

Annexure- I

Quantity of firefighting system

- 1) 15 HP Hydrant Pump -- 02 Nos.
- 2) Double door Hose -- 06 Nos.
- 3) Hydrant valve -- 06 Nos.
- 4) Inlet valve -- 01 Nos.
- 5) Hose Reel -- 03 Nos.

B] Fire –Extinguisher

- 1) ABC type 4.00 Kg – 17 Nos.
- 2) ABC type 5.00 Kg—06 Nos.
- 3) Co2 type 2.00 Kg – 05 Nos.
- 4) Co2 type 4.5 Kg – 05 Nos.

Fire Ball -- 03 Nos.

SCOPE OF WORK

The scope of work covered all including the Non-Comprehensive Annual Maintenance of Fire Fighting System installed at BAIF, Warje, Pune for the period of One Year i.e. 01.04.2021 to 31.03.2022.

NO.	DESCRIPTION	QTY
01	FIRE FIGHTING SYSTEMS Pumps System, UPMS System-Electrical Pumps, Jockey Pump, Fire Pump Panel.	01 Lot
02	Legal Compliance B-Form	Not applicable
03	Fire Hose Reff System, Riser System, Gate valves, NRV, Fire Hydrant System-Hose Box, Hydrant Post	01 Lot
04	Hand Appliances (Fire Extinguishers Checking & Inspection only)	01 Lot
05	Testing of various units of Fire –Fighting system OEM Frequency.	01 Lot
06	Attending the breakdown within shortest possible time-24 Hrs.	Job
07	The Maintenance would be of highest order relying on preventive maintenance to ensure water pressure at 6-7 Kg/CM2.(at fire pump outlet) or as per mentioned in design pressure.	01 Job

PUMP SYSTEM

- 1) Checking & Inspection of mode of operation and pressure drop of all installed pumps.
- 2) Checking & Inspection of pump gland/ Mechanical seal, bearing & flexible coupling, Pressure switch & Pressure Gauge.
- 3) Checking & Inspection of vibration/Abnormal sound, over heating of pumps & Motors.
- 4) Checking & Inspection of operation of emergency Pump & observe deficiencies.

- 5) Checking, Inspection and Maintaining record of pressure, voltage and current drawn by Pump Motors. Dusting & cleaning of control Panel Only. Checking & Inspection of defective part like relay, fuses, single Phase preventers, indication lights, switches, burnt wire.
- 6) Servicing of Butterfly, Gate & Ball Valves.
- 7) Checking & Inspection of coupling alignment, coupling components for signs of wear or damage.

FIRE HYDRANT AND RISER SYSTEM

- 1) Checking & Inspection of Hydrant hose Boxes with all accessories.
- 2) Checking & Inspection of Canvas hose with its all accessories.
- 3) Checking & Inspection of hydrant valve (stand post & landing valve) with its accessories.

FIRE HOSE REEL SYSTEM

- 1) Checking & Inspection of the pipe-network with all accessories, for the pipe-network with all the accessories, for any leakage (i.e. Ball, valve, Nozzle, jubli clamp, connecting pipe & hose reel.

FIRE EXTINGUISHER SYSTEM

- 1) Checking, Inspecting and cleaning of fire Extinguishers with its all accessories only. Not including any cartridge/Bag replacement activity.
- 2) Checking & Inspection of clips, hangers, hose pipes, nozzles condition.
- 3) Dusting and cleaning of fire extinguishers.
- 4) Checking for fire extinguisher due for refilling and HPT test.
- 5) Weight analysis of Co2 cylinder, where pressure gauge indication not available.

CONTROL PANEL, HYDRANT & HOSE REEL SYSTEM, PUMP SYSTEM & FIRE AUDIT INSPECTION

- a) Inspecting starter contacts, motor terminals, tighten motor terminal & control circuit terminals. Brasso polishing of hydrant valve, canvas hose pipe & branch pipe (brass components) inspection only.
- b) CHECKING & SERVICING OF BEARING, FOOT VALVES, NON RETURN VALVES, STRAINERS
- c) DRAINING & RE-PRESSURIZING THE ENTIRE SYSTEM.
- d) TESTING OF HOSE REEL PIPE FOR LEAKAGES, TESTING OF HOSE PIPE FOR LEAKAGES

TESTING

- a) Vibration, sound level, ultrasonic thickness pump & pipes.
- b) Testing of Hose reel pipe for leakages
- c) Testing of Hose pipe for leakages
- d) Training of system & Mock drill.

Date :

Seal & Signature.