

# INFORMATION SHEET for PROCUREMENT of 800KVA TRANSFORMERS WITH RING MAIN UNIT AND LV PANEL

Reference No: FNK-I/IUL/2021/353

Issued on: 02<sup>nd</sup> September 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 800KVA		
		(Step Down) Transformers with RMU and 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		
Participants		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 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 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		
		5,000 (Five Thousand US Dollars) or its equivalent in		
	l			
		Maldivian Rufiyaa		
	7.2	Maldivian Rufiyaa  The bid security should be:		
	7.2	•		

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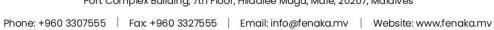






		- An insurance policy from Maldives Monetary Authority
		(MMA) registered insurance company
	7.3	Any bid not accompanied by a Bid Security shall be rejected
		during bid opening
	7.4	The bid security must be valid for a minimum of twenty (20)
		additional days beyond the validity of quotation
8. Technical	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 item(s) 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
		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 the	9.2	Specifications of the offered product
Bid	9.3	Single-line diagram of offered product
	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-
		- Contact details (name, designation, mobile number, and e-mail address)
	9.5	
	9.5	mail address)
	9.5	mail address) Experience letters, if available

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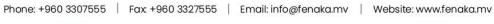




	9.6	One (1) compact disc with original bid document scanned and			
		written			
	9.7	Bids lacking the documents above are subjected to be rejected			
		during the bid opening			
10. Format of Bid	10.1	The Bidder shall submit two (2) sets of the bid document (1			
		original and 1 copy), enclosed separately 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 Submiss	C. Bid Submission				
11. Sealing and	11.1	The bid document shall be sealed properly in an envelope			
Marking Bid		clearly marked 'ORIGINAL' or 'COPY', with the name of the			
Document		company and the tender reference number			
		(FNK-I/IUL/2021/353)			
12. Bid Opening	12.1	The bids will be opened on 14 <sup>th</sup> September 2021, 1130hrs 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. 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 of	Contr	ract			
14. Payment	14.1	An advance payment will not be released for this project			
Terms					

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15. Factory	15.1	The transformer(s) shall be fully tested at the manufacturer
Acceptance		workshop in the presence of Client's appointees via video
Testing		conferencing
	15.2	The testing shall be conducted at internationally accepted
		testing standards
	15.3	The transformer(s) shall undergo protection testing and
		operation testing
	15.4	The transformer(s) shall be checked for dimension and the
		supplier shall provide the dimensions of the transformer(s)
		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

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

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# **Section III: Technical Specifications**

Description	Quantity
800KVA (Step Down) Transformers with RMU and LV Panel	02

(Specification provided is for one unit)

# 800 kVA, STEP DOWN TRANSFORMER, WITH RMU AND LV PENAL INFORMATION

RMU, Transformer and LV Panel. Designed for extreme 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 800kVA 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, 800kVA

- 3 phase 50Hz 800 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.

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- c) LV Panel, 1 set of 415V, 1200A PVC sleeved Cu bus bars.
  - With measuring, indication and protection.

### Incoming

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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