



REF NO: MGPL-I/PD/2021/019

Date: 14th July 2021

SECOND OPENING

TENDER NOTICE ISSUED FOR FOREIGN PARTIES BY MALDIVE GAS PVT LTD FOR DESIGN AND CONSULTANCY FOR CENTRALIZED LPG PIPELINE NETWORK FOR HIGH-RISE RESIDENTIAL BUILDINGS IN HULHUMALE' PHASE 2.

Tender Notice published on 09th June 2021, Tender No: MGPL-I/PD/2021/012 for Design and consultancy for centralized LPG pipeline network for high-rise residential buildings in Hulhumale Phase 2 has been canceled due to the change in Terms of References (TOR). Consequently, the project is Re-Tendered.

Bidders are hereby invited by Maldivian Gas Pvt Ltd. of the Republic of Maldives, for Design and consultancy for centralized LPG pipeline network for high-rise residential buildings in Hulhumale Phase 2. The Tender is open to certified design and consultancy firms.

General Description

Title: For Design and Consultancy for Centralized LPG Pipeline network for high-rise residential buildings in Hulhumale' Phase 2.

Tower Type	Numbers of Towers / Floors	Numbers of Apartment
Type 'A'	10 (25 Floor)	3840
Type 'B'	06 (25 Floor)	2880

CAD File will be shared upon request.

Organization of execution: Maldivian Gas Pvt Ltd. of the Republic of Maldives

Scope of Work

1. Centralized gas piping network shall be designed specifically for each tower connecting to the gas banks located in the building premises.
2. The entire design of the piping network shall be designed in in compliance with local and international compliant with technical, safety and other application regulations.
3. Preparation of the comprehensive project tender documents based on the aforementioned elements incorporating to relevant
- 4.



5. The detailed technical specifications, material requirements and bill of quantities for the project shall be prepared specifically for each building highlighted by Building Type A and Building Type B.
6. Complete survey report highlighting initially about the aspects of safety protocol and general technical aspects.

Project deliverables

a. Piping engineering deliverables

- i. Piping design basis
- ii. Material selection for pipes and components
- iii. Piping wall thickness calculations
- iv. Piping material specifications
- v. Piping routing
- vi. Piping general arrangement drawings/layout
- vii. Plot plans, elevations and layout
- viii. Piping isometric drawings
- ix. Piping stress critical line list
- x. Piping stress calculation, including vibration/dynamic analysis
- xi. Pipe stress analysis reports including soft copy.
- xii. Pipe support schedule and pipe support detail drawing
- xiii. Pipe support schedule/list
- xiv. Piping tie-in schedule
- xv. Datasheets/specifications for inline piping components, piping special items
- xvi. Specifications of valves, regulators, etc. used in the pipeline connections.

b. Process engineering deliverables

- i. Process design basis for gas banks
- ii. Process simulation /report in Hysys software
- iii. Cause and effect diagram
- iv. Equipment list
- v. Line list
- vi. Main process heat and mass balances
- vii. Operation and shutdown philosophy of individual connections and gas bank.

c. Electrical/Mechanical engineering deliverables

- i. Electrical design basis
- ii. Main single line diagram
- iii. Electrical load list and load calculations
- iv. Lightning protection calculations



- v. Earthing calculations
 - vi. Typical single line diagrams for motors, starters
 - vii. Specification of local panel/MCC panel, motors, earthing and lightning protection system, lighting system
 - viii. Specifications of other electrical items/power and lighting DBs, LPBS, cables, Cable trays.
 - ix. Electrical power and earthing layouts including cable routing
 - x. Electrical lightning and earthing drawings
 - xi. Electrical cable schedule
 - xii. Electrical installation work scope documents for site installation contractor
- d. Civil and structural engineering deliverables**
- i. Civil and structural design basis
 - ii. Specification for civil/structural
 - iii. Civil layout
- e. Firefighting engineering deliverables**
- i. Firewater demand calculation report
 - ii. Firewater hydraulic analysis report
 - iii. Passive fire protection specification
 - iv. Hazardous area classification schedule
 - v. Drawing index-fire zone layout
 - vi. Utility flow diagram firewater system
 - vii. P&ID firewater pump
 - viii. P&ID firewater sprinkler system
 - ix. Firefighting MTO
- f. Preparation tender documents**
- i. Firewater demand calculation report
 - ii. Firewater hydraulic analysis report
 - iii. Passive fire protection specification
 - iv. Hazardous area classification schedule
 - v. Drawing index-fire zone layout
 - vi. Utility flow diagram firewater system
 - vii. P&ID firewater pump
 - viii. P&ID firewater sprinkler system
 - ix. Firefighting MTO

Bidders should present the price for this tender in the below given format.

Activity	Price USD
Air fair and accommodation	
Local transportation	
Visa fees	



Drawings, design, specifications and other documents mentioned in the deliverables.	
Consultation fee (total amount for a period of 10 months)	
Total bid value	

- Project Duration in months (excluding consultancy).

Tendering Process

Interest bidders are invited to send documents via email on **28th July 2021, 11:00 AM local time** to tender2@maldivegas.com

Mandatory documents to submit with the proposal

Bids without the following documents will not be included in the evaluation. Make sure that these documents are included.

- Company Profile
- Proven record of **similar projects** of minimum 3 clients. (copies of contract or work order by clients). List is excepted as proof of documents.
- Copy of Company registration / incorporation.

Questions and Replies:

If you have any inquires /clarifications kindly send your mail to ameer@maldivegas.com and fauzee@maldivegas.com cc to: procurement@maldivegas.com

1. Contact person: Mr. Ahmed Ameer
Contact No: +960 910 8100
2. Contact Person: Mr. Mohamed Fauzee
Contact Number: +960 778 7749

Last date of receiving queries: **21st July 2021, 11:00 AM.**

MGPL response to queries latest by: **24th July 2021, 11:00 AM**

IMPORTANT NOTES

- For any clarification kindly send your mail to ameer@maldivegas.com and fauzee@maldivegas.com
- **Send your proposal/quotation only to tender2@maldivegas.com and do not CC/BCC it to any other mail.**
- Any proposal/quotation received after **28th July 2021, 11:00 AM (local time)** will not be accepted.
- Bid proposal must be in English language.



MALDIVE GAS PVT LTD

- The currency must be in US Dollars
- For a fair tendering process this mail id will be locked till tender deadline
- Associated bid submissions must provide official letter from the associating partner in their company letterhead.