

ITEM - IDENTIFICATION - INDEX

Sr. No.	Subject	Item No.
1	Basic Rates of Material.	1001 - 1596
2	Mortar	1601 - 1611
3	Labour	1701 - 1722
4	Hire charges & Machinery	2001 - 2011
5	Carriage.	3001 - 3434
6	Earth Work	4001 - 4033
7	Masonry work	5001 - 5048
8	Plain Concrete work	6001 - 6027
9	Reinforced Cement concrete.	6030 - 6076
10	Wood work	7001 - 7157
11	Steel & Aluminum work	8001 - 8049
12	Flooring	9001 - 9084
13	Roofing & Ceiling	10001 - 10089
14	Plastering & Finishing	11001 - 11118
15	Dismantling, Demolishing & repair work.	12001 - 12072
16	Land Scaping & Horticulture	13001 - 13012
17	Water Supply & Sewage.	15601 - 15758
18	Miscellaneous work	18001 - 18045

nod/index identification

Basic rate for Material				
Sr. No.		Description	Unit	Rate
1001		Precast cement concrete solid blocks of compressive strength 70kg/cm²		
	a	PCC (30X20X15)	100 nos	2415.00
	b	PCC (40X20X15)	100 nos	2500.00
	c	PCC (30X23X15)	100 nos	2415.00
	d	PCC (30X20X10)	100 nos	2500.00
1002		Precast cement concrete hollow blocks of compressive strength 70kg/cm²		
	a	PCC (40X20X10)	100 nos	2900.00
	b	PCC (40X20X20)	100 nos	4200.00
	c	PCC (40X20X15)	100 nos	3400.00
1003		Precast cement concrete hollow blocks of compressive strength 50kg/cm²		
	a	PCC (40X20X10)	100 nos	2000.00
	b	PCC (40X20X20)	100 nos	4000.00
	c	PCC (40X20X15)	100 nos	3000.00
1004		Bricks class design 75 kg/cm ² (1st class wire cut)	1000 nos	6500.00
1005		Bricks class design 75 kg/cm ² (1st class wire cut)	1000 nos	4000.00
1006		Fly ash bricks		
	a	225X150X80MM	1000 nos	4180.00
	b	230X110X80MM	1000 nos	3540.00
	c	200X95X95MM	1000 nos	3540.00
1007		Laterite stone		
	a	(35 x 23 x 16)	100 nos	1075.00
	b	(35 x 30 x 16)	100 nos	1100.00
	c	(35 x 20 x 16)	100 nos	1100.00
1008		Patradevi stone (35 x 30 X 16)	100 nos	3850.00
1009		Patradevi stone (60 x 40 X 16)	100 nos	16000.00
1010		Stone soling	cu.m	300.00
1011		Garden soil	cu.m	145.00
1012		Granitic / Basaltic aggregate		
	a	50 mm	cu.m	811.00
	b	40 mm	cu.m	811.00
	c	32 mm	cu.m	811.00
	d	20 mm	cu.m	963.00
	e	12.5 mm	cu.m	963.00
	f	10 mm	cu.m	963.00
1013		River pebbles	cu.m	425.00

1014	Laterite aggregate (60 / 50 mm)	cu.m	400.00
1015	Laterite aggregate (40mm & below)	t	400.00
1016	Cement	cu.m	6060.00
1017	Sand (river/manufactured: Coarse/fine)	cu.m	413.00
1018	Jungle wood (planks)	cu.m	18000.00
1019	Jungle wood (scantlings)	cu.m	18000.00
1020	Planks	cu.m	18000.00
1021	Scantlings	cu.m	18000.00
1022	Jamba wooden battens	cu.m	18000.00
1023	Bitumen	t	39473.01
1024	Granitic / Basaltic boulders 150-200	cu.m	624.00
1025	Laterite boulders 150-200 mm	cu.m	96.00
1026	Kerosene	lt	30.00
1027	Steam coal	qtl	200.00
1028	Cement (white)	t	16860.00
1029	Lime	t	550.00
1030	Mud	cu.m	120.00
1031	Marble dust	cu.m	1200.00
1032	G.I Sheet 8" x 3" 2.5 SWG	sq.m	600.00
1033	Mild steel (SAIL, TATA. VIZAG)	t	43050.00
1034	HYSD Reinforcement / TMT Steel reinforcement from secondary producers	t	43302.00
1035	CRS-500 Reinforcement (SAIL, TATA. VIZAG)	t	51135.00
1036	TMT Steel reinforcement (SAIL, TATA. VIZAG)	t	49035.00
1037	Steel bars	t	40999.56
1038	Cover blocks	each	50.00
1039	Binding wire	kgs	55.00
1040	Non- Asbestos multi purpose fibre cement board 6mm thick	sq.m	210.00
1041	Plasticizers	lt	35.00
1042	Palisade - Rustonil	lt	425.00
1043	Precast reinforced concrete door frames	m	245.00
1044	Copper	kgs	290.00
1045	1st class teakwood(Scantling)	cu.m	90000.00
1046	1st class teakwood(Planks)	cu.m	95000.00
1047	2nd class teakwood(Scantling)	cu.m	80000.00
1048	2nd class teakwood(Planks)	cu.m	85000.00
1049	1st class mattiwood(Scantling)	cu.m	47000.00
1050	1st class mattiwood(Planks)	cu.m	52000.00
1051	2nd class mattiwood(Scantling)	cu.m	43000.00
1052	2ndclass mattiwood(Planks)	cu.m	48000.00

1053		Nanowood (Planks)	cu.m	31000.00
1054		3 mm glass	sq.m	270.00
1055		Superior glass	sq.m	320.00
1056		Flush door shutters(1st class teak ply both faces)		
	a	38 mm	sq.m	2170.00
	b	35 mm	sq.m	1988.00
	c	30 mm	sq.m	1820.00
	d	25mm	sq.m	1722.00
1057		Flush door shutters(Commercial ply both faces)		
	a	38 mm	sq.m	2170.00
	b	35 mm	sq.m	1988.00
	c	30 mm	sq.m	1820.00
	d	25mm	sq.m	1722.00
1058		Flush shutters(1 face Comm,1 face teak ply)		
	a	38 mm	sq.m	1820.00
	b	35 mm	sq.m	1680.00
	c	30 mm	sq.m	1540.00
	d	25mm	sq.m	1400.00
1059		Flush door shutters deco type core of particle board		
	a	38 mm(1st class teak ply both faces)	sq.m	1813.00
	b	35 mm	sq.m	1785.00
	c	30 mm	sq.m	1680.00
	d	25mm	sq.m	1540.00
1060		Flush door shutters deco type core of particle board		
	a	38 mm(Commercial ply both faces)	sq.m	2270.00
	b	35 mm	sq.m	1992.20
	c	30 mm	sq.m	1586.20
	d	25mm	sq.m	1040.20
1061		Flush door shutters deco type core of particle board		
	a	38 mm(1 face Comm,1 face teak ply)	sq.m	1878.80
	b	35 mm	sq.m	1554.00
	c	30 mm	sq.m	1218.00
	d	25mm	sq.m	945.00
1062		Flush door shutters (Cellular core const)		
	a	38 mm(1st class teak ply both faces)	sq.m	1813.00
	b	35 mm	sq.m	1785.00
	c	30 mm	sq.m	1680.00

	d	25mm	sq.m	1540.00
1063		Flush door shutters Cellular core construction)		
	a	38 mm(Comm. ply both faces)	sq.m	2090.00
	b	35 mm	sq.m	1980.00
	c	30 mm	sq.m	1870.00
	d	25mm	sq.m	1760.00
1064		Flush door shutters (Cellular core construction)		
	a	38 mm(1 face Comm,1 face teak ply)	sq.m	2090.00
	b	35 mm	sq.m	1980.00
	c	30 mm	sq.m	1870.00
	d	25mm	sq.m	1760.00
1065		Anodized aluminum hinges		
	a	100 mm x 75 x 4 mm	ten	650.00
	b	75 x 45 x 3.5 mm	ten	350.00
	c	50 x45 x 3 mm	ten	192.00
	d	Coconut rafters	ten	110.00
1066		Frosted glass 3 mm	ten	472.00
1067		Iron hinges		
	a	100x 58x1.7 mm	ten	250.00
	b	75 x 47x1.5 mm	ten	200.00
	c	50x37x1.5mm	ten	180.00
1068		Iron screws 40 mm	ten	296.00
1069		Iron screws 30 mm	ten	260.00
1070		Iron screws 20 mm	ten	192.00
1071		Nickel plated piano hinges	each	70.00
1072		C.P brass screws 25 mm	each	180.00
1073		4 mm thick teak ply	each	220.00
1074		4mm thick hard board	each	100.00
1075		M.S round/Square bars	t	36500.00
1076		Priming coat with wood preservative	lt	120.00
1077		Jungle wood ballies 50 mm 2.75 mtrs long.	each	34.00
1078		Jungle wood ballies 100 mm 3.66 mtrs long.	each	110.00
1079		Jungle wood ballies 125 mm 3.66 mtrs long.	each	125.00
1080		Jungle wood ballies150 mm 3.66 mtrs long.	each	180.00
1081		Novapan panels 12 mm	sq.m	325.00
1082		Novapan panels 18 mm	sq.m	415.00
1083		Wire guage	kgs	181.80
1084		4mm thick A.C sheet	sq.m	225.00
1085		M.S. flats	qtl	3650.00

1086	Sintex door	each	3500.00
1087	Neeru	kg	8.00
1088	Aluminum paint	lt	190.00
1089	Anti corrosive Bituminous paint	lt	120.00
1090	Black Japan paint	lt	100.00
1091	Synthetic enamel paint	lt	165.00
1092	Emulsion plastic	lt	210.00
1093	Flat wall paint	lt	120.00
1094	Ordinary ready mixed paint	lt	165.00
1095	Synthetic enamel paint	lt	165.00
1096	Transparent wood filler	lt	165.00
1097	Putty	kg	42.00
1098	Plastic roofing compound	kg	60.00
1099	Dry distemper	kg	25.00
1100	Oil bound washable distemper	kg	70.00
1101	Linseed oil (raw)	lt	110.00
1102	Cement primer	lt	120.00
1103	Distemper primer	lt	100.00
1104	Waterproofing material(plaster)	lt	95.00
1105	Waterproofing compound	lt	55.00
1106	Marble chips(3mm&down)	kg	500.00
1107	Unslaked lime	qtl	550.00
1108	Palisade -Ec Primer	lt	553.88
1109	Palisade -Ec 1 st coat	lt	578.35
1110	Palisade -Ec 2 nd coat	lt	681.00
1111	Solvent	lt	170.00
1112	Steel paint exp white	lt	165.00
1113	Red lead(ready mixed)	kg	80.00
1114	White lead	kg	95.00
1115	Waterproofing cement paint	kg	40.00
1116	Red Oxide	kg	148.00
1117	Wax polish	kg	290.00
1118	Ordinary Varnish flatting	lt	180.00
1119	Superior copal	lt	190.00
1120	Oil type (wood preservative)	lt	120.00
1121	Paint remover	lt	150.00
1122	Super Snowcem	kg	40.00
1123	Glue	kg	110.00
1124	Turpentine oil	lt	60.00
1125	Linseed (double boiled)	lt	110.00
1126	Pink or white primer	lt	110.00
1127	Metal primer	lt	110.00
1128	Marble Dust	kg	10.00
1129	Whiting	qtl	400.00

1130	Weather shield paint	lt	220.00
1131	Coal tar	lt	24.00
1132	Glass panes 3mm	sq.m	287.00
1133	Painting coal tar(2 coats)	sq.m	35.10
1134	Acrylic sheet 3 mm	sq.m	605.00
1135	M.S steel structural (SAIL, TATA. VIZAG only)(R.S.Joists)	m	45150.00
1136	Flats upto 10 mm thickness	m	45150.00
1137	Flats exceeding 10mm thickness	m	45150.00
1138	M.S Tees, Angles (SAIL, TATA. VIZAG)	m	45150.00
1139	M.S.Plates (SAIL, TATA. VIZAG)	m	48562.50
1140	M.S.Rivets	qtl	6000.00
1141	M.S.Hooks	each	172.00
1142	Steel Straining bolts	qtl	7500.00
1143	M.S .Rolling Shutter	sq.m	1500.00
1144	Top cover 24 SWG	m	350.00
1145	Spring 27.5 cm long	each	700.00
1146	Ball bearings Grade 2	each	500.00
1147	Locking arrangement with handle	each	250.00
1148	Chain & crank upto 16.80 Sq.m	sq.m	1900.00
1149	Chain & crank above 16.80 Sq.m	sq.m	2000.00
1150	M.S. steel sheets (SAIL, TATA. VIZAG)	m	41000.00
1151	Aluminum	kg	210.00
1152	G.I pipe 50 mm dia	m	325.00
1153	M.S round bars upto 10 mm dia (SAIL, TATA. VIZAG)	m	43050.00
1154	M.S round bars above 10 mm dia (SAIL, TATA. VIZAG)	m	43050.00
1155	Steel frame 85 x 60 mm	sq.m	1620.00
1156	Steel frame 105 x 60 mm	sq.m	976.50
1157	Steel frame 125 x 60 mm	sq.m	1071.00
1158	Fixing windows with lugs	sq.m	70.00
1159	Steel doors (fixed)	sq.m	1512.00
1160	Steel doors (single leaf)	sq.m	1701.00
1161	Steel doors (double leaf)	sq.m	1557.00
1162	Steel windows(fixed)	sq.m	1066.50
1163	Brass casement window fastener	each	100.00
1164	Brass peg stay	each	150.00
1165	Pulley (38 mm)	each	15.00
1166	Pulley (25 mm)	each	10.00
1167	Fuse powder	kg	52.00
1168	Steel bolts& nuts above 30 cm	qtl	9000.00
1169	Steel bolts& nuts bel 30 cm	qtl	9000.00

1170	Collapsible steel shutters	sq.m	1605.50
1171	M.S cleats	each	302.40
1172	M.S square bars (SAIL, TATA. VIZAG)	m	42525.00
1173	Steel vent(side hung)	sq.m	1476.00
1174	Steel vent(top hung)	sq.m	1512.00
1175	Steel vent(centre hung)	sq.m	0.92
1176	White glazed tiles 8"x8"	sq.m	180.00
1177	White glazed tiles 8"x12"	sq.m	210.00
1178	Colour glazed tiles 8'x12"	ten	220.00
1179	Precast terrazzo tiles(light)	sq.m	345.00
1180	Precast terrazzo tiles(dark)	sq.m	300.00
1181	White Makhrana marble	sq.m	2600.00
1182	Marble(blue or black veins)	sq.m	2200.00
1183	Kotah stone(20 mm) machine polished	sq.m	390.00
1184	Cudhappa stone(20mm) machine polished	sq.m	323.00
1185	Shahabad stone polished	sq.m	340.00
1186	Ceramic glazed tiles (plain)12'x12"	sq.m	220.00
1187	Ceramic glazed tiles (col 8"X8")	sq.m	220.00
1188	Ceramic glazed tiles(col 12"x12")	sq.m	250.00
1189	Ceramic glazed tiles(col 8"x12")	sq.m	240.00
1190	Metallic floor hardener	qtl	650.00
1191	High polymer modified quickset tile adhesive	kg	65.00
1192	Precast plain cement tactiles	sq.m	516.00
1193	Vinyl flooring	sq.m	581.50
1194	Red aggregate sand stone	sq.m	410.00
1195	Jet black polish granite	sq.m	2000.00
1196	Kota stone 35mm thick with nosing & 3 feet and above.	sq.m	480.00
1197	Ceramic glazed tiles(col 16"x16")	sq.m	320.00
1198	Pigment (light)	kgs	140.00
1199	Pigment(dark)	kgs	120.00
1200	Chequered terrazzo tiles(light)	sq.m	260.00
1201	Chequered terrazzo tiles(dark)	sq.m	210.00
1202	Marble chips(1-4mm)	qtl	425.00
1203	Marble chips(4-7 mm)	qtl	435.00
1204	Marble chips(7-10 mm)	qtl	445.00
1205	Fuse wire	each	12.00
1206	Vitrified tiles(glossy)plain/	sq.m	450.00
1207	Vitrified tiles(glossy)dark	sq.m	550.00
1208	Vitrified tiles(matt)	sq.m	700.00
1209	Vitrified tiles(antiskid)	sq.m	450.00

1210	Vitrified tiles(pavers)	sq.m	750.00
1211	Antiskid tiles(light)	sq.m	450.00
1212	Antiskid tiles(dark)	sq.m	540.00
1213	Pavers(interlock light dutyM25	sq.m	340.00
1214	Pavers(interlock heavy dutyM40	sq.m	750.00
1215	Pavers (interlock heavy duty) M30 grey cement	sq.m	600.00
1216	Pavers(interlock heavy duty)M30col cement	sq.m	700.00
1217	Ceramic	sq.m	300.00
1218	Antiskid (dark) 12 x 12 & 16 x 16	sq.m	360.00
1219	Antiskid (light) 12 x 12 & 16 x 16	sq.m	312.50
1220	Rustics (dark) 380 x 380	sq.m	450.00
1221	Rustics (light) 380 x 380	sq.m	425.00
1222	Marbonite (dark) 2 x 2	sq.m	1100.00
1223	Marbonite (light) 2 x 2	sq.m	525.00
1224	Marbonite (dark) 3 x 3	sq.m	1274.00
1225	Marbonite (light) 3 x 3	sq.m	941.00
1226	Scratch resistant (dark) 2 x 2	sq.m	625.00
1227	Scratch resistant (light) 2 x 2	sq.m	611.00
1228	Industrial Tiles (dark) 10 mm	sq.m	825.00
1229	Industrial Tiles (dark) 12 mm	sq.m	1050.00
1230	Industrial Tiles (light) 10 mm	sq.m	500.00
1231	Industrial Tiles (light) 12 mm	sq.m	730.00
1232	Tactile lines	sq.m	1600.00
1233	Tactile buttons	sq.m	1975.00
1234	Glazed wall tiles 200 x 300	sq.m	350.00
1235	Glazed wall tiles 300 x 450	sq.m	550.00
1236	Glazed wall tiles 300 x 600	sq.m	810.00
1237	A.C pipe 100 mm	each	80.00
1238	M.S barbed wire	qtl	5500.00
1239	G.I barbed wire	qtl	5500.00
1240	G.I staples	ten	250.00
1241	Hollow glass blocks 20x20x10	each	100.00
1242	Pile shoe 150 mm	each	120.00
1243	Pile shoe 2000 mm	each	140.00
1244	Brass peg rack	each	135.00
1245	G.I pipe 25 mm	m	170.00
1246	G.I pipe 40 mm	m	245.00
1247	G.I elbows 40 mm	each	12.00
1248	Aluminum strip edging	sq.m	180.00
1249	M.S plate 6mm	qtl	3950.00
1250	Creosote oil	lt	15.00
1251	Diesel	lt	38.81
1252	Grease	kg	290.00

1253	Black Japan paint	lt	100.00
1254	Mobil oil	lt	170.00
1255	Binding wire	kgs	55.00
1256	Asbestos sheet 4 mm		247.50
1257	Wooden cleats	each	30.00
1258	Lubricant	lt	250.00
1259	Bottle trap (C.P)	each	1180.00
1260	Fisher union 32 mm	each	136.20
1261	Fisher union 40 mm	each	167.70
1262	15 mm C.P. brass pillar tap	each	775.00
1263	Screws & plugs	each	10.00
1264	C.P brass shower rose 100 mm	each	210.00
1265	C.P brass shower rose 150 mm	each	448.00
1266	Lead connection pipe 30 cm	each	215.00
1267	Lead connection pipe 45 cm	each	240.00
1268	Single equal plain "Y"150 x 150 x 150	each	513.65
1269	Single equal plain "Y"100 x 100 x 100	each	457.45
1270	Single equal plain "Y"75 x 75 x 75	each	371.25
1271	Double unequal plain invert150 x 150 x 100x 100	each	746.62
1272	Double unequal plain invert100x100x75x75	each	441.74
1273	Double equal plain invert 150 mm	each	818.44
1274	Double equal plain invert 100 mm	each	323.85
1275	Double equal plain invert 75 mm	each	258.81
1276	Double unequal junction(plain)100x50	each	264.23
1277	Double unequal junction(plain)100x75	each	375.34
1278	Centrifugally C.I traps 100 inlet 100 mm outlet	each	162.6
1279	Centrifugally C.I traps 100 inlet 75 mm outlet	each	223.58
1280	Centrifugally C.I traps 100 inlet 50 mm outlet	each	250.95
1281	Pipe clips 110 mm	each	30.00
1282	Pipe clips 90 mm	each	27.00
1283	Synthetic enamel	each	260.00
1284	12.5 litres(low level)flushing cistern ceramic	each	1123
1285	Single equal "Y"(door)150 x 150 x 150	each	563.62
1286	Single equal "Y"(door)100 x 100 x 100	each	513.56
1287	Single equal "Y"(door)75 x 75 x 75	each	415.75
1288	Brass full way valve with wheel 65 mm	each	2632
1289	Double equal invert(door)150mm	each	878.04

1290	Double equal invert(door)100 mm	each	336.35
1291	Double equal invert(door) 75 mm	each	262.28
1292	Double unequal junction(door)100x50	each	288.65
1293	Double unequal junction(door)100x75	each	417.35
1294	Centri (door)y C.I traps 100 inlet 100 mm outlet	each	181.51
1295	Centri C.I traps(door) 100 inlet 75 mm outlet	each	243.16
1296	Centrifugally C.I traps 100 inlet 50 mm outlet	each	258.81
1297	100 mm S.W pipes	each	80.00
1298	S.C.I grating	each	23.00
1299	Double unequal Invt100 x 100x75 x 75(door)	each	1016.4
1300	Double unequal Invt100 x 100 x 75x 75(plain)	each	914.55
1301	Single un equal Invt100 x 100 x 75(plain)	each	676.2
1302	Single equal Invt 100 x 100 x 50 (plain)	each	450.45
1303	Single equal Invt 75 x 75 x 50(plain)	each	280
1304	S.C.I trap(nahni) 100 mm x 75 mm	each	393
1305	White glazed tiles	each	250.00
1306	Porcelain enameled bend	each	329.00
1307	65 mm S.C.I trap	each	435.00
1308	M.S holder bat clamps (32mm)	each	47.00
	H.D.P.E		
1309	H.D.P.E. pipes 25 mm	m	33.50
1310	H.D.P.E. pipes 32 mm	m	48.70
1311	H.D.P.E. pipes 30 mm	m	80.00
1312	H.D.P.E. pipes 40 mm	m	125.00
1313	H.D.P.E. pipes 50 mm	m	175.00
1314	H.D.P.E. pipes 65 mm	m	250.00
1315	H.D.P.E. 200 Litres capacity	each	1200
1316	H.D.P.E. 500 Litres capacity	each	3000
1317	H.D.P.E. 1000 Litres capacity	each	6000
	P.V.C Fittings		
1318	P.V.C connection pipe 18"	each	67.00
1319	P.V.C connection pipe 15"	each	63.00
1320	P.V.C connection pipe 12"	each	60.75
1321	P.V.C flushing cistern 10 litres (high level)	each	506.25
1322	P.V.C flushing cistern 10 litres (low level)	each	506.25

		R.P.V.C. Fittings		
1323		R.P.V.C double "Y" (door) 90 mm	each	110.25
1324		R.P.V.C double "Y" (door) 110 mm	each	187.95
1325		R.P.V.C cowl 110 mm	each	48.00
1326		R.P.V.C cowl 90 mm	each	42.00
1327		R.P.V.C double "Y" (plain) 90 mm	each	190.00
1328		R.P.V.C double "Y" (plain)110 mm	each	267.00
1329		R.P.V.C nahni trap 110 mm	each	60.95
1330		R.P.V.C nahni trap 90 mm	each	59.50
		C.I. Fittings		
1331		C.I foot rests	each	225.00
1332		C.I manhole frame & Cover(500 mm dia Wt 116 kg)	each	7200.00
1333		C.I rectangular frame & cover(455 x 610 wt 38 kg)	each	2100.00
1334		C.I cover with frame 30 x 30 cms	each	983.85
1335		C.I grating 100 x 100 mm	each	27.30
		G.I. Pipes		
1336		G.I pipes 15 mm(medium)	m	143.52
1337		G.I pipes 20 mm	m	168.48
1338		G.I pipes 25 mm	m	242.32
1339		G.I pipes 32 mm	m	292.24
1340		G.I pipes 40 mm	m	323.44
1341		G.I pipes 50 mm	m	447.20
1342		G.I pipes 60 mm	m	581.36
1343		G.I inlet connection	each	64.05
1344		G.I nut	each	77.85
1345		G.I chain with G.I pull	each	150.00
1346		G.I Jam nut	each	77.85
1347		G.I Tee(50 mm)	each	181.90
		Brass Fittings		
1348		Brass stop cock 15 mm	each	225.00
1349		Brass stop cock 20 mm	each	281.25
1350		Brass stop cock 25 mm	each	337.00
1351		Brass stop cock 32 mm	each	638.00
1352		Brass stop cock 40 mm	each	800.00
1353		Brass stop cock 50 mm	each	950.00
1354		Brass bib cock 15 mm	each	225.00
1355		Brass bib cock 20 mm	each	281.25

1356	Brass bib cock 25 mm	each	337.50
1357	Brass full way valve 15 mm	each	429.75
1358	Brass full way valve 20 mm	each	579.38
1359	Brass full way valve 25 mm	each	903.38
1360	Brass full way valve 32 mm	each	1265.63
1361	Brass full way valve 40 mm	each	1708.88
1362	Brass full way valve 50 mm	each	2504.25
1363	Brass full way valve 65 mm	each	3866.63
1364	Brass full way valve 80 mm	each	5730.75
	Sanitary Fittings		
1365	Towel rail 600 x 20 mm	each	427.60
1366	Towel rail 450 x 20 mm	each	416.25
1367	Soap dish (C.P)	each	438.75
1368	Toilet paper holder(C.P)	each	193.50
1369	Bath tubs (fibre glass)(1700x740x440)	each	16500.00
1370	Acrylic bath tub(1650x710x440)	each	13000.00
1371	Rubber plug 40 mm	each	88.00
1372	Acrylic bath tub(1520x710x440)	each	13000.00
1373	Mirror 600 x 450 mm	each	890.00
1374	Glass shelf 600 x 120 mm(5mm)	each	1440.00
1375	Liquid soap container 500 ml wall mounted (glass)	each	740.00
1376	Liquid soap container 200 ml-(plastic)	each	450.00
1377	Long Pan pattern (W.C pan)	each	750.00
1378	Indian Type (W.C. pan)	each	1374.00
1379	European type (W.C pan)	each	1449.00
1380	White plastic seat & lid	each	500.00
1381	Black plastic seat & lid	each	500.00
1382	Flat - back single urinal	each	614.00
1383	Range of 2 urinals	each	614.00
1384	Range of 3 urinals	each	614.00
1385	Range of 4 urinals	each	614.00
1386	Single seater	each	920.00
1387	Range of 2 urinals	each	920.00
1388	Range of 3 urinals	each	920.00
1389	Range of 4 urinals	each	920.00
1390	Flat - back wash basin(550 x 400 mm)	each	650.00
1391	Pedestal for wash basin	each	1100.00
1392	Foot rests for W,C	each	250.00
1393	5 litres high level P.V.C. flushing cistern	each	460.00
1394	5 litres low level P.V.C flushing cistern	each	460.00

1395	10 litres high level P.V,C. flushing cistern	each	506.25
1396	10 litres low level P.V.C flushing cistern	each	506.25
1397	5 litres C.I automatic flushing cistern	each	400.00
1398	10 litres C.I automatic flushing cistern	each	490.00
1399	15 litres C.I automatic flushing cistern	each	585.00
1400	Wash basin(white vitreous) 630 x 450 mm	each	1256.00
1401	Wash basin(white vitreous) 550 x 400 mm	each	1350.00
1402	Kitchen sink (white vitreous)- 600 x 400 x 250 mm	each	3750.00
1403	Kitchen sink (white vitreous)- 600 x 400 x 200 mm	each	3300.00
1404	Telescopic Flush pipe 32 mm(G.)	each	100.00
1405	Mosquito proof coupling	each	236.00
1406	Angle back wash basin(600 x480 mm)	each	300.00
1407	Angle back wash basin(400 x400 mm)	each	300.00
1408	Heel rest bend 100mm	each	350.00
1409	Heel rest bend 75mm	each	300.00
1410	Flush valve	each	3190.00
1411	White glazed tiles	ten	230.00
1412	Spreader for urinal	each	325.50
1413	Porcelain stopper	each	88.00
1414	Chain with rubber plug 32 mm	each	80.00

	Pipes		Sand Cast Iron	R.P.V.C	Centri C.I
			(a)	(b)	(c)
1415	Pipes 100 mm	m	1341.90	237.83	2691
1416	Pipes 75 mm	m	1146.60	115.40	1529
1417	Pipes 50 mm	m	927.00	50.09	1271.00
1418	Double equal Jnct100(door)	each	1016.40	231.00	1106.70
1419	Double equal Junction 75(door)	each	731.85	201.00	796.95
1420	Double equal Junction 50(door)	each	598.26	151.00	630.00
1421	Double equal Jnct100(plain)	each	914.55	220.00	1106.70
1422	Double equal Junction 75 (plain)	each	698.25	156.00	760.20
1423	Double equal Junction 50(plain)	each	483.80	108.00	611.10
1424	Single equal Jnct150(door)	each	708.00	116.00	1734.60
1425	Single equal Junction 100 (door)	each	676.20	96.00	736.05
1426	Single equal Junction 75(door)	each	450.45	65.00	490.35
1427	Single equal Jnct100 (plain)	each	602.70	98.00	656.25
1428	Single equal Junction 75 (plain)	each	416.85	85.00	453.60
1429	Single equal Junction 50(plain)	each	414.18	55.00	350.70
1430	Double unequal Jnct100x75(door)	each	519.20	-	-
1431	Double unequal Jnc100 x50 (door)	each	413.00	-	-
1432	Double unequal Junction 75 x 50(door)	each	295.00	-	-
1433	Double unequal Jnct100(plain)x 100 x 75 mm	each	531.00	66.00	-
1434	Double unequal Junction 100 x50 (plain)	each	424.80	36.00	-
1435	Double unequal Junction 75 x50(plain)	each	337.48	-	-
1436	Single unequal Junction 150 x 100(door)	each	788.24	87.00	2103.15
1437	Single unequal Junction 100 x 75 (door)	each	645.46	-	1121.4
1438	Single unequal Junction 100 x50(door)	each	501.50	-	858.9

1439	Single unequal Jnct150 x 100(plain)	each	742.22	-	1957.2
1440	Single unequal Junction 100 x 75 (plain)	each	671.42	-	786.45
1441	Single unequal Junction 100 x50(plain)	each	429.52	-	858.9
1442	Single equal Invt150 (door)	each	501.50	106.00	-
1443	Single equal Invt 100 (door)	each	415.36	57.00	-
1444	Single equal Invt 75(door)	each	310.34	-	-
1445	Single equal Invt100(plain)	each	565.22	83.00	1400
1446	Single equal Invt 75 (plain)	each	372.88	45.00	543
1447	Single equal Invt 50(plain)	each	248.98	-	376
1448	Bend (plain) 150mm	each	448.40	208.20	931.35
1449	Bend (plain) 100.00mm	each	423.15	121.55	459.9
1450	Bend (plain) 75 mm	each	331.80	-	361.2
1451	Bend (Door) 100 mm	each	469.35	-	510.3
1452	Bend (door) 75 mm	each	382.20	-	415.8
1453	Bend (door) 50 mm	each	245.44	-	339.15
			75 mm dia	100 mm dia	150 mm dia
	S.C.I Offset				
1454	75 mm Projection	each	267.60	339.60	-
1455	150 mm projection	each	374.40	445.20	940.80
			100 mm	150 mm	230 mm
1456	Stone ware pipes	m	69.30	126.00	203.00
			100 x 100	150 x 100	-
1457	S.W Gully trap	each	105	114.45	-
	Chlorinated Polyvinyl Chloride (CPVC)		Internal work	concealed work	external work
			(a)	(b)	(c)
1458	15 mm	m	123.4688	123.4688	72.76
1459	20 mm	m	168.6672	168.6672	87.09
1460	25 mm	m	229.2992	229.2992	117.96
1461	32 mm	m	552.3024	552.3024	171.97
1462	40 mm	m	620.6512	620.6512	235.91
1463	50 mm	m	1188.3872	1188.387	385.84
	PP-R Pipes & Accessories		16 mm	20 mm	25 mm
			(a)	(b)	(c)
1464	Pipe (PN 10/SDR 11) - 3 layer	m			88.00
1465	Pipe (PN 16/SDR 7.4) - 3 layer	m	63.00	74.00	114.00

1466	Pipe (PN 20/SDR 6) - 3 layer	m	68.00	88.00	131.00
			32 mm	40 mm	50 mm
			(d)	(e)	(f)
1467	Pipe (PN 10/SDR 11) - 3 layer	m	138.00	210.00	323.00
1468	Pipe (PN 16/SDR 7.4) - 3 layer	m	182.00	293.00	462.00
1469	Pipe (PN 20/SDR 6) - 3 layer	m	220.00	339.00	546.00
			63 mm	75 mm	90 mm
			(g)	(h)	(i)
1470	Pipe (PN 10/SDR 11) - 3 layer	m	531.00	712.00	1075.00
1471	Pipe (PN 16/SDR 7.4) - 3 layer	m	742.00	1036.00	1573.00
1472	Pipe (PN 20/SDR 6) - 3 layer	m	871.00	1220.00	1763.00
			110 mm	160 mm	
			(j)	(k)	
1473	Pipe (PN 10/SDR 11) - 3 layer	m	1564.00	3377.00	
1474	Pipe (PN 16/SDR 7.4) - 3 layer	m	2237.00	4733.00	
1475	Pipe (PN 20/SDR 6) - 3 layer	m	2650.00	5548.00	

Basic rate for Material								
Sr.No.	Description	Unit	Rate					
			S.C.I collar	Rubber insertion	(P.V.C door)	S.C.I terminal guard		
			(a)	(b)	(c)	(d)		
1476	50 mm	each	192.00	19.00	37.00	240.00		
1477	75 mm	each	220.00	21.00	42.00	263.00		
1478	100 mm	each	353.00	23.00	50.00	353.00		
	WATER STORAGE TANKS							
	R.C.C							
1479	225Litres capacity	each	3190.00					
1480	480Litres capacity	each	5410.00					
1481	Double equal Invt100(plain)	each	620.00					
1482	Double equal Invt 75 (plain)	each	480.00					
1483	S.C.I trap(nahni) 100 mm x 100 mm	each	346.50					
1484	S.C.I trap((nahni)100 x 50 mm	each	160.00					
			75 mm proj	100 mm proj	150 mm proj	200 mm	300 mm	
	A.C off sett							
			(a)	(b)	(c)	(d)	(e)	
1485	100 mm dia	each	56.00	70.00	33.00	42.00	42.00	
1486	80 mm dia	each	40.00	46.00	26.00	27.00	26.00	
1487	50 mm dia	each	34.00	38.00	27.00	-	-	
1488	A.C collars 100 mm dia	each	-	-	11.00	-	-	
1489	A.C collars80 mm dia	each	-	-	11.00	-	-	
1490	A.C collars 50 mm dia	each	-	-	10.00	-	-	
1491	A.C terminal guard 100 mm	each	-	-	25.00	-	-	
1492	A.C terminal guard 80 mm	each	-	-	20.00	-	-	
1493	A.C terminal guard 50 mm	each	-	-	16.00	-	-	

	Brass ball valve		15 mm	20 mm	25 mm	32 mm	40 mm	50 mm
			(a)	(b)	(c)	(d)	(e)	(f)
1494	with P.V.C floats(low)	each	438.75	607.50	1271.25	-	-	-
1495	with copper floats High)	each	596.25	832.50	1760.63	-	-	-
1496	with plastic floats(high & low)	each	300.00	325.00	375.00	-	-	-
1497	Brass ferrule	each	365.63	604.13	1103.63	-	-	-
1498	Brass non return valve	each	316.13	462.38	723.38	1062.00	1473.75	2750.00
1499	Brass non return valve		65 mm	80 mm	-	-	-	-
			(a)	(b)				
		each	3250.00	3655.00	-	-	-	-
			50 mm	75 mm	100 mm	150 mm		
			(a)	(b)	(c)	(d)		
1500	SC.I intercepting trap with chain & lid	each	-	-	507.00	572.00		
1501	SC.I pass over pipe	each	726.25	760.00	898.75	-		

	Fittings		Brass	C.P.Brass	Iron fittings	Cu oxidized (Fe)	Aluminum
			(a)	(b)	(c)	(d)	(e)
1502	Butt hinges 125x 70x4 mm	ten	840.00	1080.00	360.00	410.00	840.00
1503	100 x 70 x 4 mm	ten	640.00		280.00	330.00	720.00
1504	75 x 40 x 2,5 mm	ten	520.00	864.00	160.00	210.00	576.00
1505	50 x 40 x 2.5 mm	ten	360.00	600.00	120.00	170.00	360.00
1506	Parliamentary hinges 150x125x27	ten	-	-	600.00	650.00	-
1507	Parliamentary hinges 125x125x27	ten	-	-	480.00	530.00	-
1508	Parliamentary hinges 100x125x27X5mm	ten	3160.00	3160.00	280.00	330.00	-
1509	75x100x20x3.2	ten	2200.00	1880.00	200.00	250.00	-
1510	Single acting spring hinges 150	each	380.00	380.00	300.00	350.00	-
1511	125 mm	each	256.00	256.00	248.00	298.00	-
1512	100 mm	each	232.00	232.00	220.00	270.00	-
1513	double acting spring hinges 150	each	360.00	360.00	440.00	490.00	-
1514	125 mm	each	256.00	256.00	348.00	398.00	-
1515	100 mm	each	220.00	220.00	296.00	346.00	-
1516	Piano hinges 1mm thick 25 mm wide(nickel plated)	each	-	-	224.00	274.00	-
1517	Piano hinges 1mm thick 35 mm wide(brass plated)	each	-	-	288.00	338.00	-
1518	Tee Hinges 300 x 115 x 2.24	each	-	-	200.00	250.00	-
1519	Tee Hinges 250 x 100 x 2.25	each	-	-	175.00	225.00	-
1520	Rising hinges(left/right) 150 mm	each	360.00	360.00	-	-	-
1521	125 mm	each	256.00	276.00	-	-	-
1522	100 mm	each	196.00	232.00	-	-	-
1523	Sliding door bolts 300 x 16 mm	each	540.00	300.00	236.00	286.00	220.00
1524	250 x 16 mm	each	440.00	270.00	188.00	238.00	192.00
1525	100 x 16 mm	each	392.00	-	140.00	190.00	108.00
1526	Tower bolts (barrel type) 300 x 10	each	-	-	-	-	360.00
1527	Tower bolts (barrel type) 250 x 10	each	260.00	316.00	100.00	150.00	300.00
1528	200 x 10 mm	each	224.00	256.00	90.00	140.00	232.00
1529	150 x 10 mm	each	168.00	188.00	80.00	130.00	156.00

1530	100 x 10 mm	each	156.00	152.00	70.00	120.00	128.00
1531	75 x 10 mm	each	-	-	-	-	100.00
1532	Flush bolts 250 mm	each	312.00	200.00	-	-	-
1533	150 mm	each	156.00	156.00	-	-	-
1534	100 mm	each	108.00	96.00	-	-	-
1535	Handles 125 mm	each	84.00	130.00	100.00	150.00	156.00
1536	100 mm	each	64.00	110.00	76.00	126.00	108.00
1537	75mm	each	-	90.00	56.00	106.00	84.00
1538	Door latch 300 x 16 x 5 mm	each	540.00	636.00	188.00	238.00	100.00
1539	250 x 16 x 5 mm	each	476.00	516.00	156.00	206.00	84.00
1540	100 mm mortice latch and lock	each	600.00	600.00	-	-	-
1541	100 mm rim latch and lock	each	520.00	556.00	-	-	-
1542	100 mm floor door stopper	each	120.00	140.00	-	-	-
1543	Brass cupboard wardrobe Knob	each	68.00	189.00	-	-	-
1544	Hard drawn hooks & eyes 300 mm	ten	500.00	300.00	90.00	140.00	-
1545	250 mm	ten	400.00	250.00	75.00	125.00	-
1546	200 mm	ten	350.00	240.00	60.00	110.00	-
1547	150 mm	ten	300.00	200.00	50.00	100.00	76.00
1548	100 mm	ten	250.00	150.00	30.00	80.00	56.00
1549	Quadrant stays 300 mm	each	72.00	-	-	-	140.00
1550	Fan light clamp	ten	400.00	-	-	-	-
1551	Chain with lock for fan light clamp	ten	140.00	-	38.00	88.00	-
1552	Hasps & staples 150 mm	ten	750.00	260.00	120.00	170.00	60.00
1553	115 mm	ten	500.00	200.00	100.00	150.00	50.00
1554	90 mm	ten	450.00	-	90.00	140.00	-
1555	Cupboard lock (six levers) Indian make	each	175.00	116.00	-	-	-
1556	Ball catcher 10 mm diameter	each	36.00	-	-	-	-
1557	Helical spring (Indian make)	each	120.00	-	180.00	230.00	-
1558	Cupboard Knob or wardrobe knob	each	76.00	-	-	50.00	-
1559	Screws 50 mm	cent	460.00	428.00	200.00	250.00	-
1560	40 mm	cent	340.00	380.00	160.00	210.00	-
1561	35 mm	cent	280.00	260.00	150.00	200.00	-
1562	25 mm	cent	220.00	212.00	125.00	175.00	99.00
1563	20 mm	cent	156.00	140.00	100.00	150.00	-
1564	Hydraulic door closer	each	1574.00	-	-	-	-
1565	Flat latch 300 mm	each	100.00	-	-	-	160.00
1566	200 mm	each	84.00	-	-	-	140.00

1567	Kicking plate 50 cms long 100 x 3.15 mm	each	-	-	-	-	100.00
1568	Curtain rod 12 mm dia 1.25 mm thick	m	-	-	-	-	288.00
1569	Brackets	each	-	-	-	-	212.00
1570	Window stays 300 mm mortice line with 5 adjustments	each	-	-	-	-	140.00
1571	Window stays 250 mm mortice line with 4 adjustments	each	-	-	-	-	120.00
1572	Window stays 200 mm mortice line with 3 adjustments	each	-	-	-	-	84.00
1573	Mortice lock lever type without lock	each	-	-	-	-	460.00
1574	Mortice lock Knob type without lock	each	-	-	-	-	416.00
1575	Ventillator 75 mm	each	-	-	-	-	280.00
1576	Pivot hinge 62 mm	each	-	-	-	-	360.00
1577	Finger push plate 87 x 225 mm	each	-	-	-	-	600.00
1578	Finger push plate 75 x 150 mm	each	-	-	-	-	556.00
	Single acting spring hinges		-	-	-	-	-
1579	150 mm	each	50.00	-	-	-	-
1580	125 mm	each	48.00	-	-	-	-
1581	100 mm	each	27.00	-	-	-	-
	Double acting spring hinges.		-	-	-	-	-
1582	150 mm	each	100.00	-	-	-	-
1583	125 mm	each	80.00	-	-	-	-
1584	100 mm	each	85.00	-	-	-	-

Chapter III

TRANSPORTATION AND CARRIAGE OF MATERIALS

TRANSPORTATION AND CARRIAGE OF MATERIALS										
	(A) By tipper truck including loading , unloading and stacking									
Item nos	Materials	Unit	1 km	2km	3km	4 km	5 km	Beyond 5 upto 10 km per km	Beyond 10 upto 20 km per km	Beyond 20 upto 30 km per km
	(A) Lime,building rubbish, manure sludge, moorum excavated rock									
3001- 8	(I) Lime,moorum, building rubbish	cum	47.19	57.80	68.41	79.03	89.64	10.61	10.61	10.61
3009- 16	(ii) Earth	cum	58.99	72.25	85.52	98.78	112.05	13.26	12.36	12.36
3017 -24	(iii) Manure or sludge	cum	51.29	62.83	74.36	85.90	97.43	11.53	11.53	11.53
3025 -32	(I v) Excavated rock	cum	94.38	115.61	136.83	158.05	179.28	21.22	21.22	21.22
3033 -40	(B) Sand, stone metal and soling									
3041 - 48	(I) Sand stone metal below 40 mm	cum	56.63	69.36	82.10	94.83	107.57	12.73	12.73	12.73
30-49 - 56	(ii) Stone metal 40 mm & above	cum	61.29	75.07	88.85	102.63	116.41	13.78	13.78	13.78
3057 - 64	(iii) Soling stone	cum	66.62	81.60	96.59	111.57	126.55	14.98	14.98	14.98

CARRIAGE OF MATERIALS

CARRIAGE OF MATERIALS										
	(B) By mechanical transport including loading , unloading and stacking									
Item nos	Materials	Unit	1 km	2km	3km	4 km	5 km	Beyond 5 upto 10 km per km	Beyond 10 upto 20 km per km	Beyond 20 upto 30 km per km
	(A) Lime,building rubbish, manure sludge, moorum excavated rock									

3065 - 72	(I) Lime,moorum, building rubbish	cum	93.94	106.12	118.09	129.57	140.61	9.93	8.02	6.49
3073 - 80	(ii) Earth	cum	117.43	132.66	147.61	161.96	175.76	12.42	10.02	8.12
3081 - 88	(iii) Manure or sludge	cum	102.11	115.35	128.36	140.84	152.83	10.80	8.72	7.06
3089 - 96	(I v) Excavated rock	cum	187.88	212.25	236.17	259.14	281.22	19.87	16.04	12.99
	(B) Sand, stone metal and soling									
3097 - 04	(I) Sand stone metal below 40 mm	cum	112.73	127.35	141.70	155.48	168.73	11.92	9.62	7.79
3105 - 12	(ii) Stone metal 40 mm & above	cum	122.00	137.82	153.36	168.27	182.61	12.90	10.41	8.44
3113- 20	(iii) Soling stone	cum	132.62	149.82	166.71	182.92	198.50	14.02	11.32	9.17
3121 - 28	2 Bricks	1000 nos	281.83	484.48	514.20	542.20	570.81	29.80	24.05	19.48
3129- 36	3.) Tiles	1000 nos	176.14	198.98	221.41	242.94	263.64	18.62	15.03	12.18
3137- 44	4.) Cement,stone blocks,C.I,A.C & C.C pipes below 100 mm dia and other heavy materials	t	80.52	90.96	101.22	111.06	120.52	8.51	6.87	5.57
3145 - 52	5) Steel	t	80.52	90.96	101.22	111.06	120.52	8.51	6.87	5.57
3153 - 60	6) Timber	cum	112.73	127.35	141.70	155.48	168.73	11.92	9.62	7.79
3161 - 68	7) Tar, bitumen	t	125.26	141.50	157.45	172.76	187.48	13.24	10.69	8.66
3169 - 76	8) Steam coal	cum	102.48	115.77	128.82	141.35	153.39	10.84	8.75	7.09
3177 - 84	9) Stoneware pipes									
	a) 100 mm dia	100m	117.43	132.66	147.61	161.96	175.76	12.42	10.02	8.12
3185 - 92	b) 150 mm dia	100m	234.85	265.31	295.22	323.92	351.52	24.83	20.05	16.24
3193 - 00	c) 200 mm dia	100m	417.52	471.67	524.83	575.86	624.92	44.15	35.64	28.87
3221 - 28	d) 230 mm dia	100m	536.81	606.43	674.79	740.39	803.47	56.76	45.82	37.11

3229 - 36	e) 250 mm dia	100m	671.01	758.03	843.48	925.49	1004.34	70.95	57.27	46.39
3237 - 44	f) 300 mm dia	100m	854.02	964.77	1073.52	1177.90	1278.25	90.30	72.89	59.05
	10) R.CC, P.C Hume steel C.I pipes									
3245 - 52	a) 100 mm dia	100m	192.50	217.47	241.98	265.51	288.13	20.35	16.43	13.31
3253 - 60	b) 150 mm dia	100m	308.01	347.95	387.17	424.82	461.01	32.57	26.29	21.30
3261 - 68	c) 200 mm dia	100m	513.34	579.92	645.29	708.03	768.35	54.28	43.82	31.49
3269 - 76	d) 250 mm dia	100m	700.01	790.79	879.94	965.49	1047.75	74.01	59.75	48.40
3277 - 84	e) 300 mm dia	100m	905.9	1023.38	1138.74	1249.46	1355.91	95.78	77.32	62.63
3285 - 92	f) 350 mm dia	100m	1283.36	1449.79	1613.22	1770.06	1920.87	135.69	109.54	88.73
3293 - 00	g) 400 mm dia	100m	1711.14	1933.05	2150.96	2360.09	2561.16	180.92	146.05	118.31
3301 - 08	h)450 ,500 mm dia	100m	2200.04	2485.35	2765.51	3034.4	3292.92	232.62	187.78	152.11
3309 - 16	l)600,700,750,800 mm dia	100m	3080.06	3479.5	3871.72	4248.16	4610.09	325.66	262.89	212.95
3317 - 24	k) 900,1000,1100 &1 1200mm dia	100m	3850.07	4349.39	4839.65	5310.19	5762.61	407.08	328.62	266.19
3325 - 32	l)1400,1600,1800 mm dia	100m	7700.15	8698.74	9679.3	10620.39	11525.2	814.16	657.24	532.38
3333 - 40	11)Empty cement bags	1000 nos	28.20	31.80	35.40	38.90	42.20	3.00	2.40	1.90
3341 - 48	12)Hollow glass block	1000 nos	2.68	3.03	3.37	3.70	4.02	0.28	0.23	0.19

MORTARS

Sr. No.	Description	Units	Rate
	LIME MORTAR		
1601	Lime mortar (1 lime putty:1 fine sand)	cu.m	3526.00
1602	Lime mortar (1 lime putty: 2 Surkhi)	cu.m	2661.00
	CEMENT MORTAR		
1603	Cement Mortar (1 Cement : 1 Fine Sand)	cu.m	6918.00
1604	Cement Mortar(1Cement:2 Fine Sand)	cu.m	4947.00
1605	Cement Mortar (1Cement:3 Fine Sand)	cu.m	3962.00
1606	Cement Mortar (1Cement:4 Fine Sand)	cu.m	3138.00
1607	Cement Mortar (1Cement:5 Fine Sand)	cu.m	2706.00
1608	Cement Mortar (1Cement:6 Fine Sand)	cu.m	2417.00
1609	Mud mortar	cu.m	398.00
1610	Lime surkhi mortar 1:1:1 (1 Lime putty:1 Surkhi:1Fine Sand)	cu.m	1219.00
1611	White cement mortar 1:2 (1 White Cement:2 Fine Sand)	cu.m	11932.00

Note: Sand mean river/manufacture sand

CHAPTER IV
EARTHWORKS

SR.No.		DESCRIPTION	UNIT	RATE
4001		Clearing grass and removal of rubbish upto a distance of 50 m outside the periphery of the area	100 sq.m.	218.00
4002		Felling trees of girth(measured at a height of 1. m. Above ground level) including cutting of trunks and branches removing the roots stacking the serviceable material and disposal of unserviceable material for all leads :		
	a	Beyond 30 cm and upto 60 cm girth	each	218.00
	b	Beyond 60 cm and upto 120 cm girth	each	462.00
	c	Beyond 120 cm and upto 240 cm girth	each	1899.00
	d	Beyond 240 cm girth	each	3728.00
4003		Surface dressing of ground including removing vegetation in equalities not exceeding 15 cm deep and disposal of rubbish lead upto 50 m and lift upto 1.5 m.		
	a	Ordinary soil	sq.m	10.00
	b	Hard soil	sq.m	13.00
4004		Earthwork in surface excavation not exceeding 30 cm depth (but exceeding 1.5 m width as well as 10 sq.m on plan) including disposal of excavated earth beyond work site for all leads lift disposed earth to be leveled and neatly dressed in:		
	a	Ordinary soil	sq.m	18.00
	b	Hard soil	sq.m	25.00
4005		Earthwork in excavation by mechanical means (hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sq.m on plan) including disposal of excavated earth lead upto 50 m and lift upto 1.5m disposed earth to be leveled and neatly dressed including providing barricading, danger lighting guarding as directed in :		
	a	All kinds of soil	cu.m	146.00
	b	All types of Ordinary rock including all types of laterite rock, blasting prohibited	cu.m	409.00
	c	Hard rock where blasting prohibited	cu.m	638.00
4006		Earthwork in excavation by mechanical means (hydraulic excavator)/manual means in foundation pipeline trenches drain (not exceeding 1.5 m in width or 10 sq.m. on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out		

		the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m.		
	a	All kinds of soil	cu.m	147.00
	b	All types of Ordinary rock including all types of laterite rock, blasting prohibited	cu.m	420.00
	c	Hard rock where blasting prohibited	cu.m	646.00
4007		Earthwork in excavation over areas in saturated soil (exceeding 0.30 m upto a depth of 0.60 m) including disposal of excavated earth lead upto 50 m and lift upto 1.5 m disposed earth to be neatly dressed and leveled including pumping or bailing out water	cu.m	283.00
4008		Earthwork in excavation in foundation pipeline trenches, drain in saturated soil upto a depth of 0.60 m lift upto 1.50 m including shoring, strutting and pumping/bailing out water stacking the excavated soil not more than 5 m. clear from the edge the excavation and returning the stacked soil in 0.15 m layers when required into plinth sides of foundation etc. consolidating each deposited layer by ramming, watering and disposing of all surplus excavated soil within a lead upto 20m.	cu.m	309.00
4009		Extra for earthwork excavated in saturated soil for every 0.30 m depth or part thereof over 0.60 m depth below water table including pumping and bailing out water	cu.m	51.00
4010		Extra for additional depth of 1.5 m or part thereof in:		
	a	All types of soil	cu.m	14.00
	b	Saturated soil	cu.m	25.00
	c	All types of laterite rocks and hard rocks	cu.m	19.00
4011		Extra for all type of laterite rock and hard rock in wet condition including pumping or bailing out water.	cu.m	100.00
4012		Refilling the pipeline/foundation trenches plinth sides, foundation etc. with available excavated earth in layers not exceeding 20 cm depth consolidating each layer ramming and watering lead upto 50 M and all lifts and disposal of surplus earth as directed by Engineer in Charge.	cu.m	83.00
4013		Open timbering in trenches including strutting and shoring complete. (face area to be timbered only to be taken)		
	a	Depth not exceeding 1.5 m	sq.m	102.00
	b	Depth exceeding 1.5 m but not exceeding 3.0	sq.m	117.00

		m		
	c	Depth exceeding 3.00 m	sq.m	134.00
4014		Extra for planking and strutting in open planks as required to be left permanently in position(face area to be left permanently to be measured)	sq.m	372.00
4015		Closed planking in trenches including strutting and shoring packing cavities (wherever required) complete. (measurement to be taken only on face area to be timbered)		
	a	Depth not exceeding 1.5 m	sq.m	196.00
	b	For depth exceeding 1.5 m but not exceeding 3.0 m	sq.m	225.00
	c	For depth exceeding 3.0 m	sq.m	259.00
4016		Extra for planking and strutting and packing material for cavities (in closed timbering) if required to be left permanently in position.(face area of timbering permanently left to be measured)	sq.m	719.00
4017		Supplying and filling in plinth under floors, trenches including watering ramming consolidating, dressing, complete.		
	a	Sand	cu.m	895.00
	b	Moorum	cu.m	386.00
4018		Open timbering over areas including shuttering shoring and use and waste of racking shores, complete(measurements to be taken on face area timbered)		
	a)	Upto depth of 1.5 m	sq.m	59.00
	b	For depth exceeding 1.5 m but upto 3.00 m	sq.m	69.00
	c	For depth beyond 3.00 m	sq.m	77.00
4019		Open timbering in case of shafts, wells, cesspits man holes and like including strutting and shoring complete (measurements to be taken of face area timbered)		
	a)	Upto depth of 1.5 m	sq.m	99.00
	b	For depth exceeding 1.5 m but upto 3.00 m	sq.m	108.00
	c	For depth beyond 3.00 m	sq.m	123.00
4020		Close timbering over areas including strutting shoring packing cavities (wherever required) and use waste of ranking shore etc. complete.		
	a)	Upto depth of 1.5 m	sq.m	172.00
	b	For depth exceeding 1.5 m but upto 3.00 m	sq.m	200.00
	c	For depth beyond 3.00 m	sq.m	227.00
4021		Close timbering in case of shafts wells, cesspits, manholes, and the like including strutting, shoring and packing cavities (wherever required) complete. (measurements to be taken of face area timbered)		

	a)	Upto depth of 1.5 m	sq.m	210.00
	b)	For depth exceeding 1.5 m but upto 3.00 m	sq.m	235.00
	c)	For depth beyond 3.00 m	sq.m	266.00
4022		Dewatering the trenches and bailing out water including removal of slush, mud etc. for any depth and disposal of pumped mud, water, slush to suitable point not forming circuit of return of pumped water to the very trench, by employing diesel generated pump	cu.m	280.00
4023		Earth work in rough excavation banking excavated earth in layers not exceeding 20 cm in depth breaking clods, watering rolling each layer with 1/2 tonne roller or wooden or steel rammers, and rolling every third and top most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m		
	a)	All types of soil	cu.m	147.00
4024		Ploughing the existing ground to a depth from 15 cm. to 35 cm. and watering the same:		
	a)	Ordinary soil	sq.m	9.00
	b)	Hard soil	sq.m	14.00
4025		Banking excavated earth in layers not exceeding 20 cm in depth breaking clods, watering, rolling each layer with 1/2 tonne roller, or wooden or steel rammers, & rolling every 3 rd & top most layer with power roller of minimum 8 tonnes & dressing up in embankments for roads, flood banks, marginal banks, and guide banks, etc. lead upto 50 m. and lift upto 1.5 m.		
	a)	Ordinary soil	cu.m	98.00
	b)	Hard soil	cu.m	115.00
4026		Deduct for not rolling with power roller minimum 8 tonnes in item No. 4024 and 4026.	cu.m	11.00
4027		Deduct for not watering in item Nos. 4024 & 4026.	cu.m	6.00
4028		Clearing jungle including uprooting of rank vegetation grass bush wood trees and sapling of girth upto 30 cm. measured at a height of 1 m above ground level & removal of rubbish upto a distance of 50 m. outside the periphery of the area cleared. (If however, only grass is met with the area will be measured and paid for under item 4001).	sq.m	4.00

4029		Earthwork in excavation in saturated soil upto depth of 0.60 m including pumping or bailing out water and banking in layer for the purpose of making embankments or filling up ground depressions, lead upto 20 m. and lift upto 1.5 m.	cu.m	442.00
4030		Extra rates for quantities of works executed in or under foul position * METER DEPTH.	*md	25%
4031		Stacking stone boulder (15 to 23 cm size) for measurement	cu.m	63.00
4032		Stacking stone aggregate for measurement	cu.m	42.00
4033		Stacking sand for measurement	cu.m	35.00

CHAPTER V

PRECAST MASONRY WORKS

SR.No.		DESCRIPTION	UNIT	RATE
5001		Pre-cast cement concrete solid block masonry of compressive strength 70 kg/cu.m in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth size of blocks (30 x 20 x 15)		
		in foundation and plinth	cu.m	3328.00
5002		Pre-cast cement concrete solid block masonry of compressive strength 70 kg/cu.m in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth size of blocks (40 x 20 x 15)		
		in foundation and plinth	cu.m	2770.00
5003		Pre-cast cement concrete solid block masonry of compressive strength 70 kg/cu.m in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth size of blocks (30 x 23 x 15)		
			sq.m	3003.00
5004		Pre-cast cement concrete solid blocks masonry of compressive strength 70kg/cu.m in cement mortar 1:4 (1 cement : 4 coarse sand) in partition walls size of blocks (30 x 20 x 10)		
			sqm	563.00
5005		Extra for precast concrete block masonry in all sizes in superstructure from floor one level upto floor V level		
			cu.m	388.00
5006		Extra for precast concrete block masonry in all sizes in superstructure above floor V level for every four floors or part thereof.		
			cu.m	348.00
BRICK MASONRY WORKS				
5007		Brick work using common burnt building bricks in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 75 kgs / cu.m (wire cut bricks)		
	a)	In foundation and plinth.	cu.m	5558.00
	b)	In superstructure upto floor five level.	cu.m	5927.00
5008		Brick work using common burnt building bricks in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 40 kgs / cu.m (wire cut bricks)		
	a)	In foundation and plinth.	cu.m	4194.00
	b)	In superstructure upto floor five level.	cu.m	4562.00
5009		Brick work using common burnt building bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 75 kgs / cm ² (wire cut bricks)		
	a)	In foundation and plinth.	cu.m	5319.00

	b)	In superstructure upto floor five level.	cu.m	5687.00
5010		Brick work using common burnt building bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 40 kgs / cu.m (wire cut bricks)		
	a)	In foundation and plinth.	cu.m	3954.00
	b)	In superstructure upto floor five level.	cu.m	4323.00
5011		Brick work using common burnt building bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 75 kgs / cu.m (wire cut bricks)		
	a)	In foundation and plinth.	cu.m	5194.00
	b)	In superstructure upto floor five level.	cu.m	5562.00
5012		Brick work using common burnt building bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 40 kgs / cu.m (wire cut bricks)		
	a)	With bricks of class designation 40kg/sq.m	cu.m	3829.00
	b)	In superstructure upto floor five level.	cu.m	4197.00
5013		Extra for brick work in square and rectangular pillars	cu.m	146.00
5014		Extra for brick work in circular pillars:		
	a)	With bricks of class designation 75 kg./cu.m (wire cut bricks)	cu.m	1464.00
	b)	With bricks of class designation 40 kg./cu.m (wire cut bricks)	cu.m	1075.00
5015		Extra for brick work curved in plan upto a mean radius not exceeding 6 meters.		
	a)	With bricks of class designation 75 kg. sq.cm.	cu.m	430.00
	b)	With bricks of class designation 40 kg. sq.cm.	cu.m	331.00
5016		Extra for making tapered surface of brick masonry		
	a)	With bricks of class designation 75 kg. sq.cm.	sq.m	247.00
	b)	With bricks of class designation 40 kg. sq.cm.	sq.m	189.00
5017		Half brick masonry in cement mortar 1:3 (1 cement: 3 coarse sand) with bricks of class designation 75 kg /cm ² .		
	a)	In foundation and plinth.	sq.m	676.00
	b)	Upto floor V level.	sq.m	734.00
5018		Half brick masonry in cement mortar 1:3 (1 cement: 3 coarse sand) with bricks of class designation 40 kgs / cm ² .		
	a)	In foundation and plinth.	sq.m	512.00
	b)	Upto floor V level.	sq.m	570.00
5019		Half brick masonry in cement mortar 1:4 (1 cement: 4 coarse, sand) with bricks of class designation 75 kg/ sq. cm upto floor five level.		
	a)	In foundation and plinth.	sq.m	649.00
	b)	Upto floor V level.	sq.m	707.00

5020		Half brick masonry in cement mortar 1:4 (1 cement: 4 coarse, sand) with bricks of class designation 40 kg/ sq. cm upto floor five level.		
	a)	In foundation and plinth.	sq.m	485.00
	b)	Upto floor V level.	sq.m	543.00
5021		Extra for cutting or chamfering of bricks to required shape masonry work.		11.00
5022	a)	Providing 10 cm drip course at junction of roofs and wall in cement mortar 1:4 (1 cement: 4 fine sand) with bricks of class designation 75 kg / cm ² .	sq.m	47.00
	b)	Providing 10 cm drip course at junction of roofs and wall in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 40 kg / cm ² .	sq.m	35.00
5023	a)	Providing 7.62 cm thick 5 cm projected string course in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 75 kg / cm ² .	sq.m	23.00
	b)	Providing 7.62 cm thick 5 cm projected string course in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 40 kg / cm ² .	sq.m	17.00
5024		Brick work using fly ash bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 40 kgs / cm ² . in foundation and plinth.		
	a)	230 x 110 x 80 mm	sq.m	3825.00
		Brick work using fly ash bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 40 kgs / cm ² . in superstructure upto floor five level.		
	b)	230 x 110 x 80 mm	sq.m	4194.00
5025	a	Brick work using fly ash bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 40 kg / cm ² in foundation and plinth.		
		230 x 110 x 80 mm	sq.m	3700.00
	b)	Brick work using fly ash bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 40 kg / cm ² in superstructure upto floor five level.		
		230 x 110 x 80 mm	sq.m	4016.00
5026	a)	Half brick masonry using fly ash bricks in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 40 kgs / cm ² .		
		In foundation and plinth 200 x 95 x 95	sq.m	423.00
	b)	Above plinth upto floor V level 200 x 95 x 95	sq.m	521.00
5027	a)	Half brick masonry using fly ash bricks in		

		cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 40 kg/cm ²		
		In foundation and plinth 200 x 95 x 95	sq.m	395.00
	b)	Above plinth upto floor V level 200 x 95 x 95	sq.m	494.00
5028		Extra for brickwork in super structure above floor V level for every four floors or part thereof.	sq.m	261.00
5029		Extra for half brickwork in super structure above floor V level for every four floors or part thereof.	sq.m	30.00
LATERITE MASONARY WORKS				
5035		Rubble packing with hard laterite stone under floors including watering ramming and consolidating etc. in pipeline trenches and other foundations complete.	cu.m	841.00
5036		Laterite masonry of dressed stones of size as specified laid dry in pitching riverment etc.	cu.m	1510.00
5037		Random rubble masonry of laterite stone not less than 20 cm laid dry in pitching revetment etc.	cu.m	974.00
5038		Laterite masonry in neatly dressed stones of size as specified in cement mortar 1: 4 (1 cement : 4 coarse sand) in foundation and basement.	cu.m	2437.00
5039		Laterite masonry in neatly dressed stones of size as specified in cement mortar 1: 5 (1 cement : 5 coarse sand) in foundation and basement.	cu.m	2337.00
5040		Extra for flat semi-circular or segmental arch works .	cu.m	199.00
5041		Extra for labour in well lining cornices coping, etc.	cu.m	152.00
5042		Exposed decorative laterite masonry using Patradevi stone of size as specified and laid as directed by architect in cement mortar 1:4 (1 cement : 4 coarse sand)	cu.m	6249.00
5043		Laterite masonry in neatly dressed stones for 23 cms thick masonry walls in cu.m. 1 : 4 (1 cement : 4 coarse sand in foundation upto plinth level	cu.m	2785.00
5044		Laterite masonry in neatly dressed stones for 23 cms thick masonry walls in cm. 1 : 5 (1 cement : 5 coarse sand) in foundation upto plinth level	cu.m	2708.00
5045		Laterite masonry in neatly dressed stones for 20 cms thick masonry walls in cm. 1 : 4 (1 cement : 4 coarse sand) in foundation upto plinth level	cu.m	2962.00

5046		Laterite masonry in neatly dressed stones for 23 cms thick masonry walls in cm. 1 : 5 (1 cement : 5 coarse sand) in foundation upto plinth level	cu.m	2861.00
5047		Extra for laterite masonry in all sizes in superstructure from floor I level upto floor V level.	cu.m	388.00
5048		Extra for laterite masonry in all sizes in superstructure above floor V level for every 4 floors or part thereof	cu.m	348.00

CHAPTER VI

PLAIN CONCRETE WORKS

Sr. No	Description	Unit	Rate
6001	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded granitic or basaltic stone aggregate 40 m nominal size) excluding cost of centering, shuttering and finishing :		
	a) All works upto plinth level	cu.m	4372.00
	b) In retaining walls , return walls(any thick) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	4726.00
6002	Providing & laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded granitic or basaltic stone aggregate. 40 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a) All works upto plinth level	cu.m	3798.00
	b) in retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	4005.00
6003	Providing & laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 river pebbles 40mm nominal size) excluding cost of centering, shuttering and finishing in:		
	a) All works upto plinth level	cu.m	3171.00
	b) in retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	3319.00
6004	Providing & laying cement concrete 1:4:8 (1 cement 4 : coarse sand : 8 river pebbles aggregates 40 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a) All works upto plinth level	cu.m	2898.00
	b) In retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills,	cu.m	3060.00

		fillets etc, upto floor five level.		
6005		Providing & laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 river pebbles aggregate 40 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a)	All works upto plinth level	cu.m	2611.00
	b)	in retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	2785.00
6006		Providing & laying cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 hard laterite stone ballast aggregate. 50 mm. nominal size) excluding cost of centering and shuttering in :		
	a)	All works upto plinth level	cu.m	3272.00
6007		Providing and laying cement concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded granitic a basaltic stone aggregate 40 mm nominal size) excluding cost of centering, shuttering and finishing in		
	a)	All works upto plinth level	cu.m	3439.00
	b)	In retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	3706.00
6008		Providing & laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded granitic or basaltic stone aggregate. 40 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a)	All works upto plinth level	cu.m	3152.00
	b)	In retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	3418.00
6009		Providing & laying cement concrete 1: 1.5: 3 (1 cement: 1.5 coarse sand: 3 graded granitic or basaltic stone aggregate. 20 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a)	All works upto plinth level	cu.m	5110.00

	b)	In retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	5434.00
6010		Providing & laying cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate. 20 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a)	All works upto plinth level	cu.m	4611.00
	b)	In retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	4877.00
6011		Providing & laying cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded granitic or basaltic stone aggregate. 20 mm. nominal size) excluding cost of centering, shuttering and finishing in:		
	a)	All works upto plinth level	cu.m	4103.00
	b)	In retaining walls , return walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level.	cu.m	4195.00
6012		Centering and shuttering including strutting, propping etc. and removal of formwork for :		
	a)	Foundations, footings, bases for columns and mass concrete.	sq.m	218.00
	b)	vertical surfaces such as retaining walls , return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, etc.	sq.m	242.00
	c)	Columns, Pillars ,piers, abutments, posts and strut, square, rectangular, polygon in plan. etc.	sq.m	313.00
6013		Providing and laying cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 20 mm nominal size) excluding the cost of centering, shuttering and finishing etc.		
	a)	Kerbs, steps and the like at or near ground level	cu.m	4611.00

6014		Providing and laying cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded granitic or basaltic stone aggregate 20 mm nominal size) excluding the cost of centering, shuttering and finishing etc.		
	a)	Kerbs, steps and the like at or near ground level	cu.m	4103.00
6015		Providing and laying upto floor five level cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 20 mm nominal size) including smooth finishing to exposed surfaces, with cement mortar 1:3 (1 cement: 3 fine sand) including centering and shuttering etc.		
	a)	Kerbs, steps and the like at or near ground level	cu.m	6800.00
	b)	String courses, copings, bedplates, anchor blocks, plain window sills and the like.	cu.m	8965.00
	c)	Small lintels not exceeding 1.5 m clear span, including coping and the like requiring form work to the suspended portions.	cu.m	9886.00
	d)	Moulding as in cornices, window sills etc. exceeding 15 cm in girth.	cu.m	9453.00
	e)	Moulding in cornices, window sills etc. not exceeding 15 cm girth.	cu.m	9487.00
6016		Providing and laying upto floor five level pre-cast cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 20 mm nominal size) including hoisting and setting in position in cement mortar 1:3 (1 cement : 3 Coarse sand) including smooth finishing the exposed surfaces, with cement mortar 1:3 (1 cement: 3 fine sand) including centering and shuttering etc.		
	a)	Kerbs, steps and the like at or near ground level	cu.m	8194.00
	b)	String courses, copings, bed plates, anchor blocks, plain window sills and the like.	cu.m	10103.00
	c)	Small lintels not exceeding 1.5 m clear span, including coping and the like requiring form work to suspended portions.	cu.m	8824.00
	d)	Moulding as in cornices, window sills etc. exceeding 15 cm in girth.	cu.m	10592.00
	e)	Moulding in cornices, window sills etc. not exceeding 15 cm girth.	cu.m	10626.00
6017		Extra for laying concrete in or under water & or liquid mud including cost of pumping and bailing out water and removing slush etc.	*cpd	193.00

		complete. * Per cu.m per m depth		
6018		Extra for laying concrete in or under foul condition	cu.m	77.00
6019		Providing & laying damp proof course 25 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate. 10 mm nominal size).	sq.m	151.00
6020		Providing & laying damp proof course 38 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5 mm nominal size).	sq.m	222.00
6021		Providing & laying damp proof course 50 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate. 20 mm nominal size).	sq.m	282.00
6022		Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers. *Per bag of 50 kg of cement used in the mix .	per cement bag	36.00
6023		Applying a coat of hot bitumen (asphalt 80/100 or equivalent) using 1.5 kg/sq.m. on damp proof course after cleaning the surface with brushes and finally with a piece of cloth light soaked in bitumen.	sq.m	99.00
6024		Providing and laying plum concrete in cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded granitic or basaltic stone aggregate 40 mm nominal size) with plums not exceeding 15% of the volume of the finished concrete of size ranging from 150 to 300 mm (but the maximum dimension not exceeding 1/3 rd (one third) the least dimension of member under consideration excluding the cost of centering and shuttering:		
	a)	With granitic or basaltic stone plums in:		
		foundation and plinth	cu.m	3433.00
		Walls including attached buttresses pilasters, string courses, independent piers, columns and pilasters coping and the like. upto floor five level.	cu.m	3608.00
	b)	With laterite stone plum: -		
		foundation and plinth	cu.m	3341.00
		Walls including attached buttresses pilasters, string courses, independent piers, columns and pilasters coping and the like. upto floor five level.	cu.m	3516.00

6025		Providing and laying plum concrete in cement concrete 1:2: 4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 40 mm nominal size) with plums not exceeding 15% of the volume of the finished concrete of size ranging from 150 to 300 mm (but the maximum dimension not exceeding 1/3 rd (one third) the least dimension of member under consideration excluding the cost of centering and shuttering:		
	a)	With granitic or basaltic stone plums in :		
	1)	foundation and plinth	cu.m	3920.00
	2)	Walls including attached buttresses pilasters, string courses, independent piers, columns and pilasters coping and the like. upto floor five level.	cu.m	4221.00
	b)	Lateritic stone plum in: -		
	1	foundation and plinth	cu.m	3828.00
	2	Walls including attached buttresses pilasters, string courses, independent piers, columns and pilasters coping and the like. upto floor five level.	cu.m	4129.00
6026		Extra for concrete work in superstructure above floor five level for each four floors or part thereof.	cu.m	261.00
6027		Making plinth protection 50mm thick of Cement Concrete 1:3:6 (1cement : 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry laterite aggregate 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	sq.m	374.00

REINFORCED CEMENT CONCRETE WORKS				
Sr. No		Description	Unit	Rate
6030		Providing and laying in position (1:1½:3) Reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement (1 cement: 1½ coarse sand:3 graded stone aggregate 20mm nominal size)		
	a	All works upto plinth level	cu.m	5175.00
	b	in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level	cu.m	5467.00
	c	in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases upto floor five level	cu.m	5539.00
6031		Providing and laying in position (1:2:4) reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement. (1 cement:2 coarse sand:4 graded stone aggregate 20mm nominal size)		
	a	All works upto plinth level	cu.m	4673.00
	b	in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level	cu.m	4966.00
	c	in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, intels, bands, plain window sills, staircases upto floor five level	cu.m	5015.00
6032		Providing and laying upto floor five level reinforced cement concrete (1:2:4) in kerbs, steps and the like excluding the cost of centering, shuttering and finishing and reinforcement (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggregate 20mm nominal size)		
			cu.m	4935.00
6033		Reinforced cement concrete work in arches, arch ribs, domes, vaults, shells, folded plate and roofs having slope more than 15° upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1½ coarse sand: 3 graded granitic or basaltic aggregate 20mm nominal size)		
			cu.m	5324.00

6034		Reinforced cement concrete work in arches, arch ribs, domes, vaults, shells, folded plate and roofs having slope more than 15° upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggregate 20mm nominal size)	cu.m	4822.00
6035		Reinforced cement concrete work in chimneys, shafts upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1½ coarse sand: 3 graded granitic or basaltic aggregate 20mm nominal size)	cu.m	5513.00
6036		Reinforced cement concrete work in chimneys, shafts upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggregate 20mm nominal size)	cu.m	5011.00
6037		Reinforced cement concrete work in well staining excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1½ coarse sand: 3 graded granitic or basaltic aggregate 20mm nominal size)	cu.m	5124.00
6038		Reinforced cement concrete work in well staining excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggregate 20mm nominal size)	cu.m	4386.00
6039		Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1 coarse sand: 2 graded stone aggregate 20mm nominal size)	cu.m	5449.00
6040		Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size)	cu.m	4948.00

6041		Reinforced cement concrete work(1:2:4) (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggregate 20mm nominal size)in suspended floors, roofs, landings, shelves and their supports and balconies upto floor five level including finishing and plastering the ceiling with cement mortar (1:3) (1 cement: 3 fine sand) of thickness not exceeding 6mm to give a smooth and even surface but excluding the cost of centering and shuttering	cu.m	5513.00
6042		Reinforced cement concrete work (1:1 ^{1/2} :3) (1 cement:1 ^{1/2} coarse sand: 3 graded granitic or basaltic aggregate 20mm nominal size)in suspended floors, roofs, landings, shelves and their supports and balconies upto floor five level including finishing and plastering the ceiling with C.M. (1:3) (1 cement: 3 fine sand) of thickness not exceeding 6mm to give a smooth and even surface but excluding the cost of centering and shuttering	cu.m	5885.00
6043		Reinforced cement concrete work 1:2:4 (1 cement: 2 coarse sand: 4 granitic or basaltic stone aggregate 20mm nominal size excluding plastering and cost of centering, shuttering & reinforcement, in sloping or battering surface (slabs, beams, louvers, etc)		
	i)	Where inclination to the horizontal does not exceed 30°	cu.m	4866.00
	ii)	Where inclination to the horizontal exceeds 30°	cu.m	4984.00
6044		Reinforced cement concrete work 1:1 ^{1/2} :3 (1 cement: 1 ^{1/2} coarse sand: 3 granitic or basaltic stone aggregate 20mm nominal size excluding plastering and cost of centering, shuttering & reinforcement, in sloping or battering surface (slabs, beams, louvers, etc)		
	i)	Where inclination to the horizontal does not exceed 30°	cu.m	5248.00
	ii)	Where inclination to the horizontal exceeds 30°	cu.m	5376.00
6045		Centering & shuttering including Strutting, Propping & removal of forms for :		
	i)	Foundations, Footings, Bases for columns	sq.m	218.00
	ii)	Vertical surfaces such as retaining walls, return walls, Partitions, walls (any thickness) including attached Pilasters, Buttresses, Plinth and string courses, Fillets and the like	sq.m	242.00
	iii)	Columns, Piers, Pillars, Abutments, Posts and struts (square rectangle polygon in plan)	sq.m	313.00

	iv)	Sides and Soffits of beams, Beam Haunchings, Cantilever, Girders, bressumers and Lintels plinth beams not exceeding 1m in depth	sq.m	233.00
	v)	Sides and Soffits of beams, Beam Haunchings, Cantilever, Girders, bressumers and Lintels plinth beams exceeding 1m in depth	sq.m	278.00
	vi)	Staircases (except spiral staircases) excluding landing	sq.m	209.00
	vii)	Spiral staircases including landing	sq.m	231.00
	viii)	Arches, domes, vaults upto 6.00 span	sq.m	680.00
	ix)	Extra for arches, domes, shell roofs exceeding 6m. Span.	sq.m	1040.00
	x)	Domes, vaults, shell roofs having curved surface in both the directions.	sq.m	1612.00
	xi)	Chimneys & shafts	sq.m	242.00
	xii)	Well staining	sq.m	321.00
	xiii)	Suspended floors, roofs landings, shelves & their supports	sq.m	312.00
	xiv)	Vertical or horizontal fins individually forming box louvers or projected bands	sq.m	318.00
6046		Centering & shuttering including Strutting, Propping & removal of forms for sloping or battering surface (slabs, beams, louvers, etc) including folded plates		
	i)	Where inclination to the horizontal does not exceed 30° requiring shuttering on the underside only	sq.m	375.00
	ii)	Where inclination to the horizontal exceeds 30° requiring shuttering on the underside & upper side if required (Only area of underside shall be measured for payment)	sq.m	462.00
	iii)	Columns, Pillars, Posts & struts (circular or curved in plan)	sq.m	371.00
	iv)	Cornices & Mouldings	sq.m	362.00
6047		Extra to be added for additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of de- shuttering and de-centering at all levels, over a height of 3.5m,for every additional height of 1m or part thereof. (Plan area to be measured) Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sq.m	138.00
6048		Providing and laying RCC work 1:2:4 (1 cement coarse sand: 4 granitic or basaltic stone aggregate 20mm nominal size in chajjas not exceeding 15cms thickness upto 1st floor level including finishing and plastering the exposed surface with cement mortar 1:3 (1	cu.m	10284.00

		cement: 3 fine sand) of thickness not exceeding 6mm to give an even surface throating & moulding, centering & shuttering complete but excluding cost for reinforcement		
6049		RCC work 1:2:4 (1 cement: 2 coarse sand: 4 granitic or basaltic stone aggregate 20mm nominal size in chajjas exceeding 15cms thickness upto 1st level including finishing and plastering the exposed surface with cement mortar 1:3 (1 cement: 3 fine sand) of thickness not exceeding 6mm to give an even surface throating & moulding, centering, shuttering but excluding cost of reinforcement	Cu.m.	7271.00
6050		Providing corrosion resistant steel CRS-50 bars of (SAIL, TATA. VIZAG only)(Confirming to IS 1786 if 1985) for RCC work including bending, binding & placing in position in all the floors along with factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member .	kg	67.00
6051		Providing Mild steel reinforcement bars (Confirming to IS 1786 of 1986) for RCC work including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member.	kg	58.00
6052		Providing TMT steel reinforcement bars of SAIL, TATA. VIZAG made only (Confirming to IS 1786 of 1986) for RCC work (conforming to I.S. 1786 of 1986) including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member.	kg	65.00
6053		Providing High yield strength steel reinforcement bar (HYSD)/TMT steel reinforcement bar from <u>secondary producers</u> (Confirming to IS 1786 of 1986) for RCC work including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in	Kg	58.00

		the structural member.		
6054		Bending, binding & placing in position mild steel or TMT or High yield strength deformed reinforcement including cost of wire for binding but excluding cost of mild steel in R.C.C all the floors along with factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of the surrounding concrete in the structural member.	Kg	5.00
6055		Extra for rendering smooth the top of the suspended floors, landing and staircase (treads and risers) with cement mortar 1:2 (1 cement: 2 coarse sand) including a floating coat of neat cement and protecting the surface with a layer of 7.5 cms of earth laid over 15mm layer of fine sand in case of suspended floor and bricks laid in mud mortar in landing of steps including subsequent removal and cleaning of the same	sq.m	76.00
6056		Applying cement slurry on RCC slab on cement concrete work using 2.75kgs of cement per sq.m for receiving cement concrete floor including roughening, cleaning, etc complete	sq.m	24.00
6057		Providing Pre-cast cement concrete slab 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centering and shuttering, roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) all complete excluding plastering of the jambs, sills and soffits		
	i)	50mm thick	sq.m	1046.00
	ii)	40mm thick	sq.m	1006.00
	iii)	25mm thick	sq.m	769.00
6058		Providing and filling in position Bituminous filler of proportion 80kg of hot bitumen, 1kg of cement and 0.25 cu.m. of coarse sand for expansion joint	cm. depth/ cm. width/ 100m length	154.00
6059		Providing and fixing in position copper plate as per design for expansion joint	sq.m	347.00
6060		Deduct for omitting in RCC work smooth finishing of the exposed surface with 6mm thick cement mortar 1:3 (1 cement: 3 fine sand)	sq.m	85.00
6061		Extra for laying Reinforced cement concrete in or under water and/or liquid mud including	cu.m/depth	203.00

		cost of pumping or bailing out water and removing slush etc. complete		
6062		Extra for laying reinforced cement concrete in or under foul positions	cu.m	77.00
6063		Providing and fixing sheet fixing covering over expansion joints with iron screws as per design to match the colour/shade of the wall treatment Non-Asbestos fibre cement board 6mm thick as per I.S. 14862		
	i)	150mm wide	m	82.00
	ii)	200mm wide	m	103.00
6064		Providing and fixing G.I. sheet of 26 S.W.G. for using in construction/Expansion joint wherever necessary as per directions of the Engineer-in-Charge.	m	403.00
6065		Providing and laying in position <u>machine batched concrete</u> (BMC), machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to the site of laying but excluding the cost of centering , shuttering, finishing and reinforcement including admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing the strength and durability as per the direction of the Engineer-in-charge. M25 grade of reinforced cement concrete by using 410kg of cement per cu.m. of concrete. All works upto floor V level.	cu.m	5649.00
6066		Deduct for providing leaner mixes respectively at all floor levels		
	1	Providing M-15 grade concrete by using 325kgs of cement per cu.m of concrete instead of M-25 grade of <u>B.M.C.</u>	cu.m	616.00
	2	Providing M-20 grade concrete by using 400kgs of cement per cu.m of concrete instead of M-25 grade of B.M.C.	cu.m	74.00
6067		Add for providing richer or leaner mixes respectively at all floor levels		
	i)	Providing M-30 grade concrete by using 420kgs of cement per cu.m. of concrete instead of M-25 grade of B.M.C.	cu.m	74.00
	ii)	Providing M-35 grade concrete by using 428kgs of cement per cu.m. of concrete instead of M-25 grade of B.M.C.	cu.m	132.00
	iii)	Providing M-40 grade concrete by using 435kgs of cement per cu.m. of concrete	cu.m	185.00

		instead of M-25 grade of B.M.C.		
6068		Deduct for using less cement than the quality as provided in the item of batch mix concrete as arrived as per the mix design	qtl	720.00
6069		Providing and laying in position <u>ready mixed concrete</u> (RMC) manufactured in fully automatic batching plant and transported to site if work in transit mixer for a lead upto 10kms having continuous agitated mixer, manufactured as per mix design of specified grade fir reinforced cement concrete work including pumping of <u>R.M.C.</u> , from the transit mixer to the site of laying, excluding the cost of centering, shuttering, finishing and reinforcement including the cost of admixtures in recommended proportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per the directions of the engineer-in-charge. All works upto floor V level		
	i	M-10 grade of concrete	cu.m	4759.00
	ii	M-15 grade of concrete	cu.m	5028.00
	iii	M-20 grade of concrete	cu.m	5297.00
	iv	M-25 grade of concrete	cu.m	5490.00
	v	M-30grade of concrete	cu.m	5673.00
	vi	M-35 grade of concrete	cu.m	5976.00
	vii	M-40 grade of concrete	cu.m	6245.00
6070		Extra for RCC with B.M.C/R.M.C work (with pump) above floor five level for each four floors or part thereof	cu.m	174.00
6071		Extra for carriage of R.M.C. beyond the initial lead of 10 kms.	cu.m./km	23.00
6072		Providing & applying Rustonil (P.no.569) or equivalent for removing rust & phospating of steel structures or steel reinforcement in RCC to be applied in 1 coat (it necessary then 2nd coat) before application of bonding agent.	sq.m	205.00
6073		Extra for reinforced concrete work in super structure above floor five level for every four floors or part thereof.	cu.m	261.00
6074		Extra for shuttering in circular work	sq.m	20%
6075		Providing and fixing precast reinforced concrete door frames of ASTRA make or equivalent in M25 grade concrete and reinforced with minimum three bars of 6 mm dia and confirming to IS:6523. The frames shall be manufactured in approved factory with all the necessary arrangements for fixing		

		hinges, tower bolts by way of inserted PVC blocks and holes for receiving sliding bolts as specified. Sectional size of frame with single rebate : 60X 100 mm		
	i)	2100 X 750 mm	m	307.00
	ii)	2100 X 900 mm	m	306.00
	iii)	2100 X 1000 mm	m	306.00
	iv)	2050 X 750 mm	m	307.00
	v)	2050 X 900 mm	m	306.00
	vi)	2050 X 1000 mm	m	306.00
6076		Providing and laying reinforced cement concrete of grade M-25 (Mix design) with coarse sand & graded granitic or basaltic stone Aggregate 20 mm nominal size as per mix design requirement excluding plastering & cost of centering/shuttering & reinforcement. including admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing the strength and durability as per the direction of the Engineer in charge. M-25 grade of reinforced cement concrete by using 410 kg of cement per cu.m of concrete. All works upto floor five level.	cu.m	5446.00

CHAPTER VII

WOOD WORK

Sr. No	Description	Unit	Rate
	Providing woodwork in frames of doors, windows, clerestory windows trusses & other frames wrought framed and fixed in position.		
7001	a) First class Indian teak wood	cu.m	114049.00
	b) Second class Indian teak wood	cu.m	102941.00
	c) First class matti wood	cu.m	60897.00
	d) Second class matti wood	cu.m	55993.00
7002	Providing wood work in frames of false ceiling, partitions etc., sawn and put up in position.		
	a) Second class matti wood	cu.m	54680.00
7003	Providing and fixing woodwork wrought, framed and fixed in position in purlins common rafters, bressumers, wall plates joists and the like in roof work.		
	a) Second class Indian teak wood	cu.m	97921.00
	b) First class matti wood	cu.m	57675.00
	Second class matti wood	cu.m	52793.00
7004	Providing & fixing 20 mm caves barge boards 1 st class matti wood	sq.m	1771.00
7005	Providing & fixing 20 mm caves barge boards 2 nd class matti wood	sq.m	1678.00
7006	Providing and fixing 50 mm thick paneled glazed or paneled and glazed shutters for doors, windows and clerestory window including anodized aluminum butt hinges with necessary screws:		
	a) First class Indian teak wood	sq.m	5470.00
	b) Second class Indian teak wood	sq.m	4986.00
7007	Providing and fixing 44 mm. thick paneled, glazed or paneled and glazed shutters for doors, windows and clerestory windows including anodized aluminum butt hinges with necessary screws.		
	a) Second class Indian teak wood	sq.m	4514.00
7008	Providing and fixing 38 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including anodized aluminum butt hinges with necessary screws:		
	a) Second class Indian teak wood	sq.m	4194.00
7009	Providing and fixing 38 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including black enameled iron butt hinges		

		with necessary screws:		
	a)	Second class Indian teak wood	sq.m	4071.00
	b)	Nano or equivalent	sq.m	1845.00
7010		Providing and fixing 35 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including anodized aluminum butt hinges with necessary screws:		
	a)	First class Indian teak wood	sq.m	4339.00
	b)	Second class Indian teak wood	sq.m	3967.00
7011		Providing and fixing 35 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including black enameled iron butt hinges with necessary screws:		
	a)	Second class Indian teak wood	sq.m	3842.00
	b)	Nano or equivalent	sq.m	1762.00
7012		Deduct if 38 mm or 35 mm thick fixed shutters (without hinges are provided instead of open able shutters for doors, windows or clerestory windows with:		
	a)	Anodized aluminum butt hinges with necessary screws :		
		For second class teak wood and other inferior class of wood shutters.	sq.m	312.00
	b)	Black enameled iron hinges with necessary screws	sq.m	185.00
7013		Providing and fixing 25 mm thick panelled and glazed shutters for cupboards etc. in 2 nd class Indian teak wood including anodized butt hinges with necessary screws.	sq.m	3203.00
7014		Providing and fixing 25 mm thick panelled glazed or panelled and glazed shutters for cupboards etc. including black enameled iron hinges with necessary screws.		
	a)	Second class Indian teak wood	sq.m	3056.00
	b)	Nano or equivalent	sq.m	1530.00
7015		Extra for superior type of glass panes used instead of ordinary glass panes in glazed or paneled and glazed doors, windows, clerestory windows (total area of shutters to be measured).	sq.m	18.00
7016		Providing & fixing flush door shutters decoration type core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains and cross bands and face veneers on both faces of		

		shutters.		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2982.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2770.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2464.00
	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2420.00
7017		Providing and fixing flush doors shutters commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering and vertical grains or cross bands and face veneers on the both other faces of shutters.		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2974.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2763.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2473.00
	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2420.00
7018		Providing and fixing flush door shutters, core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains or cross band and face veneers on one face and commercial ply veneering with vertical grains or cross bands and face veneer on other face of shutters.		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	4004.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2405.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2147.00
	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2046.00
7019		Providing and fixing flush door shutters decorative type core of particle board (medium density) construction with frame of first class hard wood and well matched teak		

		ply veneering with vertical grains or cross bands and face veneer on both faces of shutters.		
	a)	25 thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2420.00
7020		Providing and fixing flush doors shutters commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering and vertical grains or cross bands and face veneers on the both faces of shutters.		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2560.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2527.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2310.00
	d)	25 mm thick (for cupboard including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2208.00
7021		Providing and fixing flush door shutter core of particle board (medium density) construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains or cross band and face veneer on one face & commercial ply veneering with vertical grain		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	3090.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2768.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2201.00
	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	1628.00
7022		Providing and fixing flush door decorative type cellular core construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2636.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2259.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	1773.00

	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	1517.00
7023		Providing and fixing flush doors shutters commercial type, cellular core construction with frame of first class hard wood and well matched commercial play veneering and vertical grains or cross bands and face veneers on the both other faces of shutters.	sq.m	
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2560.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2527.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2405.00
	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2208.00
7024		Providing and fixing flush door shutters of cellular core construction with frame of first class hardwood and well matched first class Indian teak ply veneering with vertical grains or cross band and face cover on one face and commercial ply veneering with vertical grain or cross band and face veneer another face of shutter.		
	a)	40 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2881.00
	b)	35mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2754.00
	c)	30 mm thick including anodized aluminum butt hinges with necessary screws:	sq.m	2626.00
	d)	25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws.	sq.m	2464.00
7025		Providing & fixing flush door shutters of solid core construction with plywood panel fixed on either side of the shutters along with polymer sheet overlaid on the exterior surface (wooden or equivalent) as per manufacturers specifications with second class Indian teak wood lipping (not less than 6 mm thick) all round 30 mm thick shutter with bright finished brass hinges 100 x 70 x 4 mm with brass screws.	sq.m	2549.00
7026		Providing and fixing factory made panel doors made of kiln seasoned and preservative treated hardwood & rails vertical stiles & top rail of 100 mm width, bottom rails and lock rail of 175 mm, width & panels made of 12 mm		

		thick both sides commercial, veneered teakwood particle board blended with formaldehyde phenol synthetic resin adhesive conforming to I.S. 3097 of 1965		
		40 mm thickness with anodized aluminum hinges (100 x 75 x 4mm) with C.P. brass screws.	sq.m	2886.00
		35 mm thickness with anodized aluminum hinges (100 x 75 x 4mm) with C.P. brass screws.	sq.m	2816.00
		30 mm thickness with anodized aluminum hinges (100 x 75 x 4mm) with C.P. brass screws.	sq.m	2688.00
7027		Extra for providing vision panel not exceeding 0.1 sq.m. in all types of flush doors (cost of glass excluded).		
	a)	Rectangular or square Unit: SQ.M. door area	sq.m	77.00
	b)	Circular: Unit : sq.m. Door area	sq.m	79.00
7028		Extra if louvers not exceeding 0.2 sq.m. are provided in flush door shutters.		
	a)	Decorative type door. Unit: SQ.M. door area.	sq.m	62.00
	b)	Commercial type door : Unit: SQ.M. door area	sq.m	41.00
7029		Extra for cutting rebate in flush door shutter (total area of the door to be measured)	sq.m	50.00
7030		Providing and fixing 38 mm thick battened and framed door shutters including bright finished or and black enameled iron hinges with necessary screws.		
	a)	Second class Indian teak wood	sq.m	3703.00
	b)	Nano or equivalent	sq.m	1611.00
7031		Providing and fixing 19 mm thick battened door and window shutters with necessary ledges and braces (25 mm) including bright finished or and black enamelled iron hinges with necessary screws.		
	a)	Second class Indian teak wood	sq.m	3671.00
	b)	Nano or equivalent	sq.m	1286.00
7033		Providing and fixing 38 mm thick wire gauze shutters, using galvanized m.s. wire gauze of i..s. gauze designation 85 g with wire of dia 0.71mm for doors, windows and clerestory windows including M.S oxidized butt hinges and necessary with necessary screws.		
	a)	Second class Indian teak wood	sq.m	3254.00
7034		Providing and fixing 30 mm thick wire gauze shutters, using galvanized m.s. wire gauze of i..s. gauze designation 85 g with wire of dia 56 mm for doors, windows and clerestory windows including anodized aluminum butt		

		hinges and necessary with necessary screws.		
	a)	Second class Indian teak wood	sq.m	3112.00
7035		Providing and fixing 30 mm thick wire gauze shutters, using galvanized m.s. wire gauze of i.s. gauze designation 85 g with wire of dia 0.56 mm for doors, windows and clerestory windows including bright finished or/and black enamelled iron hinges with necessary screws.		
	a)	Second class Indian teak wood	sq.m	2523.00
7036		Providing and fixing 38 mm thick louvered shutters with fixed or movable venetians 12 mm thick for windows including bright finished or and black enamelled, iron hinges with necessary screws.		
	a)	Second class Indian teak wood	sq.m	3770.00
7037		Providing and fixing louvers 50 mm wide in grooves in clerestory window frames excluding the cost of frames.		
	a)	Second class Indian teak wood 12 mm thick	sq.m	1740.00
	b)	Glass sheets 3 mm thick	sq.m	513.00
	c)	Frosted glass sheets 3mm thick	sq.m	817.00
7038		Providing and fixing plain jaffri of 38 mm x 12 mm laths placed 38 mm apart (frame to be paid separately) including fixing 50 mm x 12 mm beading complete with.		
	a)	Nano or equivalent	sq.m	915.00
	b)	Second class Indian teak wood	sq.m	1906.00
7039		Providing & fixing half split coconut wood rafters purlins, ridges, bressumers, wall plates and like in the roof work including splitting chipping planning, chiselling etc. complete;	m	97.00
7040		Providing & fixing 1/3 rd split (one third) coconut wood rafters, purlins, bressumers and like in the roof work including splitting, chipping, planning, chiselling etc. complete.	m	74.00
7041		Providing and fixing compound gates as per standard design including M.S. straps, clamps pintals sets with pin clamps fixed in cement concrete blocks 50 x 30 x 20 cm of 1:3:6 mix aggregate 20 mm nominal size complete with		
	a)	Second class Indian teak wood	sq.m	4251.00
	b)	Nano or equivalent	sq.m	1820.00
7042		Providing 2 nd class 50 x 50x 50 m Indian teak wood plugs including cutting brickwork and fixing in cement mortar 1:3 (1 cement: 3 fine sand)	each	17.00

7043		Providing and fixing 4 mm thick plywood plain lining with necessary screws, priming coat on unexposed surface etc. complete with		
	a)	Teak ply facing of approved manufacture	sq.m	670.00
	b)	Commercial ply facing of approved manufacture	sq.m	555.00
7044		Providing and fixing first class Indian teak wood moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surfaces etc.		
	a)	50 x 12 mm	m	116.00
7045		Providing & fixing 12 mm thick & 100 mm wide pelmet with 25 mm diameter, wooden curtain rod and bracket including fixing within 25 x 3 mm flat 10 cm long and plugs etc. complete.		
	a)	First class Indian teak wood	m	504.00
	b)	Second class Indian teak wood	m	341.00
7046		Providing and fixing curtain rods of 1.25 mm thick anodized aluminum plates brackets in pelmet instead of wooden curtain rods of 25 mm diameter and brackets (actual length of rods to be measured).		
	a)	12 mm dia.	m	598.00
7047		Providing and fixing first class Indian teak wood by 4 mm thick in partitions including fixing to frames with brass screws etc. complete with 50 x 12 mm first class Indian teak wood beading (frame to be paid separately).	sq.m	576.00
7048		Providing and fixing plain asbestos cement sheet 4 mm thick in partition including fixing to frames with brass screws etc. complete with 50 x 12 nano wood beading (frames to be paid separately).	sq.m	431.00
7049		Providing and partition in partition 4 mm thick hard board of approved quality including fixing in frames with brass screws etc. complete with 50 x 12 mm second class Indian teak wood beading (frame to be paid separately).	sq.m	312.00
7050		Providing flat iron hold fast 40 cm including fixing to frame with 10 mm dia bolts, nuts and wooden plugs and embedded in cement concrete block 30 x 10 x 15 cm 1:3:6 mix (1 cement: 3 coarse sand: 6 stone aggregate 20 mm nominal size).		
	a)	40 x 3 mm flat iron hold fast 40 cm long	each	79.00
	b)	40 x 3 mm flat iron hold fast, 15 cm long	each	56.00

7051		25 mm thick wooden shelves supported on 40 x 40 x 6 mm T or L iron brackets fixed at suitable distances but not exceeding 7 cm apart in 7.5 x 7.5 x 15 cm blocks of cement concrete mix 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm. nominal size) with		
	a)	Second class Indian teak wood	sq.m	3406.00
	b)	Nano or equivalent	sq.m	1629.00
7052		Providing and fixing M.S. round or square bars at required spacing in wooden frames of windows and clerestory windows.	kg	67.00
7053		Providing and fixing M.S. round or square bars with M.S. flats at required spacing's in wooden frames of windows & clerestory windows.	kg	63.00
7054		Providing and fixing M.S. grill of required pattern in wooden frames of Windows etc. with M.S. flats square or round bars with round headed bolts and nuts or by screws.		
	a)	Plain grill	kg	80.00
	b)	Ornamental grill	kg	96.00
7055		Providing and fixing expanded metal 20 x 60 mm strands 3.25 mm wide & 1.6 mm thick for windows etc. including 62 x 19 mm beading of second class Indian Teak Wood.	sq.m	746.00
7056		Providing and fixing fly proof galvanized M.S. wire gauge of I.S. gauge designation 140 g. with wire of dia. 0.56 mm to windows and clerestory windows including 62 x 19 mm beading of second class Indian wood .	sq.m	792.00
7057		Providing beams including hoisting fixing in position & applying wood preservative for unexposed surfaces etc. complete with.		
	a)	First class matti wood	cu.m	59035.00
7058		Providing joist (karries) including hoisting, fixing in position and applying wood preservative on unexposed surface etc. complete with.		
	b)	First class matti wood	cu.m	57008.00
7059		Providing and fixing jungle wood ballies in posts, purlins rafters posts plates etc. including cast iron nails & spikes required and applying wood preservative on all exposed surfaces.		
	a)	80 mm dia	m	52.00
	b)	100 mm dia.	m	152.00
	c)	125 mm dia.	m	174.00
	d)	150 mm dia.	m	248.00
7060		Providing and fixing jungle wood ballies in		

		trusses including cost of iron nails and spikes required and applying wood preservative on all exposed surfaces.		
	a)	80 mm dia	m	72.00
	b)	100 mm dia.	m	169.00
	c)	125 mm dia.	m	188.00
	d)	150 mm dia.	m	258.00
7061		Providing and fixing bright finished brass butt hinges with necessary screws etc complete		
	a)	125 x 70 x 4 mm (ordinary type)	each	158.00
	b)	100 x 70 x 4 mm (ordinary type)	each	113.00
	c)	75 x 40 x 2.5mm (ordinary type)	each	93.00
	d)	50x40x2.5mm (ordinary type)	each	66.00
7062		Providing and fixing bright finished brass parliamentary hinges with necessary screws etc complete		
	a)	100 x 125 x 27 mm x 5 mm	each	417.00
	b)	75 x 100 x 20 x 3.2 mm	each	287.00
7063		Providing and fixing bright finished brass single acting spring hinges with necessary screws etc complete		
	a)	150 mm	each	498.00
	b)	125 mm	each	353.00
	c)	100 mm	each	326.00
7064		Providing and fixing bright finished brass double acting spring hinges with necessary screws etc complete		
	a)	150 mm	each	474.00
	b)	125 mm	each	353.00
	c)	100 mm	each	312.00
7065		Providing and fixing bright finished brass rising hinges with necessary screws etc complete (left or right)		
	a)	150 mm	each	474.00
	b)	125 mm	each	342.00
	c)	100 mm	each	273.00
7066		Providing and fixing bright finished brass sliding door bolts with nuts and screws etc complete		
	a)	300 x 16 mm	each	640.00
	b)	250 x 16 mm	each	524.00
7067		Providing and fixing bright finished brass tower bolts (barrel type) with screws etc. complete		
	a)	250 x 10 mm	each	332.00
	b)	200 x 10 mm	each	285.00
	c)	150 x 10 mm	each	214.00
	d)	100 x 10 mm	each	201.00
7068		Providing and fixing bright finished brass		

		flush bolts with necessary screws etc complete		
	a)	250 mm	each	384.00
	b)	150 mm	each	202.00
	c)	100 mm	each	146.00
7069		Providing and fixing bright finished brass handles with necessary screws etc complete		
	a)	125 mm	each	111.00
	b)	100 mm	each	88.00
7070		Providing and fixing bright finished brass door latch with necessary screws etc complete		
	a)	300x 16 x 5 mm	each	655.00
	b)	250 x 16 x 5 mm	each	581.00
7071		Providing & fixing bright finished brass 100 mm. mortice latch & lock & a pair of levers, handles with necessary screws etc. complete (Indian make of approved quality).	each	786.00
7072		Providing & fixing bright finished brass 100 mm. rim latch & lock & a pair of knob, with necessary screws etc. complete (Indian make of approved quality).	each	693.00
7073		Providing and fixing 50-mm. bright finished brass cupboard or wardrobe knob.	each	84.00
7074		Providing and fixing 150 mm. bright finished brass floor door stopper with rubber cushion screws etc. to suit shutter thickness complete.	each	164.00
7075		Providing and fixing bright finished brass hard drawn hooks and eyes.		
	a)	300 mm	each	64.00
	b)	250 mm	each	52.00
	c)	200 mm	each	46.00
	d)	150 mm	each	40.00
	e)	100 mm	each	35.00
7076		Providing and fixing bright finished brass quadrant stays with necessary screws etc. complete	each	98.00
7077		Providing and fixing bright finished brass fan light catch with necessary screw etc. complete	each	59.00
7078		Providing and fixing bright finished brass ball catcher 10 mm dia.	each	60.00
7079		Providing and fixing 300 mm long bright finished brass chain with hooks for fan light including necessary screws etc. complete.	each	31.00
7080		Providing and fixing bright finished brass hasp and staples (safety type) with necessary screws etc. complete.		
	a)	150 mm	each	112.00
	b)	115 mm	each	75.00
	c)	90 mm	each	69.00

7081		Providing and fixing 65 x 35 mm. special quality bright finished brass cupboard locks with six levers of reputed firms such as Godrej or equivalent including necessary screws etc. complete.	each	264.00
7082		Providing and fixing bright finished brass helical door spring superior quality.	each	304.00
7083		Providing and fixing brass hydraulic door closer of make Everest universal 68 or equivalent with necessary screws and fittings complete.	each	1847.00
7084		Providing and fixing chromium plated brass butt hinges with necessary screws etc. complete		
	a)	125 x 70 x 4.0mm (ordinary type)	each	182.00
	b)	75 x 40 x 2.5 mm (ordinary type)	each	125.00
	c)	50 x 40 x 2.5 mm (ordinary type)	each	86.00
7085		Providing and fixing chromium plated brass parliamentary hinges with necessary screws etc. complete		
	a)	100 x 125 x 27 x 5 mm	each	200.00
	b)	75 x 100 x 20 x 3.2 mm	each	252.00
7086		Providing and fixing chromium plated brass single action spring hinges with necessary screws etc. complete		
	a)	150 mm.	each	495.00
	b)	125mm	each	351.00
	c)	100 mm	each	322.00
7087		Providing and fixing chromium plated brass double acting spring hinges with necessary screws etc. complete.		
	a)	150 mm	each	451.00
	b)	125mm	each	337.00
	c)	100mm	each	292.00
7088		Providing and fixing chromium plated brass rising hinges with necessary screws etc. complete. (right or left)		
	a)	150 mm	each	471.00
	b)	125 mm	each	374.00
	c)	100 mm	each	318.00
7089		Providing and fixing chromium plated brass sliding door bolt with bolts, nuts and screws etc. complete.		
	a)	300 x 16 mm	each	358.00
	b)	250 x 16 mm	each	324.00
7090		Providing and fixing chromium plated brass tower (barrel type) with necessary screws etc. complete		
	a)	300 x 16 x 5 mm	each	766.00

	b)	250 x 16 x 5 mm	each	631.00
7091		Providing & fixing chromium plated brass tower bolts (barrel type) with necessary screws complete.		
	a)	250 x 10 mm	each	396.00
	b)	200 x 10 mm	each	321.00
	c)	150 x 10 mm	each	238.00
	d)	100 x 10 mm	each	196.00
7092		Providing and fixing chromium plated brass flush bolts with necessary screws etc. complete		
	a)	250 mm	each	251.00
	b)	150 mm	each	202.00
	c)	100 mm	each	132.00
7093		Providing and fixing chromium plated brass handle with necessary screws etc. complete		
	a)	125 mm	each	164.00
	b)	100 mm	each	141.00
	c)	75 mm	each	118.00
7094		Provided and fixing chromium plated brass 100 mm. mortice latch and a pair of levers and handles with necessary screws etc. complete (Indian make of approved quality).	each	757.00
7095		Provided and fixing chromium plated brass 100-mm. rim latch and lock and a pair of knobs with necessary screws etc. complete (Indian make of approved quality).	each	702.00
7096		Providing and fixing chromium plated brass 50 mm cupboard or wardrobes knobs with nuts complete	each	27.00
7097		Provided and fixing 150 mm chromium plated brass floor door stopper with rubber cushion screws etc. to suit shutters thickness complete.	each	201.00
7098		Providing and fixing chromium plated brass hard drawn hooks and eyes		
	a)	300 mm. Unit: per hook and eye	each	40.00
	b)	250 mm. Unit: per hook and eye	each	35.00
	c)	200 mm. Unit: per hook and eye	each	33.00
	d)	150 mm. Unit: per hook and eye	each	28.00
	e)	100 mm. Unit: per hook	each	23.00
7099		Providing and fixing chromium plated brass hasp and staple (safety type) with necessary screws etc. complete		
	a)	150 mm	each	54.00
	b)	115 mm	each	43.00
7100		Providing and fixing 65 x 35 mm special quality chromium plated brass cupboards lock with six levers including necessary screws etc.	each	195.00

		complete.		
7101		Providing and fixing M.S. pressed butt hinges bright finished with necessary screws etc. complete.		
	a)	125 x 65x 2.12mm	each	67.00
	b)	100 x 50 x 1.90 mm	each	54.00
	c)	75 x 47 x 1.70 mm	each	36.00
	d)	50 x 37 x 1.50 mm	each	23.00
7102		Providing and fixing M.S. pressed parliamentary hinges with necessary screws etc. complete.		
	a)	150 x 125 x27x2.80 mm	each	96.00
	b)	125x125x27x1.80 mm	each	78.00
	c)	100x125x27x1.80 mm	each	54.00
	d)	75 x 100x20x2.24 mm	each	41.00
7103		Providing and fixing M.S. single acting spring hinges bright finished with necessary screws etc. complete.		
	a)	150 mm	each	380.00
	b)	125 mm	each	316.00
	c)	100 mm	each	283.00
7104		Providing and fixing M.S. double acting spring hinges bright finished with necessary screws etc. complete.		
	a)	150 mm	each	543.00
	b)	125 mm	each	432.00
	c)	100 mm	each	371.00
7105		Providing 1mm thick M.S. piano hinges finished with brass plating flange being 35 mm wide & fixing with necessary screws.	m	362.00
7106		Providing 1mm thick M.S. piano hinges finished with nickle plating, flange being 35 mm wide & fixing with necessary screws.	m	436.00
7107		Providing and fixing M.S. Tee hinges bright finished or and black enameled, with necessary screws etc. complete		
	a)	300 x 115x2.24 mm	each	47.00
	b)	250x100x2.24 mm	each	44.00
7108		Providing & fixing ms. Sliding door bolts bright finished or and black enameled with nuts and screws etc. complete		
	a)	300 x 16 mm	each	311.00
	b)	250 x 16 mm	each	248.00
7109		Providing and fixing M.S. door latch with screws etc. complete		
	a)	300 x 20 x 6 mm	each	58.00
	b)	250 x 20 x 6 mm	each	53.00
7110		Providing and fixing M.S. tower bolts (barrel		

		type) with necessary screws etc. complete		
	a)	250 x 10 mm	each	135.00
	b)	200 x 10 mm	each	121.00
	c)	150 x 10 mm	each	106.00
	d)	100 x 10 mm	each	94.00
7111		Providing and fixing M.S. handles with necessary screws etc. complete.		
	a)	125 mm	each	38.00
	b)	100 mm	each	98.00
	c)	75 mm	each	74.00
7112		Providing and fixing M.S. hooks and eyes		
	a)	300 mm	each	14.00
	b)	250 mm	each	12.00
	c)	200 mm	each	10.00
	d)	150 mm	each	9.00
7113		Providing and fixing M.S. fan light pivots with necessary screws etc. complete	each	33.00
7114		Providing and fixing 300 mm long M.S. chain with hook for fan light including necessary screws etc. complete.	each	54.00
7115		Providing and fixing M.S. safety hasp and staple with necessary screws etc. complete		
	a)	150 mm	each	30.00
	b)	115 mm	each	26.00
	c)	90 mm	each	25.00
7116		Providing and fixing bright finished or and black enamelled iron helical door spring	each	331.00
7117		Providing and fixing oxidized M.S. pressed butt hinges bright finished with necessary screws etc. complete.		
	a)	125 x 65 x 2.12 mm	each	78.00
	b)	100 x 50 x 1.90 mm	each	65.00
	c)	75x47x1.70mm	each	45.00
	d)	50x3x1.50 mm	each	31.00
7118		Providing and fixing oxidized M.S. pressed parliamentary hinges with necessary screws etc. complete.		
	a)	150x125x27x2.80mm	each	106.00
	b)	125x125x27x2.80mm	each	89.00
	c)	100x125x27x2.80mm	each	64.00
	d)	75x100x20x2.24mm	each	51.00
7119		Providing and fixing oxidized M.S. single acting spring hinges bright finished with necessary screws etc. complete.		
	a)	150 mm	each	135.00
	b)	125 mm	each	112.00
	c)	100 mm	each	99.00
7120		Providing and fixing oxidized M.S. double acting spring hinges bright finished with		

		necessary screws etc. complete.		
	a)	150 mm	each	93.00
	b)	125 mm	each	79.00
	c)	100 mm	each	72.00
7121		Providing 1 mm thick oxidized MS piano hinges finished with brass plating flange being 35 m wide and fixing with necessary screws.	m	455.00
7122		Providing 1 mm thick MS piano hinges finished with nickle plating flange being 35 m wide and with necessary screws.	m	529.00
7123		Providing and fixing oxidized MS tee hinges bright finished or and black enamelled with necessary screws etc. complete.		
	a)	300x115x2.24mm	each	57.00
	b)	250x100x2.24 mm	each	51.00
7124		Providing and fixing oxidized M.S. sliding door bolts with nuts and screws etc. complete		
	a)	300 x 16 mm	each	78.00
	b)	250 x 16mm	each	63.00
7125		Providing and fixing oxidized M.S. door latch with necessary screws etc. complete		
	a)	300x20x6mm	each	79.00
	b)	250x20x6mm	each	60.00
7126		Providing and fixing oxidized M.S. tower bolts (barrel type) with necessary screws etc. complete		
	a)	250 x 10 mm	each	42.00
	b)	200 x 10 mm	each	37.00
	c)	150 x 10 mm	each	31.00
	d)	100 x 10 mm	each	30.00
7127		Providing and fixing oxidized M.S. handles with necessary screws etc. complete		
	a)	125 mm	each	29.00
	b)	100 mm	each	26.00
	c)	75 mm	each	24.00
7128		Providing and fixing oxidized M.S. hooks and eyes		
	a)	300 mm	each	20.00
	b)	250 mm	each	18.00
	c)	200 mm	each	16.00
	d)	150 mm	each	15.00
	e)	100 mm	each	13.00
7129		Providing and fixing MS safety hasp and staple with necessary screws etc. complete		
	a)	150 mm	each	40.00
	b)	115 mm	each	36.00
	c)	90 mm	each	34.00

7130		Providing and fixing aluminum butt hinges anodized transparent or dyed to required colour or shade with necessary screw etc. complete.		
	a)	125x75x4 mm	each	158.00
	b)	100 x 75 x 4 mm	each	122.00
	c)	75x45x3.2 mm	each	93.00
	d)	50x45x3.2mm	each	53.00
7131		Providing and fixing anodized aluminum sliding door bolt anodized transparent or dyed required colour and shade with bolts, nuts and screws etc. complete:		
	a)	300 x 16 mm	each	271.00
	b)	250 x 16 mm	each	239.00
7132		Providing and fixing aluminium tower bolt (barrel type) anodized or dyed to required colour or shade with screws etc. complete.		
	a)	300 x 10 mm	each	67.00
	b)	250 x 10 mm	each	60.00
	c)	200 x 10 mm	each	52.00
	d)	150 x 10 mm	each	43.00
	e)	100 x 10 mm	each	34.00
7133		Providing and fixing aluminum handle anodized or dyed to required colour or shade with screws etc. complete.		
	a)	125 mm	each	32.00
	b)	100 mm	each	26.00
	c)	75 mm	each	24.00
7134		Providing and fixing 50 cm long aluminum kicking plate 100 x 15 mm anodized transparent or dyed to required colour or shade with necessary screws etc. complete.	each	131.00
7135		Providing and fixing anodized aluminum flat latch		
	a)	300 mm	each	193.00
	b)	200 mm	each	170.00
7136		Providing and fixing anodized aluminum hooks and eyes.		
	a)	150 mm	each	15.00
	b)	100 mm	each	10.00
7137		Providing and fixing anodized aluminum hasps and staples		
	a)	100 mm	each	83.00
	b)	150 mm	each	94.00
7138		Providing and fixing anodized aluminum windows stay.		
	a)	300 mm narrow line with five adjustments	each	170.00
	b)	250 mm narrow line with four adjustments	each	146.00
	c)	200 mm narrow line with three adjustments	each	104.00

7139		Providing and fixing anodized aluminum mortice lock lever type handle (without lock)	each	595.00
7140		Providing and fixing anodized aluminum mortice lock knob type handle (without lock)	each	544.00
7141		Providing and fixing anodized aluminum pivot hinge 62 mm	each	56.00
7142		Providing and fixing parliamentary hinges with nylon washers		
	a)	100 x 31.75x4.76 mm	each	174.00
7143		Providing and fixing anodized aluminum ventilator latch 75 mm.	each	332.00
7144		Providing and fixing anodized aluminum finger push plate		
	a)	87 x 225 mm	each	77.00
	b)	75 x 150 mm	each	71.00
7145		Providing and fixing factory made panelled door shutter fabricated out of second class teak wood with styles top and middle rail and lock and bottom rail, with Navopan or equivalent plain particle board exterior grade as per IS-3087 (1985) type I including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	12 mm thick panel (i) 38 mm thick panel	sq.m	3775.00
	b)	12 mm thick panel (ii) 35 mm thick panel	sq.m	3612.00
	c)	12 mm thick panel (iii) 30 mm thick panel	sq.m	4606.00
	d)	18 mm thick panel (i) 38 mm thick panel	sq.m	3880.00
	e)	18 mm thick panel (ii) 35 mm thick panel	sq.m	3717.00
	f)	18 mm thick panel (ii) 30 mm thick panel	sq.m	4711.00
7146		Providing and fixing factory made panelled door shutter fabricated out of Nano or equivalent wood with styles top and middle rail and lock and bottom rail, with Navopan or equivalent plain particle board exterior grade as per IS -3087 (1985) type I including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	12 mm thick panel (i) 38 mm thick panel	sq.m	2080.00
	b)	12 mm thick panel (ii) 35 mm thick panel	sq.m	2020.00
	c)	12 mm thick panel (iii) 30 mm thick panel	sq.m	1937.00
	d)	18 mm thick panel (i) 38 mm thick panel	sq.m	2184.00
	e)	18 mm thick panel (ii) 35 mm thick panel	sq.m	2125.00
	f)	18 mm thick panel (iii) 30 mm thick panel	sq.m	2042.00
7147		Providing and fixing 12 mm sheets flat pressed three layered melamine faced prelaminate wood based particle board bonded with BWP/BWR exterior grade synthetic resin penaling / cladding as for wall panelling / cladding as per IS-3087 (1985)		

		type I one side approved shade and other side balancing white lamination of Novapan make or equivalent to be fixed to frames by cleats, leaving expansion allowance of 6 MM in between each panel. The width of the panel can be 1.5 feet/2 feet/3 feet as per Architects discretion.		
	a)	Second class teak wood.	sq.m	940.00
	b)	Nano / kinal or equivalent	sq.m	658.00
7148		Providing and fixing in position single skin partition with second class teak wood, frame in 2.5" x 1.5" and with BWP/BWR exterior grade synthetic resin as per IS-3087 (1985) type I on the edges of Navopan or equivalent. One side shade of approved lamination and other side white balancing lamination (PLX) on both sides it lamination of approved shade (PTX).	sq.m	1111.00
7149		Providing and fixing position 62 mm thick double skin partition with frame in size 75 x 38 mm and internal frame of 50 mm x 38mm and fixing of 12 mm thick flat pressed melamine faced three layered prelaminate wood based particle board with exterior grade BWP /BWR synthetic resin as per IS-3087 (1985) type I on the edges of Navopan make or equivalent. One side shade of approved lamination and other side white balancing lamination		
	A)	Second class teak wood	sq.m	1649.00
	B)	Nano / equivalent	sq.m	1178.00
7150		Providing and fixing factory made panelled door shutter fabricated out of second class teak wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced prelaminate twin particle board - bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	12 mm thick panel (i) 38 mm thick	sq.m	3639.00
	b)	12 mm thick panel (ii) 35 mm thick	sq.m	3476.00
	c)	12 mm thick panel (iii) 30 mm thick	sq.m	4470.00
	d)	18 mm thick panel (i) 38 mm thick	sq.m	3904.00
	e)	18 mm thick panel (ii) 35 mm thick	sq.m	3741.00
	f)	18 mm thick panel (iii) 30 mm thick	sq.m	4735.00

7151		Providing and fixing factory made panelled door shutter fabricated out of nano or equivalent wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced prelaminated twin particle board - bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodized aluminum butt hinges with necessary screws etc. completed.		
	a)	12 mm thick panel (i) 38 mm thick	sq.m	2099.00
	b)	12 mm thick panel (ii) 35 mm thick	sq.m	2039.00
	c)	12 mm thick panel (iii) 30 mm thick	sq.m	1956.00
	d)	18 mm thick panel (i) 38 mm thick	sq.m	2208.00
	e)	18 mm thick panel (ii) 35 mm thick	sq.m	2149.00
	f)	18 mm thick panel (iii) 30 mm thick	sq.m	2066.00
7152		Providing and fixing factory made panelled door shutter fabricated out of second class teak wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced flat pressed three layered prelaminated wood based particle board bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	12 mm thick panel (i) 38 mm thick	sq.m	3813.00
	b)	12 mm thick panel (ii) 35 mm thick	sq.m	3650.00
	c)	12 mm thick panel (iii) 30 mm thick	sq.m	4644.00
	d)	18 mm thick panel (i) 38 mm thick	sq.m	3928.00
	e)	18 mm thick panel (ii) 35 mm thick	sq.m	3765.00
	f)	18 mm thick panel (ii) 30 mm thick	sq.m	4759.00
7153		Providing and fixing factory made panelled door shutter fabricated out of Nano or equivalent wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced prelaminated flat pressed three layered wood based particle board – bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodised aluminium butt hinges with necessary screws etc. complete.		
	a)	12 mm thick panel (i) 38 mm thick	sq.m	2118.00
	b)	12 mm thick panel (ii) 35 mm thick	sq.m	2058.00
	c)	12 mm thick panel (iii) 30 mm thick	sq.m	1975.00
	d)	18 mm thick panel (i) 38 mm thick	sq.m	2233.00
	e)	18 mm thick panel (ii) 35 mm thick	sq.m	2173.00

	f)	18 mm thick panel (ii) 30 mm thick	sq.m	2090.00
7154		Providing and fixing flush door shutter of solid core melamine face three layered, prelaminated wood based particle board exterior grade having shade of choice on both sides (PTX) or having shade of choice on one side and balancing lamination on the other side (PLX) as per IS 3087 (1985) type I on the edge of Novopan or equivalent bonded with BWR/BWP synthetic resin with second class teak wood, lipping of section of size 12 mm x 30 mm flange and 18 mm x 10 mm web (18 mm deep) fixed into 18 x 10 mm groves of shutter with water resistant adhesive and fully threaded G.I. screws 50 mm not more than 450 mm centre to centre including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	Natural teak on both faces: 1) 35 mm thick	sq.m	2438.00
	b)	Natural teak on both faces: 2) 30 mm thick	sq.m	2316.00
7155		Providing and fixing flush door shutter of solid core melamine face three layered, prelaminated wood based particle board exterior grade having shade of choice on both sides (PTX) or having shade of choice on one side and balancing lamination on the other side (PLX) as per IS 3087 (1985) type I on the edge of Novopan or equivalent bonded with BWR/BWP synthetic resin with second class teak wood, lipping of section of size 12 mm x 30 mm flange and 18 mm x 10 mm web (18 mm deep) fixed into 18 x 10 mm groves of shutter with water resistant adhesive and fully threaded G.I. screws 50 mm not more than 450 mm centre to centre including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	Commercial on both faces: 1) 35 mm thick	sq.m	2664.00
	b)	Commercial on both faces : 2) 30 mm thick	sq.m	2537.00
7156		Providing and fixing flush door shutter of solid core melamine face three layered, prelaminated wood based particle board exterior grade having shade of choice on both sides (PTX) or having shade of choice on one side and balancing lamination on the other side (PLX) as per IS 3087 (1985) type I on the edge of Novopan or equivalent bonded with BWR/BWP synthetic resin with second class teak wood, lipping of section of size 12 mm x 30 mm flange and 18 mm x 10 mm web (18		

		mm deep) fixed into 18 x 10 mm groves of shutter with water resistant adhesive and fully threaded G.I. screws 50 mm not more than 450 mm centre to centre including anodized aluminum butt hinges with necessary screws etc. complete.		
	a)	White balancing lamination on one face and natural teak on other face 35mm thick	sq.m	2664.00
	b)	White balancing lamination on one face and natural teak on other face 30mm thick	sq.m	2537.00
7157		Providing FRP door shutters 35mm thick with frame size in clear opening of 0.75x2.10m hinges and screws complete.,	sq.m	1806.00

CHAPTER VIII

STEEL AND ALUMINIUM WORK

Sr. No		Description	Unit	Rate
8001		Steel work in single sections (SAIL, TATA. VIZAG & using electrodes of Ador or ES4B or Deh Secheron make only) including cutting, hoisting fixing in position and applying a priming coat of red lead paint.		
	a)	In R.S. joists, channels, angles, tees	qtl	6070.00
	b)	In flats of all sizes	qtl	6004.00
	c)	In flats exceeding 100mm thickness	qtl	6004.00
8002		Steel work(SAIL, TATA. VIZAG only) riveted or bolted in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint.		
	a)	In R.S. joists	qtl	6189.00
	b)	In tees, angles, flats and channels	qtl	6596.00
8003		Steel work welded (SAIL, TATA. VIZAG & using electrodes of Ador or ES4B or Deh Secheron make only)in built up sections trusses and framed work including cutting, hoisting, fixing in position and applying priming coat of red lead paint.		
	a)	In R.S. Joists	qtl	8091.00
	b)	In tees, angles, flats and channels	qtl	8026.00
8004		Providing and fixing in position collapsible steel shutters with vertical channels 20 mm x 10 mm x 2 mm and braced with flat iron diagonals 20mm x 5mm size with top and bottom rails of T-iron, 40 x 40 x 6 mm with 38 mm dia. Steel pulleys completely bolts locking arrangement, stopper, handles including applying a priming coat of red lead paint.	sq.m	3106.00
8005		Providing and fixing 1 mm thick M.S. sheet sliding shutters with frame & diagonal braced of 40 mm x 40 mm x 6 mm angle iron, 3.15 mm M.S. gusset plates at junctions and corners, 25 mm dia pulley 40 mm x 40 mm x 6 mm angle and T-iron guide at top and bottom respectively including applying a priming coat of lead paint.	sq.m	2615.00
8006		Providing and fixing 1 mm thick M.S. sheet garage door with frame of 40 x 40 x 6 mm angle iron 3.15 mm M.S. gusset plate at the junction and corners, all necessary fitting		

		complete including applying a priming coat of red lead paint.		
	a)	Using M.S. angles 40 mm x 40 mm x 6 mm for diagonal braces.	sq.m	2359.00
	b)	Using M.S. Flats 30 mm x 6 mm for diagonals braces and central cross	sq.m	2495.00
8007		Supplying and fixing rolling shutters of approved make, made of 80 x 1.25 mm M.S. laths interlocked together through their entire length and jointed 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 and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of 1.25mm thick for falling shutter stop cover and spring.	sq.m	2131.00
8008		Providing and fixing 27.5cm long wire spring grade No.2 for rolling shutters.	each	854.00
8009		Providing and fixing top cover for rolling shutters	m	447.00
8010		Providing and fixing Ball bearings for rolling shutters	no	650.00
8011		Extra for providing mechanical device, chain and crank operation for operating rolling shutters.		
	a)	Exceeding 10.00 sq.m. and upto 16.80 sq.m. in area	sq.m	2277.00
	b)	Exceeding 16.80 sq.m. in area Chain & overhead operation	sq.m	2393.00
8012		Fixing standard steel or aluminum glazed doors windows and ventilators in wall with lugs 10 cm x 16mm x 3.15 mm embed in C.C. block 15 x 10 x 10 cm size of 1:3:6 (1 cement : 3 coarse sand, 6 aggregate 20 mm nominal size) or with wooden plugs or with rawl plugs & screws or with fixing clips or with nuts as required including fixing of glass panes with glazing clips and special metal sash pulley of approved make or metal bearing with screws shall be supplied by department free of cost.	sq.m	268.00

8013		Providing and fixing steel glazed doors windows and ventilators of standard rolled steel sections, joints mitred and welded with 16 x 3.15 cm lugs 10 cm long embedded in cement concrete block 15cm x 10 cm size of 1:3:6 (1 cement: 3 coarse sand 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws of raw plugs and screws for with fixing clamps or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved made on metal beading with screws complete including applying a priming coat of red lead paint.		
	a)	Steel door (Fixed doors)	sq.m	2117.00
	b)	Steel doors (Single leaf door)	sq.m	2378.00
	c)	Steel door (Double leaf door)	sq.m	2200.00
	d)	Fixed steel windows	sq.m	1651.00
	e)	Side hung windows	sq.m	2121.00
	f)	Top hung ventilators	sq.m	2213.00
	g)	Centre hung ventilators	sq.m	458.00
8014		Providing and fixing cast brass peg stay 300 mm long for steel window ventilators etc.	each	181.00
8015		Providing & fixing cast brass casement window fastener 125 mm long.	each	123.00
8016		Providing and fixing M.S. fan clamp type 1 or II of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete.	each	140.00
8017		Extra rate for providing and fixing M.S. fan clamp type 2 as per standard design in R.C.C. beams during laying towards the additional height of the clamps due to beam rib.	cu.m	3.00
8018		Providing & fixing M.S. round holding down with nuts & Washer plates complete.	qtl	9082.00
8019		Providing & fixing bolts with nuts & washer complete.	qtl	13685.00
8020		Providing & fixing M.S. Rivets of sizes in position.	qtl	11820.00
8021		Welding by gas plant (using Ador or ES4B or Deh Secheron make electrodes only)	cu.m	8.00
8022		Welding by electric plant (using Ador or ES4B or Deh Secheron make electrodes only)	cu.m	7.00
8023		Providing and fixing in position 2 nd class Indian teak wood hand rail 6.4 x 11.5 cm (4.5" x 2.5") fixed to 40 x 3 mm size M.S. flat welded to 10 mm mild steel square balusters	m	1285.00

		of clear height 86 cm spaced at 15 cm c/c including making necessary hold fast fixtures embedded in staircase concrete to the depth of 20 cm as per detailed drawings.		
8024		Providing & fixing in position hand rails in staircase, landing and the like with 2" dia G.I. pipe (light class) resting on 25 mm (1") size M.S. square bars of clear height 90cms placed at 30 cm c/c including making necessary hold fast fixture (25 mm square bars 22 cm long) embedded in staircase concrete for resting the M.S. vertical square bars with holding etc. as required for the work including bending hand rail pipe to proper shape in curves with specials etc. complete (measurement will be made along the running length of hand rail).	m	1286.00
8025		Providing and fixing in position hand rail in balconies, landings and the like with 2" dia G.I. pipe (light class) resting on 20 x 20mm M.S. square bars of clear height making necessary holdfast fixture (20mm square bars 15 cms long) embedded in balcony concrete for resting the M.S. vertical square bars with holding etc as required (measurements will be made along the length of the hand rail)	m	611.00
8026		Providing and fixing in position G.I. hand rail polyester powder coated in external passage, as per approved design shown in drawing including bending hand rail pipe to proper shape in curves with special etc. complete.	meter	2717.00
8027		Providing and fixing in position S.S. hand rail in main stair case, and landing as per approved design shown in the drawing including bending handrail pipe to proper shape in curves with specials, etc. complete.	m	4920.00
8028		Providing and fixing steel pressed frames conforming to IS 4351/1976 in doors / windows including providing necessary arrangement for fixing hinges etc. complete.		
	a)	Size 125 x 60 mm	m	479.00
	b)	Size 105 x 60 mm	m	443.00
	c)	Size 85 x 60 mm	m	442.00
8029		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Window with two or three sliding shutters using		

		14.5/15 mm series shutters section.		
	a)	Acrylic sheet	sq.m	2600.00
	b)	Plain glass	sq.m	2100.00
	c)	Figured glass	sq.m	2000.00
8030		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: windows with two sliding shutters using 18 mm series shutters section.		
	a)	Acrylic sheet	sq.m	3000.00
	b)	Plain glass	sq.m	2500.00
	c)	Figured glass	sq.m	2400.00
8031		Providing and fixing anodized aluminum sliding windows with two sliding shutters 20 mm sections and 5 mm clear float glass.	sq.m	2740.00
8032		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: windows with three sliding shutters using 18 mm series shutters section.		
	a)	Acrylic sheet	sq.m	3700.00
	b)	Plain glass	sq.m	3200.00
	c)	Figured glass	sq.m	3100.00
8033		Providing and fixing anodized aluminum sliding windows with two sliding shutters 20 mm sections and 5 mm clear float glass.	sq.m	2460.00
8034		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Open able windows and ventilators using 18 mm series shutters section.		
	a)	Acrylic sheet	sq.m	3200.00
	b)	Plain glass	sq.m	2700.00
	c)	Figured glass	sq.m	2600.00
8035		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004)		

		Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Adjustable louvered windows.		
	a)	Acrylic sheet	sq.m	2400.00
	b)	Plain glass	sq.m	1900.00
	c)	Figured glass	sq.m	1800.00
8036		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Fixed windows/ ventilators matching with 4.5 mm series shutters.		
	a)	Acrylic sheet	sq.m	2475.00
	b)	Plain glass	sq.m	1975.00
	c)	Figured glass	sq.m	1865.00
8037		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Fixed windows/ ventilators matching with 18 mm series shutters.		
	a)	Acrylic sheet	sq.m	2575.00
	b)	Plain glass	sq.m	2075.00
	c)	Figured glass	sq.m	2175.00
8038		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Curved fixed windows.		
	a)	Acrylic sheet	sq.m	2900.00
	b)	Plain glass	sq.m	2400.00
	c)	Figured glass	sq.m	2300.00
8039		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Single or double leaf door shutters.		
	a)	Acrylic sheet	sq.m	3950.00
	b)	Plain plate glass	sq.m	3450.00
	c)	Figured glass	sq.m	3350.00

8040		Providing and fixing anodized aluminum single or double leaf door shutters with heavy sections as specified.	sq.m	3950.00
8041		Providing and fixing anodized aluminum shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vole & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Fixed partitions		
	a)	Acrylic sheet	sq.m	3800.00
	b)	Plain plate glass	sq.m	3300.00
8042		Extra for powder coating with pure polyester powder of shade of required colour on the aluminum section	sq.m	345.00
8043		Providing & fixing frictional stay hinges of reputed make WINDFIX, GRAVICLOSE company or equivalent complete with chromium plated brass screws as required.	pair	425.00
8044		Providing and fixing hydraulic floor spring of reputed make Everrite, prabhat or equivalent as per the manufacturers as specification having double action spring as approved by the Engineer-in-charge.	each	4000.00
8045		Providing and fixing aluminum stay adjustor 250 mm long with minimum three holds self threading galvanized MS screws.	each	125.00
8046		Providing and fixing in position hand rail in staircase, landings and the like with 2" dia G.I. pipe (light class) resting on 50 x 50mm M.S. square bars of clear height 40cms placed at 50cm including making necessary holdfast fixtures (30mm square bars 22 cms long) embedded in staircase concrete for resetting the M.S. vertical square bars with holding etc as required including bending the G.I. pipe to necessary shape in curves with specials etc. (Measurements will be made along the length of the hand rail)	m	1312.00
8047		Providing and fixing of aluminum windows with three tracks and three shutters sliding windows with tubular frame sections powder coated with pure polyester powder of thickness 15-80 microns with approved standard accessories such as ball bearing rollers concealed lock, 6mm plain clear glass with EPDM beading etc.	m	3350.00

8048		Providing and fixing of aluminum window with 3 tracks and 2 shutters sliding window with tubular frame polyester powder if thickness 75-80 microns with approved standard accessories such as ball bearing rollers, concealed lock, 6mm thick plain clear glass with EPDM beading etc.	m	3250.00
8049		Providing and laying of aluminum fixed with 65mm x 38mm tubular frame with 6mm thick glass sections are powder coated with pure polyester powder of thickness 75-80 microns with approved standard accessories. The glass would be fixed with taper clips with EPDM beading	sq.m	3050.00

Chapter IX

Flooring and Floor Finishes

Sr. No		Description	Unit	Rate
9001		First class brick flooring in cement mortar 1:4 (1 cement: 4 fine sand)	sq.m	584.00
9002		First class brick flooring in cement mortar 1:6 (1 cement: 6 fine sand)	sq.m	559.00
9003		Second class dry brick flooring including filling joints with fine sand.	sq.m	393.00
9004		25 mm cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5 mm nominal size) finished with a floating coat of neat cement.	sq.m	175.00
9005		Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement.		
	a)	40 mm thick	sq.m	256.00
	b)	50 mm thick	sq.m	409.00
	c)	75 mm thick	sq.m	396.00
9006		40 mm. thick red oxide flooring under layer of 30 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5mm nominal size) and top layer of 10 mm thick plaster of cement red oxide mix using 3.5 kg. Of red oxide of iron per 50 kg. of cement 1:3(1cement : 3 coarse sand) finished with floating coat of neat cement red oxide mix of same proportion.	sq.m	454.00
9007		Add or deduct for using more or less than 3.5 kg of redoxide of iron per 50 kg. Cement in 40 mm thick red oxide flooring.	sq.m	24.00
9008		Cement concrete pavement (25 mm to 50 mm thick) with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including finishing complete *: per extra kg. of redoxide used for each 50 kg of cement.	cu.m	5538.00
9009		Extra for making chequeres of approved pattern on cement concrete floor, steps, landings pavements etc.	sq.m	17.00

9010		52mm thick cement concrete flooring with metallic concrete hardener topping, under layer of 40 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and top layers 12 mm thick metallic cement hardener constituting of mix 1:2 (1 cement: 2 graded stone aggregate 6 mm nominal size by volume with which metallic quality is mixed in ratio 4:1 (4 parts of cement: 1 part of metallic) hardening compound of approved floor hardening compound of approved quality) by weight, including finishing complete.	sq.m	347.00
9011		Cement plaster skirting upto 30 cm height with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement including of rounding of junction with floor		
	a)	18 mm thick	sq.m	149.00
	b)	21 mm thick	sq.m	189.00
9012		Red oxide plaster skirting (upto 30 cm height) with top layer of 6 mm thick plaster of cement mix using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion.		
	a)	18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand)	sq.m	222.00
	b)	21 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand)	sq.m	235.00
9013		Add or deduct for using more or less 3.5 kg of red oxide of iron per 50 kg of cement in 18 mm or 21 mm thick red oxide plaster skirting. *: Per extra kg. of red oxide used for each 50 kg of cement.	sq.m	14.00
9014		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 coarse sand: 4 graded basaltic or granitic stone aggregate 12.5 mm nominal size) and top layer 6 mm thick white black or white and black marble chips of sizes from 1MM to 4 mm nominal size 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).		
	a)	Dark shade pigment with ordinary cement	sq.m	443.00
	b)	Light shade pigment with white cement	sq.m	500.00

	c)	Medium shade pigment with approximately 50% white cement & 50% ordinary cement.	sq.m	475.00
	d)	White cement without any pigment	sq.m	652.00
	e)	Light shade pigment with ordinary cement	sq.m	665.00
9015		40 mm. thick marble chips flooring rubbed and polished to granolithic finish under layer 31 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded basaltic or granitic stone aggregate 12.5 mm nominal size) and top layer 9 mm thick white black or white and black marble chips of sizes 4 to 7 mm nominal size 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).		
	a)	Dark shade pigment with ordinary cement	sq.m	487.00
	b)	Light shade pigment with white cement	sq.m	531.00
	c)	Medium shade pigment with approximately 50% white cement & 50% ordinary cement.	sq.m	577.00
	d)	White cement without any pigment	sq.m	504.00
	e)	Light shade pigment with ordinary cement	sq.m	495.00
9016		40 mm. thick marble chips flooring rubbed and polished to granolithic finish under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded basaltic or granitic stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with black or white and black marble chips of sizes 7 to 10 mm nominal size laid in cement marble powder mix 3:1 (3 cement: 1 marble powder by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips by volume).		
	a)	Dark shade pigment with ordinary cement	sq.m	487.00
	b)	Light shade pigment with white cement	sq.m	601.00
	c)	Medium shade pigment with approximately 50% white cement & 50% ordinary cement.	sq.m	551.00
	d)	White cement without any pigment	sq.m	549.00
	e)	Light shade pigment with ordinary cement	sq.m	562.00
9017		Marble chips skirting (upto 30 cm height) rubbed and polished to granolithic finish top layer 6 mm thick with white black or white and black marble chips of sizes from smallest to 40 mm nominal size laid in cement marble powder mix 3: (3 cement : 1 marble powder) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips) by volume 18 mm thick under layer 12 mm thick cement plaster 1:3 (1 cement) 3 coarse sand)		
	a)	Dark shade pigment with ordinary cement	sq.m	430.00

	b)	Light shade pigment with white cement	sq.m	475.00
	c)	Medium shade pigment with approximately 50% white cement & 50% ordinary cement.	sq.m	462.00
	d)	White cement without any pigment	sq.m	470.00
	e)	Light shade pigment with ordinary cement	sq.m	477.00
9018		Extra for providing & fixing aluminum strips 40 mm wide x 1.16 mm thick in joints of terrazzo floor.	m	62.00
9019		Extra for laying terrazzo flooring in borders, margins & similar band not exceeding 30 cm in width.	sq.m	10.00
9020		Extra for laying terrazzo flooring on staircase treads not exceeding 30 cm in width including the cost of forming nosing etc.	sq.m	16.00
9021		Extra for laying terrazzo in narrow band not exceeding 7.5 cm width.	sq.m	22.00
9022		Precast terrazzo tiles 20 mm thick with white, black or white and black marble chips of size upto 6 mm laid in floors, thread of steps & landings 25 mm thick bed of lime mortar 1: 4 (1 cement : 4 coarse sand jointed with neat cement slurry mixed with pigment to match the shade of the tiles incl. Rubbing & polishing completed with precast tiles of .		
	a)	Light shade using white cement	sq.m	781.00
	b)	Medium shades using approximately 50% ordinary cement.	sq.m	696.00
	c)	Dark shade using ordinary cement.	sq.m	662.00
	d)	Dark shade using ordinary cement with pigment	sq.m	668.00
9023		Precast terrazzo tiles 20 mm thick with white, black or white and black marble chips of size upto 6 mm laid in floors, thread of steps & landings 25 mm thick bed of lime mortar 1: 2 (1 lime putty : 2 surkhi) jointed with neat cement slurry mixed with pigment to match the shade of the tiles incl. Rubbing & polishing complete with precast tiles of .		
	a)	Light shade using white cement	sq.m	744.00
	b)	Light shade using pigment	sq.m	659.00
	c)	Dark shade using ordinary cement.	sq.m	625.00
	d)	Dark shade using ordinary cement with pigment	sq.m	631.00
9024		Extra if terrazzo tiles are laid in treads of steps not exceeding 20 cm in width.	sq.m	19.00
9025		Precast terrazzo tiles 20 mm thick with marble chips of sizes upto 6 mm in skirting & risers of steps not exceeding 30 cm in height on 12 mm thick cement plaster 1:3 (1 cement :		

		3 coarse sand) jointed with neat cement slurry including rubbing and polishing completed with precast tiles of		
	a)	Light shade using white cement	sq.m	969.00
	b)	Light shade using pigment	sq.m	945.00
	c)	Dark shade using ordinary cement.	sq.m	812.00
	d)	Dark shade using pigment	sq.m	822.00
9026		Precast terrazzo tiles 20 mm thick with marble chips of sizes upto 6 mm fixed on walls of 12 mm bed of cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing completed with precast tiles of :		
	a)	Light shade using white cement	sq.m	1209.00
	b)	Light shade using pigment	sq.m	1185.00
	c)	Dark shade using ordinary cement.	sq.m	823.00
	d)	Dark shade using pigment	sq.m	834.00
9027		Extra if cut tiles other than half tiles are used in risers of steps skirting and dado in risers of steps, skirting and dado.	sq.m	612.00
9028		Chequered terrazzo tiles 22 mm thick with marble chips of sizes upto 6 mm in floor on 25 mm thick bed of lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing completed.		
	a	Light shade using white cement	sq.m	787.00
	b	Light shade using pigment	sq.m	664.00
	c	Dark shade using ordinary cement.	sq.m	665.00
9029		Chequered terrazzo tiles 22 mm thick with marble chips of sizes upto 6 mm in floor on 25 mm thick bed of lime mortar 1:2 (1 lime putty : 2 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing completed.		
	a	Light shade using white cement	sq.m	750.00
	b	Light shade using pigment	sq.m	727.00
	c	Dark shade using ordinary cement.	sq.m	627.00
	d	Dark shade using pigment	sq.m	636.00
9030		Precast plain cement chequered tiles 22 mm thick of required shades laid in floors, treads of steps and landing on 25 mm thick bed of lime mortar 1:1:1 (1 lime putty :1 surkhi: 1 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete.		

	a	Light shade using white cement	sq.m	894.00
	b	Light shade using pigment	sq.m	921.00
	c	Dark shades using ordinary cement	sq.m	741.00
	d	Dark shades using pigment	sq.m	750.00
9031		Precast plain cement tiles 22 mm thick laid in floors treads of steps and landing on 25 mm thick bed of lime mortar 1:1:1 (1 lime :1 surkhi: 1 coarse sand) jointed with neat cement slurry including rubbing and polishing complete.	sq.m	789.00
9032		Precast plain cement tiles 20 mm thick fixed on walls, on 12 mm bed of cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing complete.	sq.m	844.00
9033		Providing and fixing precast terrazzo, chequered or plain tiles of any shades with grooves in the nosing in treads of steps on 25 mm thick bed of lime mortar 1:1:1 (1 lime : 1 surkhi : 1 coarse sand) jointed with neat cement slurry mixed with pigment to match the shades of tiles including rubbing and polishing complete.	sq.m	894.00
9034		White glazed tiles 6 mm thick in flooring treads of steps & landings laid on a bed of 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finished with flush pointing in white cement.	sq.m	720.00
9035		Extra for laying white glazed tiles in treads of steps not exceeding 30 mm in width.	sq.m	52.00
9036		White glazed tiles 6 mm thick in skirting, risers of steps & dado on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand and jointed with white cement slurry.	sq.m	810.00
9037		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).	sq.m	61.00
9038		Providing and fixing 50 mm internal or external angles of glazed tiles.	meter	62.00
9039		Marble stone slab flooring over :		
		20 mm (average) thick base of lime mortar 1:1:1 (1 lime Putty: 1 surkhi:1 coarse sand) laid and jointed with grey cement slurry including rubbing & polishing complete.		
	a	Pure white makrana marble slab 25 mm thick.	sq.m	3905.00
	b	White makrana marble with blue or black veins (25 mm thick)	sq.m	3445.00

9040		Marble tiles in risers of steps, skirting, dado, walls and pillars laid on 12 mm (average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing complete with Kotah stone slab flooring over 20 mm (average thick base of lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand) laid		
	a	Plain white makrana marble slab 25 mm thick	sq.m	4513.00
	b	White makrana marble with blue or black vein (25 mm thick)	sq.m	4053.00
9041		Kotah stone slab flooring over 20 mm (average) thick base of lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & complete .	sq.m	1052.00
9042		Kotah stone slab flooring over 30 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid over & jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & polishing complete		
	a)	25 mm thick.	sq.m	1095.00
9043		25 mm wooden plank tongued and grooved, in flooring including fixing with iron screws complete with		
	a)	Second class Indian teak wood.	sq.m	3121.00
	b)	Second class matti wood	sq.m	1758.00
9044		Colour glazed tiles 6 mm thick in flooring, treads of steps, landings laid on a bed of 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finished with flush jointing in coloured cement of required pigment.	sq.m	727.00
9045		Colour glazed tiles 6 mm thick in skirting risers of steps, dado laid on a bed of 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with white cement slurry.	sq.m	814.00
9046		Providing and fixing coloured plain ceramic glazed internal or external angles of 50 mm size.	m	91.00
9047		Providing and laying crazy paving (as per design shown in the drawing or as directed by the engineer-in- charge) with approved quality shahabad tile 20 mm thickness (unpolished) of specified sizes laid on 20 mm thick (average) bed of cement mortar 1:5 (1 cement : 5 coarse sand) as directed completed.	sq.m	489.00

9048		Cuddappah stone slab machine cut flooring over 20mm (average) thickness of cement mortar 1:4 (1 cement : 4 coarse sand laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete - 25 mm thick.	sq.m	777.00
9049		Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 8" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete.	sq.m	548.00
9050		Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 4" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete.	sq.m	548.00
9051		Providing and fixing coloured ceramic tiles spartek or equivalent of 12" x 12" (399x150 mm cut size) 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete.	sq.m	583.00
9052		Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 8" size and 6 mm thick in floors thread of steps and landing on 25 mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.	sq.m	647.00
9053		Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 4" size and 6 mm thick in floors thread of steps and landing on 25 mm bed of cement mortar 1:3 and jointed with cement slurry complete.	sq.m	635.00
9054		Providing and fixing coloured ceramic tiles spartek or equivalent of 12" x 12" size and 6 mm thick in floors thread of steps and landing on 25 mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.	sq.m	677.00
9055		Precast terrazzo tiles 20 mm thick with white, black or white, black marble chips of size upto 6 mm laid in floors, thread of steps & landings 25 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing & polishing complete with precast tiles of		
	a)	Light shade using white cement	sq.m	830.00
	b)	Medium shades using approx. 50% ordinary cement	sq.m	818.00

	c)	Dark shade using ordinary cement	sq.m	836.00
	d)	Dark shade using ordinary cement with pigment	sq.m	750.00
9056		Rounding of edges of marble slab to semi circular slope	meter	174.00
9057		Providing and laying ceramic tiles 12"x12" in floors treads of steps landings with adhesive including filling the joints with required pigment etc. complete as directed by the engineer-in-charge	sq.m	720.00
9058		Providing 20mm thick marble slab to urinal partitions with cement etc. complete	sq.m	4985.00
9059		Providing and laying jet black mirror polish granite flooring and dado over 20mm thick base of cement mortar 1:4 laid over and jointed with cement slurry including rubbing complete Granitic slab (jet black with mirror polish) 20 mm thick add q0% wastage 1.00	sq.m	2797.00
9060		Providing and laying 20mm thick cuddapah in shelves over 20 mm thick base of cement mortar 1:3 complete	sq.m	542.00
9061		Providing 25 mm thick cuddapah slabs machine cut and polished on either side in partitions including making necessary grooves in the wall and fixing with cement mortar, complete as directed by the engineer-in-charge	sq.m	616.00
9062		Providing and laying 25 mm shahabad stone flooring over 25 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) laid over with grey cement slurry mixed with pigment, including. Rubbing and polishing complete.	sq.m	770.00
9063		Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-in-charge) over 20mm (average) thick base of cement Mortar 1:4 (1 cement:4 coarse) using :		
	a.	White Makrana Marble.	sq.m	3908.00
	b.	White Makrana Marble with blue or black veins	sq.m	3375.00
9064		Fixing glazed/ceramic/vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (water based) conforming to IS 15477, using 5kg. Adhesive per sq.m. of tile area, in average 3mm thickness .	sq.m	531.00
9065		providing and fixing stone tread tiles 35mm thick in single piece with rounded of nosing antiskid groove laid on and including 20mm (average) thick bed of cement slurry including pointing with pigmented cement slurry to match the shade of the slab, cleaning etc.	sq.m	1057.00

		complete.		
9066		Providing and fixing vitrified matt finished (600x600) and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.	sq.m	1188.00
9067		Providing and fixing vitrified glossy finished (600x600) and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.	sq.m	760.00
9068		Providing and fixing vitrified antiskid tiles (320x320) and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete.	sq.m	914.00
9069		Precast plain Cement Tactiles 32mm thick of required shade in floors, treads of steps and landing laid on 25mm bed of cement mortar 1:4(1cement:4coarse sand) jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing complete.	sq.m	1058.00
9070		Providing and fixing Vinyl flooring of approved shade and design with adhesive complete.	sq.m	863.00
9071		Providing red aggregate stone flooring 30 mm thickness (average) on 20 mm thick base of cement mortar 1:4 (1 cement :4 coarse sand) jointed with grey cement slurry mixed with pigment to match the shade of the tile including rubbing and polishing complete	sq.m	899.00
9072		Providing and fixing coloured ceramic tiles (Bell or equivalent) of 8" x 12" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete.	sq.m	572.00
9073		Providing and fixing coloured ceramic tiles(bell or equivalent) of 16" x 16" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete.	sq.m	666.00

9074		Providing and fixing 1st quality ceramic glazed wall tiles (Johnson, Somany, Kajaria)conforming to IS:15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sq.m including pointing in white cement mixed with pigment of matching shade complete.		
	a	Wall Ceramic Glazed Tiles : 200 x 300	sq.m	709.00
	b	Wall Ceramic Glazed Tiles : 300 x 450	sq.m	947.00
	c	Wall Ceramic Glazed Tiles : 300 x 600	sq.m	1256.00
9075		Providing and laying Ceramic glazed floor tiles 300 x 300 (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as white, ivory, grey, fume red, brown laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete	sq.m	631.00
9076		Providing and laying antiskid floor tiles 12 x 12 upto 16 x 16 in of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete	sq.m	
	a	Dark Shades	sq.m	702.00
	b	Light Shades	sq.m	645.00
9077		Providing and laying rustic floor tiles (rectified) 374 x 374 mm of Johnson, Somany, Kajaria or equivalent (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete		
	a	Dark Shades	sq.m	809.00
	b	Light Shades	sq.m	779.00

9078		Providing and laying vitrified floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete		
	a	600x 600 mm Dark Shades	sq.m	1564.00
	b	600 x 600 mm light Shades	sq.m	879.00
	c	900x 900 mm Dark Shades	sq.m	1771.00
	d	900 x 900 mm light Shades	sq.m	1375.00
9079		Providing and laying scratch resistant floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete		
	a	600x 600 mm Dark Shades	sq.m	998.00
	b	600 x 600 mm light Shades	sq.m	982.00
9080		Providing and laying vitrified industrial floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete		
	a	300 x 300 mm dark Shades - 10 mm thick	sq.m	1236.00
	b	300 x 300 mm dark Shades - 12mm thick	sq.m	1504.00
	c	300 x 300 mm Light Shades - 10 mm thick	sq.m	849.00
	d	300 x 300 mm Light Shades - 12mm thick	sq.m	1123.00
9081		Providing and laying vitrified unglazed porcelain tactile floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete		
	a	300 x 300 mm Design - Liner	sq.m	2159.00
	b	300 x 300 mm Design - Buttons	sq.m	2606.00

9082		Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles	sq.m	261.00
9083		Fixing glazed / ceramic / vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (water based) conforming to IS: 15477, using 5 kg. adhesive per sq.m of tile area, in average 3 mm thickness	sq.m	284.00

CHAPTER X

ROOFING & CEILING WORKS

Sr. No.	Description	Unit	Rate
10001	Providing corrugated G.I. sheet roofing, fixed with galvanized iron j or 1 hook, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafter and trusses.		
	a) 0.63 mm thick sheet - 24 G	sq.m	636.00
	b) 0.50 mm thick sheet.-26G	sq.m	543.00
10002	Providing ridges or hips of width 60 cm over all in plain G.I. sheet fixed with galvanized iron J or L hooks bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete		
	a) 0.80 mm thick sheet.	m	453.00
	b) 0.63 mm thick G. I. Sheet.	m	408.00
10003	Providing and fixing 15cm wide 45cm overall semi-circular plain G.I. Sheets gutter with iron brackets 40 x 3 mm bolts nuts and washers etc., including making necessary connection with rain water pipe complete as per design.		
	a) 0.80 mm thick sheet	m	408.00
	b) 0.63 mm thick sheet	m	341.00
10004	Extra for providing and fixing curved corrugated G.I. sheets to roofing		
	a) 0.80 mm thick sheet	sq.m	5.00
	b) 0.63 mm thick sheet	sq.m	4.00
10005	Extra for providing & fixing corrugated G.I. sheets vertically or to a pitch exceeding 60 degrees.	sq.m	5.00
10006	Extra for straight cutting and waste in corrugated G.I. sheet roofing for making opening of area exceeding 40dm ² for chimneys stacks, sky light etc.		
	a) 0.63 mm thick sheet	m	74.00
	b) 0.50 mm thick sheet	m	47.00
10007	Extra for racking or circular cuttings and waste in C.G.I. sheets roofing.		
	a) 0.63 mm thick sheet	m	121.00
	b) 0.50 mm thick sheet	m	103.00
10008	Extra for making opening or recesses in C.G.I. sheets roofing or girth not more than 1 m.		
	a) Upto 100 sq.cm. in area	each	12.00
	b) Above 100 sq.cm. but upto 400 sq.cm. in area	each	31.00
	c) Above 400 sq.cm. in area	each	46.00

10009		Providing valleys 90 cm overall in plain 1.60 mm thick G.I. sheet fixed with galvanized iron j or l hooks bolts 8mm dia G.I. limpet and bitumen washers complete.	m	1086.00
10010		Providing flashings 35 cm overall in plain G.I. sheet fixed with galvanized iron j or l hooks, bolts and nuts G.I. limpet & bitumen washer complete bent to shape and fixed in walls in cement mortar 1:3 (1 cement : 3 coarse sand).		
	a)	1.25 mm thick sheet	m	428.00
	b)	1.00 mm thick sheet	m	222.00
10011		Extra for making opening or recesses in plain G.I. sheets of girth not more than 1 m.		
	a)	Upto 100 sq.cm. in area.	each	9.00
	b)	Above 100 sq.cm. but upto 400 sq.cm. in area.	each	8.00
	c)	Above 400 sq.cm. in area	each	15.00
10012		Extra for providing and fixing wind ties of 40 x 6mm flat iron section.	m	114.00
10013		Providing asbestos cement sheets roofing's fixed with galvanized iron j or l hooks, bolts & nuts 8mm dia G.I. plain and bitumen washer complete excluding the cost of purlines rafters, and trusses.		
	a)	Corrugated sheets 6mm thick.	sq.m	218.00
10014		Extra for asbestos cement corrugated sheets roofing with vertical sheeting or sheeting to a pitch exceeding 60 degree.	sq.m	6.00
10015		Extra for straight cutting and waste in A.C corrugated sheet roofing for making opening of area exceeding 0.40 sq.m. for chimney stacks, sky lights etc. (a) 6mm thick corrugated sheet	m	42.00
10016		Extra for racking or circular cutting and waste in a.c. corrugated or semi – corrugated sheet roofing.		
	a)	6mm thick corrugated or semi corrugated sheet	m	76.00
10017		Providing and fixing ridges & hips in asbestos cement sheets roofing with G.I. j or l hooks, bolts and nuts 8mm dia G.I. plain and bitumen washers complete.		
	a)	One piece plain angular ridges	m	161.00
	b)	Serrated or plain wing adjustable ridges	m	194.00
	c)	Close fitting adjustable ridges	m	227.00
10018		Extra for straight cutting and waste in A.C corrugated, semi corrugated sheet roofing for making openings of area exceeding 0.40 sq.m. for chimney stacks, skylights etc.		
	a)	6mm thick semi – corrugated sheet	m	49.00

10019		Extra for making or circular cutting and waste in A.C. sheet roofing:		
	a)	6mm thick semi corrugated sheet	m	75.00
10020		Extra for making openings or recesses in A.C. corrugated, semi – corrugated sheet roofing of girth not more than 1meter		
	a)	Those not exceeding 100 sq.cm. in area	each	18.00
	b)	Those exceeding 100 sq.cm. but not exceeding 400 sq.cm.	each	34.00
	c)	Those exceeding 400 sq.cm. in area	each	49.00
10021		Providing and fixing ridges & hips in asbestos cement sheets roofing, with G.I. j or l hooks bolts and nuts 8mm dia G.I. plain and bitumen washer		
	a)	North light adjustable ridges	m	232.00
	b)	Unserrated adjustable hips	m	226.00
10022		Providing and fixing asbestos cement roofing accessories with galvanized iron J or L hooks, bolts and nuts and or G.I. seam bolts G.I. plain and bitumen washers etc. complete.		
	a)	Apron flashing pieces	m	150.00
	b)	Eaves fillet pieces	m	104.00
	c)	North light & Ventilator curves	m	246.00
	d)	Barge boards	m	87.00
	e)	Expansion joints for sheets	m	101.00
	f)	Ridge finals	each	157.00
	g)	Cowl type ventilators	each	244.00
	h)	Curved barge boards for north light curves	each	253.00
	i)	Roof lights	each	987.00
	j)	Expansion joints for ridges	pair	276.00
	k)	Expansion joints for north light curves	each	66.00
	l)	S. Type louvers	m	184.00
10023		Providing thatched roofing 15 cms thick in two layers Each 75 mm thick with Pool as, half split bamboos fillet and tying strings complete	sq.m	180.00
10024		Providing and laying split bamboo jaffree 150mm mesh including tying to the purlins and rafters with mung ban or string complete.	sq.m	87.00
10025		Providing & laying thatched capping to ridges & hips upto 1m girth including tying etc. complete.	m	211.00
10026		Making khurras 45 x 45cm with average minimum thickness of 5cm of cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 stone aggregate of 20mm nominal gauge) finished with 12mm cement plaster 1: 3 (1 cement: 3 coarse sand) & a coat of neat cement rounding the edges and making and finishing the outlet	each	128.00

		complete.		
10027		Providing angular fillets 7.5 x 7.5 cm cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone) aggregate 20mm nominal size)	m	19.00
10028		Making water purnelas 25cm to 35 cm wide along the wall with cement mortar 1:4 (1 cement; 4 fine sand) & finished neat with floating coat of neat cement.	m	63.00
10029		Providing and laying 1 st class Mangalore tile roof covering with 25 x 50mm (1" x 2") jamba wood or similar batten including nails etc. but excluding rafters.	sq.m	438.00
10030		Providing and laying 2 nd class Mangalore tile roof covering with 25 x 37 mm (1" x 1.5") jamba wood or similar batten including nails etc., but excluding rafters.	sq.m	412.00
10031		Laying Mangalore tile roof covering with 25 x 50 mm jamba wood or similar battenn including nail etc. complete (Mangalore tiles will be supplied by the department free of cost).	sq.m	206.00
10032		Laying Mangalore tile roof covering with 25 x 37 mm jamba wood or similar battenn including nails etc. complete (Mangalore tiles will be supplied by the department free of cost).	sq.m	181.00
10033		Providing and laying ridge tiles laid dry & pointed with lime mortar 1: 2 (1 lime: 2 surkhi)	m	215.00
10034		Laying the ridge tiles laid dry and pointed with lime mortar 1: 2 (1 lime : 2 surkhi) (ridge tiles will be supplied by the department free of cost).	m	43.00
10035		G.I. sheet gutters 26 S.W.G. semi circular 15cm width and 45 cm overall including fixing with clamps & making connection with rain water pipe complete.	m	226.00
10036		Ridge and valleys 45cm overall in plain G.I. sheet 26 SWG fixed with galvanized j or l hooks 3/8" dia G.I. limpets and bitumen washers complete.	m	252.00
10037		Filling cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 hard aggregate 12.5 mm nominal gauge) in gaps of A.C. sheets corrugation and wings of ridges.	m	41.00
10038		Providing and fixing 20mm thick wooden		

		planks ceiling (frame work for base to be paid separately) with M.S. screws		
	a)	Indian teak wood second class	sq.m	2035.00
	b)	Nano or chafo wood	sq.m	782.00
10039		Providing and fixing 13mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S. screws		
	a)	Second class Indian teak wood	sq.m	1405.00
	b)	Nano or chafo wood	sq.m	550.00
10040		Providing and fixing 4mm thick ply wood (5 ply) ceiling with second class Indian teak wood beading of size 65 x 12mm not exceeding 180 cm center to centre apart and brass screws 1.5” for fixing etc. complete (frame work for base to be paid separately)	sq.m	628.00
10041		Providing and fixing 4 mm thick A.C. plain sheet ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately)	sq.m	277.00
10042		Providing & fixing insulating board sheet ceiling of approved of quality with necessary nails, etc. complete (frame for base to be paid separately)	sq.m	
	a)	White faced insulating board 12mm thick	sq.m	622.00
	b)	White faced insulating board 18 mm	sq.m	750.00
10043		Providing & fixing hard board sheet ceiling of approved quality with necessary nails, etc. complete (frame for base to be paid separately)		
		Standard quality 4 mm thick	sq.m	251.00
10044		Providing & fixing hard board sheet ceiling of approved quality with necessary nails, etc. complete (frame for base to be paid separately) Design boards 4 mm thick.	sq.m	302.00
10045		Providing and fixing insulating board sheet ceiling of approved of approved quality with necessary nails etc. complete (frame for base to be paid separately). Flame retardant insulating board 12 mm.	sq.m	430.00
10046		Providing 18mm thick plaster of parts (gypsum anhydrous) ceiling upto height of 5m above floor level over 1 st class matti wood strips 25 x 6mm with 10mm gap in between & reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately)		
	a)	Flat Surfaces	sq.m	1265.00
	b)	Curved surfaces	sq.m	1279.00
10047		Extra for any sunk moulding in the plaster of	sq.m	405.00

		Paris (gypsum anhydrous)		
10048		Extra for providing plaster of Paris (gypsum anhydrous) ceiling above 5 m from floor level.	sq.m	54.00
10049		Providing and fixing 12mm thick plaster of Paris (gypsum anhydrous) ceiling tiles upto a height of 5m above floor level over wooden frames rendered smooth with plaster of Paris (gypsum anhydrous) (frame work to be paid separately)	sq.m	1209.00
10050		Extra for providing and fixing plaster of Paris (gypsum anhydrous) ceiling tiles above 5 meters height from floor level PER meter HEIGHT.	sq.m	31.00
10051		Providing and fixing in position ceiling tiles of 12mm thickness made of uncovered teak wood particle board bonded with phenol formal dehyde synthetic resin conforming to IS 3087 – 1965 with necessary second class Indian teak wood beading of size 65 x 12 mm with brass screws (30 mm size) complete (frame work for base to be paid separately)		
	a)	Plain boards	sq.m	1041.00
	b)	Half random perforated board	sq.m	1147.00
	c)	Full random perforated board	sq.m	1254.00
10052		Providing and fixing plain square edged wooden boarding 65 x 12mm with screws of approved quality for ceiling		
	a)	Second class Indian teak wood	m	104.00
	b)	Nano wood	m	57.00
10053		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 (1 cement: 2 fine sand)		
	a)	100 mm dia pipe	m	489.00
	b)	150mm dia pipe	m	852.00
10054		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 10 x 10 x 10 cm of 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the wall etc.		
	a)	75mm or 80mm dia.	each	142.00
	b)	100mm dia meter	each	155.00
	c)	150 mm diameter	each	177.00
10055		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):		
	a)	C.I. plain bend 100 mm dia	each	286.00
	b)	C.I. plain bend 150 mm dia	each	309.00
10056		Providing and fixing to wall face C.I. accessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement : 2 coarse sand)		
	a)	C.I. plain shoe 100mm dia	each	325.00
	b)	C.I. plain shoe 150mm dia	each	558.00
10057		Providing and fixing to wall face C.I. accessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement : 2 coarse sand)		
	a)	C.I. branch (plain) 100 mm dia single branch	each	337.00
	b)	C.I. branch (plain) 150 mm dia single branch	each	517.00
10058		Providing and fixing on wall face C.I. accessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement : 2 coarse sand)		
	a)	C.I. branch (plain) 100 mm dia double branch	m	430.00
	b)	C.I. branch (plain) 150 mm dia double branch	m	732.00
10059		Providing and fixing to wall face C.I. accessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement : 2 coarse sand) C.I. offsets (plain) 100 mm dia 55 mm projection.	each	328.00
10060		Providing & laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or/and residual bitumen applied hot at 1.45 1.20 and 1.7kg., per sq.m. of area respectively second and fourth course of roofing felt type 3 grade 1 (hessian based self finished bitumen felt) & sixth and final course of stone grit 6 mm and down size or grade gravel spread at 0.008 cu.m per sq. m excluding grading complete.	sq.m	405.00
10061		Providing and fixing colour coated galvulium roofing sheets of 0.5mm thickness including all the accessories but excluding the cost of purlins, rafters, trusses, etc. complete as per the directions of the Engineer in charge.	sq.m	724.00
10062		Providing and fixing plain square wooden boarding 50 x 12 mm section with screws of		

		approved quality for ceiling and as directed by the Engineer in charge.		
	a	Nano wood.	sq.m	43.00
10063		Supply of Mangalore tiles including loading, unloading and transportation complete.	m	14.00
10064		Supply of Mangalore ridge tiles including loading, unloading and transportation complete.	m	44.00
10065		Providing and laying finolex roof covering with fittings on existing battens as directed by Engineer in charge.		
	a	PCV corrugated sheet - 1.0mm thick.	sq.m	576.00
	b	PCV corrugated sheet - 1.3mm thick.	sq.m	610.00
	c	PCV corrugated sheet - 1.5 mm thick.	sq.m	748.00
	d	PCV corrugated sheet - 1.8mm thick.	sq.m	959.00
	e	PCV corrugated sheet - 2.0 mm thick.	sq.m	1042.00
10066		Providing and fixing PVC SWR pipes confirming to IS 13592 type A including jointing with seal ring confirming to IS 5382 leaving 10 mm gap for thermal expansion.		
	a	Single socketed pipe 75 mm dia	m	131.00
	b	Single socketed pipe 110 mm dia	m	234.00
10067		Providing and fixing Prince or equivalent make PVC SWR half round eaves gutter with bolts, nuts and flat iron brackets 40 x 3 mm size complete.		
	a	140 mm nominal size	m	159.00
	b	180 mm nominal size	m	219.00
	c	250 mm nominal size	m	391.00
10068		Extra for providing flat iron bracket 50 x 3 mm size instead of 40 x 3 mm size with necessary bolts nuts, washers etc. for fixing A.C. gutters to purlins.	each	12.00
10069		Extra for providing and fixing prince or equivalent make PVC SWR joint bracket with 2 clamps for socketed half round eaves gutters.		
	a	140 mm nominal size	each	123.00
	b	180 mm nominal size	each	171.00
	c	250 mm nominal size	each	355.00
10070		Extra for providing and fixing prince or equivalent make PVC SWR running outlet with 2 clamps for socketed half round eaves gutters.		
	a	140 mm nominal size	each	165.00
	b	180 mm nominal size	each	240.00
	c	250 mm nominal size	each	462.00

10071		Extra for providing and fixing prince or equivalent make PVC SWR 90 deg. Elbow with /without outlet with 2 clamps for socketed half round eaves gutters.		
	a	140 mm nominal size	each	239.00
	b	180 mm nominal size	each	359.00
	c	250 mm nominal size	each	698.00
10072		Extra for providing and fixing prince or equivalent make PVC SWR short stop ends for socketed half round eaves gutters.		
	a	140 mm nominal size	each	54.00
	b	180 mm nominal size	each	78.00
	c	250 mm nominal size	each	190.00
10073		Extra for providing and fixing prince or equivalent make PVC SWR stop end outlet with one clamp for socketed half round eaves gutters.		
	a	140 mm nominal size	each	145.00
	b	180 mm nominal size	each	212.00
	c	250 mm nominal size	each	400.00
10074		Extra for providing and fixing prince or equivalent make PVC SWR support bracket for socketed half round eaves gutters.		
	a	140 mm nominal size	each	45.00
	b	180 mm nominal size	each	57.00
	c	250 mm nominal size	each	137.00
10075		Extra for providing and fixing prince or equivalent make PVC SWR clamps for socketed half round eaves gutters.		
	a	140 mm nominal size	each	26.00
	b	180 mm nominal size	each	35.00
	c	250 mm nominal size	each	66.00
10076		Extra for providing and fixing prince or equivalent make PVC SWR rafter top / side brackets assembled for socketed half round eave gutters.		
	a	140 mm nominal size	each	46.00
	b	180 mm nominal size	each	65.00
	c	250 mm nominal size	each	126.00
10077		Extra for providing and fixing prince or equivalent make PVC SWR rubber gasket for socketed half round eaves gutters.		
	a	140 mm nominal size	each	21.00
	b	180 mm nominal size	each	25.00
	c	250 mm nominal size	each	52.00
10078		Extra for providing and fixing prince or equivalent make PVC SWR single socket elbow for socketed half round eaves gutters.		
	a	75 mm nominal size	each	66.00

	b	110 mm nominal size	each	100.00
10079		Extra for providing and fixing prince or equivalent make PVS SWR pipe clip for socketed half round eaves gutters.		
	a	75 mm nominal size	each	28.00
	b	110 mm nominal size	each	29.00
10080		Extra for providing and fixing prince or equivalent make PVC SWR rubber seals for socketed half round eaves gutters.		
	a	75 mm nominal size	each	23.00
	b	110 mm nominal size	each	26.00
10081		Providing water proofing treatment over the new R.C.C. roofs terrace toilet by spreading cement slurry over the R.C.C. slab and laying of 10cms. Average laterite stone ballast coba with the necessary gradient for easy flow of rain water and the coba in covered with damp proof of Hindustan water proofing co. Or equivalent jointless water proofing plaster of mix 1:3 (1 cement: 3 find sand), finished smooth with wooden trowel with false marking of 30 cms square. The vertical surface of the adjoining walls are to be treated upto a height of 30cms including rounding of junction (the rate includes for complete items including labour and materials and including cost of initial treatment of roof slab as follows. The injunction of damp proof or equivalent compound with cement solution will be given as and when found necessary for filling honey comb, cracks etc. in the R.C.C. slabs). NOTE: cement consumption 25 kg/sq.m.	sq.m	650.00
10082		M.F. suspended ceiling (single layer) which includes G.I. perimeter of size 0.55 mm thick (having one flange of 20 mm and another flange of 30 mm and a web of 27 mm) along with perimeter of ceiling, screw fixed to brick wall / partition wit	sq.m	646.00
10083		M.F. wall lining which includes 9.5 /12.5 mm thick Gypsum board (conforming to IS : 2095 – 1982) screw fixed to the ceiling section (0.55 mm thick having a knurled web of 51.5 mm and two equal flanges of 26 mm each with lips of 10.5 mm made of	sq.m	612.00
10084		75 mm Metal stud partition 2438 mm height which includes one layer of tapered edge 12.5 mm thick Gypsum board (conforming to IS:2095 – 1982) screw fixed with drywall screw of 25 mm at 300 mm centres to either	sq.m	1125.00

		side of 48 mm studs (0.55 mm thick.		
10085		97 mm metal stud partition 93048 mm height) which includes one layer of tapered edges 12.5 mm thick or equivalent (conforming to IS : 2095 – 1982) screw fixed with drywall screw at 300 mm centres to either side of 70 mm studs (0.55 mm thick hav	sq.m	1140.00
10086		Gypliner or equivalent ceiling which includes providing & fixing G.I. HG angle of size 0.55 mm thick having two equal flanges of 25 mm each screw fixed to brick wall / partition with the help of nylon sleeves & screws at 610 mm c/c. Then suspending chan 12.5 mm tapered edge Gypboard (confirming to IS:2095-1982) is then fixed to channel section with 25 mm drywall screws at 230 mm centre. Screw fixing is done mechanically with drill machine and suitable attachment. Finally square and tapered edges joints of the boards are jointed and finished so as to have flush look which includes filling finishing with jointing compound, joint paper tape and two coats of Drywall top coat suitable for Gypboard (as per recommended practices of India Gypsum Limited).	sq.m	650.00
10087		Gypliner wall lining or equivalent which includes 12.5 mm thick or equivalent (confirming to IS : 2095 – 1982) screw fixed to the Gypliner channel section (0.55 mm thick having a web of 45 mm & two equal flanges of 18 mm each with lips of 6 mm made of G.I. Ste	sq.m	640.00
10088		Fine line or equivalent (pre-coated) 600 mm x 600mm grid size providing & fixing pre-coated G.I. angle size 24 x 24 x 0.90 mm thick fixed to the brick wall/partition at the perimeter of ceiling with nylon sleeves and screws at 610 mm centres. Then suspending main G.I. `T` section (bottom pre-coated) size 24x38x0.7 mm and 3600 mm long from soffit in one direction with the help of metal rawl plug, soffit cleat & G.I. rod 4 mm diameter with galvanised spring steel level clip 1220 mm centres G.I. Cross T section (bottom pre-coated) size 24x 38.70 mm and 600 mm long in insert fixed into the slots provided in main `T` at 600 mm centres to form 600 x 600 mm	sq.m	600.00

		grid. Boarding: 9.5 mm / 12.5 mm thick Gyboard or equivalent cut in panel size of 595 x 595 mm can be laid onto the grid P.V.C. universal holding clips are to be placed on ceiling panel in each direction i.e. 4 clips per panel.		
10089		Fine line or equivalent (precoated) 600 mm x 1200 mm grid size pre-coated G.I. angle size 25 x 25 x 0.70 mm thick fixed to the brick wall / partition at the perimeter of ceiling with nylon sleeves and screws at 610 mm centres. Then suspending main G.I. `T' section (bottom precoated) size 24 x 38 x 0.7 mm and 3600 mm long from soffit in one direction with the help of Metal Rawl Plug, soffit cleat & G.I. Rod 4 mm diameter with galvanised spring steel level clip 1220 mm centres G.I. Cross T section (bottom pre-coated) size 24 x 38 x 0.70 mm and 600 mm long is insert fixed into the slots provided in main `T' at 1200 mm centres to form 1200 x 600 mm grid. Boarding: 9.5 mm / 12.5 mm thick Gyboard cut in panel size of 595 x 595 mm can be laid onto the grid P.V.C. universal holding clips are to be placed on ceiling panel in position 2 nos. on 1195 mm side and 1 no. on 595 mm side.	sq.m	585.00
10090		Providing and fixing colour coated galvulium roofing sheets of 0.5mm thickness including all the accessories but excluding the cost of purlins, rafters, trusses, etc. complete as per the directions of the engineer in charge.	sq.m	809.00

CHAPTER XI

PLASTERING AND FINISHING WORKS

Sr. No.	Description	Unit	Rate
11001	Lime punning with lime mortar 1:1 (1 lime putty : 1 fine sand)	sq.m	37.00
11002	Finishing fine with near over plaster	sq.m	17.00
11003	12mm cement plaster 1:3 (1 cement : 3 fine sand)	sq.m	119.00
11004	12mm cement plaster 1:4 (1 cement : 4 fine sand)	sq.m	106.00
11005	12mm cement plaster 1:5 (1 cement : 5 fine sand)	sq.m	91.00
11006	12mm cement plaster 1:6 (1 cement : 6 fine sand)	sq.m	93.00
11007	15mm cement plaster 1: 3 (1 cement : 3 fine sand) on the rough side of single or half brick wall.	sq.m	138.00
11008	15mm cement plaster 1: 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall.	sq.m	122.00
11009	15mm cement plaster 1: 5 (1 cement : 5 fine sand) on the rough side of single or half brick wall.	sq.m	105.00
11010	15mm cement plaster 1: 6 (1 cement : 6 fine sand) on the rough side of single or half brick wall.	sq.m	107.00
11011	20mm cement plaster 1: 3 (1 cement : 3 fine sand)	sq.m	170.00
11012	20mm cement plaster 1: 4 (1 cement : 4 fine sand)	sq.m	155.00
11013	20mm cement plaster 1: 5 (1 cement : 5 fine sand)	sq.m	135.00
11014	20mm cement plaster 1: 6 (1 cement : 6 fine sand)	sq.m	134.00
11015	6mm cement plaster to ceiling 1: 3 (1 cement : 3 fine sand)	sq.m	88.00
11016	6mm cement plaster to ceiling 1: 4 (1 cement : 4 fine sand)	sq.m	71.00
11017	Extra for plaster to ceiling above 5m height from floor level for every additional height of one meter or part thereof.	sq.m	82.00
11018	Neat Cement punning	sq.m	37.00
11019	Extra for plastering spherical ceiling	sq.m	32.00
11020	Extra for plastering groined ceiling	sq.m	40.00
11021	Extra for plastering flowing soffits.	sq.m	30.00
11022	12mm cement plaster 1:3 (1 cement : 3 coarse)	sq.m	112.00

		sand)		
11023		12mm cement plaster 1:4 (1 cement : 4 coarse sand)	sq.m	98.00
11024		12mm cement plaster 1:5 (1 cement : 5 coarse sand)	sq.m	91.00
11025		12mm cement plaster 1:6 (1 cement : 6 coarse sand)	sq.m	86.00
11026		15mm cement plaster 1: 3 (1 cement: 3 coarse sand) on the rough side single or half brick wall.	sq.m	138.00
11027		15mm cement plaster 1: 4 (1 cement: 4 coarse sand) on the rough side single or half brick wall.	sq.m	122.00
11028		15mm cement plaster 1: 5 (1 cement: 5 coarse sand) on the rough side single or half brick wall.	sq.m	105.00
11029		15mm cement plaster 1: 6 (1 cement: 6 coarse sand) on the rough side single or half brick wall.	sq.m	107.00
11030		20mm cement plaster 1: 3 (1 cement : 3 coarse sand)	sq.m	171.00
11031		20mm cement plaster 1: 4 (1 cement : 4 coarse sand)	sq.m	147.00
11032		20mm cement plaster 1: 5 (1 cement : 5 coarse sand)	sq.m	135.00
11033		20mm cement plaster 1:6:1 (1 cement : 6 coarse sand)	sq.m	127.00
11034		12mm cement plaster 1: 3 (1 cement ; 3 coarse sand) finished with a floating coat of neat cement.	sq.m	155.00
11035		Extra for providing and mixing water proofing material proportion recommended by the manufacturers.		
	a)	12mm cement plaster 1: 3 (1 cement : 3 sand)	sq.m	22.00
	b)	12mm cement plaster 1: 4 (1 cement : 4 sand)	sq.m	16.00
	c)	15mm cement plaster 1: 3 (1 cement : 3 sand)	sq.m	24.00
	d)	15mm cement plaster 1: 4 (1 cement : 4 sand)	sq.m	19.00
	e)	20mm cement plaster 1: 3 (1 cement : 3 sand)	sq.m	29.00
	f)	20mm cement plaster 1: 4 (1 cement : 4 sand)	sq.m	23.00
11036		18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and top layer 6mm thick with cement plaster 1: 3 (1 cement : 3 coarse sand) finished with sponge.	sq.m	153.00
11037		Extra for plastering exterior walls of height more than 10m from ground level for every additional height of 3m or part thereof.	sq.m	27.00
11038		Extra for plastering on circular work not exceeding 6m in radius		

	a)	In one coat	sq.m	19.00
11039		Extra for plastering done on moldings, cornices, or arch it raves including neat finish to line and level.		
	a)	In one coat	sq.m	123.00
11040		18mm plastering with terrazzo finish rubbed and polished complete, under layer 12mm thick cement plaster 1: 3 (1 cement : 3 coarse sand) and top layer 6mm thick white black or white and black marble chips of 3mm and down size 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.	sq.m	282.00
11041		12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement: 4 fine sand)		
		1 meter long, 1 cm wide	each	4.00
11042		18mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand)		
		1 meter long, 1 cm wide	each	4.00
11043		12mm thick molded cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) cm per meter	each	4.00
11044		18mm thick molded cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) cm per meter	each	4.00
11045		18mm pebble dash plastering under layer 12mm thick cement plaster 1: 3 (1 cement: 3 coarse sand) and top layer 6mm thick cement plaster 1: 4 (1 cement : 4 coarse sand) with pebbles of nominal size 3mm to 10mm	sq.m	211.00
11046		Rough cast plaster with a mixture of sand and gravel or crushed stone from 2.36mm to 12.5mm nominal size dashed over and including fresh plaster in two layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster 1: 3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement.		
	a)	Natural cement finishing using ordinary cement	sq.m	277.00
11047		Pebble dash plaster with a mixture of washed pebble or crushed stone 6mm to 12.5mm nominal size dashed over and including fresh plaster in two layer, under layer 12mm cement plaster 1: 4 (1 cement: 4 coarse sand) and top layer 10mm cement plaster with cement mortar 1: 3 (1 cement: 3 fine sand) mixed with 10% finely ground hydrated lime by volume of cement.	sq.m	230.00

11048		Pointing on brick work with cement mortar 1: 3 (1 cement : 3 fine sand)		
	a)	Flush pointing	sq.m	61.00
	b)	Ruled pointing	sq.m	61.00
	c)	Raised and cut pointing	sq.m	93.00
11049		Pointing on stone work, with cement mortar 1: 3 (1 cement: 3 fine sand)		
	a)	Flush pointing	sq.m	84.00
	b)	Ruled pointing	sq.m	84.00
	c)	Raised and cut pointing	sq.m	135.00
11050		Extra for painting on walls on the outside at height more than 10m from ground level for every additional height of 3.0 m or part thereof.	sq.m	13.00
11051		White washing with lime on new work (three or more coats) to give an even shade.	sq.m	27.00
11052		White washing with lime on old work (two or more coats) to give an even shade.	sq.m	24.00
11053		White washing with whiting on new work (three or more coats) to give an even shade.	sq.m	28.00
11054		White washing with whiting on old work(two or more coats) to give an even shade	sq.m	21.00
11055		White washing with whiting on old work (one coat) to give an even shade.	sq.m	16.00
11056		Colour washing such as green, blue or buff on new work (two or more coats) including a base coat of white washing with lime to give an even shade.	sq.m	33.00
11057		Colour washing such as green, blue or buff with lime on old work (two or more coats) to give an even shade.	sq.m	27.00
11058		Colour washing such as green, blue or buff on new work (two or more coats) including a base coat of white washing with whiting to give an even shade.	sq.m	25.00
11059		Removing white or colour wash by scrapping, sand papering and preparing surface smooth including necessary repairs to scratches etc. complete.	sq.m	14.00
11060		Distempering with dry distemper of approved brand and manufacturer two or more coats of required shade on new work over and including priming coat of whiting to give an even shade.	sq.m	40.00
11061		Distempering with dry distemper of approved brand and manufacturer one or more coats of required shade on old work to give an even shade.	sq.m	25.00

11062		Distempering two or more coats with oil bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade.	sq.m	68.00
11063		Distempering (one / more coat) with oil bound washable distemper of approved brand and manufacture and of required shade on old work to give an even shade.	sq.m	29.00
11064		Applying one coat of cement primer of approved brand and manufacture on wall surface.	sq.m	29.00
11065		Applying one coat of distemper primer of approved brand and manufacture on wall surface.	sq.m	28.00
11066		Finishing wall with waterproofing cement paint of approved brand and manufacture and of required shade on new work (three or more coats) to give an even shade.	sq.m	45.00
11067		Finishing wall with waterproofing cement paint of approved brand and manufacture and of required shade on old work (one or more coats) to give an even shade.	sq.m	32.00
11068		Finishing wall with superior quality waterproofing cement paint (super snow hem or equivalent) of required shade on new work (three or more coats) to give an even shade.	sq.m	60.00
11069		Finishing wall with superior quality waterproofing cement paint (super snow hem or equivalent) of required shade on old work (three or more coats) to give an even shade.	sq.m	31.00
11070		Removing dry or oil bound distemper by scrapping sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	sq.m	15.00
11071		Painting 2 coats with oil type wood preservative of approved brand & manufacture on new work.	sq.m	32.00
11072		Painting 1 coat with oil type wood preservative of approved brand & manufacture on old work.	sq.m	28.00
11073		Coal tarring two coats on new work using 0.16 and 0.12 liter of coal tar per sq.m. in the first coat and second respectively.	sq.m	41.00
11074		Coal tarring one coat on old work using 0.12 liter of coal tar per sq.m.	sq.m	30.00
11075		Applying priming coat consisting of a mixture of red lead, white lead and double boiled linseed oil in the ratio of 0.7 kg. 0.7 kg. 1 litre	sq.m	40.00

		on wood work complete.		
11076		Applying priming coat with ready mixed primer of approved brand and manufacture on wood work complete.	sq.m	36.00
11077		Applying priming coat with ready mixed primer of approved brand and manufacture on steel work.	sq.m	28.00
11078		Applying priming coat with ready mixed red lead paint of approved brand and manufacture on steel work.	sq.m	31.00
11079		Painting two or more coats (excluding priming coat) with ordinary ready mixed paint of approved brand & manufacture in all shades except white or green on new work to give an even shade.	sq.m	56.00
11080		Painting one/ two more coats with ordinary ready mixed paint of approved brand & manufacture in all shades except white or green on old work to give an even shade.	sq.m	40.00
11081		Painting two or more coats (excluding priming coat) with superior quality ready mixed paint for steel work of approved brand & manufacture in all shades on new work to give an even shade.	sq.m	56.00
11082		Painting one or more coats with superior quality ready mixed paint of steel work of approved brand & manufacture in all shades on old work to give an even shade.	sq.m	40.00
11083		Painting two or more coats (excluding priming coat) with superior quality ready mixed paint for wood work of approved brand & manufacture in all shades on new work to give an even shade.	sq.m	56.00
11084		Painting one or more coats with superior quality ready mixed paint of wood work of approved brand & manufacture in all shades on old work to give an even shade.	sq.m	40.00
11085		Paints two coats on G. I. Sheet with superior quality ready mixed paint of approved brand and manufacture on new work to give an even shade.	sq.m	47.00
11086		Painting one or more coats on G.I. sheets with superior quality ready mixed paint of approved brand and manufacture on old work to give an even shade.	sq.m	34.00
11087		Spray painting with flat wall paints of approved brand and manufacture two or more coats on new work including priming coat of	sq.m	84.00

		distemper primer of approved brand and manufacture to give an even shade.		
11088		Painting (two or more coats) with synthetic enamel paint of approved brand and manufacture in all shade or new work over and under coat of suitable shade with ordinary paint of approved brand and manufacture to give an even shade	sq.m	87.00
11089		Painting (one or more coats) with synthetic enamel paint of approved brand and manufacture in all shades on old work to give an even shade.	sq.m	44.00
11090		Painting (two or more coats) with aluminum paint of approved brand and manufacture on new work to give an even shade.	sq.m	55.00
11091		Painting (one or more coats) with aluminum paint of approved brand and manufacture on old work to give an even shade.	sq.m	41.00
11092		Painting (two or more coats) with acid proof paint of approved brand and manufacture in chocolate or black shade on new work to give an even shade.	sq.m	32.00
11093		Painting (one or more coats) with acid proof paint of approved brand and manufacture in chocolate or black shade on old work to give an even shade.	sq.m	26.00
11094		Painting (two or more coats) with black anticorrosive bitumastic paint of approved brand and manufacture on new work to give an even shade.	sq.m	45.00
11095		Painting (one or more coats) with black anticorrosive bitumastic paint of approved brand and manufacture on old work to give an even shade.	sq.m	34.00
11096		Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade.	sq.m	39.00
11097		Wall painting (two or more coats) with plastic emulsion paint of approved brand and manufacture on new work to give an even shade.	sq.m	66.00
11098		Wall painting (one or more coats) with plastic emulsion paint of approved brand and manufacture on old work to give an even shade.	sq.m	49.00
11099		Varnishing (two or more coats) with copal varnish of approved brand and manufacture on new work including an under coat Bees		

		waxing on wood work with local made wax polish in proportion of 2:1 5:1 0.5 (2 wax: 1.5 linseed oil: 1)		
	a)	With glue sizing	sq.m	96.00
	b)	With transparent wood filler.	sq.m	88.00
11100		Varnishing with (1 or more coats) with copal varnish of approved brand & manufacture on old work.	sq.m	51.00
11101		Oiling (two or more coats) with raw linseed oil on new work.	sq.m	40.00
11102		Oiling (one or more coats) with raw linseed oil on old work.	sq.m	33.00
11103		Bees waxing on wood work with local made wax polish in proportion of 2:1 5:1 : 0.5 (2 wax : 1.5 linseed oil 1 turpentine oil, 0.5 varnish by weight) on new work.	sq.m	64.00
11104		Bees waxing on wood work with local made wax polish in proportion of 2:1 5:1 : 0.5 (2 bees wax : 1.5 linseed oil 1 turpentine oil, .5 varnish by weight) on old work.	sq.m	47.00
11105		Polishing on wood work with readymade superior quality wax polish of approved brand and manufacture on new work.	sq.m	63.00
11106		Polishing on wood work with readymade superior quality wax polish of approved brand and manufacture on old work.	sq.m	40.00
11107		Floor polishing on masonry or concrete floors with superior quality wax polish of approved brand and manufacture.	sq.m	35.00
11108		Painting (two or more coats) on rain water, soil, waste & vent pipes and fittings with black anti- corrosive bitumanstic paint of approved brand and manufacture over a priming coat of ready mixed genuine red lead on new work:		
	a)	50mm diameter pipes	m	22.00
	b)	75mm diameter pipes	m	28.00
11109		Painting (one or more coats) on rain water, soil, waste & vent pipes and fittings with black anti- corrosive bitumanstic paint of approved brand and manufacture on old work:		
	a)	50mm diameter pipes	m	17.00
	b)	75mm diameter pipes	m	16.00
	c)	100mm diameter pipes	m	20.00
	d)	150mm diameter pipes	m	24.00
11110		Painting (two or more coats) on rain water, soil, waste & vent pipes and fittings with aluminum paint of approved brand and manufacture over a priming coat of ready mixed genuine red lead on new work:		

	a)	50mm diameter pipes	m	26.00
	b)	75mm diameter pipes	m	32.00
	c)	100mm diameter pipes	m	44.00
	d)	150mm diameter pipes	m	59.00
11111		Painting (one or more coats) on rain water, soil, waste & vent pipes and fittings with aluminum paint of approved brand and manufacture on old work:		
	a)	50mm diameter pipes	m	16.00
	b)	75mm diameter pipes	m	23.00
	c)	100mm diameter pipes	m	32.00
	d)	150mm diameter pipes	m	42.00
11112		Lettering with black Japan paint of approved brand and manufacture.		
		*1 Letter of 1 cm height.	cm height / letter	17.00
11113		Re-lettering with black Japan paint of approved brand and manufacture.		
		*1 Letter of 1 cm ht.	cm height / letter	14.00
11114		Removing old paint of polish with paint remover of approved brand & manufacture & preparing surface	sq.m	6.00
11115		Removing old paint with blow lamp and preparing surface	sq.m	7.00
11116		Providing and applying Synthetic elastomeric coating cu.m paint of reputed make such as Palisade or equivalent conforming to relevant IS specification ready to use for bridge structures in saline atmosphere as to avoid salt concentration from marine environment, ultra-violet effects of the sun rays, fungus development and to protect the reinforcement from marine atmospheric effects in 3 coats including sand blasting, cleaning the concrete surfaces brushing and applying the polymer based chemical coating with PRIMER, 1ST COAT and SECOND COAT at an interval of 24 hrs in approved shade and colour including scaffolding etc. (as directed by the Engineer-in-charge) complete with 5 yrs guarantee)	sq.m	498.00
11117		Painting three or more coats with acrylic exterior paint of approved brand and manufacture (such as weather shield, APEX) including applying one coat of cement primer and one coat of surface treatment etc. complete.	sq.m	132.00
11118		Painting one or more coats of acrylic exterior paint of approved brand and manufacture	sq.m	76.00

	(such as weather shield, APEX) on old work including cleaning the surface with water etc. complete.		
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CHAPTER XII
DISMANTLING DEMOLISHING & REPAIRS WORK

Sr. No.	Description	Unit	Rate
12001	Repairs to plaster in patches of 2.5 sq.m. and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50m lead		
	With cement mortar 1:4 (1 cement : 4 fine sand)	sq.m	140.00
12002	Fixing doors chowkhat in existing opening including embedding chowkhats in floor, cutting masonry for hold fasts embedding hold fast in cement concrete blocks with cement concrete 1:3:6 (1 cement ; 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls & floors complete including disposal of rubbish to the dumping ground within 50mts. lead.	sq.m	423.00
12003	Fixing windows chowkhat in existing opening including cutting masonry for hold fasts embedding hold fast in cement concrete blocks with cement concrete 1:3:6 (1 cement ; 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls complete including disposal of rubbish to the dumping ground within 50mts. lead.	each	376.00
12004	Fixing clerestory windows chowkhat in existing opening including cutting masonry for hold fast embedding hold fast in cement concrete blocks with cement concrete 1:3:6 (1 cement ; 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls complete including disposal of rubbish to the dumping ground within 50mts. lead.	each	349.00
12005	Providing and fixing wooden cleats to doors and windows with the approved fittings including removal of old cleats where necessary including painting, polishing of bees waxing to match the existing shade.		

	a)	1 st class or 2 nd class Indian teak wood cleats with brass hinges and screws.	each	114.00
	b)	1 st class or 2 nd class teak wood cleats with iron hinges and screws.	each	88.00
12006		Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary		
	a)	Glass panes 2mm thick`	sq.m	542.00
	b)	Glass panes 3mm thick	sq.m	520.00
	c)	Frosted glass panes 2mm thick	sq.m	526.00
12007		Supplying and fixing new wooden fillets wherever necessary		
	a)	1 st class teak wood fillets.	m	25.00
	b)	2 nd class Indian teal wood fillets	m	24.00
12008		Removal of old putty of glass panes	m	18.00
12009		Refixing of old glass panes with putty and nails	sq.m	199.00
12010		Supplying and fixing glass panes with wooden fillets including removal of broken glass panes and old wooden fillet wherever necessary but excluding the cost of wooden fillets.		
	a)	Glass panes 2mm thick.	sq.m	553.00
	b)	Glass panes 3mm thick	sq.m	532.00
	c)	Frosted glass panes 2mm thick	sq.m	538.00
12011		Laying Mangalore roofing tiles, ridges, valleys etc. complete on roofs over existing battens rafters etc. (Tiles to be issued by the department)	sq.m	38.00
12012		Renewing wooden battens in roofs including making good the holes in walls & painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 meter lead :		
		Jamba wood beams	cu.m	30041.00
12013		Renewing wooden beams not exceeding 4.00 in length in roofs including making good the holes in walls & painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 meters. Lead :		
		Second class matti wood beams	cu.m	45927.00
12021		Renewing wooded beams (above 4mt. upto 5 mt. length in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including disposal of rubbish to the dumping ground within 50		

		meters lead.		
		Second class matti wood beams	cu.m	47843.00
12022		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 mts. lead.	sq.m	12.00
12023		Raking out joints in lime or cement mortar and preparing the surface for repainting or replastering including disposal of rubbish to the dumping ground within 50 mts. lead.	sq.m	15.00
12024		Providing and fixing M.S. fan clamps of standard shape and size in existing R.C.C. slab including cutting chase and making good and painting exposed portion of the clamps complete.	each	163.00
12025		Supplying and fixing glass panes with new wooden fillets including removal of broken glass panes and old wooden fillets, wherever necessary.		
	a)	Glass panes 2mm thick	sq.m	691.00
	b)	Glass panes 3mm thick	sq.m	669.00
	c)	Frosted glass panes 2mm thick	sq.m	675.00
12026		Supplying and fixing 3mm thick acrylic sheet with putty nails, in door/ window shutters including removal of broken glass pane wherever necessary.	sq.m	917.00
12027		Demolishing lime concrete & disposal of material within 50 mts. lead.	cu.m	182.00
12028		Demolishing cement concrete 1:3:6 or richer mix including disposal of material within 50 m lead.	cu.m	443.00
12029		Demolishing cement concrete 1:4:8 or leaner mix including disposal of material within 50 m lead.	cu.m	290.00
12030		Demolishing R.C.C. work including stacking of steel bars & disposal of unserviceable within 50 mts. lead.	cu.m	628.00
12031		Demolishing R.B. work including stacking of steel bars & disposal of unserviceable material within 50 mts. lead	cu.m	567.00
12032		Extra for cutting reinforcement bars in R.C.C. or R.B. work	sq.m	220.00
12033		Extra for scraping, cleaning and straightening reinforcement from R.C.C. or reinforced brick work	qtl	174.00
12034		Demolishing brick work in mud mortar including stacking of serviceable and disposal or unserviceable material within 50 mts. lead.	sq.m	157.00

12035		Demolishing brick work in lime mortar with old mughal bricks including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead.	cu.m	337.00
12036		Demolishing brick work in cement mortar including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead.	cu.m	382.00
12037		Removing mortar from & cleaning bricks (stacks of cleaned bricks will be measured)	cu.m	606.00
12038		Demolishing laterite stone masonry in cement mortar including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead.	cu.m	448.00
12039		Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50mts. lead.	cu.m	518.00
12040		Dismantling wood work of sectional area 40 sq.cm. and above wrought framed and fixed in frames, other frames and trusses including stacking of material within 50 mts. lead (span upto 10 mtrs.)	cu.m	756.00
12041		Dismantling wood work of area below 40 sq.cm. wrought framed and fixed in frames, other frames and trusses including stacking of material within 50 mts. lead	cu.m	7.00
12042		Dismantling doors, windows and clearestory windows (steel or wood) shutters including chowkhats architrave holdfast etc. complete and staking within 50 mt. Lead		
	a)	Of area 3 sq.m. and below	each	100.00
	b)	Area beyond 3 sq.m.	each	121.00
12043		Taking out doors, windows and clerestory windows shutters (steel or wood) including stacking within 50 mts. lead		
	a)	Of area 3 sq.m. and below	each	64.00
	b)	Area beyond 3 sq.m.	each	71.00
12044		Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of 1 mt. of part thereof beyond 10 meters.		
	a)	Sectional area 40 sq. cms. And above	cu.m	130.00
	b)	Sectional area below 40 sq. cms	cu.m	7.00
12045		Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of 1 m. or part thereof Dismantling steel work in single sections in R.S., joists including dismembering and staking within 50mts. lead		

	a)	Sectional area 40 sq.cm. and above	cu.m	178.00
	b)	Sectional area below 40 sq.cms.	cu.m	46.00
12046		Dismantling steelwork in single sections in R.S., joists including dismembering and stacking within 50 mts. lead	qtl	94.00
12047		Dismantling steelwork in single sections in channels, angles, tees and flats including dismembering and stacking within 50 mts. lead	qtl	78.00
12048		Dismantling steelwork in built up sections in angles, tees, flats and channels including all gusset plates bolts, nuts, cutting dismembering and staking within 50 mts. lead	qtl	130.00
12049		Dismantling steel work in built up sections excluding dismembering & stacking within 50 mts. lead.	qtl	103.00
12050		Extra for dismantling trusses, rafters, purlins etc. of steel work, for every additional span of one meter or part thereof beyond 10 mts.	qtl	55.00
12051		Extra for dismantling trusses, rafters, purlins etc. of steel work, for every additional height of one meter or part thereof beyond 5 mts.	qtl	55.00
12052		Extra for making structural steel work required to be reelected	qtl	73.00
12053		Dismantling the tile work in floors and roofs laid in cement including stacking of materials within 50 meters lead for thickness of tiles 10mm to 25mm	sq.m	118.00
12054		Demolishing dry bricks, pitching in floors drains etc., including stacking of serviceable and disposal of unserviceable material within 50 mts. lead.	cu.m	258.00
12055		Dismantling G.I. sheets roofing including ridges, hips valleys and gutters etc. and stacking the material within 50 meters lead.	sq.m	31.00
12056		Dismantling asbestos sheet roofing including ridges, hips valley and gutters and stacking the material within 50 meters lead.	sq.m	16.00
12057		Dismantling and removing Mangalore roofing tiles from roofs including ridges, hips, valleys, sheets wind ties etc. but excluding battens, roof timber etc. and stacking materials within a distance of 50 m.	sq.m	20.00
12058		Dismantling tiled roofing (Mangalore or pot or country tiles) with battens etc. complete including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead.	sq.m	30.00

12059		Demolishing thatch roofing including mats bamboo jafari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 mts. lead.	sq.m	20.00
12060		Dismantling ballies in posts purlins or rafters including stacking within 50 meters lead.	m	22.00
12061		Dismantling G.I. or asbestos rain water pipes with fittings and clamps including stacking the material within 50 mts. lead.		
		75mm to 150 mm dia.	m	17.00
12062		Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 meters lead.	qtl	85.00
12063		Dismantling wooden trellies work in position excluding frames but including stacking the serviceable material within 50 meters lead.	sq.m	15.00
12064		Dismantling expanded metal or hard drawn steel wire with necessary battens & bending including stacking the serviceable material within 50 mts. lead.	sq.m	17.00
12065		Dismantling wooden boarding in linings of walls & partitions excluding supporting members but including stacking within 50 meters lead.		
	a)	Upto 19mm thick	sq.m	14.00
	b)	Thickness above 19mm and upto 25mm	sq.m	16.00
	c)	Thickness above 25mm and upto 38mm	sq.m	18.00
12066		Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 meters lead.		
		Thickness upto 38mm	sq.m	51.00
		Thickness above 38mm and upto 75mm	sq.m	75.00
12067		Dismantling cements asbestos celotex or other ceiling or partition hard broad wall including stacking of serviceable materials and disposal of unserviceable materials within 50 mts. lead.	sq.m	13.00
12068		Dismantling and stacking within 50 meters lead fencing posts or struts including all earth work and dismantling of concrete etc. in the base of:		
	a)	T or l iron or pipes	each	127.00
	b)	R.C.C.	each	175.00
12069		Cutting ballies or wooden posts of fencing at the point of projection above the concrete or ground & stacking the same within 50 mts. lead.	each	38.00

12070		Dismantling rolling shutters, top covers and shafts etc. for replacement of spring's ball bearing complete and refixing the shutter after replacement of springs and ball bearing (cost of replacement parts excluded) including all labour and returning the unserviceable parts to the department complete.	sq.m	83.00
12071		Dismantling of existing G.I pipe including disposal of unserviceable material and stacking of serviceable materials.		
		(a) Upto 20 mm nominal bore	m	4.00
12072		Removing and refixing of door/ window shutters paneled or paneled and glazed including replacing of existing hinges chiseling etc complete as directed by Engineer- in – charge		
		(a) Below 1 Sq.m area	sq.m	561.00
		(b) Above 1 Sq.m area	sq.m	718.00

CHAPTER XIII

LANDSCAPING & HORTICULTURE WORK

Sr.No.		Description	Unit	Rate
13001		Supplying and stacking of good earth at site including royalty and carriage upto 1 km. (earth measured in stacks will be reduced by 20% for payment).	cu.m	292.00
13002		Rough dressing the trenched ground including breaking clods.	100 sq.m	75.00
13003		Fine dressing the trenched ground.	100 sq.m	128.00
13004		Spreading of sludge, dung manure or/and good earth in required thickness (cost of sludge, dung manure or/and good earth to be paid separately).	cu.m	53.00
13005		1) Grassing with “doob” grass including watering and maintenance of the lawn for 30 days or more till the grass forms of thick lawn free from weeds and fit for moving, including supplying good earth if needed. (Cost of “doob” grass not included)		
	a)	2) In rows 15 cm apart in either direction.	100 sq.m	171.00
	b)	2) In rows 7.5 cm apart in either direction.	100 sq.m	269.00
	c)	3) In rows 5 cm apart in either direction	100 sq.m	354.00
13006		Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in ratio of 2: 1 by volume (2 parts or stacked volume of earth after reduction by 20% and 1 part of stacked volume of manure after reduction by 40%) flooding with water, dressing including removal of rubbish & surplus earth if any with all leads & lifts (cost of manure or sludge of extra good earth if needed to be paid for separately)		
		Holes 1.2m dia and 1.2m deep	each	326.00
13007		Providing and fixing M.S. flat iron tree guard 60cm dia & 2 m high above ground level, formed of 4 nos. 25 x 6mm and 8 nos. 25 x 3mm vertical M.S. flat iron rings in two halves, bolted together with 8mm dia and 30 mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects.	each	2371.00

13008		Making tree guard 53cm dia and 1.5m high as per design from empty coat tar drums supplied from by the department including providing and fixing 2 nos. M.S. Sheet rings 50 x 0.5 mm with rivets complete in all respects including painting inside outside of tree guard with a) A coat of Coal tar	each	334.00
13009		Filling mixture of earth & sludge or manure in the desired proportion in trenches flooding with water and leveling (cost of supplying earth and sludge of manure and mixing excluded).	cu.m	44.00
13010		Excavation in dumped stones or mulba including stacking of serviceable & unserviceable material separately & disposal of unserviceable material lead upto 50m and lift upto 1.5m disposed material to be neatly dressed.	cu.m	122.00
13011		Excavation in water bound macadam road including stacking of serviceable & unserviceable material separately & disposal of unserviceable material lead upto 50m and lift upto 1.5m disposed material to be neatly dressed.	cu.m	167.00
13012		Tree guards made up of four panels of R.C.C. grade M 20 suitable reinforced (reinforcement not less than 7.20 kg) with smooth form finish size 1800mm x 600mm x 600mm with panel thickness of 40 mm provided with 14 SWG G.I. wire at top for tying (set of four panels	each	1125.00

CHAPTER XV

WATER SUPPLY SEWERAGE, PLUMBING & SANITATION WORK**Plumbing & Sanitation works**

Sr. No.	Description	Unit	Rate
15601	Proving and fixing white vitreous china water closet squatting pan (Indian type w.c. pan) size 580 mm with 100 mm sand cast iron P. or S trap 10 litres high level P.V.C. flushing cister (of approved make) with fittings, rack bolts 32 mm diameter P.V.C telescopic flush pipe with fit tings and clamps 25mm P.V.C. over flow pipe with specials & mosquito proof coupling of approved municipal design and nylon pull complete cutting and making good the walls and floors where required.		
	a) Long pan pattern W. C. Pan	each	2825.00
	b) Orissa pattern W.C. pan	each	3518.00
15602	Proving and fixing white vitreous china water closet squatting (European type w.c. pan) with seat and lid, C.P. brass hinges and rubber buffers 10 lts. High level P.V.C.. Flushing cistern (of approved make) with fittings, rack bolts 32 mm diameter P.V.C. Telescopic flush pipe with fit tings and clamps 25mm P.V.C... over flow pipe with specials & mosquito proof coupling of approved municipal design and nylon. chain and pull complete, cutting and making good the walls and floors where required.		
	a) W.C. pan with white plastic seat and lid.	each	4347.00
	b) W.C. pan with black plastic seat and lid.	each	4347.00
15603	Providing and fixing white vitreous china pedestal type (European type) water closet with seat as lid, with C.I. brass hinges and rubber fittings 15 lts white vitreous china low level flushing cistern with fittings as brackets 40 mm white porcelains 3enameled flush bad, 25 mm overflow pipe with specials and mosquito proof coupling of approved municipal design complete, including cutting and making good the walls and floors where required.		
	a) W.C. pan with white plastic seat and lid	each	4824.00
	b) W.C. pan with black plastic seat and lid.	each	4824.00

15604		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 430 x 265 mm sizes respectively with PVC automatic flushing cistern with fittings, R.S. or C.I. brackets, standard size galvanized steel flush pipe and spreaders with brass unions & G.I. clamps complete, including painting of cistern and fittings, cutting and making good the walls and floors where required.		
	a)	One urinal basin with 5 litres p .v .c. automatic flushing cistern.	each	2631.00
	b)	Range of two urinal basin with 10 litres PVC. Automatic flushing	each	3795.00
	c)	Range of three urinal basins with 10 liters PVC automatic flushing cistern .	each	4897.00
	d)	Range of four urinal basins with 15 liters PVC. automatic flushing cistern .	sq.m	6325.00
15605		Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral longitudinal flushing pipe, 100mm dia half round channel, PVC. Automatic flushing cistern with fittings R.S. or C.I. brackets, standard size G.I. flush pipe for back and front flush with standard spreader fittings, G.I. clamps, white vitreous china tiling 1200 mm high to front and side walls with white vitreous corners and angles set in neat cement standard urinal C.I. trap 65 mm diameter with vent arm & outlet grating & coupling in C.P. brass complete, including painting the cistern & fittings cutting and making good the walls and floors where required.		
	a)	Single plate with 5 litres PVC. automatic flushing cistern.	each	7048.00
	b)	Range of two squatting plates with 10 litres PVC automatic flushing cistern.	each	6343.00
	c)	Range of three squatting plates with 10 litres PVC. automatic flushing cistern.	each	8596.00
	d)	Range of four squatting plates with 15 litres PVC. automatic flushing cistern.	each	20492.00
15606		Providing and fixing vitreous china wash basin with RS or C.I. brackets painted white, 15 mm C.P. brass pillar taps C.P. brass chain with rubber plug 32 mm C.P. brass waste of pattern, 32 mm diameter M.I. or C.P. brass trap and union complete, including cutting and making good the walls where required.		

	a)	Flat back wash basin size 630 x 450mm with a pair of 15 mm C.P. brass pillar taps.	each	5729.00
	b)	Flat back wash basin size 630x 450mm with a single 15 mm C.P. brass pillar taps.	each	4829.00
	c)	Flat back wash basin size 550 x 400mm with a pair of single 15 mm C.P. brass pillar taps.	each	5839.00
	d)	Flat back wash basin size 550 x 400mm with a single 15 mm C.P. brass pillar taps.	each	4938.00
	e)	Angle back was basin size 600 x 480 mm with a pair of 15 mm C.P. brass pillar taps.	each	4619.00
	f)	Angle back was basin size 600 x 480 mm with single 15 mm C.P. brass pillar taps.	each	3719.00
15607		Plugging the hole of wash basin in pillar tap is not to be provided,.	each	137.00
15608		Providing and fixing white vitreous china pedestal for was basin complete recessed at the back for the reception of pipes and fittings.	each	1522.00
15609		Proving and fixing kitchen sink with R.S. or C.I. brackets C.P. brass chain with rubber plug 40 mm C.P. brass waste and 40mm M.I. or C.P. brass trap necessary unions complete, including painting the fittings, cutting and making good the walls where required.		
	a)	White vitreous china sink size 600 x 450 x 200 mm	each	6650.00
	b)	White vitreous china sink size 600 x 450 x 250 mm	each	5990.00
15610		Providing and fixing one piece construction bath tub size 1700 mm x 740 mm x 440 mm of desired shade including integral overflow & with detachable feet, a pair of 20 MM C.P. brass pillar taps, 40 mm c p. brass waste, 32 mm C.P brass overflow,, C.P. brass chain with rubber plug 40 mm m.i or CP. brass trap with union complete.		
	a)	Fibre glass tub of desired shade	each	23696.00
	b)	Acrylic 1520 x 710 x 440 mm	each	19631.00
	c)	Acrylic 1680 x 750 x 440 mm	each	19631.00
15611		Providing and fixing white vitreous china water closet squatting pan size 580 mm:		
	a)	Long pan pattern (Indian type) WC pan	each	1294.00
	b)	Orissa pattern W.C. pan	each	2019.00
15612		Providing & fixing white vitreous china pedestal type (European type) water closet pan	each	2489.00
15613		Providing & fixing a pair of white vitreous china 250 x 130 x 30 mm foot rests of standard pattern for squatting pan water closet.	each	497.00
15614		Providing and fixing 15 litres low level white vitreous china flushing cistern of approved	each	1549.00

		make with fittings such as lead, valve less syphon etc. and C. P. brass handle complete.		
15615		Providing and fixing 12.5 lts. High level C.I. flushing cistern of approved make within tegral fittings such as ball valve, ball lever G. I. Chain and pull complete.	each	710.00
15616		Providing and fixing 5 litres PVC. Automatic flushing cistern with fittings.	each	657.00
15617		Providing and fixing 10 litres PVC. Automatic flushing cistern with fittings.	each	784.00
15618		Providing and fixing plastic seat with lid for pedestal type WC pan with CP brass hinges rubber buffers etc. complete		
	a)	White plastic seat with lid	each	623.00
	b)	Black plastic seat with lid	each	623.00
15619		Providing and fixing G.I. Chain with G.I. pull	each	192.00
15620		Providing and fixing G. I. Inlet connection for flush pipes connecting with W. C. pan	each	109.00
15621		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 430 x 265 mm respectively.	each	916.00
15622		Providing and & fixing white vitreous china wash basin including making all connection but excluding the cost of fittings :		
	a)	Flat back wash basin of size 630 x 450 mm	each	1668.00
	b)	Flat back wash basin of size 550 x 400 mm	each	1777.00
	c)	Angle back wash basin of size 600 x 480 mm	each	558.00
15623		Providing & fixing kitchen sink including making all connections excluding cost of fittings.		
	a)	White vitreous china sink size 600 x 450 x 200 mm	each	4056.00
	b)	White vitreous china sink size 600 x 450 x 250 mm	each	4386.00
15624		Providing and fixing C.P. brass chain and rubber plug complete for sink of wash basin.	each	120.00
15625		Providing and fixing rubber plug for sink or wash basin	each	110.00
15626		Providing and fixing C. P. brass waste for wash basins and sink		
	a)	32 mm dia	each	306.00
	b)	40 mm dia.	each	418.00
15627		Providing & fixing M.I. fisher union for wash basin and sinks :		
	a)	32 mm dia .	each	193.00
	b)	40 mm dia	each	230.00
15628		Providing and fixing C.P. bras or M. I. Trap for wash basin and sinks :		

	a)	32 mm dia	each	1405.00
	b)	40 mm dia	each	314.00
15629		Providing & fixing (4') 100 mm sand cast iron grating for gully floor or nahni trap.	each	55.00
15630		Providing and fixing in position 32 mm diameter galvanized steel telescopic flush pipe complete including and cutting and making good the walls and floors.	each	315.00
15631		Providing & Fixing In Position 25 mm diameter mosquito proof coupling of approved municipal design.	each	292.00
15632		Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick asbestos sheet ground fixed to wooden cleats with C. P. brass screws and washers.	each	1422.00
15633		Providing & fixing 600 x 120 mm glass shelf with C. P. brass brackets and guard rail complete fixed to wooden cleats with C. P. brass screws.	each	1868.00
15634		Providing & fixing CP brass towel rail complete with C.P. brass brackets fixed to wooden cleats with C. P. brass screws		
	a)	750 x 20 mm size	each	672.00
	b)	600 x 20 mm size	each	659.00
15635		Providing and fixing toilet paper holder :		
	a)	C.P. brass	each	364.00
	b)	Polished wooden	each	139.00
15636		Providing & fixing liquid soap container with C. P. brass lid and brackets fixed to wooden cleats with C. P. brass screws		
	a)	Glass container	each	999.00
	b)	Plastic container	each	662.00
15637		Providing & fixing soap dish chromium plated with brackets fixed to wooden cleats with CP brass screw	each	649.00
15638		Providing & fixing sand cast iron spun soil, waste and vent pipes.		
	a)	100 mm dia	m	926.00
	b)	75 mm dia	m	792.00
	c)	50 mm dia	m	642.00
15639		Providing & fixing M.S. holder bat clamps of approved design to sand cast iron cast iron spun pipe embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1: 2:4 mix (1 cement ;2 coarse sand :4 graded stone aggregate 20 mm nominal size) including cost of cutting holes and making good the walls etc.		

	a)	For 100 mm dia pipe	each	125.00
	b)	For 75 mm dia pipe	each	117.00
	c)	For 50 mm dia pipe	each	114.00
15640		Providing & fixing sand cast iron bend of required degree with access door, insertion rubber washer 3mm thick bolts & nuts complete.		
	a)	100mm	each	642.00
	b)	75mm	each	538.00
	c)	50 mm	each	377.00
15641		Providing and fixing sand cast iron plain bend of required degree:		
	a)	100mm	each	556.00
	b)	75mm	each	526.00
	c)	50 mm	each	420.00
15642		Providing and fixing sand cast iron heel rest sanitary bend :		
	a)	100mm	each	441.00
	b)	75mm	each	383.00
	c)	50 mm	each	296.00
15643		Providing and fixing sand cast iron double equal junction of required degree with access door, insertion rubber washer 3 mm thick bolts and nuts complete:		
	a)	100 x 100 x 100 x 100mm	each	1277.00
	b)	75 x 75 x 75 x 75mm	each	944.00
	c)	50 x 50 x 50 x 50 mm	each	787.00
15644		Providing and fixing sand cast iron double equal plain junction of required degree :		
	a)	100 x 100 x 100 x 100mm	each	1132.00
	b)	75 x 75 x 75 x 75mm	each	881.00
	c)	50 x 50 x 50 x 50 mm	each	632.00
15645		Providing and fixing sand cast iron single equal junction of required degree:		
	a)	100 x 100 x 100 mm	each	746.00
	b)	75 x 75 x 75 mm	each	531.00
	c)	50 x 50 x 50 mm	each	528.00
15646		Providing and fixing sand cast iron single equal junction of required degree with access door, insertion rubber washer 3 mm thick bolts and nuts complete:		
	a)	100 x 100 x 100 mm	each	919.00
	b)	75 x 75 x 75 mm	each	879.00
	c)	50 x 50 x 50 mm	each	615.00
15647		Providing and fixing sand cast iron double unequal junction of required degree with access door, insertion rubber washer 3 mm thick bolts and nuts complete:		
	a)	100 x 100x 75 x 75 mm	each	699.00

	b)	100 x 100 x 50 x 50mm	each	576.00
	c)	75 x 75 x 50 x 50 mm	each	437.00
15648		Providing and fixing sand cast iron double unequal junction of required degree :		
	a)	100 x 100 x 75 x 75mm	each	686.00
	b)	100 x 100 x 50 x 50mm	each	563.00
	c)	75 x 75 x 50 x 50 mm	each	462.00
15649		Providing and fixing sand cast iron single unequal junction of required degree with access door insertion rubber washer 3 mm thick bolts and nuts complete:		
	a)	150 x 150 x 100 mm	each	989.00
	b)	100 x 100 x 75mm	each	823.00
	c)	100 x 100 x 50 mm	each	653.00
15650		Providing and fixing sand cast iron single unequal junction of required degree :		
	a)	150 x 150 x 100 mm	each	909.00
	b)	100 x 100 x 50mm	each	790.00
	c)	75 x 75 x 50 mm	each	545.00
15651		Providing and fixing sand cast iron double equal plain invert branch of required degree :		
	a)	100 x 100 x 100 x 100 mm	each	1132.00
	b)	75 x 75 x 75 x 75 mm	each	881.00
	c)	50x 50 x 50x 50 mm	each	632.00
15652		Providing and fixing sand cast iron single equal invert of required degree :		
	a)	100 x 100 x 100 mm	each	703.00
	b)	75 x 75 x 75 mm	each	480.00
	c)	50x 50 x 50 mm	each	336.00
15653		Providing and fixing sand cast iron double unequal plain invert of required degree :		
	a)	100 x 100 x 75 x 75 mm	each	787.00
	b)	100 x 100 x 50 x 50 mm	each	748.00
	c)	75x 75 x 50x 50 mm	each	641.00
15654		Providing and fixing sand cast iron single unequal invert branch of required degree :		
	a)	100 x 100 x 75 mm	each	1109.00
	b)	100x 100 x 50 mm	each	611.00
	c)	75x 75 x 50 mm	each	527.00
15655		Providing and fixing sand cast iron off-set:		
	A	100 mm off-set: 1) with 75 mm projection		
	1)		each	429.00
	2)	With 100 mm projection.	each	449.00
	3)	With 150 mm projection.	each	552.00
	4)	With 250 mm projection.	each	655.00
	B	75 mm off-set: 1) with 75 mm projection		
	1)		each	346.00
	2)	With 100 mm projection.	each	369.00
	3)	With 150 mm projection.	each	470.00

	4)	With 250 mm projection.	each	571.00
	C	50 mm off-set: 1) with 50 mm projection		
	1)		each	286.00
	2)	With 100 mm projection.	each	328.00
	3)	With 150 mm projection.	each	369.00
	4)	With 250 mm projection.	each	439.00
15656		Providing and fixing sand cast iron door piece, insertion rubber washer 3mm thick bolts and nuts complete :		
	a)	100 mm	each	145.00
	b)	75 mm	each	115.00
	c)	50 mm	each	92.00
15657		Providing and fixing sand cast iron terminal guard:		
	a)	100 mm	each	445.00
	b)	75 mm	each	340.00
	c)	50 mm	each	314.00
15658		Providing and fixing sand cast iron collar:		
	a)	100 mm	each	426.00
	b)	75 mm	each	290.00
	c)	50 mm	each	258.00
15659		Providing and fixing sand cast iron pass over pipe:		
	a)	100 mm	each	1114.00
	b)	75 mm	each	952.00
	c)	50 mm	each	913.00
15660		Providing lead caulked joint to sand cast iron , cast iron spun pies and fittings of dia :		
	a)	100 mm	each	227.00
	b)	75 mm	each	206.00
	c)	50 mm	each	182.00
15661		Providing and fixing M.S.. stays and clamps for sand cast iron spun pipes of dia:		
	a)	100 mm	each	119.00
	b)	75 mm	each	124.00
	c)	50 mm	each	84.00
15662		Providing and fixing sand cast iron trap of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :		
	a)	100 mm inlet and 100 mm outlet.	each	608.00
	b)	100 mm inlet and 75 mm outlet.	each	679.00
	c)	100 mm inlet and 50 mm outlet.	each	710.00
15663		Cutting chase in brick masonry walls for fixing 100 mm diameter sand cast iron pipes & making good the same with brick work in cement 1:3 (1 cement :3 fine sand)	m	368.00

15664		Cutting chase in brick masonry walls for fixing 50 mm diameter sand cast iron pipes & making good the same with brick work in cement 1:3 (1 cement :3 fine sand).	m	300.00
15665		Painting C.I. cistern with bitumastic or any other anti corrosive paint inside & white paint over a coat of ready mixed primer (of approved quality) on the outside surface of the cistern flush pipe, other fitting, etc complete for new work .	each	323.00
15666		Painting sand cast iron, cast iron spun soil waste, vent pipe sand fitting with paint of any colour such as chocolate, grey of buff etc. over a coat of primer (of approved quality) for new work .		
	a)	50 mm diameter pipe	m	22.00
	b)	100 mm diameter pipe.	m	37.00
15667		Repainting sand cast iron cast iron spun soil waste, vent pipes and fittings with paint of any colour such chocolate, grey or buff etc.		
	a)	50 mm diameter pipe	m	14.00
	b)	100 mm diameter pipe.	m	21.00
5668		Re-painting bath tubs 170 cm. Long with enamel paint.	m	423.00
15669		Providing and fixing white vitreous china type water closet squatting pan (European type WC. pan) with flush valve Nelson/ similar) fully chromium plated with stop cock wall flanges flush pipe or elbow and vacuum breaker coupling etc. including cutting making good the walls and floors where required.	m	5982.00
15670		Providing and fixing white vitreous china water closet squatting pan (Indian type WC pan) with flush valve Nelson/ similar) fully chromium plated with stop cock wall flanges flush pipe or elbow and vaccum breaker coupling etc. including cutting making good the walls and floors where required.		
		Long pan squatting W.C. pan.	each	5170.00
15671		Providing and fixing flush valve (nelson or similar) fully chromium plated with stop cock wall flange flush pipe or elbow and vacuum breaker coupling etc. complete :		
		For Indian or European W.C.	each	4097.00
15672		Providing & fixing G.I. pipes complete with G.I. fittings & clamps, including cutting and making good the walls etc. (Internal Work)		
	a)	15 mm nominal bore	m	245.00
	b)	20 mm nominal bore	m	281.00

	c)	25 mm nominal bore	m	366.00
	d)	32 mm nominal bore	m	455.00
	e)	40 mm nominal bore	m	509.00
	f)	50 mm nominal bore	m	703.00
15673		Providing & fixing G.I. pipes complete with G.I. fittings including trenching & re-filling etc. (external work).		
	a)	15 mm nominal bore	m	204.00
	b)	20 mm nominal bore	m	234.00
	c)	25 mm nominal bore	m	324.00
	d)	32 mm nominal bore	m	383.00
	e)	40 mm nominal bore	m	422.00
	f)	50 mm nominal bore	m	569.00
	g)	80 mm nominal bore	m	735.00
15674		Making connection of G. I. Distribution branch with G. I. Main 25 mm to 40 mm nominal bore by providing and fixing tee, including cutting and treading the pipe etc. complete	each	452.00
15675		Making connection of G. I. Distribution branch with G. I. Main 50 mm to 80 mm nominal bore by providing and fixing tee including treading the pipe etc. complete	each	494.00
15676		Fixing water meter & stop cock in G. I. Pipe line including cutting & treading the pipe and making long screw etc. complete (cost of water meter and stop cock to be paid separately)	each	241.00
15677		Providing and fixing brass bib cock (heavy) of approved quality :		
	a)	15 mm nominal bore	each	296.00
	b)	20 mm nominal bore	each	362.00
	c)	25 mm nominal bore .	each	427.00
15678		Providing and fixing brass stop cock (heavy) of approved quality :		
	a)	15 mm nominal bore	each	296.00
	b)	20 mm nominal bore	each	362.00
	c)	25 mm nominal bore .	each	426.00
	d)	32 mm nominal bore	each	787.00
	e)	40 mm nominal bore	each	976.00
	f)	50 mm nominal bore .	each	1150.00
15679		Providing and fixing brass full way valve (heavy) duty with wheel of approved quality :		
	a)	15 mm nominal bore	each	534.00
	b)	20 mm nominal bore	each	708.00
	c)	25 mm nominal bore .	each	1084.00
	d)	32 mm nominal bore	each	1516.00
	e)	40 mm nominal bore	each	2031.00
	f)	50 mm nominal bore .	each	2955.00

	g)	65 mm nominal bore .	each	4561.00
	h)	80 mm nominal bore .	each	6726.00
15680		Providing and fixing ball valve (brass) of approved quality :		
	a)	High pressure with P.V.C. floats:		
	1)	15 mm nominal bore	each	544.00
	2)	20 mm nominal bore	each	740.00
	3)	25mm nominal bore	each	1511.00
	b)	Low pressure with copper. floats :		
	1)	15 mm nominal bore	each	727.00
	2)	20 mm nominal bore	each	1002.00
	3)	25mm nominal bore	each	2080.00
	c)	High or low pressure with plastic floats:		
	1)	15 mm nominal bore	each	383.00
	2)	20 mm nominal bore	each	412.00
	3)	25mm nominal bore	each	470.00
15681	b)	Providing and fixing non-return valve of approved quality :		
	a)	25 mm nominal bore	each	875.00
	b)	32 mm nominal bore	each	1280.00
	c)	40 mm nominal bore	each	1758.00
	d)	50 mm nominal bore	each	3264.00
	e)	65mm nominal bore	each	3845.00
	f)	80 mm nominal bore	each	4315.00
15682		Providing and fixing brass ferrule heavy C.I. mouth cover including boring tapping the main:		
	a)	15 mm nominal bore	each	460.00
	b)	20 mm nominal bore	each	737.00
	c)	25 mm nominal bore .	each	1317.00
15683		Providing and fixing P.V.C. connection pipe with brass unions 15 mm nominal bore:		
	a)	30 cm (12") length .	each	105.00
	b)	37.5 cm (15") length .	each	108.00
	c)	45 cm (18") length .	each	113.00
15684		Providing and fixing C.P. brass shower rose with 15 or 20 mm. Inlet:		
	a)	100 mm diameter.	each	279.00
	b)	150 mm diameter.	each	555.00
15685		Providing and fixing normal gauge polythene pipes of approved quality complete with special flange compression type fitting (of approved make) including trenching ad refilling etc (external work) (high density):		
	a)	25 mm nominal bore.	each	73.00
	b)	32 mm nominal bore	each	91.00

	c)	40 mm nominal bore	each	130.00
	d)	50 mm nominal bore	each	185.00
15686		Providing and fixing normal gauge polythene pipes of approved quality complete with special flange compression type fitting of approved quality complete with special flange compression type fitting (of approved make including trenching and refilling etc. (external work), low density:		
	a)	63 mm dia O.D.	m	264.00
	b)	75 mm dia O.D.	m	356.00
	d)	90 mm dia O.D.	m	381.00
15687		Providing and placing on terrace roof of floor two (1 st floor roof single piece rotational moulded polythene water storage tank having I S I mark and conforming to I S 12701; 1996.		
	a)	200 lit .capacity	each	1498.00
	b)	500 lit. capacity	each	3694.00
	c)	1000 lit. capacity	each	7248.00
15688		Extra for placing polythene tank on roof of floor three (2 nd floor roof)		
	a)	200 lit .capacity	each	105.00
	b)	500 lit. capacity	each	174.00
	c)	1000 lit. capacity	each	244.00
15689		Providing, laying and jointing glazed stone wear pipes grade “a” with stiff mixture of cement mortar in the proportion of 1:1 (1 cement :1 fine sand) including testing of joints etc. complete :		
	a)	100 mm diameter.	m	200.00
	b)	150 mm diameter.	m	349.00
	c)	230 mm diameter.	m	550.00
15690		Providing and laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone, aggregate 40 mm nominal size) all round S.W. pipes including bed concrete 15 cm thick as per standard design :		
	a)	100 mm diameter.	m	592.00
	b)	150 mm diameter.	m	634.00
	c)	230 mm diameter.	m	786.00
15691		Providing and laying cement concrete 1:5:10 (1 cement :5 fine sand :10 graded stone aggregate 40 mm nominal size upto haunches of S.W pipes including bed concrete 15cm thick as per standard design :		
	a)	100 mm diameter S.W. pipe.	m	397.00
	b)	150 mm diameter S.W. pipe	m	436.00
	c)	230 mm diameter. S.W. Pipe	m	553.00

15692		Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300 x 300 mm size (inside the weight of cover to be not less than 4.53 kg). And frame to be not less than 2.72 kg as per standard design :		
	a)	100 x 100 mm size P type	each	2054.00
	b)	150 x 100 mm size –P or S type	each	2129.00
15693		Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps:		
	a)	100 mm dia meter .	m	15.00
	b)	150 mm diameter	m	16.00
	c)	230 mm diameter	m	18.00
	d)	300 mm diameter	m	20.00
15694		Constructing brick masonry manhole or inspection chamber with second class bricks in cement mortar 1:5 (1 cement :5 fine sand) R.C.C. top slab with 1:2:4 mix (1 cement: 2 coarse sand ;4 graded stone aggregate 20mm nominal size foundation concrete 1:2:4 mix (1 cement ;2 coarse sand :4 graded stone aggregate 40mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) neatly finished complete as per standard design.		
	a)	Inside size 90 x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x610mm internal dimensions total weight of cover ad frame to be not less than 38 kg. (weight of cover 23 kg.)	each	7620.00
	b)	Inside size 90 x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg.)	each	9282.12
	c)	Inside size 1.2m x 90 cm and 90cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter total weight of cover and frame to be not less than 116 kg. (weight of cover 58 kg).	each	18233.65

	d)	Inside size 60 x 60cm and 60cm deep including C.I. cover with frame (light duty) 455x610mm internal diameter total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg).	each	6247.04
15695		Constructing brick masonry manhole or inspection chamber with second class bricks in cement mortar 1:5 (1 cement :5 fine sand) R.C.C. top slab with 1: 1 1/2:3 mix (1 cement: 1 1/2 coarse sand ;3 graded stone aggregate 20mm nominal size foundation concrete 1:1 1/2:3 mix (1 cement ;1 1/2 coarse sand :8 graded stone aggregate 20mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) neatly finished complete as per standard design.		
	a)	Inside size 90 x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x610mm internal dimensions total weight of cover ad frame to be not less than 38 kg. (weight of cover 23 kg.)	each	6465.79
	b)	Inside size 90 x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg.)	each	7994.70
	c)	Inside size 1.2m x 90 cm and 90cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter total weight of cover and frame to be not less than 116 kg. (weight of cover 58 kg).	each	16668.41
	d)	Inside size 60 x 60cm and 60cm deep including C.I. cover with frame (light duty) 455x610mm internal diameter total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg).	each	5556.79
15696		Constructing brick masonry manhole or inspection chamber with second class bricks in cement mortar 1:5 (1 cement :5 fine sand) R.C.C. top slab with grade M 25 mix design with coarse sand and graded granitic or basaltic stone aggregate as per mix design requirements foundation concrete M 25 mix design with coarse sand graded granitic or basaltic stone aggregate as per mix design requirements inside plastering 12 mm thick		

		with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) neatly finished complete as per standard design.		
	a)	Inside size 90 x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x610mm internal dimensions total weight of cover ad frame to be not less than 38 kg. (weight of cover 23 kg.)	each	6561.55
	b)	Inside size 90 x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg.)	each	8118.00
	c)	Inside size 1.2m x 90 cm and 90cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter total weight of cover and frame to be not less than 116 kg. (weight of cover 58 kg).	each	16800.00
	d)	Inside size 60 x 60cm and 60cm deep including C.I. cover with frame (light duty) 455x610mm internal diameter total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg).	each	5616.00
15697		Extra for depth for manholes : a) size 90 x 80 cm	m	3708.00
15698		Extra for depth for manholes : a) size 1.2 x 90 cm	m	4437.00
15699		Providing M.S. footrests including fixing in manholes with 20 x 20 x 10 cm cement concrete block 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design :		
	a)	With 20 x 20 mm square or round bar	each	262.00
15700		Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20 cm x 20 cm x 10 cm cement concretes including 1:3:6 (cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size):		
	a)	With 20mm x 20 mm square of round bar	each	140.00
15701		Supplying and fixing C.I. cover without frame for manholes:		
	a)	445x610 mm rectangular C.I. cover (light	each	2526.00

		duty) weight of cover to be not less than 23 kg.		
	b)	500 mm dia C. I. Cover (medium duty) the weight of the cover to be not less than 58 kg.	each	8477.00
15702		Making connection of drain or sewer line with existing manholes including braking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete:		
	a)	For pipe 100 to 150 mm dia	each	91.00
	b)	For pipe 250 to 300 mm dia	each	696.00
15703		Making chases upto 7.5x7.5 cm in walls including making good after housing G.I. pipe etc.	m	45.00
15704		Making soak pit. 2.5 m dia 3 m deep with 45x45 cm dry brick honey comb shaft and S.W. drain pipe 100 mm diameter, 1.8 m long complete filled with laterite stone aggregate 125 to 180 mm surrounded by laterite stone aggregate of 40 mm and down gauge as per standard design.	each	11785.00
15705		Constructing soak pit 1.20m x 1.20m x1.20m filled with laterite stone aggregate 125 to 180 mm including S.W. drain pipe 100 mm diameter and 1.2m. long complete as per standard design. :	each	1736.00
15706		Providing and fixing standard sand cast iron intercepting tap inside interception chamber (to be paid separately) including jointing with stiff mixture of cement mortar 1:1 (1 cement 1 fine sand) as directed by engineer-in-charge:		
	a)	For 100 mm dia pipe.	each	888.00
	b)	For 150 mm dia pipe	each	972.00
15707		Providing and fixing rigid PVC S.W.R. (soil, waste & rain water drainage pipes of approved including lubricant etc. complete (single/double) socketed:		
	a)	110 mm dia	m	311.00
	b)	75 mm dia	m	159.00
15708		Providing and fixing rigid PVC bend of required degree (of approved make) for S.W.R. drainage pipes of approved including lubricating.		
	a)	110 mm dia	m	280.00

	b)	75 mm dia	m	168.00
15709		Providing and fixing rigid PVC bend (approved make) for S.W.R. pipes including lubricating etc complete bend with door :		
	a)	100 mm dia	each	166.00
	b)	75 mm dia	each	110.00
15710		Providing and fixing single tee of rigid PVC (approved make) for S.W.R. pipes including lubricating etc. complete, without door:		
	a)	110 mm dia.	each	161.00
	b)	75 mm dia.	each	130.00
15711		Providing and fixing single Tee of rigid PVC (approved make) for S.W.R. pipes including lubricating etc complete, with door :		
	a)	110 mm dia	each	182.00
	b)	75 mm dia	each	143.00
15712		Providing and fixing single “Y” of rigid PVC (approved make) for S.W.R. pipes including lubricating etc complete, without door :		
	a)	110 mm dia	each	143.00
	b)	75 mm dia	each	84.00
15713		Providing and fixing single “Y” of rigid PVC (approved make) for S.W.R. pipes including lubricating etc complete, with door :		
	a)	110 mm dia	each	170.00
	b)	75 mm dia	each	98.00
15714		Providing and fixing double “Y” of rigid PVC (approved make) for S.W.R. pipes including lubricating etc complete, without door :		
	a)	110 mm dia	each	365.00
	b)	75 mm dia	each	257.00
15715		Providing and fixing single “Y” of rigid PVC (approved make) for S.W.R. pipes including lubricating etc complete, with door :		
	a)	110 mm dia	each	331.00
	b)	75 mm dia	each	213.00
15716		Providing and fixing nahani trap of rigid PVC (approved make) for S.W.R. pipes including lubricating etc complete, without door :		
	a)	110 mm dia	each	106.00
	b)	75 mm dia	each	104.00
15717		Providing and fixing U.P.V.C. pipe clips (approved make) for S.W.R. pipes :		
	a)	110 mm dia	each	51.00
	b)	75 mm dia	each	47.00
15718		Providing and fixing R.P.V.C. vent cowl:		
	a)	110 mm dia	each	99.00
	b)	75 mm dia	each	88.00

15719		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 soil waste and vent pipes NECO brand or equivalent.		
	a)	75 mm dia.	m	874.00
	b)	100 mm dia.	m	1041.00
	c)	150 mm dia.	m	1820.00
15720		Providing and fixing centrifugally cast iron bend confirming to IS 3989 / 84 plain of require degree.		
	a)	75 mm dia.	each	454.00
	b)	100 mm dia.	each	569.00
	c)	150 mm dia.	each	1117.00
15721		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 bend of require degree with access door insertion rubber 3 mm thick bolts and nuts etc..		
	a)	75 mm dia.	each	453.00
	b)	100 mm dia.	each	545.00
	c)	150 mm dia.	each	654.00
15722		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 heel rest sanitary bend.		
	a)	75 mm dia.	each	197.00
	b)	100 mm dia.	each	221.00
	c)	150 mm dia.	each	461.00
15723		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 single equal plain junction of required degree.		
	a)	75 x 75 x 75 mm	each	454.00
	b)	100 x 100 x 100 mm	each	573.00
	c)	150 x 150 x 150 mm.	each	809.00
15724		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 single equal plain junction of required degree with access door insertion rubber 3 mm. thick with bolts.		
	a)	75 x 75 x 75 mm	each	640.00
	b)	100 x 100 x 100 mm	each	928.00
	c)	150 x 150 x 150 mm.	each	2088.00
15725		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 single equal plain invert (Y) branch of required degree.		
	a)	75 x 75 x 75 mm	each	483.00
	b)	100 x 100 x 100 mm	each	677.00
	c)	150 x 150 x 150 mm.	each	2909.00
15726		Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 double equal plain junction of required degree.		
	a)	75 x 75 x 75 x 75mm	each	779.00
	b)	100 x 100 x 100 x 100 mm	each	953.00

	c)	150 x 150 x 150 x 150 mm.	each	1355.00
15727		Providing and fixing centrifugally cast iron conforming to IS 3989 / 84 double equal junction of required degree with access door insertion rubber washer 3 mm. thick, bolts and nuts complete.		
	a)	75 x 75 x 75 x 75mm	each	826.00
	b)	100 x 100 x 100 x 100 mm	each	1022.00
	c)	150 x 150 x 150 x 150 mm.	each	1382.00
15728		Providing and fixing centrifugally cast iron conforming to IS 3989 / 84 double equal plain invert (Y) branch of required degree.		
	a)	75 x 75 x 75 x 75 mm	each	370.00
	b)	100 x 100 x 100 x 100mm	each	446.00
	c)	150 x 150 x 150 x 150 mm.	each	1020.00
15729		Providing and fixing centrifugally cast iron conforming to IS 3989/84 collar.		
	a)	75 mm dia.	each	128.00
	b)	100 mm dia.	each	169.00
	c)	150 mm dia.	each	335.00
15730		Providing and fixing centrifugally cast iron terminal guard conforming to IS 3989 / 84		
	a)	75 mm dia.	each	151.00
	b)	100 mm dia.	each	156.00
	c)	150 mm dia.	each	318.00
15731		Providing and fixing centrifugally cast iron conforming to IS 3989/84 offset.		
	a)	75 mm with 75 mm projection	each	176.00
		75 mm with 115 mm. projection	each	197.00
		75 mm with 150 mm projection	each	221.00
	b)	100 mm with 75 mm projection	each	221.00
		100 mm with 115 mm projection	each	228.00
		100 mm with 150 mm projection	each	296.00
	c)	150 mm with 75 mm projection	each	402.00
		150 mm with 115 mm projection	each	439.00
		150 mm with 150 mm projection	each	520.00
15732		Providing and fixing centrifugally cast iron conforming to IS 3989/84 single unequal plain junction of required degree.		
	a)	100 x 100 x 50 mm	each	1044.00
	b)	100 x 100 x 75 mm.	each	960.00
	c)	150 x 150 m 100 mm	each	2320.00
15733		Providing and fixing centrifugally cast iron conforming to IS 3989 / 84 single unequal plain invert branch of required degree.		
	a)	100 x 100 x 50 mm	each	355.00
	b)	100 x 100 x 75 mm.	each	423.00
	c)	150 x 150 m 100 mm	each	701.00

15734		Providing and fixing centrifugally cast iron conforming to IS 3989 / 84 single unequal invert branch with access door insertion rubber washer 3 mm thick with nuts bolts complete.		
	a)	100 x 100 x 50 mm	each	1068.00
	b)	100 x 100 x 75 mm.	each	1376.00
	c)	150 x 150 m 100 mm	each	2516.00
15735		Providing and fixing centrifugally cast iron conforming to IS 3989 / 84 double unequal plan junction. bolts complete.		
	a)	75 X 75 X 50 x 50 mm	each	307.00
	b)	100 x 100 x 50 x 50 mm	each	377.00
	c)	100 x 100 x 75 x 75 mm	each	506.00
	d)	150 x 150 x 100 x 100 mm	each	882.00
15736		Providing and fixing centrifugally cast iron conforming to IS 3989 / 84 double unequal junction of required degree with access door insertion rubber washer 3 mm thick with nuts bolts complete.		
	b)	100 x 100 x 50 x 50 mm	each	1145.00
	c)	100 x 100 x 75 x 75 mm	each	1592.00
	d0	150 x 150 x 100 x 100 mm	each	2526.00
15738		Providing and fixing NICKEL chrome plated copper alloy Fancy Pillar Cock rocket type Jaquar make or equivalent. Confirming to IS 8931;1993		
		15mm nominal bore	each	742.00
15739		Providing and fixing NICKEL chrome plated copper alloy Fancy BIB Cock Short Body Jaquar make or equivalent. Confirming to IS 8931;1993		
		15mm nominal bore	each	728.00
15740		Providing and fixing NICKEL chrome plated copper alloy Fancy long body bib cock with wall flance Jaquar make or equivalent. Confirming to IS 8931;1993		
		15mm nominal bore	each	958.00
15741		Providing and fixing NICKEL chrome plated copper alloy Fancy two way long body bib cock with wall flance Jaquar make or equivalent. Confirming to IS 8931;1993		
		15mm nominal bore	each	1278.00
15742		Providing and fixing NICKEL chrome plated copper alloy Fancy concealed stop cock with sheet flance 20mm Jaquar make or equivalent. Confirming to IS 8931;1993		
		20mm nominal bore	each	1118.00

15743		Providing and fixing NICKEL chrome plated copper alloy Fancy concealed stop cock with sliding flange 15 mm Jaquar make or equivalent. Confirming to IS 8931;1993		
		15mm nominal bore	each	1110.00
15744		Providing and fixing NICKEL chrome plated copper alloy Fancy wall mixer with 115mm long bend pipe for connection to over head shower Jaquar make or equivalent. Confirming to IS 8931;1993		
		Wall mixer with 115 mm long bend pipe for connection to over head shower.	each	3409.00
15745		Providing and fixing NICKEL chrome plated copper alloy Fancy wall mixer with 3 IN 1 SYSTEM WITH 115MM long bend pipe for connection to over head shower Jaquar make or equivalent. Confirming to IS 8931;1993	each	3814.00
15746		Providing and fixing NICKEL chrome plated copper alloy Fancy wall mixer non telephonic shower system Jaquar make or equivalent. Confirming to IS 8931;1993	each	2604.00
15747		Providing and fixing NICKEL chrome plated copper alloy Fancy sink mixer with U shape swinging casted spout Jaquar make or equivalent. Confirming to IS 8931;1993	each	2604.00
15748		Providing and fixing NICKEL chrome plated copper alloy Fancy TELEPHONIC SHOWER 1.5M FLEXIBLE TUBE WITH SWINGING WALL HOOK Jaquar make or equivalent. Confirming to IS 8931;1993	each	1597.00
15749		Providing and fixing NICKEL chrome plated copper alloy Fancy BOTTLE TRAP ECONOMY TYPE 32MM Jaquar make or equivalent. Confirming to IS 8931;1993	each	1271.00
15750		Providing and fixing NICKEL chrome plated copper alloy Fancy waste coupling 32 mm with 190 mm long connection pipe wall flange Jaquar make or equivalent. Confirming to IS 8931;1993	each	882.00
15751		Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes confirming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipes with clamps at 1 m. spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of the Engineer-in-charge. Internal work exposed on wall (Medium duty SDR 13.5 pipe).		

	a	15 mm outer dia CPVC pipe	m	227.00
	b	20 mm outer dia CPVC pipe	m	298.00
	c	25 mm outer dia CPVC pipe	m	389.00
	d	32 mm outer dia CPVC pipe	m	883.00
	e	40 mm outer dia CPVC pipe	m	997.00
	f	50 mm outer dia CPVC pipe	m	1855.00
15752		Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes confirming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipes with clamps at 1 m. spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of the Engineer-in-charge. Concealed work (medium duty SDR 13.5 pipe) including cutting chases and making good the walls etc.		
	a	15 mm dia nominal outer dia pipes.	m	289.00
	b	20 mm dia nominal outer dia pipes.	m	380.00
	c	25 mm dia nominal outer dia pipes.	m	504.00
	d	32 mm dia nominal outer dia pipes.	m	1160.00
15753		Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes confirming to IS: 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings CPVC solvent cement, trenching, refilling and testing of joints complete as per directions of the Engineer in charge.(External work (heavy duty SDR 11 pipe)		
	a	15 mm nominal outer dia pipes	m	146.00
	b	20 mm nominal outer dia pipes.	m	167.00
	c	25 mm nominal outer dia pipes.	m	216.00
	d	32 mm nominal outer dia pipes.	m	298.00
	e	40 mm nominal outer dia pipes.	m	396.00
	f	50 mm nominal outer dia pipes.	m	623.00
15754		Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 7.4 UV stabilized & anti-microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer in charge. (Internal work - exposed on wall)		
	a	PN-16 Pipe, 16 mm OD	m	94.00
	b	PN-16 Pipe, 20 mm OD	m	107.00

	c	PN-16 Pipe, 25 mm OD	m	150.00
	d	PN-16 Pipe, 32 mm OD	m	223.00
	e	PN-16 Pipe, 40 mm OD	m	344.00
	f	PN-16 Pipe, 50 mm OD	m	510.00
15755		Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 7.4 UV stabilized & anti-microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. (Concealed work including cutting chases and making good the walls etc.)		
	a	PN-16 Pipe, 16 mm OD	m	140.00
	b	PN-16 Pipe, 20 mm OD	m	155.00
	c	PN-16 Pipe, 25 mm OD	m	208.00
	d	PN-16 Pipe, 32 mm OD	m	298.00
15756		Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 7.4 UV stabilized & anti-microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching, refilling & testing of joints complete as per direction of Engineer in charge. (External work)		
	a	PN-16 Pipe, 16 mm OD	m	89.00
	b	PN-16 Pipe, 20 mm OD	m	100.00
	c	PN-16 Pipe, 25 mm OD	m	142.00
	d	PN-16 Pipe, 32 mm OD	m	208.00
	e	PN-16 Pipe, 40 mm OD	m	319.00
	f	PN-16 Pipe, 50 mm OD	m	485.00
	g	PN-16 Pipe, 63 mm OD	m	768.00
	h	PN-16 Pipe, 75 mm OD	m	1056.00
	i	PN-16 Pipe, 90 mm OD	m	1596.00
15757		Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 11 UV stabilized & anti-microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching, refilling & testing of joints complete as per direction of Engineer in charge. (External work)		
		PN-10 Pipe, 110 mm OD (SDR-11)	m	1587.00

15758	Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 11 UV stabilized & anti-microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching, refilling & testing of joints complete as per direction of Engineer in charge. (External work)		
	PN-16 Pipe, 160mm OD (SDR-11)	m	3396.00

CHAPTER XVIII

MISCELLANEOUS WORK

Sr. No.	Description	Unit	Rate
18001	Constructing brick masonry chullah 0.75 x 0.45 x 0.23 mts. with two holes in cement mortar 1: 6 (1 cement : 6 coarse sand) fixing iron grating 15cms. diameter and finishing with mud and gobri plaster complete	each	2210.00
18002	Providing and fixing 10cms dia flue of asbestos cement pipe with necessary specials including fixing in position with iron clamps complete.	m	67.00
18003	Providing & fixing 25 x 25 x 1.7mm (1" x 1" x 1/16") angle iron or 24 x 34mm (1" x 1/8") tread plate to RCC steps.	m	119.00
18004	Hollow glass block 20 x 20 x 10cms in wall laid in cement mortar 1:4 (1 cement: 4 fine sand) and pointed with cement mortar 1: 4 (1 cement: 4 find sand) with colour pigment as required	sq.m	3602.00
18005	Providing aluminum strips edging of size 38 x 12 x 3 mm to stairs.	m	276.00
18006	Providing and fixing 25mm dia G.I. pipes outlet in cement mortar 1:3 (1 cement : 3 fine sand) including cutting and making good the wall.	m	510.00
18007	Providing and fixing 40mm dia G.I. pipes outlet in cement mortar 1: 3 (1 cement : 3 fine sand) including cutting and making good the wall.	m	546.00
18008	Providing and fixing peg rack 75 x 10 x 2 cm thick of first class Indian teak wood with three brass peg chromium plated of approved design.	each	863.00
18009	Providing and fixing chases 75mm width 50mm deep average size in walls for conduit pipe and filling the same with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm and down gauge) after the conduit pipe is full excluding the cost for 30 meters	m	42.00
18010	Supplying jamba wooden bally piles 150 mm mean diameter cut to length required (not exceeding 9 meters) and planted in position ready for driving:		
	a) Upto 2.5 meters long pile	m	250.00
	b) Above 2.50 meters upto 3.50 meters long pile	m	262.00

	c)	Above 3.50meters upto 5.00 meters long pile	m	276.00
	d)	Above 5.00 meters long pile	m	289.00
18011		Supplying jamba wooden bally piles 200 mm mean diameter cut to a length required (not exceeding 9 meters) and planted in position ready for driving:		
	a)	Upto 2.5 meters long pile	m	342.00
	b)	Above 2.50 meters upto 3.50 meters long pile	m	359.00
	c)	Above 3.50 meters upto 5.00 meters long pile	m	377.00
	d)	Above 5.00 meters long pile	m	396.00
18012		Heading and pointing whole bally piles 150mm diameter including only rings, providing and fixing pile shoes, cutting of heads after driving and taking out rings removing cut off portions to departmental store as specified.	each	243.00
18013		Heading and pointing whole bally piles 200mm diameter including only rings, providing and fixing pile shoes, cutting of heads after driving and taking out rings removing cut off portions to departmental store as specified.	each	284.00
18014		Driving down wooden piles of 150mm diameter either in vertical or battered work to approved lines and level through various strata including arranging all the appliances necessary for pile driving complete at site (portion in ground only to be measured)		
	a)	Upto 2.5 meters long pile	m	250.00
	b)	Above 2.50 meters upto 3.50 meters long pile	m	263.00
	c)	Above 3.50 meters upto 5.00 meters long pile	m	276.00
	d)	Above 5.00 meters long pile	m	290.00
18015		Driving down wooden piles of 200mm diameter either in vertical or battered work to approved lines and level through various strata including arranging all the appliances necessary for pile complete at site (portion in ground only to be measured)		
	a)	Upto 2.5 meters long pile	m	257.00
	b)	Above 2.50 meters upto 3.50 meters long pile	m	270.00
	c)	Above 3.50 meters upto 5.00 meters long pile	m	284.00
	d)	Above 5.00 meters long pile	m	298.00
18016		Providing anti – termite treatment to buildings conforming to I.S.S. 6113 part II 1971 (revised) including adopting precautions for health hazards and safety measures as required therein with the cost of all materials, chemicals, plants, equipments required for the treatment and furnishing a guarantee for a		

		minimum period of 10 years from the date of completion including eradicating any infestation of termite free of cost during the guaranty period complete. (The payment will be made on plinth of the building.		
		(a) Pre-construction	sq.m	100.00
		(b) Post construction	sq.m	110.00
18017		Boring holes vertically true to line and form for R.C.C. bored piles of required diameter in all strata except hard rock including removing slush, all kinds of soil and rock, percolating water etc. complete from the above to keep ready for concrete after placing reinforcement but excluding the cost of providing and laying concrete and reinforcement.		
	a)	500mm dia bore : 1) upto 12m from ground	m	2399.00
	1	Above 12m but upto 15m depth add 5%	m	2519.00
	2	Above 15m and upto 18 m depth add 5%	m	2645.00
	b)	400mm dia bore : 1) upto 12m from ground	m	1663.00
	1	Above 12m but upto 15m depth add 5%	m	1746.00
	2	Above 15m and upto 18 m depth add 5%	m	1833.00
	c)	300mm dia bore : 1) upto 12m from ground	m	1203.00
	1	Above 12m but upto 15m depth add 5%	m	1263.00
	2	Above 15m and upto 18 m depth add 5%	m	1326.00
	d)	600mm dia bore : 1) upto 12m from ground	m	3136.00
	1	Above 12m but upto 15m depth add 5%	m	3292.00
	2	Above 15m and upto 18 m depth add 5%	m	3457.00
18018		Providing and laying reinforced cement concrete 1:1.5:3 (1 cement 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) in bored piles of specified diameter at the approved workability and compaction as per the discretion of the Engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement.		
	a)	500mm dia bore : 1) upto 12m depth from G.L.	m	1765.00
	1	Above 12m but upto 15m add 10%	m	1942.00
	2	Above 15m but upto 18 m add 10%	m	2136.00
	b)	400mm dia pile : 1) upto 12m depth from G.L.	m	1206.00
	1	Above 12m but upto 15m depth add 10%	m	1326.00
	2	Above 15m but upto 18 m. depth add 10%	m	1459.00

	c)	300mm dia pile : 1) upto 12m depth from G.L.	m	750.00
	1	Above 12m but upto 15m depth add 10%	m	825.00
	2	Above 15m but upto 18 m depth add 10%	m	907.00
	d)	600mm dia pile : 1) upto 12m depth from G.L.	m	2429.00
	1	Above 12m but upto 15m depth add 10%	m	2671.00
	2	Above 15m but upto 18 m depth add 10%	m	2939.00
18019		Providing and laying reinforced cement concrete of grade M 25 (mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the approved workability and compaction as per the discretion of the Engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement.		
	a)	500mm dia pile : 1) upto 12m from G.L.	m	1884.00
	1	Above 12m but upto 15m depth add 10%	m	2073.00
	2	Above 15m but upto 18 m depth add 10%	m	2280.00
	b)	400mm dia pile : 1) upto 12m from G.L.	m	1282.00
	1	Above 12m but upto 15m depth add 10%	m	1410.00
	2	Above 15m but upto 18 m depth add 10%	m	1551.00
	c)	300mm dia pile : 1) upto 12m from G.L.	m	793.00
	1	Above 12m but upto 15m depth add 10%	m	872.00
	2	Above 15m but upto 18 m depth add 10%	m	959.00
	d)	600mm dia pile : 1) upto 12m from G.L.	m	2600.00
	1	Above 12m but upto 15m depth add 10%	m	2860.00
	2	Above 15m but upto 18 m depth add 10%	m	3146.00
18020		Providing and laying reinforced cement concrete of grade M 30 (mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the approved workability and compaction as per the discretion of the Engineer-in-charge including all operations for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement.		
	a)	500mm dia pile : 1) upto 12m from G.L.	m	1903.00
	1	Above 12m but upto 15m depth add 10%	m	2093.00
	2	Above 15m but upto 18 m depth add 10%	m	2302.00
	b)	400mm dia pile : 1) upto 12m from G.L.	m	1294.00

	1	Above 12m but upto 15m depth add 10%	m	1423.00
	2	Above 15m but upto 18 m depth add 10%	m	1566.00
	c)	300mm dia pile : 1) upto 12m from G.L.	m	799.00
	1	Above 12m but upto 15m depth add 10%	m	879.00
	2	Above 15m but upto 18 m depth add 10%	m	967.00
	d)	600mm dia pile : 1) upto 12m depth from G.L.	m	2627.00
	1	Above 12m but upto 15m.	m	2889.00
	2	Above 15m and upto 18 m.	m	3178.00
18021		Providing and laying reinforced cement concrete of grade M 35 (mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the required workability and compaction as per the direction of the Engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement.		
	a)	500mm dia pile : 1) upto 12m from G.L.	m	1917.00
	1	Above 12m but upto 15m depth add 10%	m	2109.00
	2	Above 15m but upto 18 m depth add 10%	m	2320.00
	b)	400mm dia pile : 1) upto 12m from G.L.	m	1303.00
	1	Above 12m but upto 15m depth add 10%	m	1434.00
	2	Above 15m but upto 18 m depth add 10%	m	1577.00
	c)	300mm dia pile : 1) upto 12m from G.L.	m	805.00
	1	Above 12m but upto 15m depth add 10%	m	885.00
	2	Above 15m but upto 18 m depth add 10%	m	974.00
	d)	600mm dia pile : 1) upto 12m from G.L.	m	2648.00
	1	Above 12m but upto 15m depth add 10%	m	2912.00
	2	Above 15m but upto 18 m depth add 10%	m	3204.00
18022		Providing and laying reinforced cement concrete of grade M 40 (mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the approved workability and compaction as per the discretion of the engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement.		
	a)	500mm dia pile : 1) upto 12m from G.L.	m	1931.00
	1	Above 12m but upto 15m depth add 10%	m	2124.00

	2	Above 15m but upto 18 m depth add 10%	m	2336.00
	b)	400mm dia pile : 1) upto 12m from G.L.	m	1312.00
	1	Above 12m but upto 15m depth add 10%	m	1443.00
	2	Above 15m but upto 18 m depth add 10%	m	1587.00
	c)	300mm dia pile : 1) upto 12m from G.L.	m	810.00
	1	Above 12m but upto 15m depth add 10%	m	890.00
	2	Above 15m but upto 18 m. depth add 10%	m	980.00
	d)	600mm dia pile : 1) upto 12m from G.L.	m	2667.00
	1	Above 12m but upto 15m depth add 10%	m	2933.00
	2	Above 15m but upto 18 m depth add 10%	m	3227.00
18023		Providing and fixing G.I. chain link mesh 6.35cm x 6.35 cm x 10 gauge (2.5" x 2.5" x 10 gauge) fixed with angle iron posts and struts by G.I. or M.S. staples at 20cms apart with welding with the iron posts (placed at 3 meters centre to centre) including providing barbed wire stiffeners (shall weigh 9.33 kg. per 100 meters minimum) at top and bottom with barbed wire stiffeners by binding wires at 50cms centre to centre complete as per the direction of the Engineer – in – charge (angle iron posts struts, earthwork and concrete for fencing posts and struts to be paid separately)	m	331.00
18024		1.2 m. height fencing with 1.20mt. R.C.C. posts of standard 30 design placed at 3 m. apart embedded in cement concrete blocks, corner, end & every 10th post to be strutted with 9 horizontal lines & two diagonals of barbed wire 9.33 kg/100 m. minimum between two posts, fitted and fixed with G.I. staples on wooden plug tied to 6mm bar nib with binding wire (cost of posts, struts, earthwork and concrete to be paid separately)		
	a)	G.I. barbed wire	m	99.00
	b)	M.S. barbed wire	m	115.00
18025		Supplying 30 cms minimum girth jamba wood ballies at site to required length	m	297.00
18026		1.2 mts. high fencing with 1.20 m. jamba ballie posts 30cm girth (min) placed at 2.5 mts. apart embedded in cement concrete blocks, corner, end and every 12 th post to be strutted provided with 6 horizontal lines and two diagonal of barbed wire 9.38 kg/ 100 mts. minimum between two posts, fitted and fixed with G.I. staples including coal tarring of ballies complete (cost of post, struts, earth		

		work and concrete to be paid for separately)		
	a)	G.I. barbed wire	m	74.00
	b)	M.S. barbed wire	m	85.00
18027		1.8 mts. high fencing with 2.50 mts. jamba ballie posts 30 cms girth (min) placed at 2.5 mts. apart embedded in cement concrete blocks, end and every 12 th post to be strutted provided with 9 horizontal lines and two diagonal of barbed wire 9.38 kg/ 100 mts. minimum between two posts, fitted and fixed with G.I. staples including coal tarring of ballies complete (cost of post, struts, earth work and concrete to be paid for separately)		
	a)	G.I. barbed wire	m	111.00
	b)	M.S. barbed wire	m	128.00
18028		2.4 mts. high fencing with 3.30 mts. jamba ballie posts 30cms girth (min) placed at 2.5 mts. apart embedded in cement concrete blocks, corner, end and every 12 th post to be strutted provided with 12 horizontal lines and two diagonal of barbed wire 9.38 kg/ 100mts. minimum between two posts, fitted and fixed with G.I. staples including coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately)		
	a)	G.I. barbed wire	m	140.00
	b)	M.S. barbed wire	m	161.00
18029		Providing weep holes of clear size 15 cms high and 8 cms wide in concrete walls as per drawing and direction of engineer in charge with 30 cms thick jungle wood planks to form a box of clear dimensions of the weep hole and keeping the same in position with a slope of about 1 vertical to 20 horizontal towards drainage face while laying the concrete complete.	sq.m	204.00
18030		Treatment of timber piles in a hot mixture of tar and creosote oil in the proportion of 20 litres of coal tar to 25 litres of creosote oil for a period of 4 minutes dipping including the cost of all materials fuel and labour complete.	sq.m	20.00

18031	Providing and fixing R.C.C. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate granitic or basaltic stone aggregate 12.5 mm nominal size) benches including finishing and plastering the exposed surface with cement mortar 1: 3 (1 cement : 3 fine sand) thickness not exceeding 6mm on exposed surface to give smooth and even surface except on the seat & the back of the bench which shall be of marble mosaic chips finished, rubbed and polished to granolithic finish top layer 6mm thick with white black coloured marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3: 1 (3 white cement : 1marble powder) by weight in proportion of 4 cement marble powder mix : 7 marble chips by volume with under layer 12mm thick cement plaster 1: 3 (1 cement: 3 coarse sand) incl. finishing the rear and bottom sides with waterproofing cement plant of approved brand and required shade (3 or more coats) to give an even shade complete	each	2835.00
18032	Plastering with cement mortar 1:4 (1 cement : 3 fine sand) 20mm thick with a floating coat of neat cement on walls for making black board including painting with black Japan paint (one or more coats)	sq.m	243.00
18033	Providing at site 1.8m long RCC standard posts with wooden plugs or 6mm bar nibs.	each	397.00
18034	Supplying at site 2.00 m long RCC standard struts	each	307.00
18035	Providing and fixing prefabricated compound gate of G.I. pipes 40 – 50 mm dia (medium) with 12mm M.S. square bars of G.I. pipes grill work as per drawing including providing & fixing locking arrangements, pintals, hold fast embedded in cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 granitic or basaltic aggregate 20mm nominal size) including applying priming coat with ready mixed red lead paint and painting 2 or more coats with superior ready mixed paint of approved brand and manufacture in all shades as per direction complete.	sq.m	3339.00

18036	<p>Solid PVC door frame in plain colour : Providing and fixing factory made polyvinyl chloride (PVC) Door Frame of make Rajshri Plastiwood or equivalent in plain colour manufactured of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 5mm PVC sheet, meter cut at two corners and joined with 2nos. of 150mm long brackets of 15mm x 15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19mm x19mm M.S. Square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4 nos. of screws to be provided for each vertical member & minimum 2 nos. for horizontal member etc. complete as per manufacturer's specification and direction of Engineer-in-Charge.</p>	meter	332.00
18037	<p>Solid PVC door frame in prelaminated colour : Providing and fixing factory made polyvinyl chloride (PVC) Door Frame of make Rajshri Plastiwood or equivalent in Prelaminated colour of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 5mm PVC sheet, miter cut at two corners and joined with 2nos. of 150mm long brackets of 15mmx15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19mmx19mm M.S. Square tube of 19 gauges, EPDM rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufacturers specification and direction of Engineer-in-Charge.</p>	m	354.00

18038	<p>Providing and fixing factory made polyvinyl chloride (PVC) Door Frame of make Rajshri Plastiwood or equivalent in Prelaminated colour manufactured of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 5mm PVC sheet, miter cut at two corners and joined with 2nos. of 150mm long brackets of 15mmx15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19mmx19mm M.S. Square tube of 19 gauges, EPDM rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufacturers specification and direction of Engineer-in-Charge.</p>	sq.m	2229.00
18039	<p>Providing and fixing 30mm thick FACTORY MADE BOTH SIDE PRELAM SOLID PANEL PVC DOOR SHUTTER of make Rajshri Plastiwood or equivalent consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, 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 " Prelam 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 stiles; and 5mm thick, 95mm wide Rajshri Prelam PVC sheet or equivalent 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 Rajshri Prelam PVC sheet or equivalent out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rail shall be provided either side of the panel. 10mm (5mm x 2) thick, 20mm wide cross PVC sheet shall be provided as gap insert for top rail & bottom rail. Paneling of 5mm thick both side Prelam PVC sheet to be fitted in the M.S. frame welded / sealed to the stiles & rails with 7mm (5mm+2mm) thick</p>	sq.m	2492.00

		x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive etc. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent cement adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.		
18040		Solid core PVC moulded door in plain colour Providing and fixing 35mm thick factory made Moulded door shutter of make Rajshri Plastiwood or equivalent consisting of solid core single leaf Flush Door of 30mm thickness, lipped with 15mm (5mm x 3) thick x 30mm width on one stiles and top rails & 10mm (5mm x 2) thick x 30mm width on the other stiles & bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded PVC Sheet with 2, 4, 6 raised panel design in different plain colours on one side after routing the Moulded design on flush door & 2mm plain PVC sheet on other side using rubber adhesive on flush door & solvent cement adhesive on the PVC lipping etc. complete as per direction of Engineer-in-charge, manufacturer's specification and drawing.	sq.m	3013.00
18041		Solid core PVC moulded door in prelaminated colour : Providing and fixing 35mm thick factory made Moulded door shutter of make Rajshri Plastiwood or equivalent consisting of solid core single leaf Flush Door of 30mm thickness, lipped with 15mm (5mm x 3) thick x 30mm width on one stiles and top rails & 10mm (5mm x 2) thick x 30mm width on the other stiles & bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded PVC Sheet with 2, 4, 6 raised panel design in different Prelam colours on one side after routing the Moulded design on flush door & 2mm plain and /or prelam PVC sheet on other side using rubber adhesive on flush door & solvent cement adhesive on the PVC lipping etc. complete as per direction of Engineer-in-charge, manufacturer's specification and drawing.	sq.m	3170.00

18042	<p>PVC false ceiling grid type : Providing and fixing PVC False Ceiling of make Rajshri Plastiwood or equivalent consisting of 600mm x 600mm, 3mm thick Plain PVC sheet used as panel insert in a frame work made using anodized aluminum Tee section of sizes 1” x1” (25x25mm, 19 gauge or 1mm thick) in square pattern of grid sizes of 2’x2’(600x600mm). The aluminum framework is Supported from the ceiling with the help of G.I. hook and G.I. wire / 6mm M.S. rods of required sizes to maintain proper level etc. The aluminum framework is supported on side wall with the use of aluminium1”x1” (25x25mm) angles. Complete as per direction of Engineer-In-charge, manufacturer’s specification & drawing.</p>	sq.m	1040.00
18043	<p>PVC wall paneling: Providing and fixing PVC sheet Wall Paneling of make Rajshri Plastiwood or equivalent of thickness 5mm consisting of panels having size 1220mm x 2440 mm stuck on inner frame work of 50mm wide strips of 5mm thick PVC sheet. The strips should have in their center a groove of 6mmwidth and 1mm depth for sinking the head of the screw used to fix the strips to the wall vertically at an equal interval of 10”between two PVC strips. The PVC strips shall be fixed to the wall using 65mm long M.S. screws through the groove in the strip by using PVC fasteners. The distance between two screws shall not be more than 200mm. A groove of 2mm may be left at the joint of two panels for aesthetic looks. The exact size of the panel and correspondingly of the grid may vary depending on the size of the wall. Optionally a strips of 5mm thick PVC sheet of width 75mm feathered at the edges shall be stuck at the places where two panels are joined, using solvent cement.</p>	sq.m	1252.00

18044		PVC insulated wall paneling: Providing & fixing Insulated PVC wall Paneling of make Rajshri Plastiwood or equivalent shall consist of PVC Insulated panels having wall thickness 2mm PVC sheet and the desired thickness of EPS (dependent on the insulation required) screwed into the wall using screws of adequate length. The screw shall be placed at a distance of 150 mm and shall be 25 mm from the edge of insulated panel on all from side of the panel. The PVC strips are 4 mm thick PVC sheet of width 75 mm feathered at the edges shall be stuck using solvent cement adhesive at the places where two panels are joined,so as to cover the screw of both the panels, using solvent cement 90 degree sheet heat bend strips of 4 mm thick PVC sheet of width 75 mm X 75 mm feathered at the edges shall be stuck at wall joints/ Pillars etc. complete as per the direction of engineer in charge, manufactures specification & drawing.	sq.m	2200.00
18045		SOLID PVC WINDOW FRAME AND SHUTTER: 30mm thick factory made White Colour Rigid Glazed Solid PVC Window Shutter of make Rajshri Plastiwood or equivalent consisting of frame made out of M.S. tube of 19 gauge of size 19mm x 19mm for style, top, bottom rail. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with Rajshri 4 mm (3.75mm PVC foam sheet laminated with 0.25mm rigid PVC sheet) thick white colour rigid heat Moulded Rajshri PVC 'C' Channel of size 65mm x 30mm x 50mm of the window shutter forming stiles & rails. Glass pane/ Wire mesh will be fitted externally in the clear space available between stiles and rails and fixed using PVC 'L' shape beading of size 33mm x 24mm complete as per direction of Engineer-in-charge and manufacturer's specification and providing and fixing white colour double shutter solid PVC window frame of size 32mm x 125mm consisting of solid PVC sections made from 4mm thick (3.75mm PVC foam sheet laminated with 0.25mm rigid PVC sheet) suitably joined using PVC solvent cement so as to cover M.S. Window grill prefixed in wall. At the time of fixing M.S. window grill in wall using hold fasts 4mm	sq.m	3774.00

		base PVC strip of 117mm width to be inserted between M.S. window grill and wall on which the solid PVC sections should be fixed suitably mitre cut on corners. Complete as per direction of Engineer -in-charge and manufacturer's specification.		
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