

INFORMATION SHEET FOR PROCUREMENT OF GENERATOR SYNCHRONZING PANEL

Reference No.: FNK-I/IUL/2022/575

Issued on: 08th November 2022

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 Synchronizing panel in		
		accordance with Section III, Technical Specifications		
2. Eligible	2.1	Local companies registered in Maldives are eligible to participate in the tender		
Participants	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 and insurance. GST for mentioned charges should be omitted in grand		
		total.		
	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 date of bid		
Bids		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)		
		- 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		

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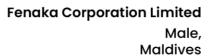
















	7.4	The bid security must be valid for a minimum of twenty (20) additional days
		beyond the validity of quotation
8. Technical	8.1	All relevant information including the brand shall be given to enable technical
Compliance		evaluation of quoted items
	8.2	If the manufacturer or assembler is not the same as the bidder, a document
		indicating that manufacturer or assembler is willing to sell the item 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	9.2	Specifications of the offered product
the Bid	9.3	Single-line diagram
	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
	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 and 1
Bid		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)
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C. Bid Submission				
11. Sealing and	11.1	The bid document shall be sealed properly in an envelope clearly marked		
Marking Bid		'ORIGINAL' or 'COPY', with the name of the company and the tender		
Document		reference number (FNK-I/IUL/2022/575)		
12. Bid Opening	12.1	The bids will be opened on 17 th November 2022, 10:30 am 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	Bidders that arrive after bid submission deadline shall not be able to		
		participate in the bid		
	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	14.2	Proposed payment terms should not be tied with submission of Bill of Lading.		
15. Factory	15.1	The panel(s) shall be fully tested at the manufacturer workshop in the presence		
Acceptance		of Client's appointees via video conferencing		
Testing	15.2	The testing shall be conducted at internationally accepted testing standards		
	15.3	The panel(s) shall undergo protection testing and operation testing		
	15.4	The panel(s) shall be checked for dimension and the supplier shall provide the		
		dimensions of the panel(s) during the virtual factory acceptance testing.		
	15.5	Recorded video clips 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 pricess

(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.















Section III: Technical Specifications

Supply of Generator Synchronizing Panel Board (R.Maduhvaree)

Technical Specification

Free Standing Synchronizing Panel complete with the following

A) 4 Nos x Generator cubicles (size: minimum $H2100 \times W660 \times D900mm$) powder coated, anti-corrosive enclosure with cable bottom entry type. Each complete with;

- 1 Nos 2000A, 3Pole, ACB, motorized with UVT 220Vac Coil, Brand: Merlin Gerin or equivalent.
- 1 Nos x Tin/Zinc coated copper bus bar, 6000A
- 1 Nos x Synchronizing and load share module; DEEP SEA 8610
- 3 Nos x Amp Meter (0-2000A), Analog (Rudolf or equivalent)
- 1 Nos x Volt Meter c/w selector switch , Analog (Rudolf or equivalent)
- 1 Nos x Frequency Meter (0-55Hz), Analog (Rudolf or equivalent)
- 1 Nos x kW Meter, Analog (Rudolf or equivalent)
- 1 Nos x kWh Meter, Analog (Rudolf or equivalent)
- 1 Nos x Over current Relay
- 1 Nos x Over Earth Fault Relay
- 1 Lot x Protection and metering CT's, sets of relays, fuses
- 1 Lot x RPM meter, Run hour meter, DC Voltmeter and DC Ammeter
- 1 set x ACB ON/OFF indicator lights and generator incoming lights
- 1 No x Battery charger, 24V 5A
- 1 Lot x Flexible cable internal wiring, to wire relays, timer and control circuitry, c/w labelling.

B) 2 Nos, Transformer Feeder Cubicle (size: minimum 2100x660x900mm) powder coated anticorrosive enclosure with cable bottom entry, complete with;

- ACB, 3Pole, 3000A, motorized. Make: Schneider, ABB or Terasaki.
- Busbar rating, 6000A, Copper, tin/zinc coated
- Breaker ON/OFF control with push button, with indicating lights
- Analog Amp meter (0-2000A) for R,Y,B
- Digital multifunction power meter
- Over current protection relay and earth fault protection relay
- 1 Lot flexible power cable with termination
- 1 Lot control cable with internal wiring, termination and labelling

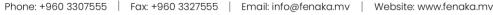
 C) 1 Nos x Feeder Cubicle (size: minimum 2100x660x900mm) powder coated anti-corrosive enclosure with cable bottom entry type, complete with;

- 4 Nos x 400A, 3Pole, MCCB with shunt trip-coil, volt:220V
- 1 Nos x 630A, 3Pole, MCCB with shunt trip-coil, volt: 220V









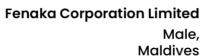
















- 4 Nos x 250A, 3Pole, MCCB with shunt trip-coil, volt: 220V
- 1 Nos x 100A, 3Pole, MCCB with shunt trip-coil, volt: 220V (with kWh meter)
- 10 Nos x Earth leakage relays
- 10 Nos x Ammeter (0-630A) with selector switch
- 10 Nos x 4Pole Terminal Block
- 1 Lot x Protection and measuring CTs
- 1 Lot x Flexible power cable with termination and labelling
- 1 Lot x Control Cable, internal wiring
- Note: All MCCBs make: Schneider, ABB, Terasaki or equivalent



WINNER













- 1. The panel dimensions shall meet or be similar to the given minimum dimensions for each cubicle (H 2100 X W 660 X D 900mm) to allow same panel to be upgraded to larger size generator in future.
- 2. Bus bar shall be arranged to fit the full length of the panel board including the feeder
- Panel shall be designed in such way that it could be transported to the islands in separate cubicles as there won't be any lifting mechanism if the whole panel set is sent to the island as a single object
- 4. The generator controller shall be DEEPSEA brand and model DSE8610 can be replaced with a superior model only. The supplier shall provide the manufacturer's authorization to confirm the origin of the controller
- The panel shall be manufactured using high quality electro galvanized MS plates, treated and powder coated upto 80 micron or higher
- The thickness of the metal sheet shall be at least 1.2mm, and other plates shall be 1 mm. The thickness of the main frame shall not be less than 1.5 mm
- Bus bar to breaker connections shall use tin plated copper bus bars
- 8. Main bus bar shall tin plated, and rated 8000 amps, and copper content shall meet the relevant IEC and BS standards
- 9. 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
- 10. The relays, battery charges, and meters shall be from reputable brands and the drawings and technical specification must be provided with the bid documents
- 11. Free technical support shall be provided during installation, and training for engineers must be given to install the panels
- 12. A single line diagram must be provided together with technical specification of the main components of the panel
- 13. Stainless steel bolts and nuts must be provided to connect the outgoing feeder cables
- 14. The ACB's must be draw out type
- 15. A battery charger must be installed for every engine, inside the engine control panel















