red paint	Remarks
4.	Painting two coat (excluding, priming coat) on new steel and other metal surfaces with enamel paint in all shade.	10 sqm.	1.00 liter.	....
5.	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint in all shades.	10 sqm.	0.61 liter.	.....
6.	Painting two coat (excluding priming coat) on new steel and other metal surfaces under coat with readymixed paint brushing and finishing coat with ready mixed paint :				
	(i) Paint for under coat	10 sqm.	.....	0.75 liters.	
	(ii) Paint for finishing coat	10 sqm.	.....	0.50 liter.	
7.	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with ready mixed paint in all shades.	10 sqm.	.....	0.75 liter.	

	Description	Unit	Quantity					
			Aluminium paint	Ready mixed bituminous paint	Acid proof paint	Coal tar paint	Black japan paint	Rem
8.	Painting two coat (excluding priming coat) on new steel and other metal surfaces with aluminium paint.	10 sq.m	0.80 liter.	...	...	...	...
9.	Painting one coat (excluding priming coat) over previously painted steel and other metal surfaces with aluminium paint.	10 sq.m	0.46 liter.	...	...	...	...

10.	Painting three coat (excluding priming coat) on new steel and other metal surfaces with ready-mixed bituminous paint.	10 sqm.	..	1.52 liter.				
11.	Painting two coats with ready mixed bituminous paint.	10 sqm.	....	0.95 liter.	...	...	....
12.	Painting one coat with ready mixed bituminous paint	10 sqm.	...	0.57 liter.	...	...	....
13.	Painting two coat with Acid proof paint	10 sqm.	...	....	1.16 litre	...	...
14.	Painting one coat with Acid proof paint,	10 sqm.	....	....	0.70 litre	...	....
15.	Painting two coats with coal tar paint	10 sqm.	....	....	...	0.95 liter.	....
16.	Painting one coat with coal tar paint	10 sqm.	....	....	...	0.57 liter.	...	
17.	Painting one coat with black Japan paint	10 sqm.	....	...	...	...	0.70 liter.	

	Description	Unit	Quantity		
			Superior ready mixed paint		Remarks
18.	Painting two coat on G.I. sheet with superior ready mixed paint (any shade)	10 sqm	0.80 liter.		
19.	Painting one coat on G.I. sheet superior ready mixed paint (any shade)	10 sqm.	0.46 liter.		

	Description	Unit	Quantity			
			Ready mixed red lead paint	Ready mixed bituminous paint	Aluminium paint	Rem
20.	Applying priming coat on external surface of new rain water, soil, waste and vent pipes and fitting, with ready mixed paint brushing red lead:					
	(a) 50mm	10m	0.10 litre	....	....
	(b) 100mm	10m	0.14 litre	....	....
	(c) 100mm	10m	0.18 litre	....	....
	(d) 150mm	10m	0.27 litre.	....	....

21.	Painting three coat (excluding priming coat) on external surfaces of new rain water, soil, waste, and vent pipes and fittings with ready mixed bituminous paint brushing, black anticorrosive:					
	(a) 50mm	10m	...	0.27 liter	...	
	(b) 100mm	10m	...	0.39 liter	...	
	(c) 100mm	10m	....	0.51 liter.	....
	(d) 150mm	10m	....	0.75 liter.	....
22.	Painting one coat (excluding priming coat) on previously painted rain water, waste and vent pipes and fittings with ready mixed bituminous paint brushing black anticorrosive) :					
	(a) 50mm	10m	...	0.10 liter	...	
	(b) 100mm	10m	...	0.15 liter	...	
	(c) 100mm	10m	....	0.19 liter.	....
	(d) 150mm	10m	....	0.28 liter.	....
23.	Painting two coat (excluding priming coat) on external surfaces of new pain water, soil waste and vent pipes and fittings with Aluminium paint.					
	(a) 50mm	10m	...	...	0.14 liter	
	(b) 100mm	10m	...	...	0.20 liter	
	(c) 100mm	10m	....	....	0.27 liter.	
	(d) 150mm	10m	....	....	0.40 liter.	
24.	Painting one coat (excluding priming coat) on previously painted rain water, soil waste and vent pipes fittings with Aluminium paint:					
	(a) 50mm	10m	...	...	0.08 liter.	
	(b) 100mm	10m	...	...	0.12 liter	
	(c) 100mm	10m	....	....	0.15 liter	
	(d) 150mm	10m	....	....	0.23 liter.	

Item No.	Description	Unit	Quantity						
			Paint Remover	Caustic Soad	Kerosene Oil	Primer surfacer	Wood primer pink	Aluminium primer	Enamel primer
	WOOD AND WOOD BASED MATERIALS								
25.	Removing old paint or polish from wood and wood based surfaces with:								
	(i) Paint remover	10 sqm.	0.70 liter.	....	...	...	...	...	..
	(ii) Caustic soda	10 sqm.	....	0.73 liter	....	....	...	....	...
	(iii) Kerosence oil	10 sqm.	....	....	1.00 liter.	....	....	....	...
26.	Apply priming coat over new wood and wood based surfaces with:								
	(i) Primer surfacer	10 sqm.	...	...	...	0.75 liter.	....	...	...
	(ii) Ready mixed paint brushing wood primer pink	10 sq.m	...	...	...	....	0.75 liter.	...	...
	(iii) Ready mixed paint aluminium brushing primer	10 sqm	....	....	...	....	....	0.75 liter	....
	(iv) Ready mixed paint brushing priming for enamel	10 sq.m	....	...	...	...	...	...	0.75 liter.

Item No.	Description	Unit	Quantity			
			Liquid wood filler	Oil wood preservative	Enamel paint	Rem
27.	Applying priming coat over new wood based surfaces with liquid wood filler.	10 sqm.	0.75 liter.	....	....
28.	Applying two coats of wood preservative on new wood based surfaces.	10 sqm.	....	1.00 liter.	....

29.	Applying one coat of wood preservative on new wood and wood based surfaces.	10 sq.m	.....	0.81 liter.	.....
30.	Painting two coats (excluding priming coat) on new wood and wood based surfaces with enamel paint.	10 sq.m	.....	....	1.00 liter.	
31.	Painting one coat with enamel paint	10 sqm.	....	....	0.61 liter.	

Item No.	Description	Unit	Quantity			
			Ready mixed paint	Enamel paint under coating	Flat oil paint	Rem
32.	Painting two coats (excluding priming coat) with ready mixed paint in all shades.	10 sqm.	1.25 liter.	....	....
33.	Painting one coat with ready mixed paint in all shades	10 sqm.	0.75 liter.	.....	....
34.	Painting two coats, under coat with enamel paint and finishing coat with flat oil paint.	10 sqm.	...	0.61 liter.	0.65 liter.	
35.	Painting one coat with flat oil paint	10 sqm.	....	...	0.65 liter.	

Item No.	Description	Unit	Quantity					
			Spirit	Sellac	Flatting varnish	Varnish	Raw linseed oil	Rem.
36.	Applying spirit or oil stain any colour on wood and wood based surfaces.	10 sqm.	1.63 liter.	0.245 kg.	....	....	....
37.	Varnishing two coats (excluding priming coat) on wood and wood based surfaces under coating with flatting varnish and finishing coat with varnish.	10 sq.m	...	...	0.70 liter	1.26 liter.	....
38.	Varnishing one coat on previouisly varnished surface	10 sq.m	....	....	....	0.75 liter.	.....

39.	Polishing two coats with French polish on new wood and wood based surfaces.	10 sqm.	1.60 litr	0.245 kg.	....	...	...
40.	Polishing one coat with french polish	10 sqm.	0.95 litr	0.130 kg.	....	.....	.....
41.	Applying two coats of oil with raw linseed oil	10 sq.m	...	...	...	...	1.16 litr.	
42.	Applying one coat of oil with raw linseed oil	10 sqm	...	....	...	...	0.70 litr.	

Item No.	Description	Unit	Quantity				
			Bees Wax	Linseed Oil	Turpentine Oil	Varnish	Rem.
43.	Applying wax polish on new wood and wood based surfaces with bees wax polish in proportion of 2:1:5:1:0.50 (2 bees wax : 1.5 linseed oil : 1 turpentine oil : 0.5 varnish by weight)	10 sqm.	0.50 kg.	0.36 litr.	0.25 litr.	0.12 litr.	
44.	Applying wax polish on previous wax polished surface with bees wax polish of 2:1:5:1:0.5 (2 bees wax : 1.5 linseed oil : 1, Turpentine oil 0:05. Varnish by weight)	10 sq.m	0.50 kg.	0.18 litr.	0.12 litr	0.06 litr.	

Item No.	Description	Unit	Quantity					
			Coal Tar Paint	Black Japan Paint	Coal Tar	Kerosene Oil	Ceresole oil	Rem.
45.	Painting two coats with coal tar black paint	10 sqm.	0.95 litr	....	....	....	....
46.	Painting one coat with coal tar black paint	10 sqm.	0.57 litr.	...	...	...	....
47.	Painting one coat with black Japan paint	10 sqm.	....	0.70 litr.	....	...	....

48.	Coal tarring two coat on new wood and wood based surfaces using 0.16 and 0.12 litres of coal tar per square meter in first and second coat respectively.	10 sqm.	...	...	2.80 litr.	0.50 litr.	....
49.	Coal tarring one coat using 0.1 litre coal tar per square meter	10 sqm.	...	...	1.20 litr.	0.20 litr.	.....
50.	Treatment of timber piles in a hot mixture of tar and ceresota oil in tah proportion of 20 kg. Coal tar hitch to 25 litres of cresota oil.	10 sq.m	3.34 litr.	....	...	...	4.23 litr.	

Item No.	Description	Unit	Quantity			
			Ready mixed primer	Linseed oil	Flat wall paint	Rem.
	Concrete Masonry, Asbestos cement and Plastered surfaces :					
51.	Applying priming coat on new concrete masonry/asbestos cement/plastered surfaces with:					
	(i) Ready mixed primer	10 sq.m	0.84 litr.	....	....
	(ii) Liniseed oil	10 sq.m	....	1.16 litr.	.....
52.	Spray painting two coat on new concrete/masonry/asbestos cement/plastered surfaces with wall paint.	10 sqm.	...	...	1.10 litr.	
53.	Spray painting one coat on new concrete/masonry/asbestos cement/plastered surfaces with flat wall paint	10 sq.m	....	...	0.65 litr.	

Item No.	Description	Unit	Quantity			
			Ready mixed primer	Enamel paint	Wax polish	Rem.
54.	Floor painting, two coats on new concrete/ masonry plaster surface with ready mixed paint in all shades.	10 sqm.	1.48 liter	....	.....
55.	Floor painting one coat on previously painted concrete/masonry/plaster surface with ready mixed paint in all shades	10 sq.m	0.90 liter.	....	....
56.	Floor painting two coat with floor enamel paint	10 sq.m	...	1.48 liter.	....
57.	Floor painting one coat with floor enamel paint	10 sq.m	....	0.90 liter.	....
58.	Applying wax polish on new concrete/masonry floor with wax polish	10 sq.m	....	...	0.10 kg.	
59.	Applying wax polish on previously polished concrete/masonry/floor with wax polish	10 sqm.	....	....	0.07 kg.	

Item No.	Description	Unit	Quantity		
			Coal tar	Kerosene oil	Remarks
60.	Coal tarring one coat on previously painted concrete/masonry/asbestos cement/plastered surfaces with coat tar.	10 sq.m	1.20 liter	1.20 liter	

Item No.	Description	Unit	Quantity			
			Black Japan	Ready mixed paint	Synthetic enamel paint	Rem.
	Miscellaneous :					
61.	Writing letters or figures on a surface with black Japan paint/ready mixed/synthetic enamel paint	100 letters/fig . Of 15 cm height	0.56 liter	0.56 liter	0.56 liter	
62.	Painting index hand nominal size or arrows with black Japan/Ready mixed/Synthetic enamel paint	100 figures of 40 cm long	1.68 liter	1.68 liter	1.68 liter.	
63.	Re-lettering with black Japan/Ready mixed/Synthetic enamel paint	100 letters of 15 cm height	0.37 liter	0.37 liter	0.37 liter.	

Item No.	Description	Unit	Quantity					Rem.
			Ready mixed paint	Patent knotting	Transparent wood filler	Road marking paint	Black Anti corrosive paint	
64.	Obscuring glass one coat with ready mixed paint	10 sq.m	0.60 liter	...	....	....	....
65.	Sealing surfaces previously treated with tar, wood preservative etc.	10 sqm.	....	0.55 liter.	....	...	....
66.	Coating external surface of soil pipes including fittings with the coat of knotting (pipes already dipped in bituminous composition)	10 sqm.	..	...	0.71 liter.	...	....
67.	Painting line dashes, arrows, letters etc, on roads air fields and the like in one coat with road marking point.	10 sqm.	...	...	....	1.48 liter.	....
68.	Painting line dashes, arrows, letters etc, on roads, air fields and the like in one coat with road marking point.	10 sqm.	...	....	....	0.90 liter.	....

69.	Painting three coat with black Anticorrosive bitumastic paint	10 sq.m	.....	....	...	....	1.52 liter.	
70.	Painting one coat with black Anticorrosive bitumastic paint	10 sqm.	...	...	...	...	0.57 liter.	
71.	Painting two coat with black anticorrosive bitumastic paint.	10 sqm.	...	...	...	...	0.95 liter.	

Item No.	Description	Unit	Quantity			Remarks
			Enamel paint	Raw Linseed oil		
72.	Painting (one coat) picture or curtain rail with superior quality enamel paint in all shades.	10 sqm	0.79 liter.	....	
73.	Painting fire places and iron grating with enamel paint in all shades.	10 sqm.	0.50 liter.	....	
74.	Oiling (one coat) on picture or curtain rail with raw linseed oil	10 sqm.	...	0.70 liter.		

Item No.	Thickness of lime Plaster	Condition of surface	Thickness			Quantity of Plaster			
			Backing coat	Finishing coat	Unit	1 st backing coat	2nd backing coat	Finishing coat	Re m.
		Fair/Rough	mm	mm	Sqm	cum.	cum	cum	
Chapter 17-Plastering and pointing:									
1.	15mm thick (single coat)	Fair	..	15	10	...	...	0.165	
2.	15mm thick (single coat)	Rough	....	15	10	....	...	0.172	
3.	20mm thick (two coat)	Fair	10	10	10	0.114	....	0.110	
4.	25mm thick (two coat)	Rough	15	10	10	0.172	....	0.110	
5.	25mm thick (two coat)	Fair	15	10	10	0.165	....	0.110	
6.	30mm thick (two coats)	Rough	20	10	10	0.227	....	0.110	
7.	35mm thick (two coats)	Rough (1 st) (2 nd)	15+10	10	10	0.172	0.110	0.110	

The quantities of Lime, sand Surkhi and cement required for plastering may be worked out on the basis of proportion of mortar as laid down in sub head "mortar"

Item No.	Thickness of cement Plaster	Condition of surface	Thickness			Quantity of Plaster			
			Backing coat mm	Finishing coat mm	Unit Sqm	1 st backing coat cum.	2 nd backing coat cum	Finishing coat cum	Re m.
8.	6 mm thick	Fair	....	6	10	....	...	0.072	
9.	10mm thick (single coat)	Fair	.....	10	10	...	...	0.114	
10.	15mm thick (single coat)	Rough	....	15	10	....	....	0.172	
11.	15mm thick (single coat)	Fair	....	15	10	...	...	0.165	
12.	20mm thick (single coat)	Rough	....	20	10	...	...	0.224	
13.	20mm thick (two coat)	Rough	15	5	10	0.176	...	0.055	
14.	20mm thick (two coat)	Fair	15	5	10	0.169	....	0.055	

Item No.	Thickness of Mud Plaster	Unit	Quantity				
			Mud Mortar	Good Earth or fine clay	Chopped straw	Bitumen Cut back	Re m.
15.	15mm thick (with bitumen cut back) Refer item No. 17.73	10 sqm.	0.169 cum	....	9.5 kg.	11.5 k.	
16.	20mm thick Refer (item No. 17.71)	10 sqm.	.....	0.226 cum	7.5 kg	.....
17.	25mm thick Refer (item No. 17.70)	10 sqm.	....	0.281 cum	9.00 kg.	.....

Item No.	Thickness of Mud Plaster	Unit	Quantity			
			Cement Mortar	Hydrated Lime	Aggregate 10mm	Remarks
18.	Rough cast plastering Refer (item No. 17.78)	10 sqm.	0.224 cum.	....	0.10 cum	
19.	Pebble dash Plastering Refer (item No. 17.79)	10 sqm.	0.224 cum	9.28 kg.	0.10 cum	

The quantities of Lime, sand Surkhi and cement required for plastering may be worked out on the basis of proportion of mortar as laid down in sub head "mortar"

Item No.	Thickness of Plaster	Unit	Quantity			Remarks
			Flush Band	Sunk Band	Raised Band	
20.	15mm thick (Refer item No. 17.84)	Per Cm. With Per mtr.	0.00017 cum.	0.00017 cum.	0.00017 cum.	
21.	15 mm thick (Refer Item No. 17.85)	10 sqm.	0.17 cum	0.17 cum	0.17 cum	
22.	20mm thick (Refer item no. 17.86)	Per Cm. With Per mtr.	0.00023 cum.	0.00023 cum	0.00023 cum.	
23.	20mm thick (Refer item no. 17.87)	10 sqm.	0.224 cum	0.224 cum	0.224 cum	

Item No.	Thickness of Mud Plaster	Unit	Quantity (mortar)				Remarks
			Flush Pointing	Ruled pointing	Cut or weather struck pointing	Raised and cut pointing	
	POINTING						
24.	Pointing on brick work	10 sqm.	0.03 cum.	0.03 cum	0.03 cum	0.046 cum	
25.	Pointing on Brick Flooring						
	(i) Flat brick flooring	10 sqm.	0.020 cum	0.02 cum	...	...
	(ii) Brick on edge flooring	10 sqm.	0.03 cum	0.03 cum	....	....
26.	Pointing on tile brick	10 sqm.	0.046 cum	0.046 cum	0.046 cum	....
27.	Pointing on stone work:						
	(i) Square rubble coursed or uncoursed or ashlar masonry or concrete block wallin	10 sqm.	0.023 cum	0.023 cum	....	0.038 cum	
	(ii) Random rubble uncoursed stone masonry	10 sqm.	0.023 cum	0.023 cum	...	0.038 cum	

Item No.	Description	Unit	Quantity		
			Lime	Chalk whitening	Remarks
	WHITE WASHING, COLOUR WASHING, DISTEMPERING AND OTHER FINISHES:				
	White washing with lime:				
28.	White washing with lime n undecorated wall surface (two coats)	10 sqm.	0.02 qtl.	....
29.	White washing with lime on decorated wall surfaces (one coats)	10 sqm	0.01 qtl.	...	
30.	Colour washing on undecorated walls surfaces (two coats)	10 sqm.	0.03 qtl.	....
31.	Colur washing with lime on decorated walls. (one coat)	10 sqm.	0.01 qtl.	....
	White Washing with chalk whitening				
32.	White washing with chalk whitening on undecorated cloth or Hessian cellings (two coats)	10 sqm.	...	2.0 kg.	
33.	White Washing with Chalk whitening on decorated Cloth Hessian ceiling (one coat)	10 sqm.	....	1.00 kg.	

Item No.	Description	Unit	Quantity				
			Lime	Hirmachi	Cement	Linseed Oil	Rem.
	Hirmachi Colour Washing:						
.....	Hirmachi colour wash on undecorated wall surfaces (two coats)	10 sqm.	0.02 Qtl.	0.25 kg.	....	....

...	Hirmachi colour wash on decorate wall surfaces (one coat)	10 sqm.	0.01 qtl.	0.13 kg.	....	....
	Cement Washing:						
36.	Cement washing with Portland cement slurry on undecorated wall surfaces (one coat)	10 sqm.	....	...	1.07 kg.	....
37.	Cement washing with portland cement slurry mixed with boiled linseed oil on iron work (one coat)	10 sqm	....	....	1.07 kg.	0.89 Ltr.	

Item No.	Description	Unit	Quantity				
			Distemper Primer	Primer	Dry Distemper	Whiting	Rem.
	Distempering :						
38.	Applying one coat of distemper Primer of approved brand and manufacture on wall surfaces after thoroughly brushing the surface from mortar dropping and other foreign matter and including preparing the surface even and sand papered smooth.	10 sqm.	0.81 liter.	....	...	....
39.	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on undecorated wall surfaces including priming coat of whiting.	10 sqm.	...	...	1.00 kg.	1.00 kg.	
40.	Distempering with dry distemper of approved brand and manufacture (one coat)	10 sqm.	....	...	0.60 kg.	.....

41.	Extra for every subsequent coat of distempering with dry distemper of approved brand manufacture.	10 sqm.	0.40 kg.		
-----	---	---------	-----	------	----------	--	--

Item No.	Description	Unit	Quantity			
			Distemper Primer	Distemper	Water proofing cement paint	Rem.
42.	Distempering (two coat) with oil bound washable distemper of approved brand and manufacture and of required shade on underdecorated wall surfaces and including a priming coat with Alkali resistance primer.	10 sq.m	0.81 liter.	1.50 kg.	....
43.	Distempering (one coat) with oil bound washable distemper of approved and manufacture and of required shade on decorated wall surface.	10 sqm.	...	1.00 kg.	....
	CEMENT PAINTING					
44.	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surfaces (two coats)	10 sqm.	....	....	3.00 kg.	
45.	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surfaces (one coats)	10 sqm.	....	...	1.80 kg.	

46.	Extra for every subsequent coat of water proofing cement paint of approved brand manufacture	10 sqm.	1.20 kg.	
-----	--	---------	-----	-----	----------	--

Item No.	Description	Unit	Quantity	
			Plastic Emulsion Paint	Rem
	PLASTIC EMULSION PAINTING			
47.	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces.	10 sqm.	1.21 liter.	
48.	Wall painting (one coat) with plastic emulsion of approved brand manufacture on decorated wall surfaces.	10 sqm.	0.73 liter.	
49.	Extra for every subsequent coat of wall painting with plastic emulsion paint of approved brand and manufacture.	10 sqm.	0.49 liter.	

Item No.	Description	Unit	Quantity	
			Of cement to be used per unit qty of work in qtls.	Rem
	Chapter 18-Repairs to Buildings			
1.	Renewing wooden battens in roofs, including making good the holes in walls	Cum.	0.36	
2.	Renewing wooden beams not exceeding 4.00 meters in length in roofs including making good the holes in wall	Cum.	0.13	
3.	Renewing wooden beams (above 4 meters and upto 5.0 meter length) in roofs including making good the holes in walls.	Cum.	0.11	
4.	Providing and fixing M.S. fan clamps of standard shape and size in existing RCC slab including cutting chase and making good.	Each	0.016	
5.	Repair to plaster in patches of 2.50 square meter under and upto 10 to 15 mm thick including cutting the patch in proper shape and re-plastering the surface of wall including disposal to the dumping ground with a lead of 10 meters with.			
	(a) Cement mortar 1:3 (1 cement : 3 sand)	10 sq.m	0.88	

	(b) Cement mortar 1:4 (1 cement : 4 sand)	10 sqm.	0.65	
	(c) Cement mortar 1:5 (1 cement : 5 sand)	10 sqm.	0.53	
	(d) Cement mortar 1:6 (1 cement : 6 sand)	10 sqm.	0.43	
	(e) Cement lime mortar 1:1:6 (1 cement : 1 lime : 6 sand)	10 sqm.	0.43	
	(f) Cement lime mortar 1:2:9 (1 cement : 2 lime : 9 sand)	10 sqm.	0.29	

Item No.	Description	Unit	Quantity	
			Of cement to be used per unit qty of work in qtls.	Rem
	Chapter 19-Miscellaneous Works :			
1.	Making plinth protection with flag stone flooring 40mm thick over a bed of 15 cm well rammed earth and cement pointing 1:3 (1 cement : 3 sand) in proper shape as per instructions of Engineer-in-charges.	Sqm.	0.0117	
2.	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) including finishing the top surface of concrete smooth.	Sqm.	0.16	
3.	Providing plinth protection with bricks in cement mortar 1:6(1 cement : 6 sand) including pointing top surface of bricks with cement mortar 1:2 (1 cement : 2 sand)			
	(a) With modular bricks size 19cm x9cm x9cm.	Sqm.	0.0895	
	(b) with bricks size 22.9 cm x11.2 cm x7.0 cm	Sqm.	0.0627	
4.	Brick edging (brick laid on edge) to plinth protection with bricks including grouting with cement mortar 1:4 (1 cement : 4 sand)			
	(a) with modular bricks size 19cm x 9cm x9 cum	Mtr.	0.0114	
	(b) with bricks size 22.9 cm x 11.2 cm x7cm	Mtr.	0.0114	
5.	Providing and fixing 1.80 meter RCC fencing posts with 6mm bar nibs as per approved design (earth work to be paid for separately)	Per post	0.107	
6.	Providing and fixing 2.0 meter long RCC fencing struts as per approved design (earth work to be paid for separately)	Per Strut.	0.067	

7.	1.30 meter high concrete rail and pale fencing with 1.80 meter RCC posts 2.25 meters rails and 1.25 meters pales, posts 2.5 meters C.C. blocks 450x450x550 mm of mix 1:5:10 (1 cement :5 sand : 10 graded stone aggregate 40mm nominal size) including concrete work and cost for RCC posts, rails and pales (earth work to be paid separately)	Mtr.	0.119	
8.	Providing chases 75mm wide 50mm deep (average size) in walls for conduit pips and filling the same with cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm and down gauge) after the conduit pipe is laid (excluding the cost of conduit pipes)	Mtrs.	0.007	