

NAGAR NIGAM BHILAI
NIT

समग्र शिक्षा मद अंतर्गत शा.पू.मा. शाला कुरुद मं अतिरिक्त कक्षा निर्माण कार्य।
AS PER PWD BUILDING S.O.R 01.01.2015

PARTICULAR	QTY	UNIT
Excavation for all types and sizes of foundations, trenches and drains or forupto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.In all types of soil	26.64	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).	8.74	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).	13.11	cum
4 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).+ Extra for laying PCC/RCC of any grade in superstructure above plinthlevel for every floor or part thereof in addition to rate for foundation and plinth:	22.82	cum
5 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: Cold twisted bar / Hot rolled deformed steel	1311.20	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.	21.12	sqm
5.b Columns, Pillars, Piers and likes- rectangular or square in shape	48.40	sqm
5.c Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	117.50	sqm
6 Providing and laying damp proof course (upto 50mm thick) with plaincement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushedstone aggregate 20mm nominal size) including form work.	0.51	cum
7 Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	5.76	cum
8 super structure Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in:Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	24.51	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.	28.80	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	0.32	sqm
10 Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, ... 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..	766.80	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..		



		480.00	kg
12	6 mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)		
		45.84	sqm
13	12mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)		
		103.68	sqm
14	15mm thick cement plaster of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)		
		116.28	sqm
15	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.		
		5.67	sqm
16	Providing and replacing broken floor tile with 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 removing the broken tile and mortar, pointing the joints with white cement mixed with matching pigment etc., complete.		
		36.00	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.		
		45.20	sqm
18	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.		
		2.00	nos
19	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.		
		265.80	sqm
	Applying one coat of cement primer on wall surface (applied @ 0.80litrs/10 sqm) complete.		
		265.80	sqm
18	Painting new exterior surface (two or more coats) with PREMIUM TEXTURED paint 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)		
	qty of no 14	265.80	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 .		
		42.72	sqm

ASST. ENGINEER

Nagar Palik Nigam, Bhilai

SUB-ENGINEER

Nagar Palik Nigam, Bhilai