

INFORMATION SHEET FOR PROCUREMENT OF TRANSFORMERS

Reference No: FNK-I/IUL/2021/225

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 | 1.1 | Fenaka Corporation Limited requests quotations for 03 nos | | |
| | | 500KVA transformer with Three-way Ring Main Unit and | | |
| | | Separate LV Panel in accordance with Section III, Technical | | |
| | | Specifications | | |
| | 1.2 | It is in Fenaka Corporation Limited's discretion to cancel this bid | | |
| | | invitation at any time. | | |
| 2. Eligible | 2.1 | Local companies registered in Maldives are eligible to participate | | |
| Participants | | 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 Section III, | | |
| | | Technical Specifications for the details of required items) | | |
| | 3.3 | Quotation shall separately indicate the additional charges such as | | |
| | | freight charges, insurance, etc. | | |
| | 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 | 5.1 | Bidders can submit a maximum of two (2) options | | |
| Bids | | | | |
| 6. Validity of | 6.1 | Quotation shall remain valid for minimum sixty (60) days from | | |
| Bids | | the date of bid opening | | |
| 7. Bid Security | 7.1 | All bids should be accompanied with a bid security of USD | | |
| | | | | |
| | | 15,000 (Fifteen Thousand US Dollars) or its equivalent in | | |
| | | 15,000 (Fifteen Thousand US Dollars) or its equivalent in Maldivian Rufiyaa | | |

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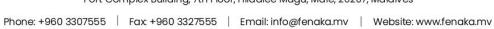






| | | - Original bank guarantee letter (or) |
|--------------|-----|---|
| | | - Bank guaranteed and stamped check (or) |
| | | - An insurance policy from Maldives Monetary Authority |
| | | (MMA) registered insurance company |
| | 7.3 | Any bid not accompanied by a Bid Security shall be rejected |
| | | 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 | 8.1 | All relevant information including the brand shall be given to |
| Compliance | | 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 generator set to the bidder is required |
| | 8.3 | Technical compliance letter will be required to enable technical |
| | | evaluation |
| | 8.4 | If the goods do not comply with the requirements mentioned in |
| | | Section III, Technical Specifications, the bid will be rejected |
| | | during evaluation. |
| 9. Documents | 9.1 | Quotation (inclusive of the delivery period and payment terms) |
| Comprising | 9.2 | Specifications of the offered product |
| the Bid | 9.3 | Single-line diagram of engine panel system |
| | 9.4 | 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) |
| | 9.5 | Experience letters, if available |
| | | - Letters within past five (5) years |
| | • | |

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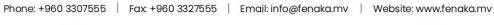




| | | - Relevant experience letters | | |
|-----------------|-------------------------|---|--|--|
| | | - Letters with project name and value | | |
| | 9.6 | One (1) compact disc with original bid document scanned and | | |
| | | written | | |
| | 9.7 | Bids lacking the documents above are subjected to be rejected | | |
| | | during the bid opening | | |
| 10. Format of | 10.1 | The Bidder shall submit two (2) sets of the bid document (1 | | |
| Bid | | 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 Submis | ssion | Frequency (minutes) | | |
| | ı | The hid decomment shall be easied assessing in an angular a clearly | | |
| 11. Sealing and | 11.1 | The bid document shall be sealed properly in an envelope clearly | | |
| Marking Bid | | marked 'ORIGINAL' or 'COPY', with the name of the company | | |
| Document | | and the tender reference number (FNK-I/IUL/2021/225) | | |
| 12. Bid Opening | 12.1 | The bids will be opened on 27 th May 2021, 1200hrs 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 | 13.1 | Fenaka Corporation Limited shall not consider any bidders that | | |
| Rejection | | 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. Documents | | |
| | | Comprising the Bid (except 9.5 Experience letters) and that do not | | |
| | | comply with 10. Format of Bid are subjected to be rejected | | |
| D. Awarding | D. Awarding of Contract | | | |

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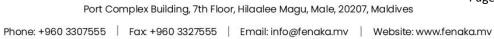






| 14. Payment | 14.1 | An advance payment will not be released for this project |
|-------------|------|--|
| Terms | | |
| 15. Factory | 15.1 | Supplied items shall be fully tested at the manufacturer workshop |
| Acceptance | | in the presence of Client's appointees via video conferencing |
| Testing | 15.2 | The testing shall be conducted at internationally accepted testing |
| | | standards |
| | 15.3 | The items shall undergo protection testing and operation testing |
| | 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. |
| | 15.5 | Video recorded while operating the units will not be accepted as |
| | | virtual factory acceptance testing. |

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Section II: Evaluation Criteria

Proposal Cost: 70 points for the lowest price

- (Lowest price / proposed price) x 70

Delivery: 20 points for the lowest delivery period

- (Lowest delivery period / proposed delivery period) x 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

- (Proposed credit period / longest credit period) x 10















Section III: Technical Specifications

(Specification provided is for one unit)

| Description | Quantity |
|--|----------|
| 500kVA STEP-DOWN TRANSFORMER (11/.415kV) | 03 |

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500 kVA, STEP DOWN TRANSFORMER WITH RMU ,AND LV PENAL, INFORMATION

Transformer with RMU and LV Panel. Designed for weather condition, salty, hot and humid environment.

- a) 1Nos x 3 Way Non Extensible Unit with 2 Nos. Isolators as Incomers and 1 No. Circuit Breaker as Outgoing to 630kVA Transformer (equivalent to TYPE Ringmaster: MerlinGerin RM6 NE-IIDI) motorized with UVT.
 - 3 Way, 11kV, indoor non extensible free standing metal clad SF6 insulated ring main unit compromising of two numbers 630A fault making/ load breaking switches and one number 200A tee-off circuit breakers complete with all accessories as listed below:
 - IDMT RELAY for Circuit Breakers Self Powered, Merlin Gerin type VIP35 OR Equivalent
 - The Ring Switches and Tee –Off Circuit Breaker are provided with Integrated Earthing Switches with Making Capacity
 - Neon cable indicator for ring switches
 - · Integral earthing facility for ring switches
 - Shunt trip coil rated for 230V AC
 - Trip push button for T-off circuit breaker
 - SF6 Gas pressure indicator
 - Padlocking facility

b) 1 No x Transformer 11kV/415V, 500kVA

- 3 phase 50Hz 500 kVA Dyn11, core type double wound with copper conductor
 oil immersed ONAN cooled, hermetically sealed distribution transformer with
 corrugated tank &conservator arrangement having a no load voltage ratio of
 11/0.433 KV. Tappings +5% to -5% in steps of 2.5% shall be provided at line end f
 HV winding. Changing of taps shall be carried out by means of OFF Load Tap
 Changer.
- Temperature rise shall be 45/50 °C in oil/winding respectively over a maximum ambient of 50°C. The transformer shall be manufactured as per latest IEC.
- HV Insulation Level 12kV
- Power frequency 28kV. r.m.s.
- Basic Impulse Level 75kV. Peak.
- Impedance % at 75°C 4.75%
- HV/LV Connection Delta/ Star N. pt
- With level indicator and pressure relief valve
- Insulating Liquid Type Oil to B.S. 148: 1998. Hermetically sealed.

c) LV Panel, 1 set of 415V, 1200A PVC sleeved Cu bus bars.

With measuring, indication and protection.

Incoming

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Port Complex Building, 7th Floor, Hilaalee Magu, Male, 20207, Maldives













1000A ACB main circuit breaker

Outgoing

- 2Nos x Outgoing feeder with 250A MCCB
- 2Nos x Outgoing feeder with 400A MCCB
- 2Nos x Outgoing feeder with 600A MCCB

(Rated current shall be adjustable from 50 to 100%); with ELR, Amp meter & selector switch.

- Bottom entry Cable Termination arrangement.
- Complete with nuts and bolts to connect LV cables.

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