

				<u>Rates for E-Bidding</u>	
SL. NO.	Description	QTY	UNIT		
A. MECHANICAL WORKS					
1.0	Piping & Valve (Pump house, Hydrant Network)				
1.1	Above Ground Piping (As per Grade CT) Hydrant system including fittings, structural supports, painting as per specification.				
(a)	300 NB	66	m	720.00	47,520
(b)	200 NB	444	m	495.00	2,19,780
(c)	150 NB	144	m	360.00	51,840
(d)	100 NB	18	m	270.00	4,860
(e)	80 NB	126	m	198.00	24,948
(f)	50NB	36	m	135.00	4,860
(g)	40NB	12	m	99.00	1,188
(h)	25NB	12	m	67.50	810
(i)	15NB	12	m	67.50	810
Note	Fixing of fittings such as bends, reducers, tee, flanges, etc.	Rate only	Per Inch/Dia	60.00	
1.2	Underground piping (Grade CT) including fittings, excavation, Back filling, sand bedding, wrapping and coating.				
(a)	200 NB	528	m	675.00	3,56,400
(b)	150 NB	36	m	495.00	17,820
(c)	100 NB	30	m	352.80	10,584
(d)	80 NB	120	m	264.60	31,752
Note	Painting of line with two coat of red oxide primer & two coat PO Red Enamel Paint from 80mm to 300mm dia	798	M	75.00	59,850
	Painting of line with two coat of red oxide primer & two coat PO Red Enamel Paint for below 80mm dia	72	M	50.00	3,600
	Hydraulic Pressure Testing Charges HPT machine at 150% of the working pressure	1	M	40,500.00	40,500
1.3	Gate Valve, as per data sheet A of TCE.M4-103-02 for following sizes:				
(a)	300NB	6	No.	810.00	4,860
(b)	200 NB	2	No.	432.00	864
(c)	150 NB	5	No.	324.00	1,620
(d)	100 NB	2	Nos.	216.00	432
(e)	80 NB	4	No.	162.00	648
(f)	50 NB	4	No.	108.00	432
1.4	Butterfly Valve, as per data sheet A of TCE.M4-103-05 for following sizes:				
(a)	200NB (Gear operated)	11	Nos.	432.00	4,752
(b)	150NB	4	Nos.	324.00	1,296
(c)	100NB	2	No.	216.00	432

(d)	80 NB	1	Nos.	162.00	162
1.5	Check Valve, as per data sheet A of TCE.M4-103-06 for following sizes:				
(a)	200NB	2	Nos.	432.00	864
(b)	50NB	2	Nos.	108.00	216
1.6	Ball Valve, as per data sheet A of TCE.M4-103-27 for following sizes:				
(a)	40NB	2	Nos.	81.00	162
(b)	25NB	5	Nos.	54.00	270
(b)	20NB	1	Nos.	54.00	54
(b)	15NB	20	Nos.	54.00	1,080
1.7	Basket Strainer, as per data sheet A of TCE.M4-103-51a for following sizes:				
(a)	300NB	2	Nos.	1,350.00	2,700
1.8	Air vessel of 1 m ³ capacity fabricated out of ASTM A 516 Gr.70/IS:2002 grade plate. Designed as per ASME sec. VIII for design pressure of 16 kg/cm ² with a corrosion allowance of 2mm, along with all necessary instrumentation as per P & ID	1	No.	3,600.00	3,600
1.9	Thermal Relief Valve				
(a)	20x25NB	1	No.	108.00	108
2.0	Hydrant System				
2.1	Single headed Hydrant Valve as per data sheet A of TCE.M4-111-02	26	Nos.	315.00	8,190
2.2	15 m long 63mm Fire Hose as per data sheet A of TCE.M4-111-05	52	Nos.	60.00	3,120
2.3	Hose Cabinet for External / Internal Hydrants as per data sheet A of TCE.M4-111-08	26	Nos.	315.00	8,190
2.4	63mm branch pipe with 20mm nozzle as per data sheet A of TCE.M4-111-04	23	Nos.	60.00	1,380
2.5	63mm branch pipe with Fog type nozzle.	3	Nos.	60.00	180
2.6	Water Monitor Capacity 1750 Lpm with 32 mm. Nozzle as datasheet A of TCE.M4-111-03	2	Nos.	2,430.00	4,860
2.7	Water-cum-foam Monitor Capacity 1750 Lpm with 32 mm. Nozzle	QRO	No.	2,430.00	
2.8	Air Release Valve 25 mm	3	Nos.	54.00	162
2.9	Hose reel assembly as per data sheet A of TCE.M4-111-14	4	Nos.	540.00	2,160
2.10	Orifice plate made of min 4mm thick SS 304 with identification tab suitable for hydrant valve flange for limiting the pressure at inlet of hydrant valve	10	Nos.	450.00	4,500
3.0	Equipment in Fire Pump House & other Associated equipment				
3.1	Electric Motor driven Fire pump sets with pump prime mover and as per Data sheet A of TCE.M4-105-01 (capacity 340m ³ /hr @ 88 MWC including rubber expansion bellow as per 10258A-ME-6041-PI-60011)	1	MT	4,000.00	4,000
3.2	Diesel engine driven Fire pump sets with pump prime mover and as per Data sheet A of TCE.M4-105-01 (capacity 340m ³ /hr @ 88 MWC including rubber expansion bellow as per 10258A-ME-6041-PI-60011)	1	MT	4,000.00	4,000

3.3	Electric Motor driven Hydrant jockey pump sets with prime mover and as per Data sheet A of TCE.M4-105-01 (capacity 10.8 m ³ /hr @ 88 MWC)	2	MT	4,000.00	8,000
4	Portable Fire Extinguisher as per TCE.M4-111-16			-	-
4.2	Carbon dioxide(CO ₂) as per IS:2878 @ 4.5 kg capacity.	25	Nos.	120.00	3,000
4.3	ABC type as per IS 15683 @ 6 Kg capacity	64	Nos.	120.00	7,680
4.3	Mechanical Foam type as per IS 15683 @ 9 Ltrs. capacity	4	Nos.	120.00	480
					9,61,576

Other Terms & Conditions

- 1 Complete civil work as excavation, backfilling, core cutting valve chambers civil work shall be in MSFL scope.
- 2 Supply of Material (Pipes, bends, flanges, tees, Nut Bolts etc) shall be in MSFL scope.
- 3 Supply of Wrapping material (Bitumen) for under ground pipes shall be in MSFL scope.
- 4 Supply of primer, paint and application of paint shall be included in pipe laying by contractor.
- 5 Application of wrapping (Bitumen) for underground pipes shall be included in pipe laying by contractor.
- 6 Price are inclusive of all the taxes/expenses only GST will be paid extra as applicable.
- 7 Payment Terms : Monthly payment on prorata basis after verification by our Engineer.