

MUNICIPAL CORPORATION OF BHILAI

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कार्य का नाम— जोन क्र. 05 अंतर्गत वार्ड 69 एवं वार्ड 70 हुडको क्षेत्र में , MIG , एलआईजी क्षेत्र एवं एचआईजी क्षेत्र में सीवर लाईन एवं चेंबर संधारण कार्य।

As per Building SOR 01.01.2015

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Excavation for all types and size of foundation, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5m. lift and lead upto 50m (at least 5m away from the excavated area). Including dressing and leveling of pits. + Extra rate for quantity of work executed in or under water and/ or liquid mud including pumping out water.		
	100 mm dia	48.60	
	200 mm dia	26.40	
	200 mm dia	39.60	
		114.60	Cum
2	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead but beyond 20m and disposal of unserviceable materials:100 mm diameter	60	Mtr
3	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead but beyond 20m and disposal of unserviceable materials:200 mm diameter	40.00	Mtr
4	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.	17.28	Cum
5	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.	8.7	Cum
6	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :		
	200 mm diameter	60.00	Metre
	150 mm diameter	20.00	Metre
	100 mm diameter	20.00	Metre
7	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. Pipes including bed concrete 150mm thick as per standard design:		
	200 mm diameter S.W. Pipe	60.00	Metre
	150 mm diameter S.W. Pipe	20.00	Metre
	100 mm diameter S.W. Pipe	20.00	Metre
8	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :	8.00	Each
9	Extra for depth for manholes Size 120x90 cm	8.00	Each


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10	Providing and constructing brick masonry circular arch type manhole upto 1.67m depth, 0.91m internal dia at bottom and 0.56m dia at top having brick masonry wall 190mm thick with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, providing and fixing S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182kg, in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) all complete as per standard design (excavation and foot rests shall be paid for separately) • Manhole of	6.00	Each
11	Providing and constructing extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91m and upto 1.67m	6.00	metre
12	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	95.00	m ³
13	carriage by mechanical transport up to 5 km lead earth	19.60	metre


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


Sub Engineer
Municipal Corporation
Bhilai (C.G.)