

MUNICIPAL CORPORATION OF BHILAI

(2)

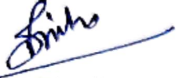
NIT
 जोन क्र. 04 अंतर्गत छावनी चौक में 2.72 फिल्टर प्लांट से बिछाये गये जल वितरण ए.सी. पाईप लाईन रांधारण कार्य।

(As Per PHEd SOR 01.06.2020)

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Earth work in excavation for pipe trench in ordinary soil area including dressing, watering and ramming and disposal of excavated earth lead up to 50 meter and lift up to 1.5m, disposal earth to be levelled, neatly dressed.		
	200mm	73.00	Cum
1 (a)	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 (CG PHE SOR Amendment No. 07/2022-23 Item No.18.15/51).	31.20	Cum
1(b)	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 (CG PHE SOR Amendment No. 07/2022-23 Item No.18.17/51).	23.40	Cum
1 (c)	Hard rock requiring chieseling/blasting prohibited..(CG PHE SOR Amendment No. 07/2022-23 Item No.18.19.3/52)	0.55	Cum
2	Extra for every additional lift of 1.5m or part there of All Kind of soil(over item No. 18.15, and 18.17)(CG PHE SOR Amendment No. 07/2022-23 Item No.18.19.5/52)	0.78	Cum
3	Dismantling of Cement Concrete Pavment by mechanical means using pneumatic tools, cutterbreaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately (CG PHE SOR Amendment No. 07/2022-23 Item No.18.29.3/52)	7.80	Cum
4	Supply & Filling moorum/river sand for pipe bedding or over the pipe (including supply)(CG PHE SOR Amendment No. 07/2022-23 Item No.18.29.3/52)	0.55	Cum
5	Pumping out water caused by springs, tides or river seepage, broken water mains or drains or well or the like (CG PHE SOR Amendment No. 07/2022-23 Item No.18.21/52)	7.80	Cum
6	Providing, laying and jointing including testing following socket & spigot centrifugally cast (Spun) Ductile Iron pressure pipes with inside cement mortar lining (class K-9) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joints as per IS:5382/2018. (CG PHE SOR-Amendment No. 07/2022-23, Item No.4.3/3)		
	200mm	65.00	Rmt.
7	Providing and Laying including testing ductile iron PN 16 type flanged sockets conforming to IS:9523/2000 having dimension as per table 23 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. (CG PHE SOR-Amendment No. 07/2022-23, Item No.4.7/4)		
	200mm	2	No.

S.N.	PARTICULARS OF ITEMS	Quantity	
8	Providing and Laying including testing ductile PN16 type iron flanged spigot conforming to IS:9523/2000 having dimension as per table 24 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..(CG PHE SOR-Amendment No. 07/2022-23 ,Item No.4.9/5)		
	200mm	1	No.
9	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.(CG PHE SOR-Amendment No. 07/2022-23 ,Item No.4.11/6)		
	200mm	4	No.
10	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 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining..(CG PHE SOR-Amendment No. 07/2022-23 ,Item No.4.13/7)		
	200mm	1	No.
11	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.(CG PHE SOR-Amendment No. 07/2022-23 ,Item No.4.17/8)		
	200mm	2	No.
12	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.(CG PHE SOR_2020 4.21/63)		
	200x200x200mm	1	No.
13	Filling in trenches, plinth sides of foundation in layers not exceeding 20cm. In depth including consolidation of each layer by ramming watering, lead upto 50m and lift up to 1.5m in all kinds of soils(CG PHE SOR Amendment No. 07/2022-23 Item No.18.22/52)	74.94	Cum
14	Providing & fixing of following Ductile iron double flanged sluice valves as per I.S.:14846-2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete.(CG PHE SOR-Amendment No. 07/2022-23 ,Item No.4.41/18)	1	No.
15	Labour for laying and fixing of following ductile iron double flanged sluice valves(vide item no.1) including jointing and testing but without cost of Jointing materials(CG PHE SOR-Amendment No. 07/2022-23 ,Item No.4.42/19)		
	200mm	1	No.
16	Labour only for cutting following Ductile Iron pipes of any type and class..(CG PHE SOR Amendment No. 07/2022-23 Item No.19.4/60)		
	200mm	2	No.
17	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering & shuttering.		
a	PCC works in Grade M-20	1.05	Cum

PARTICULERS OF ITEMS		Quantity	UOM
18	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.) (PHED SOR Amendment No. 07/2022-23, Item No. 4.5/3)		
	200mm	22	No.



Executive Engineer
Municipal Corporation
Bhilai



Assistant Engineer
Municipal Corporation
Bhilai



Sub-Engineer
Municipal Corporation
Bhilai