

# NAGAR NIGAM BHILAI

## DETAILED ESTIMATE

वार्ड क्र.-24 के 32 एकड़ नाग मंदिर के पास सर्व सुविधा युक्त सार्वजनिक सामुदायिक भवन निर्माण कार्य।

(AS PER BUILDING SOR 01.01.2015 & ELECTRICAL S.O.R. 01.06.2020)

S.N.	PARTICULAR	QTY	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.		
	In all types of soil		
		37.07	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).		
		20.05	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).		
		38.55	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		
		3276.95	KG
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
A	Foundations, footings, base of columns and plinth beam in any shape and size.		
	FOR FOUNDATION	37.32	CUM
B	Columns, Pillars, Piers and likes- rectangular or square in shape		
		97.00	SQM
C	Beams, lintels, cantilevers & walls		
		59.34	SQM
D	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)		
		116.65	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)		
		9.33	CUM
7	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.		
		0.58	CUM
8	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) Extra for brick work in uperstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:		
		41.54	CUM
9	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.		
10	6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	63.39	CUM
11	12mm thick cement plaster of mix:	153.56	SQM

	In Cement Mortar 1:6 (1 cement : 6 fine sand) OUTSIDE	307.27	SQM
12	15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand) INSIDE	234.96	SQM
13	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.. 20 KG/SQM	236.40	KG
14	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.. 25KG/SQM	638.25	KG
15	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size 300x300mm	92.00	SQM
16	Providing and laying ceramic glazed floor tiles 300x300mm conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. In colours such as White, Ivory, Grey, Fume Red Brown,	14.00	SQM
17	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	52.20	SQM
18	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	4.95	CUM
19	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	350.72	SQM
20	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)	287.96	SQM
21	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.	62.88	SQM

ASSTT.ENGINEER

Nagar Palik Nigam, Bhilai

SUB ENGINEER

Nagar Palik Nigam, Bhilai