

# NAGAR PALIK NIGAM BHILAI

## NIT

वार्ड क्र.-20 शासकीय हायर सेकेण्डरी विद्यालय वैशाली नगर भिलाई में अतिरिक्त कक्ष निर्माण कार्य।

AS PER PWD BUILDING S.O.R 01.01.2015 & Elec. 01.06.2020

SN	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		
		27.62	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. 1:3:6 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
		3.86	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).		
		10.37	cum
	Supper structure		
		14.56	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: Cold twisted bar / Hot rolled deformed steel		
		2492.96	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.		
		32.34	sqm
5.b	Columns, Pillars, Piers and likes- rectangular or square in shape		
		42.24	sqm
5.c	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)		
		87.30	sqm
5.d	Beams, lintels, cantilevers & walls		
		22.38	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)		
		4.75	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)		
		22.30	cum
8	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.		
		16.57	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.		
		29.10	cum
10	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		
		0.40	sqm

11	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)		
		5.04	sqm
12	Providing and fixing antique/ SS finished brass sliding door bolt with necessary bolts, nuts and antique/ SS polished MS screw complete: 300x16mm		
		8.00	each
13	Providing and fixing antique/ SS finished brass door latch with antique/ SS polished MS screw complete: 300 x16x5 mm		
		2.00	each
14	Providing and fixing antique/ SS finished brass tower bolts (Barrel type) with antique/ SS polished MS screw complete: 250 x10 mm		
		4.00	each
15	Providing and fixing antique/ SS finished brass handles with antique/ SS polished MS screw complete: 125 mm		
		4.00	each
16	Providing & fixing 150mm antique/ SS finished brass floor door stopper with rubber cushion and antique/ SS polished MS screw complete to suit the shutter thickness.		
		8.00	each
17	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. frame of door & window 40x40x6		
		200.00	kg
18	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..		
		224.55	kg
19	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and ..... shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately: For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).		
		60.84	kg
20	Extra for polyester powder coated (minimum 50 micron) aluminium sections instead of anodized.		
		60.84	kg
21	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness		
		10.17	sqm
22	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. ramp, railing / sign board of school		
		200.00	kg
23	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.		
		5.04	sqm
24	6 mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)		
		74.88	sqm
25	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)		
		148.40	sqm



26	15mm thick cement plaster of mix: Cement Mortar 1:6 (1 cement : 6 fine sand)		
		65.52	sqm
27	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.		
		58.50	sqm
28	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 above 200x300mm		
		41.40	sqm
29	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.		
	6mm+12mm+15 plaster	288.80	sqm
30	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats)		
	6mm+12mm plaster	223.28	sqm
31	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 )		
	15mm plaster	65.52	sqm
32	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 .		
		40.50	sqm



ASSTT.ENGINEER

Nagar Palik Nigam, Bhilai



SUB ENGINEER

Nagar Palik Nigam, Bhilai