



GUJARAT GAS

**Technical Specification for
ABC (Stored Pressure) type Fire Extinguisher**

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GUJARAT GAS

1. INTRODUCTION:

Gujarat Gas Ltd, a Group Company of Gujarat State Petroleum Corporation Ltd., (State Government undertaking), is in business of distributing Natural Gas to Industrial/Commercial/Non-commercial/Domestic Customers and CNG Stations in various Geographical areas as per Authorization from PNGRB.

BIS approved ISI mark ABC type fire extinguisher (Stored Pressure type) covers A,B,C class of fires which includes papers, wood, cloth, rubber, plastic & inflammable liquid like oil, petrol, paints, petrochemical product, resins, gases like Acetylene, LPG & CNG, Electrical & Sophisticated Electrical Equipment.

The present document covers the technical specifications for supply of ABC (Stored Pressure type) fire Extinguishers confirming BIS:15683 as per the requirement of GGL.

2. DEFINITIONS

Definitions of the terms used in this bid document, (unless the context otherwise requires), shall have the same meaning as respectively assigned hereunder.

The "**GGL**" or "**Company**" or "**Owner**" shall mean GUJARAT GAS LIMITED (GGL), incorporated under company's Act 1956, having its Corporate Office at 301-304, 3rd floor IT tower 1, Infocity, Gandhinagar, hereinafter mentioned as "**OWNER**" which expression shall, unless repugnant to the context or meaning or meaning thereof, include all its successors, administrators, executors and assigns.

The "**Supplier**" shall mean the agreement and all other documents between the company and the supplier for providing the services mentioned herein.

The "**Specification**" shall mean all directions, the various technical specifications, provisions attached and referred to in the Bid documents which pertain to the method and manner of performing the work or works to the quantities and qualities of the work or works and the materials to be furnished under the contract or works or works as may be amplified or modified by the COMPANY during the performance of Contract in order to provide the unforeseen conditions or in the best interests of the work or works. It shall also include the latest edition of relevant standard specifications including all addenda / corrigenda published before entering into the contract.

"**Approved**" shall mean approved in writing including subsequent written confirmation of previous verbal approval and 'Approval' means approved in writing including as aforesaid.

"**Guarantee**" means the period and other conditions governing the warranty / guarantee in respect of the work as detailed in section hereunder.

"**HSE**" means Health, Safety and Environment.

3. SUPPLIER'S SCOPE OF WORK

3.1 General Scope:

The scope/specification cover the minimum specified requirement for the various activities to be carried out by the Supplier toward the supply of ABC type fire extinguisher (Stored Pressure type) confirming BIS:15683.



3.2 Supplier's scope of supply:

3.2.1: Material

1. Extinguisher has to be Manufactured strictly as per BIS:15683 latest revision bearing ISI mark EN3 615 Approved Powder (Mono ammonium phosphate)
2. The propellants for stored pressure ABC type fire extinguisher shall be nitrogen gas having a maximum dew point of -55 degree Celsius at 12-15 Bar.
3. Each fire extinguisher shall be supplied with initial charge installed in fire extinguisher and hydraulically tested before delivery.
4. ABC type fire extinguisher (Stored Pressure type) shall be filled with ABC dry chemical powder (Mono ammonium phosphate) complete with squeeze grip type valve as a controllable discharge mechanism, braided PVC/Rubber discharge hose with metallic nozzle, locking arrangement, bracket with two screw and sleeve.
5. ABC dry chemical powder (Mono ammonium phosphate) shall be confirming to IS-14609: Latest revision.
6. Siphon tube shall be made of metal & discharge hose rest holder shall be of good quality & suitable type.
7. Wall mounting brackets up to 9 Kg Capacity fire extinguisher & above 9 kg capacity fire extinguisher with wheel mounted trolley type shall be available.
8. Pressure gauge shall be high precision calibrated to know the readiness of the extinguisher.
9. ABC type fire extinguishers shall be made available in capacities of 1 kg, 2 kg, 4 kg, 6 kg, 9 kg, 25kg, 50 Kg & 75 kg.

3.2.2: Certificates:

- Following list of Certificates to be supplied with material.
 - a. A certified copy of BIS: 15683 latest revision license certified to the manufacturer
 - b. Component analysis certificate for cylinder material
 - c. Hydraulic test certificate of the extinguisher
 - d. Testing certificate for ABC type DCP conforming to IS-14609: Latest version
 - e. Guarantee certificate at least for 01 year

3.2.3: Finishing & Display:

1. Body of ABC type fire extinguisher (Stored Pressure type) coated with epoxy internally and externally by electrical deposition process / phosphatized.
2. The following details shall be marked on each cylinder.
 - a. Type of Fire extinguisher
 - b. Manufacturer's name
 - c. Inspector Stamp
 - d. Year of manufacture and SL NO.
 - e. Fire Rating
 - f. Approval Details
 - g. Test Pressure
 - h. Date of Hydro test (Hard Punch)
 - i. Suitable temperature range
 - j. Instruction (How to apply)
 - k. Purchase Order No. and date

l. Working pressure

3.3: Guarantee:

1. The supplier shall guarantee the equipment against any defects or failure that may arise due to faulty design, defective material employed or poor workmanship involved on their part for a period of 12 months from the date of delivery of the vessel to the owner.
2. In case of suppliers guarantee being applicable, the supplier shall either arrange to repair the defective parts of the equipment at their cost or replace with new components in compensation, free of charge at the earliest and by the quickest possible means. The supplier shall further provide guarantee of 12 months in respect of such parts replaced during guarantee period.