



INFORMATION SHEET FOR PROCUREMENT OF RADIATOR FOR 600kW GENERATOR SET

Reference No: FNK-I/IUL/2022/600

Issued on: 06th December 2022

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

Section I: Instruction to Bidders

A. General	
1. Scope of Bid	1.1 Fenaka Corporation Limited requests quotations for a radiator for 600kW generator set in accordance with <i>Section III, Technical Specifications</i>
	1.2 It is in Fenaka Corporation Limited's discretion to cancel this bid invitation at any time.
2. Eligible Participants	2.1 Local companies registered in Maldives are eligible to participate in the tender
	2.2 Foreign companies are eligible to participate in the tender only if the total bid value is above 2,500,000 Maldivian Rufiyaa.
B. Preparation of the Bid	
3. Bid Prices	3.1 The unit price of each item and the total price shall be clearly indicated in the quotation
	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)
	3.3 Quotation shall separately indicate the additional charges such as freight and insurance charges.
	3.4 The bidder shall submit quotation on CIF basis to Male' port
4. Currency	4.1 The bidder shall quote entirely in Maldivian Rufiyaa
5. Alternative Bids	5.1 Bidders can submit a maximum of two (2) options
6. Validity of Bids	6.1 Quotation shall remain valid for minimum sixty (60) days from the date of bid opening
7. Bid Security	7.1 All bids should be accompanied with a bid security of USD 2,000 (One Thousand US Dollars) or its equivalent in Maldivian Rufiyaa
	7.2 The bid security should be: <ul style="list-style-type: none"> - Original bank guarantee letter (or) - Bank guaranteed and stamped check (or) - An insurance policy from Maldives Monetary Authority (MMA) registered insurance company
	7.3 Any bid not accompanied by a Bid Security shall be rejected during bid opening

	7.4	The bid security must be valid for a minimum of twenty (20) additional days beyond the validity of quotation
8. Technical Compliance	8.1	All relevant information including the brand shall be given to enable technical evaluation of quoted items
	8.2	If the manufacturer or assembler is not the same as the bidder, a document indicating that manufacturer or assembler is willing to sell the item to the bidder is required
	8.3	Manufacturer's Authorization letter will be required to enable technical evaluation
	8.4	If the goods do not comply with the requirements mentioned in <i>Section III, Technical Specifications</i> , the bid will be rejected during evaluation.
9. Documents Comprising the Bid	9.1	Quotation (inclusive of the delivery period and payment terms)
	9.2	Manufacturer's data sheet and Specifications of the offered product
	9.3	Engineering drawing of the offered product(s)
	9.4	Details of the company <ul style="list-style-type: none"> - 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)
	9.5	Experience letters, if available <ul style="list-style-type: none"> - Letters within past five (5) years - Relevant experience letters - Letters with project name and value
	9.6	One (1) compact disc with original bid document scanned and written
	9.7	Bids lacking the documents above are subjected to be rejected during the bid opening
10. Format of Bid	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
	10.2	All pages of the bid document shall be stamped and bound properly (excluding the bid security)

C. Bid Submission	
11. Sealing and Marking Bid Document	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/2022/600)
12. Bid Opening	12.1 The bids will be opened on <u>15th December 2022 1000hrs</u> in the presence of bidders 12.2 Bids will be opened at: Fenaka Corporation Limited Hilaalee Magu, K. Male’, Republic of Maldives 12.3 Bids received electronically will not be accepted
13. Bid Rejection	13.1 Fenaka Corporation Limited shall not consider any bidders that arrive after the deadline for submission 13.2 Bidders that do not register for the tender are unable to participate in the bid opening 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
D. Awarding of Contract	
14. Payment Terms	14.1 An advance payment will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading.
15. Factory Acceptance Testing	15.1 The radiator(s) shall be fully tested at the manufacturer workshop in the presence of Client’s appointees 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The radiators(s) shall undergo protection testing and operation testing 15.4 The radiators(s) shall be checked for dimension and the supplier shall provide the dimensions of the radiator(s) during the virtual factory acceptance testing. 15.5 Two (2) engineers from Fenaka Corporation Limited shall carry out necessary inspection and testing of equipment prior to shipment in supplier’s warehouse to validate the items.

15.6	The bidder shall arrange airfare, transportation, stipend (as per the Client's policy), accommodation and lodging for two of Client's engineers for the testing (minimum two days for testing)
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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

- $(\text{Lowest delivery period} / \text{proposed delivery period}) \times 20$
- 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
Radiator for 600kW Generator Set	01

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

TECHNICAL SPECIFICATION SHEET

1. REMOTE RADIATOR OUT DOOR TYPE

The cooling equipment of comprising a heavy-duty tropical and vertical air flow remote radiator, with fans driven by Electric Motor (ABB or equivalent).standard IP 55. With VFD control)

The radiator core should be electroplated with silver solder tin plated to prevent early failure due to corrosion. Coupon plated radiators are acceptable.

The remote radiator must be designed and sized to adequately cool the proposed engine generator set at ambient temperature of 50degree Celsius. And it must be not less than 4 numbers fan. Motor 7.5 hp) weather proof coated. The distance between generator and radiator is less than 10meter.

All the installation accessories must be BS standard include (seamless pipes, gate valves, bolt, flange .expansion tank, Gauges etc.) The generator should be continues running 100 percent load in 50 degree ambient temperature.

It will be connected CUMMINS KTA38-G5

A Remote Radiator designed to adequately cool the generator at an ambient temperature of 50°C meeting the specification below.

Temperature in (°C)	96 - 98
Temperature out (°C)	80 - 85
Maximum Work Pressure (Bar)	1
Ambient Temperature (°C)	50
Air (Cold medium) outlet temperature (°C)	50
Radiator Fan Speed (RPM)	1200 - 1500
Fan motor specification	400V, 3phase, 4P, protection IP 55
Paint Grade	C4/C5, marine grade

The radiator shall be provided with all necessary pipes and fittings required for installation