

Description/ Specification:

Supply and installation of Complete Unit of Automatic Fire extinguishing system with HCFC gas based fire extinguisher with HCFC & Gas mixture for ABC & E class fire Ozone friendly maintenance free, steel body/ carbon manganese steel body cylinders etc. i.e. complete unit of fire extinguisher system consisting of following items:

Parameters/ Specifications/Details of Automatic Fire Detection and suppression system's unit:

Sr.NO.	Specification/description	Quantity
01	Manual fire extinguisher mounted on movable trolley consisting of: (i) One Cylinder with gross weight 18 Kg. +/- 2 kgs. to store minimum 10 kgs. Gas. (ii) Trolley with SS base plate, SS Nozzle cover & 2 rubber casters. (iii) The cylinder should be with fully S.S. long life hi-tech maintenance free valve, equipped with pressure gauge. (iv) Spray pipe: Stainless steel chrome plated minimum 1 meter with control valve. (v) Flexible tube : Rubber minimum 0.5 mtrs.	01 No.
02	Semi-automatic fire extinguisher : (i) One cylinder with approximate gross weight of 4.50 kgs. to store approximate 2.28 kgs gas. (ii) The cylinder should be with fully S.S. long life hi-tech maintenance free valve, equipped with pressure gauge with auto close LHS & RHS S.S. Coil valve design. (iii) Maximum area coverage should be approx 20' x 20' (iv) The cylinders should be mountable on wall.	03 Nos.
03	Automatic fire extinguisher : (i) One cylinder with approximate gross weight of 10 kgs. to store approximate 8.80 kgs gas. (ii) The cylinder should be with fully S.S. long life hi-tech maintenance free valve, equipped with pressure gauge with fusible link type temperature censor which should operate automatically at the temperature of $57\text{ c} + 2\text{ c}$.	11 Nos.

04	<p>Common parameters / specifications for above complete fire extinguisher system:</p> <ul style="list-style-type: none"> (i) HCFC gas based fire extinguisher i.e. all the above cylinders should be supplied with HCFC gas. (ii) Main container /cylinder: Stainless steel body with SS value & SS operative lever/Carbon manganese steel body. (iii) The extinguisher should be equipped with a pressure gauge as indicated against each items above. (iv) The properties of the Extinguishing agent of the extinguisher : <ul style="list-style-type: none"> (a) Electrical conductivity: Non-conductor. (b) There should be no residual effect. (c) Suitable for ABC&E class of fire. (d) Metal compatibility : Should be compatible to Aluminum, Stainless steel, nickel/titanium Zink, magnesium, cadmium plated steel, bare steel. (e) The extinguishing agent should be safe and Ozone & environment friendly gas. (f) Shelf life of Gas should be minimum 10 years. (v) The extinguisher should be maintenance free with no periodic refilling and no periodic hydraulic test. 	
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Note:

1. Firm should quote Warranty/Guarantee for the material.
2. Make/Brand should be mentioned clearly.
3. Literature/leaflet/broacher to be uploaded/submitted along with the offer.
4. Tenderer should specifically quote deviations from our specifications, if any.

SMM/GSD/BPL