


## NAGAR NIGAM BHILAI

## NIT

वार्ड क्र.-15 अम्बेडकर नगर शांतिनगर सड़क 06/ए के सामने यात्री प्रतिक्षालय निर्माण कार्य।

AS PER PWD BUILDING S.O.R 01.01.2015

S.N.	PARTICULAR	QTY	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains or for .....upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.In all types of soil		
		59.15	cum
2	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
		10.20	cum
3	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).		
		22.73	cum
4	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete Thermo-Mechanically treated bars FE 415		
		2272.82	kg
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
5.a	Foundations, footings, base of columns and plinth beam in any shape and size.	42.21	sqm
5.b	Columns, Pillars, Piers and likes- rectangular or square in shape	11.36	sqm
5.c	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	110.24	sqm
6	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)		
		14.61	cum
7	super structure Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)		
		15.40	cum
8	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.		
		31.24	cum
9	Providing and laying damp proof course (upto 50mm-thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork		
		0.28	sqm
10	Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer..		
	as per 30kg/sqm	126.00	kg
11	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat of red oxide zinc chromate primer..		
		60.00	kg
12	6 mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)		
		68.52	sqm
13	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)		
		85.20	sqm

S.N.	PARTICULAR	QTY	UNIT
14	15mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)		
		114.00	sqm
15	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS: 15622 of approved make, 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.		
		36.28	sqm
16	Providing and applying 2mm thick ready mix exterior grade putty (manufactured with cow dung processing) on walls to make the surface smooth and even. 6mm+12mm plaster		
		153.72	sqm
17	Distemping with washable distemper manufactured with the cow dung processing to give an even shade. On new work (one or more coats)		
		153.72	sqm
18	Painting exterior surface with SMOOTH exterior emulsion paint of manufactured with cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (One or more coats applied @ 1.43 ltr/ 10 sqm)		
		114.90	sqm
19	Painting on new work (two or more coats) to give an even shade with.Premium synthetic enamel paint (2nd top most approved branded quality) to give an even shade .		
		8.40	sqm
20	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 sqm including pointing in white cement mixed with matching pigment complete. Size upto 200x300mm		
		28.40	sqm
21	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side having 12 mm air gap including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. complete.		
		4.89	sqm
22	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges. 35 mm. thick (single leaf)		
		4.20	sqm
23	Providing and fixing at all height false ceiling consisting of frame work "W" / "U" / "L" sections made of G.I. sheet with zinc coating of grade 120 consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm ..... all complete as per drawing and specification and direction of the Engineer in Charge but excluding the cost of painting.		
		40.00	sqm
24	Providing and fixing steel grid for false ceiling made from M.S. rectangular hollow tubes of 50x25x1.25mm (wall thickness) as main runners to be jointed to cross runners of same size by electric arc welding with spacing not exceeding ... and bolted to the grid with the help of suitable M.S. holding cleats. complete.		
		20.00	kg
25	Providing and laying Manglore pattern tiles 20 mm thick (without hip or ridge tiles) on steel/ wooden frame (frame work to be paid separately)		
		22.00	sqm
			
ASSTT.ENGINEER		SUBENGINEER	
Nagar Palik Nigam, Bhilai		Nagar Palik Nigam, Bhilai	



**NAGAR PALIK NIGAM BHILAI**

**NIT**

वार्ड क्र.-15 अम्बेडकर नगर शांतिनगर सड़क 06/ए के सामने सीसी रोड सहित नाली निर्माण कार्य।

(As per P.W.D BUILDING/ROAD S.O.R. W.E.F. 01.01.2015)

S.N.	PARTICULAR	QTY	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains o.....m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil	7.29	cum
2	Providing and laying nominal mix cement concrete with crushed ..... form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	0.81	cum
3	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using .. reinforcement and form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	2.84	cum
4	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:Thermo-Mechanically treated bars FE 415	170.10	Kg
5	Providing and fixing formwork including entering ,..... Foundations, footings, base of columns and plinth beam in any shape and size.	10.80	sqm
6	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	1.08	cum
7	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means 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.	100.80	cum
8	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	33.60	cum
9	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 By Mix in place method 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)	33.60	cum
10	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.( For Village roads P.C.C. M-10	33.60	cum
	P.C.C. M-25	42.00	cum
11	Carriage by mechanical transport upto 5 km lead: Earth	86.47	cum
ASSTT.ENGINEER Nagar Palik Nigam, Bhilai		SUB ENGINEER Nagar Palik Nigam, Bhilai	