

NAGAR PALIK NIGAM BHILAI

NIT

ाष्ट्रा । वार्ड क्र.—22 (नवीन संशोधन कार्य) कुरूद भिलाई में पूर्व निर्मित सार्वजनिक भवन में अतिरिक्त कक्ष निर्माण सतनामी पारा। AS PER PWD BUILDING S.O.R 01.01.2015

Executation for all types and sizes of foundations, trenches and drains or forupto 50m (at least 5m away from the exeavated area), including dressing and leveling of pits. In all types of soil		AS PER PWD BUILDING S.O.R 01.01.2015	0.007.1	TINITE
Sin away from the excavated area), including dressing and leveling of pits. In all types of soil 24.78 cum 24.78 cum 25.75 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. 26.76 1.48 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size). 27.77 cum 28.80 cum 29.77 cum 20.77 cum 20.88 cum 20.88 cum 20.89 cum 20.80 sqm 20.	SN		QTY	UNIT
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). 8.80 cum Providing and laying nominal mix reinforcement 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). 20.77 cum 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 1868.90 kg Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5.2a Foundations, footings, base of columns and plinth beam in any shape and size. 30.80 sqm 71.00 sqm 30.80 sqm 72.05 Columns, Pillars, Piers and likes- rectangular or square in shape 30.80 sqm 71.00 sqm 30.80 sqm 40.92 cum 71.00 sqm 72.00 providing and filling in plinth with sand/ Crusher dust and hard moorum .depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Providing and filling in plinth with sand/ Crusher dust and hard moorum .depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Providing and filling in plinth with sand/ Crusher dust and hard moorum .depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Providing and filling in plinth with sand/ Crusher dust and hard moorum .depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Providing and filling so plinth with sand/ Cr	1	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		
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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. 1:19:3 (1 cement: 192 coarse sand: 3 graded stone aggregate 20mm nominal size). 20.77 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 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing steel down with modular or square in shape 5 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (east in situ) 5 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (east in situ) 5 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (east in situ) 5 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (east in situ) 6 Beams, lintels, cantilevers & walls 7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (east in situ) 7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (east in situ) 8 Providi	2	mixer in foundation, plinth and at ground level excluding cost of form work.	24.70	
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.1:19:3 (1 cement : 19/2 coarse sand : 3 graded stone aggregate 20mm nominal size). 20.77 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 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 5 Providing and fixing stone of columns and plinth beam in any shape and size. 5 Providing and floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) 5 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) 6 Beams, lintels, cantilevers & walls 7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) 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) 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) 8 Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 9 Providing and fixing damp	-	(* cement : 4 coarse saitu : 8 graded stone aggregate 40mm nominai size).	0.90	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 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. 5.b Columns, Pillars, Piers and likes- rectangular or square in shape 7 1.00 sqm 7 1.00 sqm 8 Beams, lintels, cantilevers & walls 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) 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) 8 Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 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 9 Providing and fixing steel door with M.S. sheet Imm thick, frame of angle iron, diagonal braces of primer. 9 Providing and fixing steel door with M.S. sheet Imm thick, frame of angle iron, diagonal braces of primer.	3	using concrete mixer in all works upto floor five level excluding cost of reinforcement and form	3.30	cum
bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo Mechanically treated bars FE 415 1868.90 kg Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 30.80 sqm Columns, Pillars, Piers and likes- rectangular or square in shape 71.00 sqm Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) 130.58 sqm Beams, lintels, cantilevers & walls 39.00 sqm designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand) 39.00 sqm 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) 3Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 31.80 cum 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 Providing and fixing steel door with M.S. sheet Imm thick, frame of angle iron, diagonal braces of primer. 20.20 Providing and fixing steel door with M.S. sheet Imm thick, frame of angle iron, diagonal braces of primer.	11		20.77	cum
Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 30.80 sqm 4.92 cum 4.92 cum 30.80 sqm 39.00 sqm 39.00 sqm 39.00 sqm 4.92 cum 39.00 sqm 39.00 sqm 39.00 sqm 4.92 cum 30.80 sqm 39.00 sqm 39.00 sqm 4.92 cum 30.80 sqm 4.92 cum 4.9	4	bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo		
tec. complete and including its removal at all levels, for: 30.80 sqm	_		1868.90	kg
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Columns, Pillars, Piers and likes- rectangular or square in shape 71.00 sqm Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) 130.58 sqm Beams, lintels, cantilevers & walls 39.00 sqm 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) 4.92 cum 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) Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 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 Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer. 10 Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer.	5.a	Foundations, footings, base of columns and plinth beam in any shape and size.		
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Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) 130.58 sqm Beams, lintels, cantilevers & walls 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) 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) Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 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 Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer. O Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer.	5.b	Columns, Pillars, Piers and likes- rectangular or square in shape		
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designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand) 4.92 cum 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) 16.22 cum Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 31.80 cum 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 Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer	6	Daid work with 11 G 11 to 12 C	39.00	sqm
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) Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 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 Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer	0 .	designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)		
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Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 31.80 cum cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer	7	2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 Cement: 6 Coarse		
Providing and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete. 31.80 cum cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer	0	Described to the state of the s	16.22	Cum
Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer Output Description: 4 graded crushed stone aggregate 20mm nominal size) including formwork Output Outp	8	rroviding and filling in plinth with sand/ Crusher dust and hard moorumdepth consolidating each deposited layer by ramming and watering, including dressing etc. complete.		Juni
Providing and fixing steel door with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of primer Output Description: 4 graded crushed stone aggregate 20mm nominal size) including formwork Output Outp		D. T. C. Later	31.80	- CDF-
primer	9	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork	1	cum
primer	0	Providing and finite at 11 and 12 and 12	0.32	cam
107.00	- 1	meedsaly fittings complete including applying a priming coat of red oxide size of	of e	sym
			127.20	kg

V	roviding 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		
-	primet	43.20	kg
		unaprominente e extraorde de la constante de l	amananing Paring and series
	6 mm thick cement plaster of mix:		
	In Cement Mortar 1:4 (1 cement : 4 fine sand)	81.08	sqm
		COLUMN TO COLUMN	y a company and the second sec
13			
-	In Cement Mortar 1:6 (1 cement : 6 fine sand)	85.20	sqm
14	15mm thick cement plaster of mix:	STATE OF THE PARTY	NO AND ROOM OF THE PARTY OF THE
	In Cement Mortar 1:6 (1 cement : 6 fine sand)		and the control of th
	II COMMA PROCESS	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 onforming 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.	,	personal consistence of a little of the litt
-		60.40	sqm
17	Distempering with washable distemper manufactured with the cow dung processing to give an even shade. On new work (one or more coats)		,
	Shace. Of the work (one of more code)	166.28	sqm
18	Painting exterior surface with SMOOTH exterior emulsion paint of manufacturerd 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)		
		114.00	sqm
115	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.	21.36	sqm
			<u>undernaminament (incominen</u>

ASSTT.ENGINEER Nagar Palik Nigam, Bhilai SUB ENGINEER
Nagar Palik Nigam, Bhilai