



GUJARAT GAS

Technical Specification for CO2 type Fire Extinguisher

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Table of Contents

1. INTRODUCTION:	1
2. DEFINITIONS	1
3. SUPPLIER'S SCOPE OF WORK	1
3.1 GENERAL SCOPE:.....	1
3.2 SUPPLIER'S SCOPE OF SUPPLY:	2
3.2.1: MATERIAL	2
3.2.2: CERTIFICATES:	2
3.2.3: FINISHING & DISPLAY:	2
3.3: GUARANTEE:.....	2



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.

IS:7285 and CCE approved CO2 type Fire Extinguisher extinguishes the fire by directing the jet of CO2 gas to the base of the fire, thus covering the air around the fire and reduce the oxygen level at the fire point. CO2 fire extinguishers are extensively used at electrical installation, plant, plant or rooms etc. It is a clean extinguishing agent and do not leave any residue after it has been discharged.

The present document covers the technical specifications for supply of CO2 type Fire Extinguisher confirming per IS: 7285 and CCE 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 CO2 type fire extinguisher confirming IS:7285 and CCE.



3.2 Supplier's scope of supply:

3.2.1: Material

1. The cylinder body of CO₂ type fire extinguisher shall be seamless and extruded from high grade carbon manganese steel having Explosive (CCE) approval and ISI mark (manufactured to IS: 2878).
2. All CO₂ cylinders shall be pressure tested to minimum 250 bars.
3. The extinguisher shall be supplied with ISI marked wheel type valve confirms to IS:3224, one metre length high pressure wire braided discharge hose with horn, mounted on two wheeled rubber tyre trolley and handle.
4. Charged CO₂ shall be confirming to IS : 15222 & filled with purified Co₂ gas filling ratio =0.667
5. All other components, design and performance, anticorrosive treatment shall be as per IS: 2878 latest revision.
6. Provision of wall mounting bracket up to 6.5 kg & trolley for above 6.5 kg.

3.2.2: Certificates:

- Following list of Certificates to be supplied with material.
 - a. A certified copy of BIS: 7285 latest revision license certified to the manufacturer
 - b. Component analysis certificate for cylinder material
 - c. Hydraulic test certificate of the extinguisher
 - d. Guarantee certificate at least for one year

3.2.3: Finishing & Display:

1. The internal areas are sand blasted to rid it of rust and the external are spray epoxy/polyester powder coated and oven baked at 180 degree Celsius.
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 rage
 - 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 workman ship 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.