

**INDIAN INSTITUTE OF TECHNOLOGY MADRAS**

**IC & SR**

**Name of work:Providing and laying of sewer network in Sriram nagar, Lakshmi Nagar, Subramanian nagar, Sivakumar nagar and Velavan Nagar at Vichoor Village.**

**FINANCIAL BID - VOLUME II - BILL OF QUANTITIES**

**Enquiry No: CIE/ 2020/005/LIGY/ Providing and laying of sewer network in Sriram nagar, Lakshmi Nagar, Subramanian nagar, Sivakumar nagar and Velavan Nagar at Vichoor Village**

Name of the Bidder						
Sl. No.	Description	Quantity	Unit	Rate Rs in figures	Rate Rs in words	Amount
1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil Pipes, cables etc. not exceeding 80 mm dia.	3909.00	Mtr			0.00
2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	1247.00	Mtr			0.00
3	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	148.00	Cum			0.00
4	Providing and fixing unplasticised Rigid PVC pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 63 mm diameter	3909.00	Mtr			0.00
5	Providing and fixing unplasticised Rigid PVC pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	382.00	Mtr			0.00

Sl. No.	Description	Quantity	Unit	Rate Rs in figures	Rate Rs in words	Amount
6	Providing and fixing unplasticised Rigid PVC pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 160 mm diameter	866.00	Mtr			0.00
7	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 63 mm	450.00	Each			0.00
8	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° 63 mm	450.00	Each			0.00
9	In-situ construction of R.C.C.M30 mix Manhole cylindrical type of diameter 300mm with wall thickness of 200 mm as per drawing and including 150 mm thick P.C.C.1:2:4 (1cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size) bottom raft with 150 mm offset beyond raft on periphery. The internal wall shall be finished with with 6 mm thick plaster in CM 1:4 with a floating coat of neat cement and haunching benching in concrete M30 neatly finished complete as per standard design. Manhole shall be complete with providing & fixing Orange color safety foot rest at 30 cm staggered and providing & fixing SFRC manhole cover and frames (Heavy duty HD-20 grade designation)	225.00	Each			0.00
10	In-situ construction of R.C.C.M30 mix Manhole cylindrical type with wall thickness of 200 mm as per drawing and including 150 mm thick P.C.C.1:2:4 (1cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size) bottom raft with 150 mm offset beyond raft on periphery. The internal wall shall be finished with with 6 mm thick plaster in CM 1:4 with a floating coat of neat cement and haunching benching in concrete M30 neatly finished complete as per standard design. Manhole shall be complete with providing & fixing Orange color safety foot rest at 30 cm staggered and providing & fixing SFRC manhole cover and frames (Heavy duty HD-20 grade designation)					
a	0.90 M Dia 0.50 to 1.0 M deep	80.00	No			0.00
b	0.90 M Dia 1.00 to 1.50 M deep	30.00	No			0.00
c	1.20 M Dia 1.50 to 2.00 M deep	20.00	No			0.00
					<b>Total</b>	<b>0.00</b>

Sl. No.	Description	Quantity	Unit	Rate Rs in figures	Rate Rs in words	Amount
	Total in words					
	<b>Signature of the Contractor</b>					<b>Principal Coordinator</b>
	(during signing of the agreement)					Dept.of Civil Engineering