



INFORMATION SHEET FOR PROCUREMENT OF TRANSFORMERS

Reference No: FNK-I/IUL/2021/221

Issued on: 11th May 2021

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

Section I: Instruction to Bidders

A. General	
1. Scope of Bid	<p>1.1 Fenaka Corporation Limited requests quotations for transformer in accordance with <i>Section III, Technical Specifications</i></p> <p>1.2 It is in Fenaka Corporation Limited's discretion to cancel this bid invitation at any time.</p>
2. Eligible Participants	<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	
3. Bid Prices	<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, insurance, etc.</p> <p>3.4 The bidder shall submit quotation on CIF basis to Male' port</p>
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	<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"> - Original bank guarantee letter (or) - Bank guaranteed and stamped check (or)

	<p>- An insurance policy from Maldives Monetary Authority (MMA) registered insurance company</p> <p>7.3 Any bid not accompanied by a Bid Security shall be rejected during bid opening</p> <p>7.4 The bid security must be valid for a minimum of twenty (20) additional days beyond the validity of quotation</p>
8. Technical Compliance	<p>8.1 All relevant information including the brand shall be given to enable technical evaluation of quoted items</p> <p>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 generator set to the bidder is required</p> <p>8.3 Technical compliance letter will be required to enable technical evaluation</p> <p>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.</p>
9. Documents Comprising the Bid	<p>9.1 Quotation (inclusive of the delivery period and payment terms)</p> <p>9.2 Specifications of the offered product</p> <p>9.3 Single-line diagram of engine panel system</p> <p>9.4 Details of the company</p> <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) <p>9.5 Experience letters, if available</p> <ul style="list-style-type: none"> - Letters within past five (5) years - Relevant experience letters - Letters with project name and value

	<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>
10. Format of Bid	<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>
C. Bid Submission	
11. Sealing and Marking Bid Document	<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/2021/221)</p>
12. Bid Opening	<p>12.1 The bids will be opened on 26th May 2021, 1100hrs 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>
13. Bid Rejection	<p>13.1 Fenaka Corporation Limited shall not consider any bidders that arrive after the deadline for submission</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>
D. Awarding of Contract	
14. Payment Terms	<p>14.1 An advance payment will not be released for this project</p>

<p>15. Factory Acceptance Testing</p>	<p>15.1 Supplied items 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 items shall undergo protection testing and operation testing</p> <p>15.4 The items shall be checked for dimension and the supplier shall provide the dimensions of the panel during the virtual factory acceptance testing.</p> <p>15.5 Video recorded while operating the units will not be accepted as virtual factory acceptance testing.</p>
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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

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

Section III: Technical Specifications

(Specification provided is for one unit)

Description	Quantity
1500 KVA Step Down Transformer	01

Specification for Step-Up Transformer 1500 kVA Power Transformer

3 Phase 50 Hz 1500 kVA Ynd1, core type double wound with copper conductor mineral oil immersed ONAN cooled power transformer with the corrugated tank and conservator arrangement having a no load voltage ratio of 0.415/11 KV. Tappings +5% to -5% in steps of 2.5% shall be provided at line end of HV winding. Changing of taps shall be carried out by means of OFF load Tap Changer. Temperature rise shall be 50/60 °C in oil / winding respectively over a maximum ambient of 40 °C.

Transformer shall have metal cover for termination area with lifting eye.

The transformer shall be manufactured as per latest IEC, conforming to following parameters:

- HV Insulation level 12 Kv.
- Power Frequency 28 Kv r.m.s
- Basic impulse level 75 Kv – Peak.
- Hermetically sealed, without gas cushion.

Dial Type thermometer with contacts and control box for relays.

Oil level indicator and pressure relief valve and oil drain valve.

Paint class: for extreme weather conditions, salty, hot and humid environment.

Relevant testing standards: IEC / BS Standards.

- 1Nos x Free standing **Air Circuit Breaker Panel** consisting of
 - 1Nos x 3000A TPN motorized Air Circuit Breaker (brand: Schneider, ABB or equivalent), rated at 600/1000V complete with 240 Volt under Voltage Trip Coil and auxiliary switches.
 - 4000A TPN Tin/Copper coated copper busbar suitably braced for 30-80kA one second fault ratings.
 - Indicating Lights
 - 1 set x indicating lights for incoming (R,Y,B)
 - 1 set x indicating lights for outgoing (R,Y,B)
 - ACB ON/OFF LED Indicators (Red/Green)
 - Measuring and Protection Devices
 - 1 nos x Overcurrent Relay, brand : Delab or equivalent
 - 1 nos x Earth Leakage Relay, brand : Delab or equivalent
 - 3 nos x Analogue Ampere Meters 0-3000A (one for each phase –R,Y,B)
 - Multifunctional Digital meter capable of measuring
 - Voltage (0-500V) – shall display Line-to-Line and Line-to-neutral voltages
 - Phase Ampere (0-3000A) – shall measure the phase currents.
 - Frequency (40- 65Hz) – generator frequency measurement
 - Power, kW– shall display power of L1, L2, L3 and total power
 - Power factor, shall display p.f of L1, L2, L3 and average
 - 2Nos x 4 Way Terminal blocks for 630sqmm Cable (incoming and outgoing)
 - Enclosure: Free standing manufactured using high quality galvanised MS Plates powder coated with epoxy resin to withstand high saline and high temperature weather conditions. Enclosure shall be of Bottom cable entry type.
- The panel dimensions shall meet or be similar to the given minimum dimensions (2055 X 660 X 880 mm)
- Busbar shall be arranged at the back of the cubicles and must be made of hard drain high conductivity copper which meets with relevant BS and IEC Standard
- The panel shall be manufactured using high quality electro galvanized MS plates of atleast 1.6mm thickness, treated and powder coated upto 80 micron or higher.
- The panel internal wiring shall be wired using 2.5sqmm thick flexible copper cables. All the wires shall be properly labelled and terminated with suitable terminal.
- Components such as relays, isolators, switches ,meters and instruments shall be from reputable brands and shall fully comply with relevant international standards.