

Estimate for Mother Teresa Nagar NIT**(Distribution Net Work DI K-7)**

कार्य का नाम- जोन 03 अंतर्गत विभिन्न स्थानों में पाईप लाईन लिंकज संधारण कार्य।

PWD PHED SOR 1.6.2020

NON SOR ITEM

Sr. No.	Description	Unit	Qty.
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 (C.G.P.H.E. SOR 2020 18.15/225) 300mm	cum	3.24
2	Pumping out water caused by springs, tides or river seepage, broken water mains or drains.		
	300mm	kl	12.15
	300mm sluice valve	kl	67.50
	600mm sluice valve	kl	10.80
3	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) 300mm	Rmt	6
4	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 kind of soils 300mm	cum	2.78
5	Providing & fixing of following Ductile iron double flanged sluice valves glandless, resilient (soft seated) non-rising spindle with body bonnet of ductile cast iron of grade GGG 40/SGI 400-12 or equivalent grade or of higher tensile strength grade, as per IS: 3896 part-II-1986 and subsequent revision, wedge fully rubber lined with EPDM food grade quality and seals of NBR. The valve should be with replaceable nut and replaceable sliding shoes, valve stems shall be of single piece thread rolled. Sluice valve shall be compatible for buried applications without valve chambers. The valve should be vacuum tight and 100% leakproof with face to face dimensions as BS: 5163-89/ IS: 14846/2000/DIN 3204 F4 and flange connections as per IS: 1538. Valve should be with electrostatic powder coating both inside and outside (thickness 250 micron) with pocketless straight thro body passage including jointing and testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. 200mm	No.	2
6	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.		
	300mm	No.	4
7	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.		
	200mm	No.	2
	NON SOR ITEM		
8	Labour only for cutting following Ductile Iron pipes of any type and class. 600mm	No.	1
9	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. 10 % of the Cost of Providing pipe under I.No. 6 above	Ls	-

कार्यपालन अभियन्ता
नगर पालिक निगम, गिलाईसहायक अभियन्ता
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नगर पालिक निगम, गिलाई