

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	1.1	Fenaka Corporation Limited requests quotations for transformer		
		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 5,000		
		(Five Thousand US Dollars) or its equivalent in Maldivian		
		Rufiyaa		
	7.2	The bid security should be:		
		- Original bank guarantee letter (or)		

Page 2 of 9







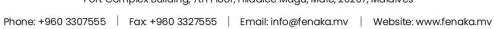






		- An insurance policy from Maldives Monetary Authority
		(MMA) registered insurance company
	7.3	Any bid not accompanied by a Bid Security shall be rejected
		during bid opening
	7.4	The bid security must be valid for a minimum of twenty (20)
		additional days beyond the validity of quotation
8. Technical	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
		- Relevant experience letters
		- Letters with project name and value

Page 3 of 9











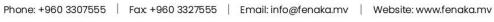




	9.6	One (1) compact disc with original bid document scanned and			
		written			
	9.7	Bids lacking the documents above are subjected to be rejected			
		during the bid opening			
10. Format of	10.1	The Bidder shall submit two (2) sets of the bid document (1			
Bid		original and 1 copy), enclosed separately 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	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/2021/221)			
12. Bid Opening	12.1	The bids will be opened on 26th May 2021, 1100hrs 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 of Contract					
14. Payment	14.1	An advance payment will not be released for this project			
Terms					

Page 4 of 9

















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.

Page 5 of 9











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
1500 KVA Step Down Transformer	01

Page 7 of 9













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.

Page 8 of 9













- 1Nos x Free standing <u>Air Circuit Breaker Panel</u> 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)
 - o ACB ON/OFF LED Indicators (Red/Green)
- Measuring and Protection Devices
 - 1 nos x Overcurrent Relay, brand : Delab or equivalent
 - o 1 nos x Earth Leakage Relay, brand : Delab or equivalent
 - o 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.

Page 9 of 9









