

INFORMATION SHEET FOR PROCUREMENT OF 350kW GENERATOR SET

Reference No.: FNK-I/IUL/2020/016

Issued on: 26th January 2020

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 an
		360kW generator set in accordance to Section III,
		Technical Specifications
2. Eligible Participants	2.1	Local companies registered in Maldives are eligible to
		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 l	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 or
		US Dollars
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

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 Fenaka Corporation Limited

 Ports Complex Building 7th Floor, HilaaleeMagu

 Male' 20307, Republic of Maldives

 Tel:
 [960] 300 7555

 Fax:
 [960] 332 7555



ئوىترىم ئامەترىمۇسىمىش مورغى ئۇمۇسىم ئۇتۇنۇمىس چۈپىلە 7 ئومۇ ئۇمۇدېرىۋ، بىقۇم ئۇتە ئۇلۇ 20307 ، موغرىمىرىمىغ يولۇمۇر : Email: info@fenaka.com.mv

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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)
		- 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 Compliance	8.1	All relevant information including the brand shall be
		given to enable technical evaluation of quoted items
	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
	8.3	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
	8.4	Technical compliance letter will be required to enable
		technical evaluation

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Fenaka Corporation Limited Ports Corplex Building 7th Floor, HileeMagu Male' 2037, Republic of Maldives Tel: [960] 300 7555 : デーデ Fax: [960] 332 7555 : デーデ



ۇىترىما ئابىرۇنلەشىش بويۇغ كېرىۋى ئاقۇلۇنىت ھۆرۈنى 7 مۇنتر ئۇنلەيولۇ، بولۇم قاڭ قائۇ 2030 ، بولۇبانىڭ بوسۇبوش : Email: info@fenaka.com.mv ئۇقسىموغ : Website: www.fenaka.com.mv



	8.5	If the goods do not comply with the requirements
		mentioned in Section III, Technical Specifications, the
		bid will be rejected during evaluation.
	8.6	Generator set should comply with our requirements, if
		not the bid will be rejected
9. Documents	9.1	Quotation (inclusive of the delivery period and
Comprising the Bid		payment terms)
	9.2	Specifications of the offered product
	9.3	Certificate of Authenticity specifying that manufacturer
		/ assembler is an OEM of a genuine reputed
		international engine 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

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	10.2	All pages of the bid document shall be stamped and
		bound properly (excluding the bid security)
C. Bid Submission		
11. Sealing and Marking	11.1	The bid document shall be sealed properly in an
Bid Document		envelope clearly marked 'ORIGINAL' or 'COPY',
		with the name of the company and the tender reference
		number (FNK-I/IUL/2020/016)
12. Bid Opening	12.1	The bids will be opened on 4 th February 2020, 11:00am
		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 8. Documents
		Comprising the Bid (except 9.5 Experience letters) and
		that do not comply with 9. Format of Bid are subjected
		to be rejected
D. Awarding of Contra	act	
14. Payment Terms	14.1	An advance will not be released for this project
15. Factory Acceptance	15.1	All generators should be tested to run at 25%, 50%,
Testing		75%, 100%, and 110% of rated load and power factor
		until the engine temperature stabilized for 30 minutes,
		and should check the protections below:
		- Lub oil low level (alarm testing)
		- Lub oil low pressure (alarm testing)

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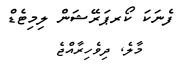
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Fenaka Corporation Limited Ports Complex Building 7th Floor, HilaaleeMagu Male' 20307, Republic of Maldives Tel: [960] 300 7555 : بۇرۇر يۇسۇ يۇرىكى يۇرۇر يۇرۇ Fax: [960] 332 7555 : يۇرۇر يۇرۇ



ۇىزىما ئابىرۇنلەشىش بويۇغى تېرىچى ئاۋېرۇنىس جۇيۇنىد 7 قابىر ۋىلادويۇ، يوقوم قاڭ قاقو 20307 ، بوغويىتىڭ يېرىخىيۇ : Email: info@fenaka.com.mv ئۇتستىرىغ : Website: www.fenaka.com.mv





	- 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
15.2	2 All the protections should work properly, it should be
	examined for oil and coolant leaks, and it should be
	visually tested and secured
15.3	The remote radiator should operate continuously 100%
	in a 50 degree 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
- No points will be given for payment terms if the supplier requests for Letter of Credit (LC)

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Section III: Technical Specifications

*Please note that the below specifications are for one unit only.

S/N:	Description	Unit	Qty
1	350 kW prime rated diesel generator set with parameters 0.8 P.F, 415kV, 3 Phase, 4 wires, 50 Hz at 1500 r.p.m. Powered by Internationally reputed brand engine coupled with internationally reputed brand Alternator.	1	No
	The Generator set shall be powered by a Branded engine origin or		
	assembled/manufactured by an Original Company's Licenced OEM		
	manufactured/assembler. The engine must produce a mechanical power output (kW _m) which should meet the		
	The engine must produce a mechanical power output (kwm) which shall meet and the south of the so		
	required electric power (kW _e) of 350kW and must be coupled with a 350kW		
	Alternator with pre-installed Droop CT and a control connection box.(termination		
box to	box to connect control cables and power cables)		
	Engine to be complete with following auxilliary items :		
	Heavy electrical flywheel		
	• SAE flowheel housing		
	Air filters, Lubricating Oil Filters, Fuel Filters and all other such filter required		
	for operation of the engine		
	 Low lubricating oil pressure switch 		
	 High engine temperature switch 		
	• lub oil sender		
	Water Temperature Sender		
	All necessary items to run and to protect the engine		
	 Starting equipment fitted to engine, consisting of : 		
	 24 Volt charging altenator (Brushless) 		
	 24 Volt starting motor 		
• G(Fuel Shut-off solenoid		
	 Heavy duty lead acid batteries, supplied in a dry charged condition 		
	Governing System		
	The engine to be fitted with a close tolerance Electronic Governing system, which should include efc, actuators, magnetic pickups, etc, including wiring		
	 Cooling Equipment Cooling equipment compromising a heavy-duty tropical radiator, together 		
	with pusher type cooling fan and guards to be fitted. The radiator core		
	should be elecroplated with silver solder tin plated to prevent early failure		
	due to corrosion. Coupon plated radiators are acceptable. Radiator has to		
	be mounted on vibration mounts with enough strength to withstand the		
	radiator and vibrations.		
	Radiator must be designed to adequately cool the generator at an ambient		
	temperature of 50≌C		
	• Exhaust system		
	450 mm of stainless steel bellow type flexible exhaust, together with		
	suitable flanges and fittings shall be supplied for each silencer.		
	Alternator	1	4

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ۇىترىم ئاندېرىمىتىمىر جوخىچى كېرىچىس ئاندېرۇمىس چۈچىنى 7 توبىر تومريوتو، بوقوچ تەتى تەتىخ 2030 ، بوغوبىمىرىچ تەتىخ مەقى ، بوغوبىمىرىچ تەتىخ مەقى : Email: info@fenaka.com.mv ئۇتسىمۇچى : Website: www.fenaka.com.mv

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Ports Complex Building 7th Floor, HilaaleeMagu

Male' 20307, Republic of Maldives Tel: [960] 300 7555 : بُوَرُمْ اللَّهُ الللَّهُ اللَّهُ اللَّ



ۇمۇرى ئىمەر ئۇمۇمىتىم بورغى كېرىچى ئۆۋۈنىڭ بورغى قۇر 2030 ، بوغۇرىمى بۇر 7 ئونىز تونىر يوغ، بوغ چ تۇ قى 2030 ، بوغ بىمى ئەخ Email: info@fenaka.com.mv ئۈشىتىرىغ : Website: www.fenaka.com.mv



Generator set should carry a warranty of one year from the date of commisioning	1	Lot
Documents Required for technical evaluation		
technical data sheets of engine		
 technical data sheets of Alternator 		
a datashapts specifying eacling waters acts distant in the second		

- datasheets specifying cooling system rated at ambient temperature 50°C
- Certificate of Authenticity specifying manufacturer /Assembler is an OEM of a genuine reputed international Engine Brand

Note : Proposal that do not conform to the given technical specification shall be rejected.

Prepared and checked by :

Technical Services & Green Energy Department

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ۇىرىما ئامىرۇىلاسىتىلىر مۇجۇغا كېرىچىس ئۇۋېرۇنىسە ھەلمۇبىرى 7 مايىز ئۇنلابولوگا، بىرقوم دۇ دۇلىرى 2030 ، مۇلۇبىرىگەنچا يەردىلىرىڭ Email: info@fenaka.com.mv دۇلىسىمىرىغ : Website: www.fenaka.com.mv