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**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT, ISLAMABAD**  
**FOREIGN SECTION A**

(To be completed, filled in, signed and stamped by the principal)

**ANNEXURE 'A'**

**Material** DIESEL GENERATOR SETS (500 KVA /400 KW) FOR OGDCL RIG N-1 & N-2  
**Tender Enquiry No** PROC-FA/CB/RM/ENG-5263/2022  
**Due Date**  
**Evaluation Criteria** FULL

**SCHEDULE OF REQUIREMENT**

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	CATERPILLAR C15 DEISEL GENERATOR SET (3-PHASE, 500KVA/400KW, 50 HZ, 1500 RPM, 400 VOLTS) WITH CONTROL PANEL EMCP 4.2 AND OTHER STANDARD ACCESSRIES OR EQUIVALENT (SEE ATTACHED TERMS AND CONDITIONS).	Number	2					
2	OEM RECOMMENDED FUEL FILTERS OF OFFERED DG SETS	Number	72					
3	OEM RECOMMENDED OIL FILTERS OF OFFERED DG SETS	Number	72					
4	OEM RECOMMENDED FUEL WATER SEPARATOR FILTERS OF OFFERED DG SETS.	Number	36					
5	OEM RECOMMENDED FILTER ELEMENT AS-AIR (PRIMARY) OF OFFERED DG SETS	Number	18					
6	OEM RECOMMENDED FILTER ELEMENT AS - AIR (SECONDARY) OF OFFERED DG SETS	Number	18					
7	COMMISSIONING OF OFFERED DG SETS.	Number	2					

**Note:**

- Bid Bond Amount:** US \$ 4,000 (United State Dollar Four Thousand only) or equivalent Pak Rupees valid up to 210 Days from the date of technical bid opening
- Mode of Bidding:** Single stage two Envelope basis.
- Evaluation Criteria:** - Full Consignment wise C&F By Sea
- Delivery Period:** 05 Month from establishment of LC
- Bid Validity:** 180 Days
- Bidders are advised to carefully read all the terms and conditions of the MASTER SET OF FOREIGN TENDER DOCUMENT (PRESS-SINGLE STAGE TWO ENVELOP) available on OGDCL website which is an integral part of this Schedule of Requirement

**Terms and conditions for the procurement of Diesel Generator (DG) Sets (500KVA/400KW).**

1. Bidder should be OEM or authorized dealer / distributor of OEM. In case bidder is authorized dealer/ distributor of OEM then a hard copy of authority letter from OEM in favor of the bidder must be provided with the bid.
2. OEM of DG Sets (engine & alternator) must have minimum experience of 20 years in manufacturing/ sales/ service business of DG Sets. Bidder to provide documentary evidence with the technical bid in this regard.
3. OEM / Bidder to provide sales record of last five years of offered DG Sets, supplied at drilling / work over Rigs in Pakistan and at least one offered DG Set must be supplied by bidder at drilling / work over Rig in Pakistan . Bidder to provide documentary evidence with the technical bid in this regard.
4. Well established workshop(s) of OEM / authorized dealer /distributor of the offered DG sets (engine & alternator) must be available within country.
5. Manufacturer's company profile must be provided with the technical bid/ proposal.
6. Offered DG Sets to be supplied complete with radiator type water cooled, turbocharged aftercooled diesel engines, capable to operate and perform at -10 to 55°C ambient and suitable for use at an oil and gas drilling/ work-over rig.
7. Offered DG Sets must be skid mounted and placed inside weather and sound attenuated metallic canopies [80 – 85 DBA at one (01) meter distance].
8. Offered DG Sets must be manufactured within one year of the issuance of letter of credit (LC).
9. Offered DG Sets should be equipped with electronic modular control panel (EMCP) including but not limited to the following features.
  - a. Generator Parameters
    - i. Volts
    - ii. Phase Current
    - iii. Real Power, Reactive Power, Total KVA
    - iv. Power Factor
    - v. KW-hr, KVA-hr, Total KVA
    - vi. Exciter Voltage and current.
  - b. Generator Protection
    - i. Phase Sequence
    - ii. Over/under voltage
    - iii. Over/under frequency
    - iv. Reverse Power
    - v. Reverse Reactive Power
    - vi. Overcurrent
  - c. Engine Parameters
    - i. Coolant Temperature
    - ii. Oil Pressure
    - iii. Engine Speed
    - iv. Battery Volts
    - v. Running Hours

**Terms and conditions for the procurement of Diesel Generator (DG) Sets (500KVA/400KW).**

- d. Engine Protection
    - i. Control Switch not in auto (alarm)
    - ii. Coolant (High temp, low level, alarm)
    - iii. High engine oil temp (alarm and shutdown)
    - iv. Over speed
    - v. Over crank
    - vi. Low oil pressure
  - e. Control
    - i. Run / Auto / Stop control
    - ii. Speed and voltage adjust.
    - iii. Local emergency stop
    - iv. Cycle crank
  - f. Working Temperature
    - i. Control module operating temperature: -10 to 70°C
    - ii. Display operating temperature: -10 to 70°C
  - g. Humidity
    - i. 100% condensing at 30 to 60 °C
10. OGDCL may increase or decrease the quantity of the required items as per its own requirement.
  11. Standby rating of DG Set should be 550KVA/ 440 KW(± 2%) & prime rating should be 500KVA/ 400KW (± 2%).
  12. Minimum storage capacity of Built-in/integral base diesel tank of offered DG Sets should be 800 liters.
  13. Adequate and relevant technical literature of the offered DG Sets must be provided with the proposal for evaluation.
  14. Standard OEM warranty is required for the offered DG Sets and attachments against defects in performance, material and workmanship and such warranty must be provided with the technical proposal.
  15. Installation/ commissioning of the supplied DG Sets at OGDCL rigs will be responsibility of the supplier.
  16. Commissioning job of new DG Sets will include providing materials, means and procedures, first fill of lubricants and coolants, installation of V-belts, installation of filters, installation and termination of batteries (if required) and load test of DG Sets, etc.
  17. Cost of commissioning job per unit (if any) be quoted accordingly.
  18. Material / requirement for installation i.e. cables, earthing /grounding, panel board etc. will be provided / arranged by OGDCL.
  19. For installation/ commissioning job, accommodation and meals during stay of the supplier's personnel at rig site in officer's camp will be provided by OGDCL.
  20. These DG Sets will be installed at two different rigs which may be deployed anywhere across the country.
  21. Standard operational training will be provided by supplier's / manufacturers technical personnel after installation / commissioning job to the maintenance crew at respective Rig sites.
  22. Crane and fork lifter for installation & commissioning job will be provided by OGDCL.
  23. One set of original OEM operation & maintenance, parts, service/workshop manuals in hard format and 01 set in soft format for each DG Set to be provided along with the DG Sets at the time of delivery.

**Terms and conditions for the procurement of Diesel Generator (DG) Sets (500KVA/400KW).**

**24. Technical Evaluation Criteria.**

Prospective bidders shall be evaluated on the following evaluation criteria and the qualifying marks are 80%.

Sr. #	OGDCL Requirement	Marks to be allocated	Max. Marks	Remarks
i.	OEM manufacturing/sales/service experience regarding diesel engine coupled with offered DG Sets. a. 25 years or more b. 20 years or more and less than 25 years.	20 10	20	Zero marks if manufacturing /sales/service experience is less than 20 years.
ii.	OEM manufacturing/sales/service experience regarding alternator coupled with offered DG Sets. a. 25 years or more b. 20 years or more and less than 25 years.	20 10	20	Zero marks if manufacturing /sales/service experience is less than 20 years.
iii.	Manufacturer of engine & alternator. a. Same manufacturer of engine & alternator. b. Different manufacturer of engine & alternator.	20 10	20	
iv.	Bidder's experience for supplying offered DG Sets at drilling / work over rigs in last five years in Pakistan. a. 10 or more units. b. 05 to 09 units. c. 01 to 04 units.	15 10 05	15	Zero marks in case bidder not supplied a single unit in last five years.
v.	Availability of well-established workshops of OEM / authorized dealer /distributor of offered DG Sets (engine & alternator) across the country. a. In three or more cities. b. In two cities c. In one city	25 20 10	25	Zero marks in case of non-availability of well-established workshop of OEM / authorized dealer / distributor in any city.
<b>Total Marks</b>			100	
<b>Qualifying Marks</b>			80 %	

**Note:**

Bid shall be considered Non-Responsive if the bidder acquires

- Zero marks in any of the above disciplines of bidder's technical evaluation criteria.
- Secures less than qualifying marks (i.e. 80 % of aggregate marks).

25. Payment to the supplier will be made as follows

- 70 % on shipment
- 30 % after material delivery / acceptance, successful installation / commissioning at OGDCL rigs.

26. Delivery period will be five (05) months after issuance of letter of credit (LC).

**Note:** Above terms and conditions are integral part of the tender enquiry and a copy of the same duly signed and stamped by authorized person of the OEM / bidder must be provided with the technical proposal in token of acceptance.