

Amended



# **INFORMATION SHEET FOR PROCUREMENT OF ENGINE FOR 400kW GENERATOR SET(S)**

**Reference No.: FNK-I/IUL/2022/337**

Issued on 08<sup>th</sup> May 2022

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

## Section I: Instruction to Bidders

A. General	
<b>1. Scope of Bid</b>	<p>1.1 Fenaka Corporation Limited requests quotations for 400kW generator set(s) in accordance with <i>Section III, Technical Specifications</i></p> <p>1.2 It is in Fenaka Corporation Limited's discretion to cancel the bid invitation mentioned in 1.1 at any time.</p>
<b>2. Eligible Participants</b>	<p>2.1 Local companies registered in Maldives are eligible to participate in the tender</p> <p>2.2 Foreign companies are eligible to participate in the tender only if the total bid value is above 2,500,000 Maldivian Rufiyaa.</p>
B. Preparation of the Bid	
<b>3. Bid Prices</b>	<p>3.1 The unit price of each item and the total price shall be clearly indicated in the quotation</p> <p>3.2 All items shall be quoted in the bid (please refer to <i>Section III, Technical Specifications</i> for the details of required items)</p> <p>3.3 Quotation shall separately indicate the additional charges such as freight charges and Insurance.</p> <p>3.4 The bidder shall submit quotation on CIF basis to Male' port</p>
<b>4. Currency</b>	4.1 The bidder shall quote entirely in Maldivian Rufiyaa
<b>5. Alternative Bids</b>	5.1 Bidders can submit a maximum of two (2) options
<b>6. Validity of Bids</b>	6.1 Quotation shall remain valid for minimum sixty (60) days from the date of bid opening
<b>7. Bid Security</b>	<p>7.1 All bids should be accompanied with a bid security of USD 5,000 (Five Thousand US Dollars) or its equivalent in Maldivian Rufiyaa</p> <p>7.2 The bid security should be:</p> <ul style="list-style-type: none"> <li>- Original bank guarantee letter (or)</li> <li>- Bank guaranteed and stamped check (or)</li> <li>- An insurance policy from Maldives Monetary Authority (MMA) registered insurance company</li> </ul> <p>7.3 Any bid not accompanied by a Bid Security shall be rejected during bid opening</p>

	7.4	The bid security must be valid for a minimum of twenty (20) additional days beyond the validity of quotation
<b>8. Technical Compliance</b>	8.1	All relevant information including the brand shall be given to enable technical evaluation of quoted items
	8.2	The documents required for technical evaluation are: <ul style="list-style-type: none"> <li>- Technical data sheets of engine and the alternator</li> <li>- Datasheets specifying cooling system rated at ambient temperature 50°C</li> <li>- Certificate of Authenticity specifying manufacturer/assembler is an OEM or a genuine reputed international engine brand</li> </ul>
	8.3	If the manufacturer or assembler is not the same as the bidder, a document indicating that manufacturer or assembler is willing to sell the generator set to the bidder is required
	8.4	Technical compliance letter will be required to enable technical evaluation
	8.5	If the goods do not comply with the requirements mentioned in <i>Section III, Technical Specifications</i> , the bid will be rejected during evaluation.
	8.6	Generator set should comply with our requirements, if not the bid will be rejected
<b>9. Documents Comprising the Bid</b>	9.1	Quotation (inclusive of the delivery period and payment terms)
	9.2	Specifications of the offered product
	9.3	Certificate of Authenticity specifying that manufacturer / assembler is an OEM of a genuine reputed international engine brand
	9.4	Details of the company <ul style="list-style-type: none"> <li>- Company profile/background</li> <li>- Company registration certificate</li> <li>- GST registration certificate (for local bidders only)</li> <li>- TAX clearance report (6 months validity)</li> <li>- Contact details (name, designation, mobile number and e-mail address)</li> </ul>
	9.5	Experience letters, if available <ul style="list-style-type: none"> <li>- Letters within past five (5) years</li> <li>- Relevant experience letters</li> <li>- Letters with project name and value</li> </ul>

	<p>9.6 One (1) compact disc with original bid document scanned and written</p> <p>9.7 Bids lacking the documents above are subjected to be rejected during the bid opening</p>
<b>10. Format of Bid</b>	<p>10.1 The Bidder shall submit two (2) sets of the bid document (1 original and 1 copy), enclosed separately in two envelopes and sealed with company stamp</p> <p>10.2 All pages of the bid document shall be stamped and bound properly (excluding the bid security)</p>
<b>C. Bid Submission</b>	
<b>11. Sealing and Marking Bid Document</b>	<p>11.1 The bid document shall be sealed properly in an envelope clearly marked 'ORIGINAL' or 'COPY', with the name of the company and the tender reference number (FNK-I/IUL/2022/337)</p>
<b>12. Bid Opening</b>	<p>12.1 The bids will be opened on 18<sup>th</sup> May 2022, 10:00am in the presence of bidders</p> <p>12.2 Bids will be opened at: Fenaka Corporation Limited Hilaalee Magu, K. Male', Republic of Maldives</p> <p>12.3 Bids received electronically will not be accepted</p>
<b>13. Bid Rejection</b>	<p>13.1 Bidders that arrive after bid submission deadline shall not be able to participate in the bid</p> <p>13.2 Bidders that do not register for the tender are unable to participate in the bid opening</p> <p>13.3 Bids lacking the documents mentioned in 9. <i>Documents Comprising the Bid</i> (except 9.5 <i>Experience letters</i>) and that do not comply with 10. <i>Format of Bid</i> are subjected to be rejected</p>
<b>D. Awarding of Contract</b>	
<b>14. Payment Terms</b>	<p>14.1 An advance will not be released for this project</p> <p>14.2 Proposed payment terms should not be tied with submission of Bill of Lading.</p>
<b>15. Factory Acceptance Testing</b>	<p>15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing.</p> <p>15.2 The testing shall be conducted at internationally accepted testing standards</p> <p>15.3 The generator(s) shall be checked for dimension, the supplier shall provide dimension of the generator(s) during the virtual factory acceptance testing.</p>

- 15.4 Generator(s) should be tested to run at 25%, 50%, 75%, 100%, and 110% of rated load and power factor until the engine temperature stabilized for 30 minutes, and should check the protections below:
- Lub oil low level (alarm testing)
  - Lub oil low pressure (alarm testing)
  - Earth fault (alarm testing)
  - Over current (alarm testing)
  - High temperature (alarm testing)
  - Cooling system (alarm testing)
  - High voltage pressure (alarm testing)
  - All the functioning tests and routine tests should be done
- 15.5 All the protections should work properly, it should be examined for oil and coolant leaks, and it should be visually tested and secured
- 15.6 The remote radiator should operate continuously 100% in a 50-degree ambient temperature
- It should be designed with vertical air discharge remote radiator with motor and fan
  - It should include all the generator connection pipes, accessories, joints and diagrams
  - The radiator should be developed remotely from the engine providing an added flexibility cooling system, and to be installed at the desired location
  - It should be designed with lower power consumption, and high efficiency aero foil designed fans are used
  - It must be designed with lower noise levels
  - The radiator core should be formed using high efficiency fin profile
  - The thickness of connection pipes must be in a range of 2mm to 4mm
- 15.7 Recorded video clips while operating the units will not be accepted as virtual factory acceptance testing.

## Section II: Evaluation Criteria

**Proposal Cost:** 60 points for the lowest price

- $(\text{Lowest price} / \text{proposed price}) \times 60$

**Delivery:** 30 points for the lowest delivery period

- $(\text{Lowest delivery period} / \text{proposed delivery period}) \times 30$
- If the delivery period indicates 'ex-stock', it shall be taken same as the party offering the longest delivery period.

**Credit Period:** 10 points for the maximum credit period

- $(\text{Proposed credit period} / \text{longest credit period}) \times 10$

**Note:** Any discrepancy in technical details specified in quotation with technical specification document, the specification shall prevail.

## Section III: Technical Specifications

Description	Quantity
Engine for 400kW Generator Sets.	02

\*Please note that the below specifications are for one unit only.

### Information of Cummins Engine

Cummins KTA38-G2 generator drive new engine with radiator suitable for coupling Stamford alternator model HCI 543D

Cylinder Block: Cast iron 6 Cylinder.

Displacement: 18.9L

Gross Engine output/Speed: 880kW/1180HP/1500rpm

Aspiration: Turbocharged, Aftercooled

Fuel system: Direct injection, EFC governor

Complete with fan drive and fan

Electric system/Starting Voltage: 24V DC

Battery Charging Alternator: 35 Amp

Flywheel Dimensions: SAE 0

Air Cleaner Type: Dry replaceable element with restriction indicator

Fuel Filters: Dual spin-on paper element fuel filters with water separator

Lube Oil Filter: Spin-on full flow filter

(L 2600 X W1344 X H 1773)