

Tender Notice

07.06.2023

Munna Lal & Jai Narayan Khemka Girls College, Saharanpur pleased to invite offer as per following scope of work for supplying, installation and commissioning of Fire Fighting equipment:

1. Down Comer System (02 Nos Block)
2. Hydrant/Hose Reel System Point 04 Nos.
3. Fire Pump 450 Lpm With Fitting and Electric Work 02 Nos.
4. Terrace Tank 5000 Ltr. With base and Inlet Connection 02 Nos.
5. Installed Fire Extinguishers in all blocks.
6. Design Of Soft Copy Drawings as per latest rules.
7. On line submission of application and inspections ,
8. Testing of fire fighting system (Complete All The Procedure of Fire NOC Related Works)

Following is the summary of Fire Fighting Works:

S.No	Description of works	Unit	Qty
1	Supply, Installation, Testing & Commissioning (SITC) of : Single headed, SS ISI marked oblique pattern hydrant landing valve all accessories as per IS:5290-1983 (Type 'A')	No	4
2	SITC of First-Aid Fire Hose Reel wall mounting swinging type complete with drum, bracket and 20 mm dia. X 30 M long high pressure Hose Reel tubing as per IS :444 with Gun-Metal shut-off nozzle having 5 mm dia. orifice. The Hose Reel shall strictly confirm to IS:884-1985.	No	4
3	SITC of Non-percolating flexible hose (RRL type-'A') ISI marked (IS:636) 63 mm dia X 30 M Long complete with instantaneous type SS 63 mm dia. IS marked Male and female couplings (IS:903) bound	No	8
4	SITC of SS 63mm dia short size branch pipes with 20 mm dia nozzles with 63mm instantaneous coupling ISI marked (IS:903)	No	4
5	Gun-Metal Fire Brigade connection consisting of 63 mm dia instantaneous type male coupling with built-in check valves and 150 mm dia. flanged outlet complete with bolts, nuts and rubber insertions as required as per IS: 904- 1983. WayTwo	Each	1
6	SITC of M.S. fire hose cabinet fabricated from 16 gauge M.S. sheet of fully welded construction with hinged double front door with locking arrangement, full glass door 4 mm thick approved by local fire authority, painted with one coat of primer, stove enamelled fire red finished. "Fire Hose" written on front, suitable to accommodate 2 nos. 15 m long 63 mm dia. Hose, 1-branch pipe, 1 fire-man's axe, including suitably mounted as required.	No	4
7	SUPPLY, INSTALLATION, TESTING & COMMISSIONING of Mild steel pipe (IS:1239 Part-I) 'B' class including cutting, threading, welding etc. bends, elbows reducers, unions, flanges, rubber gasket clamps, G.I. nuts bolts washer, hangers etc., including all necessary pipe support,		

	cutting to size, drilling, welding/fixing and welding insert plates in RCC structural members wherever required fixing the pipe on wall/floor/ceiling using anchor fasteners, G.I. pipe sleeves of higher dia shall be provided wherever the pipes are crossing the wall or floors and sealing the sleeve with glass wool and fire sealant, cutting holes in brick or RCC walls/ slabs and making good the same complete including painting with one coat of primer and two or more coats of synthetic enamel paints as per IS : 536 of approved make and shade.		
(a)	100 mm dia	Rmt	60
8	Supply Installation and testing slim seal Butterfly valves B190 Class (PN 1.6) complete with 2 Nos matching flanges rubber insertion, nuts, bolts and washer etc. of following sizes:		
(a)	100 mm dia nominal bore.	No	5
9	Providing and fixing dial type pressure gauge with ball valve and pipe at hydrant station, complete in all respects. Dial dia 100 mm, calibration 0-15 kg/sq cm. Valve shall be paid separately:-100 mm dia.Nominal bore.	No	2
10	SITC of NRV complete with all flanges rubber insertion, nuts, bolts and washer etc. of following sizes:		
(a)	100 mm dia nominal bore.	No	3
11	Gun metal single acting Air release valve rated for 20kg/sq.cm pressure rating with ball valve.	No	2
12	Fixing brass ball valve full bore type tested for 20 kg/cm ² with lever and screwed female ends.	No	7
13	Providing and fixing pressure switch including cost of pressure switch mounted on air vessel complete in all respects.	No	1
14	Electrical Motor Driven pressurization pumping set consisting of the following as per specifications: (a)Horizontally mounted centrifugal type single/multi-stage fire pump for building pressure loss due to any leakage in the system and capable to deliver approx 450 LPM having cast iron body. Bronze impeller, stainless steel shaft and complete. (b) Squirrel cage induction motor totally enclosed fan cooled type suitable for 415 volts +_15% 3 phase. 50 HZ A.C. supply of suitable capacity for the above pump with synchronous speed of 2900 RPM confirming to IS: 325 & as per relevant Indian Standard and specifications. (c) Common bed plate for mounting Pump and Motor fabricated of suitable M.S. Channel as per manufacturer's recommendations. "KIRLOSKAR" makes,(for working of system at terrace).	Set	2
15	Floor mounted fire pump control panel fully automatic star delta starter/auto manual selector switch, for motor pump,star delta starter suitable for pump, fully automatic starting system for main pump, with battery charger, indicating light on/off switch,volt meter, ammeter, selector switch , auxiliary relay,MCCB,inter connecting power cable complete in all respect.3 phase indicator,push	Set	2

	button,pressure gauge and MCB etc.		
16	ABC type fire extinguishers (Mono ammonium phosphate) conforming to IS: 15683, ABC fire extinguisher covers A,B,C class of fires. Fire extinguisher confirming fire rating 2A, 21B.The fire extinguisher working pressure 15kgf/cm2,hydro pressure 35kgf/cm2 & bursting pressure 55kgf/cm2.capacity:6.0 kg	Each	40
17	CO2 type including initial fill with CO2 gas confirming IS:307-1966 filled to a filling ratio of not more then 0.667. capacity :6.5 kg.	Each	4
18	PVC TANK 5000 LTR. SINTEX	No	2
19	STRUCTUREL CONCREET FOUNDATION OF PVC TANK	No	2
20	FILLING ARRAGMENT IN PVC WATER TANK	No	2
21	Design of fire system as per latest rules & codes and development of working drawing.	No	1

You offer must received before 1500 hrs on 20th June' 2023 in sealed envelope and duly superscribed as “ **Tender for Fire Fighting Equipments Services**”. Please note that any offer received after 1500 hrs on 20th June'2023 will not be considered. Your offer must have all commercial terms like Payment terms, GST, Warranty, Delivery time, Make etc.

Management of Munna Lal & Jai Narayan Khemka Girls College reserves the right to accept or reject any or all the bids in part or in full without assigning any reasons.

Secretary

Principal