

# Om Enterprises

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Ref No.- 0576

Date- 07/04/2022

**PERPOSAL FOR FIRE FIGHTING SYSTEM AT New Indutrial Unit,**  
**Bhogpur, Haridwar**

## **BILL OF QUANTITY**

S.No.	Description	Unit	Qty	Rate	Amount
A.	SECTION-I: FIRE PUMPS AND ACCESSORIES				
1.	<b>FIRE PUMPS Note:</b> Providing and fixing of centrifugal pumping set with CI Volute and bronz impeller with machanical seal directoly coupled to a SPDP induction motor mounted on structural base frame with all pump accessories complete with motor suitable for 415 V 3 phase 50 Hz AC supply.				
A)	<b>MAIN PUMP FOR HYDRANT SYSTEMS</b> Type of Pump - Centrifugal Capacity-1620 LPM Head- 56 Mtrs. H.P. - 30 HP Motor RPM - 2900	Each	1	210000.00	210000.00
B)	<b>JOCKEY PUMP</b> Type of Pump – centrifugal Capacity - 180 LPM HP - 7.5 HP Head - 56 Mtrs. RPM - 2900	Each	1	90000.00	90000.00
C)	<b>DIESEL PUMP</b> Type of Pump - End suction - horizontal Capacity - 1620 LPM	Each	1	530000.00	530000.00

	Engine BHP - As required to be checked from Pumps Head - 56 Mtrs. RPM – 1800				
2)	Providing and fixing double flanged vertical air vessel fabricated from 6/8 mm MS plate with dished ends 300 mm dia and 1500mm high common for fire and jockey pumps. Complete with 03 nos. pressure switches for every individual pump to operate at drop of pressure set for automation. complete in all respects	Each	2	40000.00	80000.00
3)	Providing and fixing dust and vermin proof cubical type motor control centre for AUTO/MANUAL operation of both the pumps, fabricated from 2 mm thick CRCA sheet duty powder coated in approved shade complete in all respects	Each	1	80000.00	80000.00
4)	Electrical Work: (Including supply, installation and terminations of power control cables of suitable size as per HP of all for fire pumps with cable trays as per approved design/specifications of Earthing of all motors and panel by GI/Copper flat of suit (client will provide a 3ph connection upto fire panel as incomer)	L.S	1	45,000.00	45,000.00
5)	Providing and fixing black steel pipes to IS:1239/ Medium-class including all fittings like couplings, bends, elbows, tees, flanges, gasket etc. welding as required painting with one coat of red - oxide primer and two or more coats of synthetic enamel paint etc. complete in all respect. a) 80 MM b) 100 MM	Meter Meter	10 20	2200.00 2500.00	22000.00 50000.00
6)	Providing and fixing cast iron butterfly valve as per IS: 13095 (PN:1.0) including nuts, bolts, 1.5mm thick CAF gasket sheets complete in all respect. a) 80 mm b) 100mm	Each Each	10 05	7000.00 8500.00	70000.00 42500.00
7)	Providing and fixing dual plate type check valve / NRV (As per IS:5312) including nuts, bolts, 1.5mm thick CAF				

	<b>gasket sheets complete in all respects.</b> a) 80 mm b) 100mm	Each Each	1 2	8,000.00 9,000.00	8000.00 18000.00
<b>8)</b>	Providing and fixing dual plate type Foot valve (As per IS:5312) including nuts, bolts, 1.5mm thick CAF gasket sheets complete in all respects. a) 80 mm b) 100mm	Each Each	1 1	9,000.00 10,000.00	9,000.00 10,000.00
<b>9)</b>	<b>Providing and fixing GM stop valve ISI marked (IS:778) screws type tested to 20 kg/sg.cm pressure of following sizes.</b> a)25 mm b) 40mm c) Drain pipe 40mm	Each Each RM	4 1 3	1500.00 2500.00 1050.00	6,000.00 2,500.00 3,150.00
<b>10)</b>	<b>Providing and fixing of Pressure gauge 100mm dia for 0 - 7kg/cm with shutt off valve shiphone tube etc. Complete in all respects.</b>	Each	2	1,500.00	3,000.00
<b>11)</b>	<b>Providing and fixing of Priming Tank 500 ltr. Water capacity with ball Valve off valve etc. Complete in all respects.</b>	Each	1	11,000.00	11,000.00
	<b>TOTAL.....A</b>				<b>12,90,150.00</b>
<b>B)</b>	<b>FIRE YARD HYDRANT SYSTEM</b>				
<b>1)</b>	Providing and fixing Above Ground black steel pipe to IS: 1239 (Medium Class) including all fittings like couplings, bends, tees, flanges gasket etc. Welding as required painting with coat of solvent based primer and MS structural support etc. a) 80 mm dia b) 100mm dia	Metre Metre	20 200	2200.00 2500.00	44,000.00 5,00,000.00

<b>2)</b>	Providing and fixing anti-corrosive treatment with PYPKOTE and anticorrosive primer complete in all respects. <b>(If Under Ground pipeline)</b>  a) 100mm	Metre	06	800.00	4,800.00
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<b>3)</b>	Execuvation upto 1.5 depth ( If under Ground	Metre	10	500.00	5000.00
<b>4)</b>	<b>Providing and fixing of Stainless Steel, ISI marked oblique patern Fire hydrant landing valve with 80 mm dia flanged inlet and 63 mm dia instantaneous type female type lug and all accessories type female type lug and all accessories as per IS:290-1983</b>  a) Single headed	Each	7	8,000.00	56,000.00
<b>5)</b>	<b>Providing and fixing 63 mm dia x 15 mtrs. Long flaxible hose inclduing Stainless Steel make and female instantaneous type coupling (IS:903), machine wound with steel wire complete in all respects with ISI certification.</b> a) RRL Hose pipe	Each	14	7000.00	98,000.00
<b>6)</b>	<b>Providing and fixing of Stainless Steel 63 mm dia Short branch pipe with 20 mm dia nozzle, ISI marked (IS:903)</b>	Each	07	5000.00	35,000.00
<b>7)</b>	<b>Providing and fixing Fire hose cabinet of size 900 x 600 x 300 fabricated from M.S. sheet constructed with hinged double front door with locking arrangements and partially glazed with 5 mm thick glass stove enameled fire red finish, complete in all respect</b>	Each	07	4500.00	31,500.00

<b>8)</b>	<b>Providing and fixing Cast Iron body Two-Way collecting head with 63 mm dia GM instantaneous type inlet with built in check valve for fire brigade connection. Complete in all respects.</b>	Each	01	8500.00	8,500.00
<b>9)</b>	Providing & fixing M.S. Structural work from standard sections, (MS rounds, angle channels etc.) including cutting to size drilling , welding including cost of fastner, clamps in RCC stucture mambers as directed, including two or maore coats of synthetic paint over one coat of primer.	Kg.	220	400.00	88,000.00

	<b>TOTAL.....B</b>				<b>8,70,800</b>
	<b>TOTAL.....(A+B)</b>				<b>21,60,950.00</b>

(Rupees...Twenty Lakh Sixty Thousand Nine Hundrade Fifty Only)

## Terms & Conditions

**GST : Extra@18%**

**Payment : 40% Advance with written order**

**: 50% Agianst delivery of material at site**

**: 10% After Testing**

**Note : i) Electricity, water and lockable storage will be provided by the client at there own cost.**

**ii) The above mentioned quantity are estimated and final quantity will be measured after completion**

**iii) All Civil work like cutting of Raod,Digging,all meson work is in your scope.**

**For Om Enterprises**

**(Auth. Signatory)**

