



INFORMATION SHEET FOR FUEL TANK CALIBRATION & CONSULTANTY

Reference No.: FNK-I/IUL/2022/596

Issued on: 30th November 2022

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

Section I: Specification

Terms of Reference

Fuel Tank Calibration Consultant for FENAKA Corporation Limited for all the fuel storage tanks owned by FENAKA as at 08th December 2022.

1.0 Background

FENAKA Corporation Limited. (FENAKA) is a 100% state owned enterprise formed by a presidential decree on 18th June 2012 with merger of six utility companies. The company was registered as a limited liability company on 01st of August 2012 at Ministry of Economic Development. The company is mandated to provide uninterrupted electricity, water, sewerage services to 154 islands under the jurisdiction of FENAKA Corporation.

Our Vision

Benchmarked utility service provider nation-wide

Our Mission

We intend to provide integrated, sustainable, and reliable eco-friendly services by implementing the finest standards, cutting-edge technology, and use of our skilled expertise up to our stakeholder's satisfaction.

Electricity Services

FENAKA is responsible to provide electricity to residential and business customers stretched across 154 islands, which comprises of 43 percent of the nation's population. Continuous efforts to upgrade existing network and increase the power generation has led to the fulfilment of the government's pledge to provide 24 hours of uninterrupted electricity. Through various projects, the company is seeking to reduce the dependency on fossil fuel for energy generation. FENAKA has installed, maintains, and operates 7487kWp solar energy systems across the operations, and seeking to transform 70 percent of power to be generated from renewable energy sources, through sustainable solutions.

Sewerage Services

At present, sewerage service is not as broad as the provision of electricity, with our operation extending to managing of sewer systems in the 57 islands, establishing and maintenance of 25 sewerage treatment plants (STPs) and contributing to on-going projects sewerage establishment projects. By doing so, FENAKA is contributing to the development and maintenance of sewerage systems across the nation, which is in line with the government pledge to ensure all inhabited islands are equipped with proper sanitation systems.

Water Services

FENAKA is actively contributing to the government's pledge to develop mechanisms of freshwater supply in all inhabited islands, by ensuring a continuous supply of fresh water is being provided to all inhabited communities of the nation. Hence, FENAKA manages the provision and maintenance of water systems in 41 islands, established by government of the Maldives. Out of the 41 islands, 37 islands are equipped with Reverse Osmosis (RO) plants and 16 islands with water purification systems. As additional water systems are being developed across the nation, it is likely expected the water systems operated by FENAKA to increase in near future.

2.0 Scope and Objective of the Work

The professional service and responsibilities of the consultant will include but not limited to the following

(a) Collection of data:

- The consultant shall collect all relevant data from FENAKA relevant to all the Fuel Storage Tanks in Annex 1.
- The Consultant shall provide a particular format to gather data which is required for calibration.
- The consultant shall physically verify the conditions of the storage facilities at least for 5 locations.

(b) Calibration guideline:

- All the fuel tanks in Annex1 shall be calibrated as per the ISO 7507 and ISO 9091 standard set for tanks calibration.

(c) Provide specific recommendations:

- The consultant shall review existing procedures used for fuel measurement.
- Provide recommendations to improve the fuel management.
- Provide specific recommendations for improving Fuel Tank Development.

3.0 Qualification and Experience

Consultant must have previous experience in calibrating fuel storage tanks in past 5 years.

4.0 Deliverables

List of Deliverables (with deadlines) by the consultant is stated below:

4.01 Preliminary Assessment: Proposed travel plan to assess the condition of storage facilities and fuel tanks established shall be shared with FENAKA. The plan shared shall provide detailed travel itinerary, including the date and location to be travelled. For the pilot study, a minimum of five locations operated by FENAKA can be selected. Findings from the assessment of the tanks and review of the existing fuel measurement procedures shall be submitted within **21 days (03 Weeks)** after the effective date of contract.

4.02 Data Collection Plan: Consultant shall propose a data collection format **14 days (02 Weeks)** after completion of preliminary assessment. The proposed format shall be in consistent with conformed ISO standards. FENAKA shall share the computed data **21 days (03 Weeks)** after receiving of the data collection format.

4.03 Tank Calibration Procedure Plan: Methodology presented shall contain step by step detailed calibration procedure for different types of tanks, along with details of equipment to be used in calibration process. Consultant must ensure that for all types of tanks (including but not limited to upright cylindrical tanks and horizontal cylindrical tanks), procedure outlined will result in precise measurements. This shall be presented to FENAKA **14 days (02 Weeks)** after the acknowledgement of receipt of computed data.

4.04 Tank Calibration Plan: Calibration Plan for each individual tank shall be prepared by the consultant and this plan must be shared to FENAKA **14 days (02 Weeks)** after submission of tank calibration procedure plan.

4.05 Recommendations and Delivery of tanks: After the approval of individual tank calibration plans by FENAKA, consultant shall begin the actual process of fuel tank calibrations. After delivering of the agreed product (calibrated fuel tanks) with individual calibration charts, consultant shall present an overview of pre and post calibration results and recommendations on frequency of calibration of tanks, instruction on performance verification and on ways to detect failures in calibrated fuel tanks. Completion of calibrated fuel tanks and recommendations shall be submitted to FENAKA in no more than **28 days (04 Weeks)** after submission of the tank calibration plan.

Section II: Instruction to Bidders

Fenaka Corporation Limited requests quotations for FUEL TANK CALIBRATION & CONSULTANTY in accordance with, *Technical Specifications*.

1.1 Preparation of the Bid

- The unit price of each item and the total price shall be clearly indicated in the quotation
- All items shall be quoted in the bid (please refer to Technical Specifications)
- Quotation shall separately indicate the additional charges such as freight charges and insurance. GST for mentioned charges should be omitted in grand total.
- Quotation shall remain valid for minimum sixty (60) days from the date of bid opening.

1.2 Documents Comprising the Bid

- Quotation (inclusive of the delivery period and payment terms)
- Details of the company
 - Company profile/background
 - Company registration certificate
 - GST registration certificate (for local bidders only)
 - TAX clearance report (6 months validity)
 - Contact details (name, designation, mobile number, and e-mail address)
- Experience letters, if available
 - Letters within past five (5) years
 - Relevant experience letters
 - Letters with project name and value
- One (1) compact disc with original bid document scanned and written. Bids lacking the documents above are subjected to be rejected during the bid opening

1.3 Sealing and Marking Bid Document

The bid document shall be sealed properly in an envelope clearly marked ‘ORIGINAL’ and ‘COPY’, with the name of the company and the tender reference number (FNK-I/IUL/2022/596) on both the original and copy set.

1.4 Bid Opening

- The bids will be opened on 08th December 2022, 10:30am in the presence of bidders
- Bids will be opened at:
 - Fenaka Corporation Limited,

Hilaalee Magu, K. Male', Republic of Maldives

- Bids received electronically will not be accepted

1.5 Bid Rejection

- Bidders that arrive after bid submission deadline shall not be able to participate in the bid
- Bidders that do not register for the tender are unable to participate in the bid opening
- Bids lacking the documents mentioned in 9. Documents Comprising the Bid (except 9.5 Experience letters) and that do not comply with 10. Format of Bid are subjected to be rejected

1.6 Payment Terms

- An advance payment will not be released for this project
- Proposed payment terms should not be tied with submission of Bill of Lading.

Section II: Evaluation Criteria

- **Proposal Cost:** 70 points for the lowest price
 - $(\text{Lowest price} / \text{proposed price}) \times 70$
- **Delivery:** 20 points for the lowest delivery period
 - $(\text{Lowest delivery period} / \text{proposed delivery period}) \times 20$
- **Credit Period:** 10 points for the maximum credit period
 - $(\text{Proposed credit period} / \text{longest credit period}) \times 10$