

# INFORMATION SHEET for PROCUREMENT of 800KVA TRANSFORMER with LV PANEL and 3-WAY RING MAIN UNIT

Reference No: FNK-I/IUL/2021/360

Issued on: 06th September 2021

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

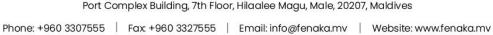




# **Section I: Instruction to Bidders**

A. General				
1. Scope of Bid	1.1	Fenaka Corporation Limited requests quotations for 800KVA		
		(Step-Down) transformer with LV panel & 3-Way RMU 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 the		
Bids		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 Maldivian Rufiyaa		
	7.2	The bid security should be:		
		- Original bank guarantee letter (or)		
		- Bank guaranteed and stamped check (or)		

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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
8.1	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(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.
9.1	Quotation (inclusive of the delivery period and payment terms)
9.2	Specifications of the offered product
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-mail
	address)
9.5	Experience letters, if available
	- Letters within past five (5) years
	- Relevant experience letters
	- Letters with project name and value
	7.4 8.1 8.2 8.3 8.4 9.1 9.2 9.3 9.4

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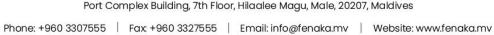






	9.6	One (1) compact disc with original bid document scanned and			
		written			
	9.7	Bids lacking the documents above are subjected to be rejected			
		during the bid opening			
10. Format of	10.1	The Bidder shall submit two (2) sets of the bid document (1 original			
Bid		and 1 copy), enclosed separately 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 Submi	C. Bid Submission				
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/2021/360)			
12. Bid Opening	12.1	The bids will be opened on 19 <sup>th</sup> September 2021, 1030hrs 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. <i>Documents Comprising</i>			
		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 Cor	ntract			
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.

## **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

<u>Note</u>: 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 Transformer with LV panel & 3 Way RMU	01

### 800 kVA Step-Down Transformer with Separate LV panel & 3 Way RMU

### Climatic Conditions

Materials supplied shall be suitable for operating under the following climatic conditions

Climate: Typical tropical coast line.

Atmosphere: Saliferous, corrosive and dusty. Altitude: 2 meter above mean sea water level.

Temperature: 32 °C (mean maximum) 25 °C (mean minimum).

Barometric air pressure: 1010 millibars.

Relative humidity: 90%.

Average rainfall: 145 days/year. Average sunshine: 24 days/month. Mean wind speed: 10.8 knots. Maximum wind speed: 15.1 knots.

### A) Step-Down Transformer 11kV/415V, 800kVA

3 phase 50Hz 800kVA Dyn11, core type double wound with copper conductor, mineral oil immersed ONAN cooled distribution transformer with corrugated tank or conservator arrangement having a noload voltage ratio of 11/0.433 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. The transformer shall be manufactured as per latest IEC.

HV Insulation Level 12kV

Power frequency 28kV. r.m.s.

Basic Impulse Level 75kV. Peak.

HV/LV Connection Delta/Star N. pt

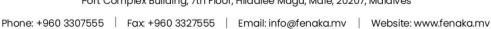
Dial type thermometer with contacts and control box for relays.

level indicator and pressure relief valve and oil drain valve.

Hermetically sealed without gas cushion.

Relevant testing standards: IEC / BS standards.

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### B) Separate LV Panel for Transformer

Free standing LV Panel with 1500A, PVC sleeved Cu busbar, complete with measuring, indication and protection (ELR).

### Incoming

1 Nos x 1200A ACB motorized - main circuit breaker

### Outgoing

- 6 Nos x Outgoing feeder with 400A MCCB 2 Nos x Outgoing feeder with 300A MCCB
- Bottom entry Cable Termination arrangement.
- Complete with nuts and bolts to connect LV cables.

C) 1Nos x 3 Way Non Extensible Unit with 2 Nos. Isolators as Incomers and 1 No. Circuit Breaker as Outgoing to 800kVA Transformer ( (TYPE Ringmaster : Merlin Gerin RM6 NE- IDI or equivalent )

3 Way, 11kV, indoor extensible free standing metal clad SF6 insulated ring main unit compromising of three numbers 630A fault making/load breaking switches and one number 200A tee-off circuit breakers complete with all necessary measurement and protection devices.



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