

NAGAR PALIK NIGAM BHILAI

DETAILED ESTIMATE NIT

Name of work: - वार्ड 68 सेक्टर 08 में विभिन्न स्थानों में पाईप लाईन विस्तारीकरण कार्य
(As Per NON SOR ITEM)

S.NO	ITEM	QTY	UNIT
(A)	As Per NON SOR ITEM		
1	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete:		
a	50 mm nominal bore	15	Mtr
b	40 mm nominal bore	30	Mtr
c	25 mm nominal bore	150	Mtr
d	20 mm nominal bore	45	Mtr
e	15 mm nominal bore	15	Mtr
2	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):		
a	50 mm nominal bore	4	Each
b	40 mm nominal bore	4	Each
c	25 mm nominal bore	5	Each
3	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete:		
a	50mm nominal bore	4	Each
b	40mm nominal bore	4	Each
c	25mm nominal bore	5	Each
4	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (350 grams)	10	Each
5	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	5000	litre
6	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.	5.76	cum
7	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	0.96	cum
8	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	6.23	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 form work.	0.46	cum
10	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.	14.26	cum

11	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	3.84	cum
12	Providing and making 12mm 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)	17.6	sqm
13	Neat Cement punning.	17.6	sqm



Asstt. Engineer
Municipal Corporation
Bhilai(C.G.)



Sub Engineer
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