

**MUNICIPAL CORPORATION OF BHILAI  
NIT**

वार्ड क्र. 40 शहीद चुम्मन यादव नगर छावनी अंतर्गत वाछित क्षेत्रों में डी.आई. पाईप लाईन के माध्यम से पेयजल वितरण कार्य।

(CG PHE SOR 01.06.2020)

SN	PARTICULERS OF ITEMS	QTY.	UNIT
1	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift upto 1.5m, disposal earth to be levelled, neatly dressed.	38.40	Cum
2	Earth work in excavation for pipe trench in Laterite soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed.	4.80	Cum
3	Soft rock with or without blasting or bituminous pavement / cement concrete road.	1.80	Cum
4	Pumping out water caused by springs, tides or river seepage, broken water mains or drains.	18.00	Kl
5	Providing, laying and jointing socket & spigot centrifugally cast (Spun) Ductile Iron pressure pipes with inside cement mortar lining (class K-7) Conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joints as per IS:5382/85 including testing of joint (laying Conforming to IS 12288 : 1987)		
	100mm	80.00	Rmt
6	Providing, laying and jointing including testing all specials for diameter 900 mm to 50 mm dia for Bends of all angles, Tees as per requirement for fixing Sluice Valve, Reflux Valve Air Valve etc. of C.I., D.I. and non sizes M.S. fittings as directed by Engineer-in-charge as per relevant IS Codes as applicable complete.	7544.00	Ls
7	Filling available excavated earth in trenches, plinth sides of foundation in layers not exceeding 20cm. in depth including consolidation of each layer by ramming watering, lead up to 50m and lift up to 1.5m in all kinds of soils	44.13	Cum
8	Providing Rubber ISI marked Gasket (push on) joint as per IS:5382/2018 to following DI pipes class K-7 and K-9 including testing of joints and cost of jointing materials (Rubber Gasket and soap solution etc.)		
	100mm	5.00	No.
9	Labour only for cutting following Ductile Iron pipes of any type and class.		
	100mm	5.00	Per Cut
10	Chamfering ductile iron pipes of all types and classes to make suitable for tyton joints.		
	100mm (Up to 150 mm dia.)	5.00	Each End
11	Carriage of Material by Mechanical transport including loading unloading & stacking etc. Earth & Moorum 3km Lead	4.50	Cum
12	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering & shuttering. In Plinth & foundation		
	1:1:2(M-25)	9.60	Cum
13	Construction of Brick masonry valve chamber with 20 cm thick wall in 1:6 C.M. with 12mm thick 1:4 Cement Plaster and base course 10 cm. thick in M-15. Inside Dimensions 110x80x100cm M-20 RCC chamber cover size 130x100cmx120cm including cost of materials, labour etc. complete.	2	No.
14	Providing & fixing of following Cast iron double flanged sluice valves as per I.S.:14846-2000 fitted with cast iron cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete		
	100mm dia	2	No.
15	Labour for laying and fixing of following cast iron double flanged sluice valves (vide item no.1) including jointing and testing but without cost of Jointing materials.		
	100mm dia	2	No.

SN	PARTICULARS OF ITEMS	QTY.	UNIT
16	Providing and Laying including testing Ductile Iron All socket Tees conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000.		
	100mm x 100mm	5	No.
	150mm x 100mm	5	No.
17	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining.		
	100mm	5	No.
	150mm	5	No.
18	Providing and Laying including testing Ductile Iron Double Socket 90° Bends conforming to IS: 9523/2000 having dimension as per table 15 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining.		
	100mm	2	No.
19	Providing and Laying including testing Ductile Iron Double Socket 45° Bends conforming to IS: 9523/2000 having dimension as per table 16 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining.		
	100mm	3	No.
20	Providing and Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining.		
	100mm	4	No.

  
**Executive Engineer**  
Municipal Corporation  
Bhilai

**Assistant Engineer**  
Municipal Corporation  
Bhilai

  
**Sub Engineer**  
Municipal Corporation  
Bhilai