

## Section I: Instructions to Bidders

A. General	
1. Scope of Bid	1.1 Auto Synchronizing Panel / Distribution Panel 4 x 800Amps, 400V, 3Phase, 4 wire, 50Hz consists the following:  A. 4 x Generator Control Panel B. 1 x Distribution Feeder Panel  <b>in accordance with Section III, Technical Specifications</b>
	1.2 It is in Kadhdhoo Airport Company Limited's discretion to cancel the bid invitation mentioned in 1.1 at any time.
2. Eligible Participants	2.1 Local companies registered in Maldives are eligible to participate in the tender
B. Preparation of the Bid	
3. Bid Prices	3.1 The unit price of each item and the total price shall clearly be indicated in the quotation
	3.2 All items shall be quoted in the bid (refer to <b>Section III, Technical Specifications</b> for the details of required items)
4. Currency	4.1 The bidder shall quote entirely in Maldivian Rufiyaa
5. Validity of Bids	5.1 Quotation shall remain valid for minimum sixty (60) days from the date of bid opening.
6. Technical Compliance	6.1 If the goods do not comply with the requirements mentioned in <b>Section III, Technical Specifications</b> , the bid will be rejected during evaluation.
	6.2 Auto Synchronizing Panel / Distribution Panel should be approved by Maldives Energy Authority (MEA)
7. Documents Comprising the Bid	7.1 Quotation (inclusive of the delivery period and payment terms)
	7.2 Specifications of the offered product
	7.3 Certificate of Authenticity specifying that manufacturer / assembler is an OEM of a genuine reputed international engine brand
	7.4 Details of the company <ul style="list-style-type: none"> <li>▪ Company profile/background</li> <li>▪ Company registration certificate</li> <li>▪ GST registration certificate (for local bidders only)</li> <li>▪ TAX clearance report (6 months validity)</li> <li>▪ Contact details (name, designation, mobile number and e-mail address)</li> </ul>

	7.5	Experience letters, <ul style="list-style-type: none"> <li>▪ Letters within past five (5) years</li> <li>▪ Relevant experience letters</li> <li>▪ Letters with project name and value</li> </ul>
	7.6	Bids lacking the documents above are subjected to be rejected during the bid opening
<b>8. Format of Bid</b>	8.1	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
	8.2	All pages of the bid document shall be stamped and bound properly
<b>C. Bid Submission</b>		
<b>9. Sealing and Marking Bid Document</b>	9.1	The bid document shall be sealed properly in an envelope clearly marked 'ORIGINAL' or 'COPY', with the name of the company and the tender reference number ((IUL)KACL-KDO/2022/02)
<b>10. Bid Opening</b>	10.1	The bids will be opened on 18 January 2022, 10:00am in the presence of bidders
	10.2	Bids will be opened at: Kadhdhoo Airport Company Limited Ameer Ahmed Magu, K. Male', Republic of Maldives
	10.3	Bids received electronically will not be accepted
<b>11. Bid Rejection</b>	11.1	Bidders that arrive after bid submission deadline shall not be able to participate in the bid
	11.2	Bids lacking the documents mentioned in <b>"7. Documents Comprising the Bid"</b> except <b>(7.5 Experience letters)</b> and those that do not comply with <b>"8. Format of Bid"</b> are subjected to be rejected.
<b>D. Awarding of Contract</b>		
<b>12. Payment Terms</b>	12.1	An advance will not be released for this project
<b>13. Factory Acceptance Testing</b>	13.1	Auto Synchronizing Panel / Distribution Panel should be installed and commissioned by a MEA certified personnel. The panel should be tested both no-load and on-load, and synchronized.
	13.2	The supplier should provide an awareness/training session for the end users.
	13.3	Auto Synchronizing Panel / Distribution Panel should come with a complete manual/schematics and relevant documents.
	13.4	The panel tested report (both mechanical and electrical) should be submitted at commissioning.

## Section II: Evaluation Criteria

**A. Proposal Cost:** 70 points for the lowest price

- $(\text{Lowest price} / \text{proposed price}) \times 70$

**B. Delivery:** 20 points for the lowest delivery period

- $(\text{Intended completion period} / \text{proposed delivery period}) \times 20$

The intended completion period of the project is 30 days. Bidders may propose a completion period for the project. Full marks for the completion period will only be awarded to bidders who propose to complete the project within the intended completion period proposed by KACL. The intended completion period is the baseline for the completion of the project. If the completion period is longer than the proposed completion period by KACL, marks will be awarded to the ratio intended completion period to longest credit period.

**C. Credit Period:** 10 points for the maximum credit period

- $(\text{Proposed credit period} / \text{longest credit period}) \times 10$

**Note:** Any discrepancy in technical details specified in quotation with technical specification document, the specification shall prevail.

## Section III: Technical Specifications

**Auto Synchronizing Panel / Distribution Panel 4 x 800Amps, 400V, 3Phase, 4 wire, 50Hz consists the following:**

- A. 4 x Generator Control Panel
- B. 1 x Distribution Feeder Panel

**A. Generator Control Accessories each consisting of: -**

**1. Cubicle for Generator Control with Gear:**

- 1 x Panel Cubicle Panel IP20 indoor Type
- Approximate cubicle H2020MM x W3600MM x D830MM
- Panel Doors: 2.5mm electrode zinc sheet steel
- Paint: Epoxy Paint Coated

**2. Engine Protection Device (for each set)**

- 1 x Lube Oil Pressure Trip
- 1 x High Water Temp Trip
- 1 x Over Speed Trip

**3. Engine Instrumentation (for each set)**

- 1 x Tachometer
- 1 x Engine Run Hour Meter
- 1 x DC Voltmeter
- 1 x Oil Temperature Gauge c/w VDO Sender
- 1 x Oil Pressure Gauge c/w VDO Sender & Switch
- 1 x Water Temperature Gauge c/w VDO Sender & Switch
- 1 x Battery Ampere Meter

**4. Generator Section (for each Set)**

- 1 x DSE 8610 MK II Engine Control Unit

- 3 x Digital Ammeter, 96 x 96
- 1 x Digital Frequency Meter, 96 x 96
- 1 x Digital Kilowatt Meter, 96 x96
- 1 x Digital Voltmeter, 96 x 96
- 1 x Voltmeter Selector Switch
- 3 x Gen Set Incoming Fuse
- 1 x Lot Control relays c/w base
- 1 x Emergency Stop Push Button
- 1 x DSE Battery Charger DC Metering and Switch

**5. Alarm System (for each Set)**

- 1 x Engine Over Speed
- 1 x Lube Oil Pressure
- 1 x High Water Temperature
- 1 x Reverse Power
- 1 x Over Current
- 1 x Earth Fault

**6. System Protection Device (for each set)**

- 1 x Reverse Power Relay
- 1 x Over Current Relay
- 1 x Over Voltage Relay
- 1 x Earth Fault Relay DTL

**7. Each Generator Set consists of the following: -**

- 1 x 3 TPN 600A Motorized ACB 36KA c/w UVT 240VAC.
- 1 x Lot Tinned Bus Bar for Gen Set Incoming
- 1 x Lot Outgoing Termination Bus bar
- 1 x Lot Tinned Common Bus Bar
- 1 x Set Metering CT
- 1 x Set Protection CT

**B. Distribution Panel consisting of: -**

**1. Distribution Feeder Section**

**2. 10 x Feeder Section: -**

**i. Feeder No.1 to 3 consisting of: -**

- a. 1 x 200 Amps 3P MCCB
- b. 1 x ZCT
- c. 1 x Earth Leakage Relay
- d. 3 x Indicating Lights
- e. 1 x Digital Ampere Meter
- f. 1 x Set of CTs
- g. 1 x Ampere Meter Selector Switch
- h. 1 x Outgoing 4P Terminal Block

**ii. Feeder No.4 to 6 consisting of: -**

- a. 1 x 160 Amps 3P MCCB
- b. 1 x ZCT
- c. 1 x Earth Leakage Relay
- d. 3 x Indicating Lights
- e. 1 x Digital Ampere Meter
- f. 1 x Set of CTs
- g. 1 x Ampere Meter Selector Switch
- h. 1x Outgoing 4P Terminal Block

**iii. Feeder No.7 to 10 consisting of: -**

- a. 1 x 100 Amps 3P MCCB
- b. 1 x ZCT
- c. 1 x Earth Leakage Relay
- d. 3 x Indicating Lights
- e. 1 x Digital Ampere Meter
- f. 1 x Set of CTs
- g. 1 x Ampere Meter Selector Switch
- h. 1x Outgoing 4P Terminal Block

