

GUJARAT GAS

**TECHNICAL SPECIFICATION FOR SUPPLY & INSTALLATION OF
AIR COMPRESSOR AND AIR INFLATOR AT CNG STATIONS ACROSS
GGL**

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Contents

1. INTRODUCTION.....	3
2. DEFINITIONS.....	3
3. TECHNICAL SPECIFICATION FOR AIR COMPRESSOR & AIR INFLATOR.....	5
4. CONTRACTOR'S SCOPE OF WORK	6
5. OWNER'S SCOPE OF SUPPLY	7
6. PENALTY TERMS.....	8



1. INTRODUCTION

Gujarat Gas Ltd, a Group Company of Gujarat State Petroleum Corporation Ltd., (State Government undertaking), is in business of distribution of Natural Gas to Industrial/Commercial/Non-Commercial/Domestic Customers and CNG Stations in various cities across Gujarat and outside Gujarat.

2. DEFINITIONS

In this Contract the following words and expressions shall have meanings hereby assigned to them, except where the context otherwise requires:

CLAIMS	shall mean claims, liens, judgments, penalties, awards, remedies, debts, liabilities, damages, demands, costs, losses, expenses or causes of action of whatever nature, including, without limitation, those made or enjoyed by dependents, heirs, claimants, executors, administrators, successors, survivors or assigns.
OWNER or GGL or COMPANY	shall mean Gujarat Gas Limited, a company incorporated under the Companies Act, 1956 and having its registered office at Block no.15, 3rd floor, Udhyog Bhavan, Sector 11, Gandhinagar – 382 011 and more particularly specified in the CONTRACT, and shall include its successors and assignees.
OWNER'S REPRESENTATIVE or CONTRACT OWNER	Shall mean the person appointed from time to time by the OWNER and notified in writing to the BIDDER/SERVICE PROVIDER to act as the OWNER'S REPRESENTATIVE for the purpose of the CONTRACT or in absence of such notification, the OWNER.
BIDDER/SERVICE PROVIDER	Shall means the person, firm or company specified and entering into the Contract with the Owner and its or their legal personal representatives, successors and permitted assigns
SPECIFICATION	shall mean all directions, Various technical specifications, provisions, land requirements attached and referred to in contract 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 for the work or works, as may be amplified or modified by the OWNER or Engineer –In- Charge during the performance of the contract in order to provide the unforeseen conditions or in the best interests of the works or works. It shall also be include the latest edition of relevant Indian Standard Specifications and code including all addenda/corrigenda published before acceptance of bid.
WORKING DAY	Means any day which is not declared to be holiday or rest day by the



	OWNER.
APPROVED	Shall mean approved in writing including subsequent written confirmation of previous verbal approval and "APPROVAL" means approval in writing including aforesaid.
MOBILIZATION	Shall mean the mobilization of equipments, tools, tackles, spares, consumables, manpower etc.
BIDDER/SERVICE PROVIDER'S REPRESENTATIVE	Shall mean person appointed from time to time by the BIDDER/SERVICE PROVIDER and notified in writing to act as its REPRESENTATIVE for the purposes of CONTRACT or in default of such notification the BIDDER/SERVICE PROVIDER.
SITE	Means the area or areas on which the SERVICES are to be executed or carried out and any other places provided by OWNER for the purpose of the CONTRACT.
GGL EIC	Gujarat Gas Company 's Engineer In Charge
CNG	Compressed Natural Gas
OEM	Original Equipment Manufacturer
NABL	National Accreditation Board for Testing and Calibration Laboratories
BDT	Break Down Time
O&M	Operation And Maintenance
AOMP	Annual Operation and Maintenance Plan
UPS	Uninterrupted Power Supply
MIS	Management Information System
DPR	Daily Progress Report
PLC	Programmable Logic Controller
MMI	Man Machine Interface
PPE	Personal protective Equipments
PTW	Permit To Work
SLA	Service Level Agreement
DG	Diesel Generator



WA	Work Authorisation
SMT	Senior Management Team
ASTM	American Society for Testing and Materials, is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.
ASME	American Society of Mechanical Engineers (ASME) is a professional association that promotes the art, science, and practice of multidisciplinary engineering and allied sciences around the globe via continuing education, training and professional development, codes and standards, research, conferences and publications, government relations, and other forms of outreach.
CCoE / PESO	The Government of India's Petroleum and Explosives Safety Organization (PESO) Chief Controller of Explosives (CCOE) issues approvals to products for hazardous environments that conform to Indian standards
NZS	New Zealand Standard
ANSI	American National Standards Institute
NFPA	National Fire Protection Association
OISD	Oil Industry Safety Directorate

3. TECHNICAL SPECIFICATION FOR AIR COMPRESSOR & AIR INFLATOR

3.1 Technical specification of Air Compressor:

- AIR COMPRESSOR MOTOR 3 HP/3 PHASE
- FLOW RATE 8.9 CFM
- MAX WORKING PRESSURE 12 KGS/CM²
- SUPPLY 15 VOLTS +/-10%
- 3 PHASE , 50 HZ +/-3%
- 160 LITER TANK CAPACITY
- MOTOR STARTER

3.2 Technical specification of Air Inflator:

- AIR INFLATOR WITH FLOOR MOUNTING STANDS: MS POWDER COATED.
- RANGE IN PSI : 0 TO 170 PSI



- RANGE IN KG/CM² : 0 To 10.5 KG/CM²
- RESOLUTION : 1 PSI OR 0.07 KG/CM²
- SUPPLY VOLTAGE : 85 V TO 265V AC
- ACCURACY +/- 1 PSI
- THREE DISPLAY, SIZE : 2 X 1 INCH BACKLIT LCD
- CABINET: AS PER IP 65
- SALIENT FEATURES:
 1. Increase /Decrease Key on front panel for setting pressure.
 2. Change Over switch to display in Kgs./sq.cm on front panel.
 3. Touch Sensitive long life keys.
 4. Keys for Vehicle Selection for front & rear tyre pressure.
 5. Pipeline and necessary accessories from instrument to air compressor as per site requirement.
 6. At least 7 Mtrs. Long double braided nylon tubing with nozzle at one end.
 7. Automatic Tyre Detection
 8. Fast and Reliable

4. CONTRACTOR'S SCOPE OF WORK

- 4.1 Contractor shall arrange all material, tools and tackles and equipments as required and will be not paid any additional charge for the same.
- 4.2 All the materials, equipment, appliances, PPEs, Consumables or other things of whatsoever nature required in or about the execution of the work, whether of temporary or permanent nature shall be provided by the Contractor.
- 4.3 Any excavation that might require for laying PVC / GI pipe will be done by vendor and cost for the same has to be included in respective supplies. There will not be any extra payment for excavation and rebuilding the surface.
- 4.4 Contractor and his worker has to wear all required PPE's and follow GGL safety Guidelines during installation work.
- 4.5 All the activities of loading, unloading or any other activity performed with respect to delivery of material by the contractor or his designated representatives which may impact the Health, Safety or Security at the owner's site have to be in accordance with the HSE rules at the owner's premises.
- 4.6 Bidder/Service Provider shall supply all the necessary consumables, spares, piping and housings for both Air Compressor and Inflator.



- 4.7 Bidder/Service Provider shall carryout necessary testing required for pressure vessels as per requirement of Factory act.
- 4.8 Before starting of work at site, Contractor shall himself familiarize for the activities and obtain approval/clearance from Owner and get work permit in one day advance before execution of job.
- 4.9 Supervisors, skilled / semi-skilled / unskilled labor required for the job shall be arranged by the contractor.
- 4.10 All the responsibility for the completion of job will be in the contractor's scope.
- 4.11 All goods, materials or equipment herein specified shall be delivered along with delivery Challan, invoice, test certificates, documents as mentioned in the specifications, as certified by the BUYER representative.
- 4.12 All the equipments will be under warranty for 1 year or more as suggested by OEM.
- 4.13 Contractor to provide Comprehensive AMC of the Supplied Air Compressor & Inflator as per Annexure 1.
- 4.14 Contractor will ensure worthy packing, clear marking and proper handling of the equipments.
- 4.15 Service Provider has to inform and take approval from OWNER's representative before doing any deviation in given specification.
- 4.16 Service Provider is responsible for onsite safety of his material.
- 4.17 The Contractor shall complete the services in all respect as per the planning forwarded by Owner. No deviation in this shall be allowed. Rates will be firm and fixed till the agreement period. No Escalation will be entertained during the agreement period.
- 4.18 The Contractor shall be deemed to have studied the Specifications and details of work to be done with Time Schedule and to acquaint him of the condition prevailing at site.

5. OWNER'S SCOPE OF SUPPLY

- To issue necessary permit to work.
- To guide vendor for the use of PPEs.
- Owner reserves the right not to accept the material in case Test Certificates are not sent with Delivery Challan.



6. PENALTY TERMS

- The CONTRACTOR acknowledges the importance to the OWNER of receiving the GOODS and/or SERVICES at the times specified in this CONTRACT and/or as intimated by the OWNER'S REPRESENTATIVE, and undertakes to take all steps necessary to achieve the completion dates so specified. In this respect, time shall be of the essence. No other activity of the CONTRACTOR shall take precedence over the supply of GOODS and/or performance of the SERVICES.

A sum equivalent to half percent (0.5%) of the value of delayed GOODS / SERVICES per week of delay on basic value of delayed GOODS / SERVICES or part thereof, subject to maximum of 5% of the basic value of the delayed portion of the GOODS/SERVICES to be penalized.

- In-case of violation of HSE requirements a penalty will be charged of Rs. 500 per instance.