

## INFORMATION SHEET FOR PROCUREMENT OF GENERATOR SET

Reference No.: FNK-I/IUL/2021/198

Issued on 28th April 2021

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

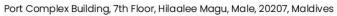




## **Section I: Instruction to Bidders**

A. General				
1. Scope of Bid	1.1	Fenaka Corporation Limited requests quotations for generator		
		sets in accordance with Section III, Technical Specifications		
	1.2	It is in Fenaka Corporation Limited's discretion to cancel the		
		bid invitation mentioned in 1.1 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 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		
		3,000 (Three 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	7.3	Any bid not accompanied by a Bid Security shall be rejected
		during bid opening
7	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	8.2	The documents required for technical evaluation are:
		- Technical data sheets of engine and the alternator
		- Datasheets specifying cooling system rated at ambient
		temperature 50°C
		- Certificate of Authenticity specifying
		manufacturer/assembler is an OEM or a genuine reputed
		international engine brand
8	8.3	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	8.4	Technical compliance letter will be required to enable technical
		evaluation
8	8.5	If the goods do not comply with the requirements mentioned in
		Section III, Technical Specifications, the bid will be rejected
		during evaluation.
8	8.6	Generator set should comply with our requirements, if not the
		bid will be rejected
9	9.1	Quotation (inclusive of the delivery period and payment terms)
g	9.2	Specifications of the offered product

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9. Documents	9.3	Certificate of Authenticity specifying that manufacturer /			
<b>Comprising the</b>		assembler is an OEM of a genuine reputed international engine			
Bid		brand			
	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 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 Submissio	n				
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/2021/198)			

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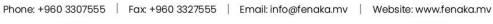




12. Bid Opening	2. Bid Opening 12.1 The bids will be opened on 19 <sup>th</sup> May 2021, 11:00am				
		presence of bidders			
	12.2	Bids will be opened at:			
		Fenaka Corporation Limited			
		Hilaalee Magu, K. Male', Republic of Maldives			
	12.3	Bids received electronically will not be accepted			
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 Terms	14.1	An advance will not be released for this project			
	14.2	5% retention will be released 01 month after expiry of the warranty			
		period and after issuing of certificate of completion.			
	14.3	All necessary repairs shall be done to the satisfaction of the Client's			
		consultant or engineers before this payment is released.			
15. Factory	15.1	The generator 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 generator shall be checked for dimension, the supplier shall			
		provide that dimensions of the panel during the virtual factory			
		acceptance testing.			
	15.4	Generator should be tested to run at 25%, 50%, 75%, 100%, and			
		110% of rated load and power factor until the engine			
		temperature stabilized for 30 minutes, and should check the			
		protections below:			

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















- Lub oil low level (alarm testing)
- Lub oil low pressure (alarm testing)
- Earth fault (alarm testing)
- Over current (alarm testing)
- High temperature (alarm testing)
- Cooling system (alarm testing)
- High voltage pressure (alarm testing)
- All the functioning tests and routine tests should be done
- All the protections should work properly, it should be examined for oil and coolant leaks, and it should be visually tested and secured
- The remote radiator should operate continuously 100% in a 50degree ambient temperature
  - It should be designed with vertical air discharge remote radiator with motor and fan
  - It should include all the generator connection pipes, accessories, joints and diagrams
  - The radiator should be developed remotely from the engine providing an added flexibility cooling system, and to be installed at the desired location
  - It should be designed with lower power consumption, and high efficiency aero foil designed fans are used
  - It must be designed with lower noise levels
  - The radiator core should be formed using high efficiency fin profile
  - The thickness of connection pipes must be in a range of 2mm to 4mm

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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**

Description	Quantity
200kW Generator Set (without Dynamo)	03

<sup>\*</sup>Please note that the below specifications are for one unit only.

#	Description	Unit	Qty
1	Cummins NTA855-GA, Generator Drive Engine, Rated output: 231kW/310HP/1500rpm, Torque/Rated output: 1471Nm/1500rpm, Aspiration: Turbocharged Fuel system: PT Pump Direct Injection The engine shall be powered by a branded an Original Company's Licensed OEM manufacturer.  Engine to be complete with following auxiliary items:  • Heavy electrical flywheel • SAE flywheel housing • Air filters, Lubricating Oil Filters, Fuel Filters and all other such filter required for operation of the engine • Low lubricating oil pressure switch	1	No
	<ul> <li>High engine temperature switch</li> <li>lub oil sender</li> <li>Water Temperature Sender</li> <li>All necessary items to run and to protect the engine</li> <li>Starting equipment fitted to engine, consisting of:</li> <li>24 Volt charging alternator (Brushless)</li> <li>24 Volt starting motor</li> <li>Fuel Shut-off solenoid</li> <li>Governing System</li> <li>The engine to be fitted with a close tolerance Electronic Governing system, which should include actuators, magnetic pickups, wiring harness etc.</li> </ul>		
2	• Radiator  Heavy-duty tropical radiator, together with pusher type cooling fan. The radiator core should be electroplated with silver solder tin plated to prevent early failure due to corrosion. Coupon plated radiators are acceptable. Radiator must be designed to adequately cool the generator at an ambient temperature of 50°C	1	No
3	450 mm of stainless steel flexible below	1	No
4	Literature and drawings consisting of: (Optional)  1 No x Electrical wiring diagram  1 No x Engine operation and maintenance manual  1 No x Engine parts catalogue  1 No x Engine shop manual	1	Lot
5	Warranty Engine should carry a warranty of one year from the date of commissioning.	1	

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