

INFORMATION SHEET FOR PROCUREMENT OF 400KW GENERATOR SET

Reference No.: FNK-I/IUL/2022/397

Issued on 01st June 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 400kW generator set 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 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. |
| | 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) |
| | | - 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 |

Page 2 of 8















Fenaka Corporation Limited Male, **Maldives**

| | 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 | 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 |
| | 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 payment terms) |
| Comprising the | 9.2 | Specifications of the offered product |
| Bid | 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 |
| | 1 | · ' |

Page 3 of 8















Fenaka Corporation Limited Male, Maldives

| 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) 11. Sealing and | | 9.6 | One (1) compact disc with original bid document scanned and written | | |
|--|-------------------|---------------------------------------|--|--|--|
| 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 Submission 11. Sealing and Marking Bid ORIGINAL' or 'COPY', with the name of the company and the tender reference number (FNK-1/IUL/2022/397) 12. Bid Opening 12. The bids will be opened 15th June 2022, 10:00am in the presence of bidders 12. Bids will be opened at: Fenaka Corporation Limited Hilaalee Magu, K. Male', Republic of Maldives 12. Bids received electronically will not be accepted 13. Bid Rejection 13. Bid Rejection 13. Bidders that arrive after bid submission deadline shall not be able to participate in the bid 13.2 Bidsers 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 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 Acceptance Testing 15.1 The generator(s) shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | 9.7 | Bids lacking the documents above are subjected to be rejected during the 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) 11. Scaling and | | | opening | | |
| 10.2 All pages of the bid document shall be stamped and bound properly (excluding the bid security) C. Bid Submission | 10. Format of Bid | 10.1 | The Bidder shall submit two (2) sets of the bid document (1 original and 1 | | |
| the bid security) C. Bid Submission 11.1 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 (FNK-I/IUL/2022/397) 12. Bid Opening 12.1 The bids will be opened 15th June 2022, 10:00am 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 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 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 generator(s) shall be fully tested at the manufacturer workshop 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(s) shall be checked for dimension, the supplier shall provide | | | copy), enclosed separately in two envelopes and sealed with company stamp | | |
| 11. Sealing and Marking Bid 'ORIGINAL' or 'COPY', with the name of the company and the tender reference number (FNK-I/IUL/2022/397) 12. Bid Opening 12.1 The bids will be opened 15th June 2022, 10:00am 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 13.1 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 14.1 An advance will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | 10.2 | All pages of the bid document shall be stamped and bound properly (excluding | | |
| 11.1 Sealing and Marking Bid Document 12.1 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 (FNK-I/IUL/2022/397) 12.1 The bids will be opened 15th June 2022, 10:00am 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 13.1 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 14.1 An advance will not be released for this project 15.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15.3 The generator(s) shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | the bid security) | | |
| Marking Bid Document 'ORIGINAL' or 'COPY', with the name of the company and the tender reference number (FNK-I/IUL/2022/397) 12. Bid Opening 12.1 The bids will be opened 15th June 2022, 10:00am 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 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 14.1 An advance will not be released for this project Terms 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | C. Bid Submiss | ion | | | |
| Document reference number (FNK-I/IUL/2022/397) | 11. Sealing and | 11.1 | The bid document shall be sealed properly in an envelope clearly marked | | |
| 12.1 The bids will be opened 15th June 2022, 10:00am 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 13.1 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 14.1 Payment 14.1 An advance 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 Acceptance Testing 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | Marking Bid | | 'ORIGINAL' or 'COPY', with the name of the company and the tender | | |
| 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 13.1 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 14.1 An advance will not be released for this project 15.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15.3 The generator(s) shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | Document | reference number (FNK-I/IUL/2022/397) | | | |
| Fenaka Corporation Limited Hilaalee Magu, K. Male', Republic of Maldives 12.3 Bids received electronically will not be accepted 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 14. Payment 14.1 An advance 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 generator(s) shall be fully tested at the manufacturer workshop 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(s) shall be checked for dimension, the supplier shall provide | 12. Bid Opening | 12.1 | The bids will be opened 15 th June 2022, 10:00am in the presence of bidders | | |
| Hilaalee Magu, K. Male', Republic of Maldives 12.3 Bids received electronically will not be accepted 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 14. Payment 14.1 An advance will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory Acceptance 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | 12.2 | Bids will be opened at: | | |
| 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 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 Acceptance Testing 15.2 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | Fenaka Corporation Limited | | |
| 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 14.1 An advance 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 Acceptance Testing 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | Hilaalee Magu, K. Male', Republic of Maldives | | |
| 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 14.1 An advance 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 Acceptance 15.1 The generator(s) shall be fully tested at the manufacturer workshop 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(s) shall be checked for dimension, the supplier shall provide | | 12.3 | Bids received electronically will not be accepted | | |
| 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 14. Payment 14.1 An advance will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | 13. Bid Rejection | 13.1 | Bidders that arrive after bid submission deadline shall not be able to participate | | |
| 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 14.1 An advance 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 Acceptance 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | in the bid | | |
| 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 14.1 An advance 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 Acceptance 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | 13.2 | Bidders that do not register for the tender are unable to participate in 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 will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | opening | | |
| D. Awarding of Contract 14. Payment 14.1 An advance will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | 13.3 | Bids lacking the documents mentioned in 9. Documents Comprising the Bid | | |
| D. Awarding of Contract 14. Payment 14.1 An advance will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | (except 9.5 Experience letters) and that do not comply with 10. Format of Bid | | |
| 14.1 An advance will not be released for this project 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | | | are subjected to be rejected | | |
| Terms 14.2 Proposed payment terms should not be tied with submission of Bill of Lading. 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop in the presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | D. Awarding of | Contr | ract | | |
| 15. Factory 15.1 The generator(s) shall be fully tested at the manufacturer workshop 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(s) shall be checked for dimension, the supplier shall provide | 14. Payment | 14.1 | An advance will not be released for this project | | |
| Acceptance presence of Client's appointees via video conferencing. 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | Terms | 14.2 | Proposed payment terms should not be tied with submission of Bill of Lading. | | |
| Testing 15.2 The testing shall be conducted at internationally accepted testing standards 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | 15. Factory | 15.1 | The generator(s) shall be fully tested at the manufacturer workshop in the | | |
| 15.3 The generator(s) shall be checked for dimension, the supplier shall provide | Acceptance | | presence of Client's appointees via video conferencing. | | |
| | Testing | 15.2 | The testing shall be conducted at internationally accepted testing standards | | |
| dimension of the generator(s) during the virtual factory acceptance testing | | 15.3 | The generator(s) shall be checked for dimension, the supplier shall provide | | |
| difficultion of the generator(b) during the virtual factory acceptance testing. | | | dimension of the generator(s) during the virtual factory acceptance testing. | | |

Page 4 of 8



WINNER





















Fenaka Corporation Limited Male, Maldives

- 15.4 Generator(s) 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:
 - 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
- 15.5 All the protections should work properly, it should be examined for oil and coolant leaks, and it should be visually tested and secured
- 15.6 Recorded video clips while operating the units will not be accepted as virtual factory acceptance testing.















Section II: Evaluation Criteria

Proposal Cost: 60 points for the lowest price

(Lowest price / proposed price) x 60

Delivery: 30 points for the lowest delivery period

- (Lowest delivery period / proposed delivery period) x 30
- 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.















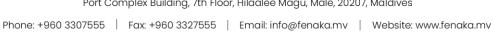
Section III: Technical Specifications

| Description | Quantity |
|---------------------|----------|
| 400KW Generator Set | 01 |

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

| ţ | Description | Unit | Qty | |
|---|--|------|------|--|
| | Cummins 400 kW prime rated diesel generator set (open type) with parameters 0.8 P.F, 415 Volts, 3 Phase, 4 wires, 50 Hz at 1500 r.p.m. | 1 | No | |
| | The Generator set shall be powered by a branded an Original Company's Licensed OEM manufactured. | | | |
| | The engine must produce a mechanical power output (kW) which should meet the required electric power (kW) of 400kW and must be coupled with a Stamford 400kW Alternator with pre-installed Droop CT and remote mounted | | | |
| _ | control panel. And should be an internationally recognized reputed brand. The controller should be Deep-sea model: 8810 / 8860 engine controller. Motorized TP, 800A-MCCB-c/w-UVT-Coil-AC-230 V, brand "MERLIN-GERIN") or equivalent. | | 112 | |
| | | | | |
| | 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 | | | |
| | High engine temperature switch | | | |
| | • lub oil sender | | | |
| | Water Temperature Sender | 1 | | |
| | All necessary items to run and to protect the engine | | | |
| | Starting equipment fitted to engine, consisting of : | - 4 | | |
| | 24 Volt charging alternator (Brushless) | | 1 | |
| | • 24 Volt starting motor | | | |
| | 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 | | - 14 | |
| | 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 electroplated 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 | - 4 | | |
| | Exhaust system | | | |
| | 450 mm of stainless steel below type flexible exhaust, together with suitable flanges and fittings shall be supplied for each silencer. | | | |

Page 7 of 8

















| | Alternator | | |
|-----|--|---|----------|
| | The alternator shall be brushless revolving type alternator, having class H insulation on both the stator and field windings. It shall be built and rated to BS 5000, tropically impregnated with voltage regulation being in the order of +/- 1.5% from no load to full load under the steady state conditions assuming a speed variation not exceeding 4% on the engine. Anti-Condensation Coil to be fitted in the Alternator. • Generator arrangement and drive | | |
| | The simplex type base plate is of heavy duty rolled steel constructed, bolted and electrically welded, drilled on the underside to allow the fitting of foundation bolts. The engine and the alternator are to be mounted on a base plate and vibration mounts to be mounted underside of the base plate. • Finishing | | |
| | After assembling the genset zinc coated self-etching primer should be applied | | |
| 4.5 | to the complete set. | | |
| 1.2 | Fuel system | 1 | No |
| | A fuel day tank of 12 hours capacity complete with level indicator, drain plug, filler, fuel return with fuel outlet connections and a fuel filter fitted with outlet connection is to be mounted. These mounts are to be supplied as loose item. All necessary fittings to be supplied in conformity with fuel flow diagram. | | |
| 1.3 | Literature and drawings consisting of : (Optional) 1 No x Manual on How to handle the generation equipment 1 No x Electrical wiring diagram 1 No x Engine operation and maintenance manual 1 No x Engine parts catalogue 1 No x Generator parts catalogue 1 No x Generator operation and maintenance manual 1 No x Generator AVR manual 1 No x Governor control unit manual 1 No x Engine shop manual | 1 | Lot |
| 1.4 | Accessories The Components shall meet the British Standard and ISO standards. Items are for the above mentioned generator sets. | | |
| | Primary silencer barrel (to match engine exhaust) | 1 | No |
| | Secondary silencer barrel (to match engine exhaust) | 1 | No |
| | 3m Exhaust pipe dia (to match engine exhaust) Elbows having dia (to match the engine exhaust) | 4 | No |
| | Flanges having dia (to match the engine exhaust) | 6 | No No |
| | Bolts, Nuts and Washers for the Flanges. (Each set shall include 1 bolt, 2 washers,1spring washer 2 Nuts) | 0 | Lot |
| | Split type rockwool insulation lagging suitable for 75 to 125mm dia. Exhaust pipes. The lagging shall be covered with High Quality Aluminum foil. | | Lot |
| 1.5 | Warranty Generator set should carry a warranty of one year from the date of commissioning. | 1 | Lot |

Page 8 of 8

