

Sr.	Description	Round off qty	Unit	Rate		Amount
				In words	In fig	
1	<p>Main Fire Hydrant Pump- Electric Motor Driven:</p> <p>SITC of: Back pull out type -Single Stage, Self Mriming, Centrifugal Pump for Main Fire Pump with Electric Motor, Base frame and Couplings.</p> <p>MOC:-Casing-CI, Impeller- Bronze, Shaft- SS 410, Sleeve-SS410.</p> <p>Flow Capacity: 1620 LPM</p> <p>Head: 60 mtr</p> <p>Speed: 2900 Approx</p> <p>Pump shall be capable of furnishing not less than 150% of rated capacity at a head not less than 65% of rated head The shut off head shall not exceed 120% of rated head.</p> <p>UOM:-Price Per Complete set of Pump + Motor + Accessories.</p> <p>Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope.</p>	1.00	No.			
2	<p>Jockey Fire Pump- Electric Motor Driven:</p> <p>SITC of: Back Pull-out End Suction Type -Single Stage, Self Priming, Centrifugal Pump for Jockey Fire Pump with Electric Motor, Mechanical Seal, Base-frame and Couplings.</p> <p>MOC:-Casing-CI, Impeller- Bronze, Shaft- SS 410, Sleeve-SS410.</p> <p>Flow Capacity: 180 LPM</p> <p>Head: 60 mtr</p> <p>Speed: 2900 Approx</p> <p>Pump shall be capable of furnishing not less than 150% of rated capacity at a head not less than 65% of rated head The shut off head shall not exceed 120% of rated head.</p> <p>UOM:-Price Per Complete set of Pump + Motor + Accessories.</p> <p>Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope.</p>					
	Pump Room	1.00	No.			
3	<p>Standby Fire Pump- Diesel Engine Driven</p> <p>SITC of: Diesel Engine driven Standby Pumping System complete with,diesel engine, Back Pull-out Type Single Stage, Self Priming, Centrifugal Pump, Couplings &amp; Base-frame:</p> <p>MOC:- Pump Casing-CI, Impeller- Bronze, Shaft-SS410, Sleeve- SS410.</p> <p>Flow Capacity: 2280 LPM</p> <p>Head: 65 mtr</p> <p>Speed: 2900 LPM</p> <p>Diesel Engine includes 100 ltr diesel tank, battery, battery charger, engine oil and coolant.</p> <p>UOM:-Price Per Each Set.</p> <p>Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope.</p>	1.00	No.			
4	<p>Fire Pump Control Panel- Auto and Manual Type.</p> <p>Supply, Installation and Testing of: Electric Control Panel for Electric Motor Driven Main Fire Pump and Jockey Fire Pump. all pumps can be Start Automatically (by Pressure Switch) &amp; Manually.</p> <p>Design As per the Detail Specifications given.</p> <p>UOM:-Price Per Set.</p>	1.00	No.			
5	<p>Air Vessel:</p> <p>SITC of Pressurized Air Vessel f Size 450 mm Dia x 2000 mm long fabricated from 10 mm thick MS Plate with 25 mm drain valve, air release valve with ball valve on top and isolation valve.</p>	1.00	No.			
6	<p>Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe of following size of cables</p> <p>- 3.5 core 50 Sq. mm</p>	20.00	Rmt.			
7	<p>Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.</p> <p>- 3.5 core 50 Sq. mm</p>	4.00	No.			
8	<p>Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool &amp; connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.</p> <p>- 50 Sq.mm.</p>	16.00	No.			
9	<p>Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe of following size of cables</p> <p>- 4 core 16 Sq. mm</p>	15.00	Rmt.			

10	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. - 4 core 16 Sq. mm	2.00	No.			
11	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. - 16 Sq.mm.	8.00	No.			
12	Pressure Gauge with Siphon Tube and Cock. Supply, Installation and Testing of: Pressure Gauge with Siphon Tube and Cock. MOC:-4" Dial- Glycerin filled- Stainless Steel Body Pressure Gauge with GI Siphon Tube and Brass Cock. Size:-Dial: 4" (100 mm) Range: 0 – 16 Bar (kg/cm2) UOM:-Price Per Unit	5.00	No.			
13	Pressure Switch with Siphon Tube and Cock. Supply, Installation and Testing of: Pressure Switch with Siphon Tube and Cock. Size:- Range suitable for System Design Pressure. UOM:-Price Per Unit	3.00	No.			
14	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Under Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket, wrapping-coating etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 150 mm	9.00	Rmt.			
15	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Under Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket, wrapping-coating etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 100 mm	7.00	Rmt.			
16	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket, etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 150 mm	217.00	Rmt.			
17	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket, etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 100 mm	11.00	Rmt.			
18	Gate /Sluice Valve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 150mm	2.00	No.			

19	Gate /SluiceValve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 100mm	4.00	No.			
20	Gate /SluiceValve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 80mm	2.00	No.			
21	Check Valve ( Non Return Valve) Supply, Installation and Testing of: Check Valve (Ball type or Swing type) with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 100mm	3.00	No.			
22	Check Valve ( Non Return Valve) Supply, Installation and Testing of: Check Valve (Ball type or Swing type) with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 80mm	1.00	No.			
23	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 100mm	2.00	No.			
24	Strainer. Supply, Installation and Testing of: Y Type Strainer with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Mesh: SS-304. Working Pressure: 10 Bar UOM:-Price Per Each No. Size: 150mm	1.00	No.			
25	Air Release Valve- 25 mm Supply, Installation and Testing of: Air Release Valve Check Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Gunmetal / SS. UOM:-Price Per Each No.	2.00	No.			
26	Fire Hydrant Landing Valve (Stainless Steel (SS-304), ISI Marked): Supply, Installation and Testing of: Fire Hydrant Landing Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Stainless Steel (SS-304), Working Parts: Stainless Steel (SS-304), Coupling: Stainless Steel (SS-304), Standard: -ISI Marked. Size:-63 mm (Flange End: NB 75 mm, PCD 160 mm) UOM:-Price Per Each No.	9.00	No.			
27	Fire Hose Pipe (Delivery Hose)- 63 mm x 15 m Supply, Installation and Testing of: Fire Hose with Hose Couplings. RRL (ISI Mark- Type A) Fire Hose. Hose Couplings: ISI Marked Stainless Steel. With SS Wire Binding. Standard: - ISI Marked & TAC Approved Hose. Size:-63 mm dia x 15m long Hose. UOM:-Price Per Each Set.	18.00	No.			
28	Cabinet For Fire Hose (Hose Box)- Double Type Supply, Installation and Testing of: Fire Hose Cabinet (Hose Box) suitable to accommodate 02 no. of 15 m long fire hoses and 01 no. of nozzle. With Lock-n-key facility. Wall Mounting Design. MOC: 16 Gauge MS Box with Powder Coating Standard: - As per Guidelines. Size:- Suitable for 02 nos. of 15 m long hoses. UOM:-Price Per Each No.	9.00	No.			

<b>29</b>	<p>Fire Hose Nozzle- Short Branch Pipe Nozzle.</p> <p>Supply, Installation and Testing of: Short Branch-pipe Nozzle.</p> <p>MOC: Stainless Steel (SS-304).</p> <p>Standard: ISI Marked, Heavy Quality.</p> <p>Size:- 63 mm X 20 mm</p> <p>UOM:-Price Per Each No.</p>	<b>9.00</b>	<b>No.</b>			
<b>30</b>	<p>Fire Hose Reel Set (ISI)-19 mm x 30 m -Rubber Hose.</p> <p>Supply, Installation and Testing of: Fire Hose Reel Set with necessary pipe fitments, hardware and consumables.</p> <p>MOC:-Drum: 16 G Powder Coated MS,</p> <p>Hose: 19 mm X 30 m heavy-duty RUBER hose.</p> <p>Shut-off Nozzle: SS-304.</p> <p>With Control Valve: SS- 25mm Ball Valve.</p> <p>Standard: ISI Marked. Heavy Quality.</p> <p>Size:-19 mm dia x 30m long Hose.</p> <p>UOM:-Price Per Each No.</p>	<b>2.00</b>	<b>No.</b>			
<b>31</b>	<p>Fire Service In-let (In-let Connection for Fire Brigade)-4 Way Type.</p> <p>Supply, Installation and Testing of: Fire Service Inlet with necessary hardware and consumables.</p> <p>MOC:-Body: Heavy-duty CI.</p> <p>Couplings/NRV: Gunmetal.</p> <p>Standard: -Made As per IS Standard- Heavy duty quality.</p> <p>Size:-Couplings: 63 mm, 150 mm E-table Flange End.</p> <p>UOM:-Price Per Each No.</p>	<b>1.00</b>	<b>No.</b>			
<b>32</b>	<p>RCC Hume Pipe:</p> <p>Providing and Laying NP3 RCC Hume Pipe of 300 mm at road crossing</p>	<b>16.00</b>	<b>Rmt.</b>			
<b>33</b>	<p>Approval of Fire Hydrant &amp; Entire Fire Protection System from Local Fire Authority and any other relevant statutory authority at initial and various other stages of work, including preparation of report/drawings as per fire authority requirement. Contractor shall include cost of all liason work which are not explicitly mentioned above but are mandatory to have fire authority approval (any statutory charges will be paid extra).</p>	<b>1.00</b>	<b>No.</b>			