

DURG DISTRICT URBAN PUBLIC SERVICE SOCIETY

Maintenance of Existing Govt. ITI Building Bhilai

NIT

S.No.	PARTICULAR	QTY.	UNIT
1	Excavation for roadway in soil using including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevant clauses of section 300.	83.93	Cum
2	Granular Sub-base as per Table: 400-1 Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401		
B	By Mix in place method		
3	Disintegrated rock i.e moorum having CBR value not less than 20 and P.I. and L.L. not more than 6 and 20 respectively. (For Village roads only)	30.34	Cum
4	Wet Mix Macadam (Providing, aying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in	20.22	Cum
5	Dry Lean Cement Concrete Sub-base as per IRC:SP-49 (Construction of dry lean cement concrete Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller.	10.11	Cum
6	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing) With cement Concrete grade M-40 and minimum cement content	25.28	Cum
7	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.		
	P.C.C. M-25 (ROOM NO. 6)		
	P.C.C. M-25 (ROOM NO. 7)	17.42	Cum
8	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.	1.89	Cum
	In cement mortar		
9	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	0.32	Cum
10	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.	8.23	Sqm

11	Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete		
	Upto 2 mm thickness to make surface even and smooth in line and level. (Inner Side)	81.165	Sqm
	Upto 2 mm thickness to make surface even and smooth in line and level. (Outer Side)	70.87	Sqm
12	Upto 2 mm thickness to make surface even and smooth in line and level. (Inner Side)	69.88	Sqm
	Upto 2 mm thickness to make surface even and smooth in line and level. (Outer Side)	48.19	Sqm
13	Upto 2 mm thickness to make surface even and smooth in line and level. (Inner Side)	59.51	Sqm
	Upto 2 mm thickness to make surface even and smooth in line and level. (Outer Side)	43.28	Sqm
14	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.		
	On new work (two or more coats) (Outer Side)	43.28	Sqm
	On new work (two or more coats) (Inner Side)	99.00	Sqm
15	On new work (two or more coats) (Outer Side)	79.11	Sqm
	On new work (two or more coats) (Inner Side)	87.30	Sqm
16	On new work (two or more coats) (Outer Side)	29.60	Sqm
	On new work (two or more coats) (Inner Side)	69.88	Sqm
17	25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with floating coat of neat cement.	303.29	Sqm
18	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/sqm for receiving cement concrete floor including roughening cleaning etc complete.	303.29	Sqm
19	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete		
	Size 1000x1000mm	70.5	Sqm
20	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer	8.235	Sqm
21	Excavation for all types and sizes of foundation, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5m lift and lead upto 50m (at least 5m away from the excavated area) including dressing and levellings of pits.		
	In all types of soil		
	Footing		
	F1	6.75	Sqm
22	Pumping out water caused by springtidal or river seepage. Broken water main or drains and like	4.05	cum
23	Providing and filling in plinth with sand/cursher dust and hard moorum under floor in layers not exceeding 20ccm in depth consolidating each deposited layer by ramming and watering including dressing etc complete.	6.75	cum
	in column pit		
	F2		

24	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.		
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).		
	Footing	0.675	cum
	F2		
25	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.		
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
	Footing	1.728	cum
	F2		
26	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Foundations, footings, base of columns and plinth beam in any shape and size.	12.756	cum
27	Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete		
	Upto 2 mm thickness to make surface even and smooth in line and level. (Column for Gate)	4.45	Sqm
28	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.		
	On new work (two or more coats) (Column for Gate)	4.45	Sqm
29	Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.		
	MS tubular frames	278.00	kg