

**INSTITUTE FOR PLASMA RESEARCH**

NEAR INDIRA BRIDGE, BHAT, GANDHINAGAR –382 428 (INDIA)

**PRICE BID**

Section - V

Nature of Work : Providing 24 X 7 Operation and Maintenance of Firefighting System Installed at IPR.

IPR Tender Notice No : IPR/ST/TN-OMC/04/19-20 dated 21.02.2020

**From**

**Name of the Contractor:**

**Offer No. & Date:**

<b>A. SCHEDULE OF RATES</b>				
Sr. No.	ITEM DESCRIPTION AND LOCATION	No. of Months	Rate Per Month	Amount C X D
1	24 X 7 Operation and Maintenance of Fire Fighting System as per details indicated in this Tender	24		-
<b>Total of A</b>				-

<b>B. SCHEDULE OF RATES</b>		
Sr. No.	Description of Consumable / Spares	Rate Per Unit
1	G.M Bonnet of 63mm size for Fire Hydrant valve	
2	Gun Metal 63mm spindle for hydrant Valve	
3	GM 63mm Lugs Assembly for hydrant Valve	
4	GM seat valve assembly for landing valves 63mm	
5	63mm Female coupling	
6	63mm Male coupling	
7	PVC Male Blank Cap with Chain	
8	Cast Iron Hand wheel	
9	Seat valve with Nut assembly for landing valves 63mm	
10	SS Spring for Hydrant Lug for landing valves 63mm	
11	G.M 63mm Gland Bush for landing valves 63mm	
12	Repairing of Motor including labour charges	
13	Repairing of Jockey Pump including labour charges	
14	Repairing of Main Centrifugal Pump including labour charges	
15	Repairing of Diesel Engine Pump including Labour charges	
16	Hose Pipe with complete GM fittings, size-63 mm – 15 mtr.	
17	Hose Reel, dia 20 mm as per IS-884-30 mtr.	
18	20 mm dia SS Valve for Hose Reel	
19	SS Nozzle- 63 mm dia , AAAG make	
20	Shut off ball valve of 8 mm dia.	
21	Pressure gauge- 100 mm dia.	
22	Pressure switches	
23	Cast iron double flanged type IS marked sluice valve – 150 mm	
24	Cast Iron butterfly valve – 150 mm	
25	Cast Iron butterfly valve – 100 mm	
26	Cast Iron butterfly valve – 80 mm	
27	Ball valve – 25 mm	
28	Ball valve – 15 mm	
29	Cast Iron double flanged type Non-return valve – 150 mm	
30	Cast Iron double flanged type Non-return valve – 80 mm	
31	“Y” type strainer with SS 40 mesh	
32	“Y” type strainer with SS 40 mesh	
33	SS 304 – Branch Pipe 20 mm	
34	Hose box cabinet	

35	63 mm, 15 mtr. long reinforced rubber lined hose pipe	
<b>Total for B--&gt;</b>		0

<b>C. SCHEDULE OF RATES</b>		
Sr. No.	Description of Consumable / Spares	Rate Per Unit
1	2 kg. Clean Agent type Fire Extinguisher	
2	2 kg. Clean Agent type fire extinguisher, Refilling only	
3	Integrated ball valve	
4	Pressure Switch	
5	Pressure Gauge	
6	Heat Sensing Tube (4mm ID, 6MM OD) made by special modified polyamide, Service pressure 120bar, release temperature 108 deg C to 150 deg C @ 15 bar (Note: Rate to be given per 1 mtr.)	
7	Fittings	
<b>Total for C--&gt;</b>		0

<b>D. Rate Schedule for Refilling &amp; Hydraulic Pressure Testing of Fire Extinguishers</b>			<b>D.1</b>	<b>D.2</b>
Sr. No.	Type	Capacity	Refilling Rate per Fire Extinguisher	Rate for Hydraulic Pressure Test per Fire Extinguisher
1	CO <sub>2</sub> FE	2.0 Kg		
2	CO <sub>2</sub> FE	3.0 Kg		
3	CO <sub>2</sub> FE	4.5 Kg		
4	CO <sub>2</sub> FE	5.0 Kg		
5	CO <sub>2</sub> FE	6.5 Kg		
6	CO <sub>2</sub> FE	9.0 Kg		
7	CO <sub>2</sub> FE	22.5 Kg		
8	DCP FE	1.0 Kg		
9	DCP FE	2.0 Kg		
10	DCP FE	5.0 Kg		
11	DCP FE	10.0 Kg		
12	ABC FE	1.0 Kg		
13	ABC FE	2.0 Kg		
14	ABC FE	3.0 Kg		
15	ABC FE	4.0 Kg		
16	ABC FE	5.0 Kg		
17	ABC FE	6.0 Kg		
18	ABC FE	9.0 Kg		
19	ABC FE	10.0 Kg		
20	ABC FE	25.0 Kg		
21	ABC FE	50.0 Kg		
22	CA FE	1.0 Kg		
23	CA FE	2.0 Kg		
24	CA FE	4.0 Kg		
25	CA FE	5.0 Kg		
26	CA FE	6.0 Kg		
27	Air Cylinder	6.0 ltr. Capacity With filling pressure 300 bar		
28	Air Cylinder	9.0 ltr. Capacity With filling pressure 300 bar		

**Total for D (D.1 + D.2) -->**

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<b>E. Rate Schedule for Consumables / Spares of Fire Extinguishres</b>		
<b>Sr. No.</b>	<b>Description</b>	<b>Rate per Unit*</b>
<b>DCP FireExtinguisher (Capacity 2.0kg to 10 kg.)</b>		
1	Discharge hose pipe	
2	Squeeze grip	
3	Gun metal cap assembly	
4	S.S. Safety Clip	
5	Cap Washer	
<b>CO<sub>2</sub> Fire extinguisher (Capacity 2 kg. To 5.0 kg.)</b>		
1	Discharge hose pipe	
2	Discharge horn	
3	Handle	
4	Safety Pin With Holder	
<b>CO<sub>2</sub> Fire extinguisher (Capacity 6.5kg. to 22.5 kg.)</b>		
1	Discharge hose pipe	
2	Discharge horn	
3	Handle	
4	Wheel set	
5	Safety Pin With Holder	
<b>ABC Fire extinguisher (Capacity 1 kg. &amp; 2 kg.)</b>		
1	Pressure gauge	
2	Squeeze Valve	
3	Discharge Nozzle	
4	Safety clip with string	
<b>ABC Fire extinguisher (Capacity 4 kg. To 10 kg.)</b>		
1	Discharge hose pipe	
2	Squeeze Valve	
3	Pressure gauge	
4	Safety clip with string	
<b>ABC Fire Extinguisher (Capacity 25 kg. &amp; 50 kg.)</b>		
1	Discharge hose pipe	
2	Squeeze grip	
3	Gun metal cap assembly	
4	Connecting tube for co <sub>2</sub> cylinder to DCP	
5	Wheel set for fire extinguisher	
6	S.S. Safety Clip	
7	Cap Washer	
<b>Mechanical Foam Fire extinguisher (Capacity 9 ltr.)</b>		
1	Discharge hose pipe	
2	Discharge Nozzle	
3	Gun metal cap Assembly	
4	Washer	
5	Safety clip	
<b>Clean Agent Fire extinguisher (Capacity 1 kg. &amp; 2 kg.)</b>		
1	Pressure gauge	
2	Squeeze Valve	

3	Discharge Nozzle	
4	Safety clip with string	
<b>Clean agent Fire extinguisher (Capacity 4 kg. To 6.0 kg.)</b>		
1	Discharge hose pipe	
2	Squeeze Valve	
3	Pressure gauge	
4	Safety clip with string	
<b>Miscellaneous</b>		
1	CO <sub>2</sub> horn with bend for 2.0 Kg CO <sub>2</sub> FE	
2	CO <sub>2</sub> horn full size	
3	Rayon braided CO <sub>2</sub> hosepipe for CO <sub>2</sub> FE (Rate per mtr. length)	
4	CO <sub>2</sub> cartridge for DCP / Water CO <sub>2</sub> FE	
5	Aluminum valve wheel with nut for CO <sub>2</sub> FE	
6	Complete safety pin lock-set for CO <sub>2</sub> FE	
7	Washers for CO <sub>2</sub> /DCP/ABC FE	
8	Safety Clip/Pin with string for ABC/DCP FE	
9	Inner Container for DCP FE	
10	PVC discharge nozzle for DCP/ABC FE	
11	Inner container for DCP FE	
12	Pressure gauge for ABC FE	
13	Valve assembly for ABC FE	
14	Union cap with plunger assembly for DCP FE	
<b>Fire Extinguisher Clamp with Installation</b>		
1	ABC 1/2/4/5/6/10 Kg. and Clean Agent 1 /2 /4/5/6 kg.	
2	DCP 1/2/5/6/9/10 Kg. and Mech. Foam 9 Ltr.	
3	CO <sub>2</sub> 2/3/4.5/5 Kg.	
<b>Total for E--&gt;</b>		<b>0</b>

TAXES AND DUTIES		
No.	Details	Details
1	<b>GST Registration No.</b>	
2	<b>Applicable GST Rate For Table A and D2 i.e. Service Part (% Percentage)</b>	
3	<b>Applicable GST Rate For Table B, C, D1 and E i.e. Supply Part (% Percentage)</b>	

<b>Grand Total (A+B+C+D+E)</b>	-
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Formula to derive L1 party :

$$= 0.90 * \text{Total of Table A as appear in Column E13}$$

$$= 0.10 * \text{Total of Table B, C, D and E as appear in Column C52, C63, D95 and C169 Respectively **}$$

\*\* Total of Rate Per Unit for Table B, C, D(both D1 and D2) and E is considered as single quantity for Evaluation only