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**MUNICIPAL CORPORATION OF BHILAI**  
**NIT**

**वार्ड क्र. 46 के विभिन्न स्थानों में पाईप लाईन विस्तारीकरण कार्य।**

(As Per PWD Building SOR 01.01.2015)

SN	PARTICULERS OF ITEMS	QTY.	UNIT
1	Demolishing cement concrete including disposal of material within 50 metre lead.		
	1:3:6 or richer mix	3.00	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	6.00	Cum
3	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 dia. nominal bore	200.00	Metre
c	32 mm dia. nominal bore	20.00	Metre
d	25 mm dia. nominal bore	50.00	Metre
e	20 mm dia. nominal bore	20.00	Metre
f	15 mm dia. nominal bore	20.00	Metre
4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):		
a	50 mm dia. nominal bore	10	Each
b	25 mm dia. nominal bore	5	Each
5	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	50 mm dia. nominal bore	12	Each
b	32 mm dia. nominal bore	10	Each
c	25 mm dia. nominal bore	5	Each
6	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams)	100	Each
7	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	2000.00	Litre
8	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 soils.	3.60	Cum
9	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).	0.60	Cum
10	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)	4.19	Cum
11	Providing & Laying damp proof course (up to 50mm thick) with plain cement concrete 1:2:4 including formwork.	0.66	Cum
12	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.	8.82	Cum
13	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)	14.25	Sqm
14	Neat Cement punning	14.25	Sqm

  
**Executive Engineer**  
Municipal Corporation  
Bhilai

  
**Assistant Engineer**  
Municipal Corporation  
Bhilai

  
**Sub Engineer**  
Municipal Corporation  
Bhilai