

(4)

NAGAR PALIK NIGAM BHILAI

NIT

वार्ड क्र.-16 में सार्वजनिक भवन निर्माण कार्य व प्रसाधन कक्ष निर्माण कार्य।

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

S.N.	PARTICULAR	QTY	UNIT
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		
		36.78	cum
2	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)		
		6.40	cum
3	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 40 mm thick		
		110.95	sqm
4	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks		
		183.90	sqm
5	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
6	6 mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)	3.52	cum
7	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	110.95	sqm
8	15mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	250.88	sqm
9	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.	218.88	sqm
10	Distempering with acrylic washable distemper to give an even shade: on new work.(two or more coats)	361.83	sqm
11	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)	361.83	sqm
12	Dismantling lime/ cement plaster or skirting at any height raking out joints and cleaning the surface for plaster including disposal of rubbish within 50 metres lead.	218.88	sqm
13	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.	361.83	sqm
		122.20	sqm

14	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 welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.		
15	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.	250.00	kg
16	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 .	11.52	sqm
		46.60	sqm

ASSTT.ENGINEER

Nagar Palik Nigam, Bhilai

SUB ENGINEER

Nagar Palik Nigam, Bhilai

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AS PER PWD BUILDING S.O.R 01.01.2015 & Elec. 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	59.29	CUM
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6	8.41	CUM
3	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	6.30	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.	100 KG/CUM	kg
5	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for Columns, Pillars, Piers and like- rectangular or square in shape	13.44	sqm
6	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	8.28	sqm
7	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	18.20	sqm
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)	0.94	CUM
9	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	5.80	sqm
10	Half brick thick brick masonry with fly- sh lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level:Cement Mortar 1:4 (1 cement : 4 coarse sand)	9.67	sqm
11	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 form work.	0.14	sqm
12	Providing and making 6mm thick cement plaster of mix:In Cement mortar 1:4 (1 cement : 4 fine sand)	14.09	sqm

13	Providing and making 12mm thick cement plaster of mix In Cement Mortar 1:5 (1 cement : 5 fine sand)		
14	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix In Cement Mortar 1:5 (1 cement : 5 fine sand)	49.30	sqm
15	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) andjointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete Size above 200x300mm	47.30	sqm
16	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., completeSize 300x300mm	38.64	sqm
17	Painting exterior surface with PREMIUM 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)	10.00	sqm
18	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.On new work (two or more coats)	41.91	sqm
19	Painting on new work (two or more coats) to give an even shade with:Satin synthetic enamel paint	10.00	cum
20	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 welded to frame with all necessary fitting complete includig applying a priming of red oxide zinc chromate primer.	10.02	sqm
21	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.	150.00	kg
		5.00	CUM

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