Lot-5

Evaluation Criteria for Procurement of Fire Extinguisher

Mandatory Documents		xviii. ATL xix. NTN Registration xx. GST Registration xxi. Last year Income Tax Return. xxii. Last year Sales tax Return. xxiii. Latest three years Bank statement. xxiv. Affidavit on stamp papers duly attested regarding black listing other condition as per specimen on page-45 xxv. Certificate that 2% CDR is attached with Financial bid. **xxvi. PEC Code ME-02**		Bids without Mandatory documents shall not consider for evaluation.
S. No.	Parameters	Detail / Supporting Documents	Total Marks	Remarks
1	Past performance (Last one year) as per signed Bid form 4	Major institution served: i. No institution served — **0** ii. 1 to 2 — **5** iii. 3 to 5 — **10** iv. More than 5 — **15**	**15**	Institutions include Government departments and Private hospitals of 50 or more beds and registered with HRA KPK or Equivalent Registering Body.
2	Market experience in quoted items	i. 1 to 3 years — **5** ii. 4 years or more — **10**	**10**	As a minimum requirement, during any of the last three years, he must have completed at lest **One** contract involving the supply, of similar Goods and each at lest 50% of comparable scale.
3	Product Sample	Goods samples will be examined & accepted by the Technical & Evaluation Committee as per the following parameters: • Consistency in quality • Durability i. Excellent — **15** ii. Good — **10** iii. Unsatisfactory — **0**	**15**	Product that 100% comply with the advertised specifications will be considered for evaluation. **NOTE: Warranty Period One year is Mandatory.**

Total marks: 40

Qualifying marks: 70% (28) and above. the financial bids of technically accepted bidders will be opened publicly at a time to be announced by the Procuring Agency and the financial bids found technically non-responsive shall be returned un-opened to the respective Bidders. **Lowest priced bid from the technically qualified bidder will be accept**

PORTABLE FIRE EXTINGUISHER/ SUPRESSION SYSTEM

SPECIFICATIONS

GENERAL

1. **Description and Scope of the Work.** Design and installation of an engineered Fire Suppression system, based upon portable fire extinguishing system.

2. **Applicable Standards / Codes.** The design has been based on the following codes/standards:-

   a. **NFPA 2001**: 1994 Standard on Clean Agent Fire Extinguishing systems.
   b. **NFPA 10**: Standard for Portable Fire Extinguisher (2007).
   c. **NFPA 12**: Standard on Carbon Dioxide Extinguishing System (2008).
   d. **NFPA 12 A**: Standard for Halon 1301 Fire Extinguishing System (2001).
   e. **NFPA 72**: National Fire Alarm Code.
   f. **NFPA 101**: Life Safety Code.

3. **Features.** Provides all engineering design and materials required for a complete Fire Extinguishing (i.e. Dry Chemical Powder- DCP Carbon Dioxide and Halotron) storage cylinders, and other equipment's necessary for the installation of the system. Major system components shall be procured installed by our firm which is approved for manufacturing supply and installation.

4. **Classes of Fire.** The following types of fire have been considered in the planning:-

   a. **Class A.** Cloth, wood, rubber, paper and many types of plastics.

   b. **Class B.** Fires in flammable liquids, oils, greases, tars, oil based Paints, lacquers and flammable liquids.

   c. **Class C.** Fires that involve energized electrical equipment where the

Electrical conductivity of the extinguishing media is of important.

d. **Class D.** Metal fires which usually occur only in factories or industrial workplaces.

5. **System Description and Operation.** All rooms/ wards/ labs have been protected by Portable fire extinguishing cylinders. Portable fire extinguishing cylinders pair of Dry Chemical Powder (DCP) and CO_2 /Halotron have been planned at critical points inside the Hospitals. Two Fire Points have been designed, one has to be located outside the main facility near the entrance of complex and other fire point has to be placed at exit to the complex.

(a) Fire extinguishers shall be as follows:

1. Carbon dioxide: 5 Kg.
2. Dry Chemical/Multipurpose: 6 Kg type ABC

(b) Each fire hose cabinet shall be equipped with a 5 kg ABC fire.

(c) Fire point will consist, mainly of:-

1. Trolley mounted 50 kg DCP Cylinder.
2. Portable 6 kg DCP Cylinder.
3. Bucket Stand.
4. Buckets.
5. Axe.
6. Fire Beater.
7. Shawl.

6. **Suppression/ Extinguishing System.**

a. **Dry Chemical Powder (DCP).** These assure the best dry chemical coverage that quickly suppress the fires. Dry Chemical Fire Suppression System uses dry chemical compounds that, pound for pound, suppress fire effectively. Dry Chemical's flexible, pre-engineered systems are easy and affordable to install and maintain in virtually any office complex

etc. Dry Chemical Powder was selected to suppress Class A and Class C fires. Trolley mounted 50 kg DCP cylinder is proposed for external fire point located behind the facility. Portable cylinders of these are planned to be placed at fire point, parking area and inside the facility.

b. Carbon Dioxide (CO_2). Carbon Dioxide systems use intelligent, reliable and fast acting extinguishing system. Carbon Dioxide gas has a high rate of expansion which allows it to work fast. It provides a heavy blanket of gas that reduces the oxygen level to a point where combustion cannot occur. CO_2 penetrates the entire hazard area to smother the combustion. It is effective on flammable and combustible materials and approved for class A, B and C hazards. Portable CO_2 cylinders are proposed to place inside the facility, systematically.

c. HALOTRON. Foam fire extinguishers have the advantage of being able to extinguish fires progressively by smothering the fire and depriving it of oxygen without fear of flashback, as can be the case with other power fire extinguishers. The foam fire extinguishers are planned for Class A and B fires, although occasionally they are also used for Class D fires. Portable cylinders of these are located in the corridors inside the facility.

BOQ FOR PORTABLE FIRE EXTINGUISHERS
MOTHER AND CHILD HEALTH CENTER

S.No	Items
	Portable Fire Extinguisher: Supply and Installation of portable fire extinguisher of following types and capacity:

S.No	Items	UNIT	QTY	Rate PKR	Amount PKR
1	DRY CHEMICAL POWDER FIRE EXTINGUISHER Stored Pressure Type, 06-KG Capacity Filled with ABC Powder C/W Pressure Gauge, Wall Bracket and initial charge. 6KG (DCP) (Imported)	Nos	46		
2	CO_2 FIRE EXTINGUISHER Stored Pressure Type, 05-KG Capacity C/W Pressure Gauge, Wall Bracket and initial charge. 5KG (CO_2) (Imported)	Nos	46		
3	HALOTRON FIRE EXTINGUISHER Stored Pressure Type, 06-KG Capacity Filled with ABC Powder C/W Pressure Gauge, Wall Bracket and initial charge. 6KG (Halotron) (Imported)	Nos	10		

S.No	Items				
4	TROLLY MOUNTED FIRE EXTINGUISHER (50 KG DCP) Stored Pressure Type, 50-KG Capacity Filled with ABC Powder C/W Pressure Gauge, Wall Bracket and initial charge. 50KG (DCP) (Imported)	Nos	02		
5	TROLLY MUNTED CO_2 FIRE EXTINGUISHER 25 KG Stored Pressure Type, 25-KG Capacity C/W Pressure Gauge, Wall Bracket and initial charge. 25KG (CO_2) (Imported)	Nos	02		
6	Fire Points: Supply, installation and commissioning of fire point having following items:- a. Fire Buckets b. Fire Axe c. Fire Shawal d. Fire Beater e. Fire Point Stand Complete in all respect.	Nos	2		
	TOTAL				