

राष्ट्रीय अंटार्कटिक एवं
समुद्री अनुसंधान केन्द्र
पृथ्वी विज्ञान मंत्रालय
भारत सरकार)
हेड लैण्ड सडा, वास्को डा गामा
गोवा- ४०३ ८०४ भारत



NATIONAL CENTRE FOR
ANTARCTIC & OCEAN RESEARCH

Ministry of Earth Sciences
Government of India)
Headland Sada, Vasco da Gama
Goa - 403 804 - INDIA

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PROCUREMENT SECTION

INDIGENOUS ENQUIRY

Ref. No.:

AES-11299

Date:

30.06.2015

Due Date:

17.07.2015

Dear Sirs,

We require the following items for XXXV - Indian Antarctic Expedition. Manufacturers, dealers only are requested to send offer for the following items as per the terms and conditions mentioned below and in Annexure II.

| SL. NO. | ITEM DESCRIPTION Kirloskar (Koel) or Cummins | QUANTITY |
|---------|--|------------------------|
| 01. | DIESEL GENERATOR 125 KVA Running spares for 8000 hrs each DG set (Specification as per Annexure-I) | (As per Annexure-I) |

Your offer should contain the following information:

1. Validity period
2. Quantity / Trade discounts, if any.
3. Delivery Schedules. (**Generators are required by 1st October, 2015**).
4. Terms of Price.
5. Mode of Despatch.
6. Taxes/VAT applicable with Full Rate/Percentage ('C' / 'D' form not available).
7. Indicate if Excise Duty included or extra and Rate/Not Applicable.
8. Guarantee / Warrantee:
9. Please specify Brand/Make Model of the items:

NOTE: Please enclose a copy of valid certificate to substantiate as Authorized Dealer and also submit Manufacturer's authorization letter as per format mentioned in the terms and conditions, failing which quotation will be rejected.

Also confirm that "the rates quoted by you are reasonable and lowest charged to any of your customer".

Please submit your quotation strictly as per the format given in Annexure-I.

Yours faithfully,

Sd/-

Executive (Procurement)
For and on behalf of Director, NCAOR

| Sr. No. | TECHNICAL SPECIFICATION FOR 125 KVA DIESEL GENERATOR | | |
|---------|---|-----------------------------|--|
| | <u>Kirloskar (Koel) or Cummins for Indian Antarctic Station</u> | | |
| 1 | Particulars | Unit Measure | Ratings |
| 2 | Prime power rating | KVA/kW | 125/100 |
| 3 | Frequency | Hz | 50 |
| 4 | Power factor | Lagging | 0.8 |
| 5 | Voltage | V | 415 3Ø |
| 6 | Noise level | dB(A) | <75 |
| 7 | Fuel Consumption | At 100% load At 75% Load | Ltrs/hr <28 <21 |
| 8 | Fuel tank capacity | Ltrs | 230 |
| 9 | Overall dimensions of genset | Length | mm |
| 10 | Fuel | | HSD |
| 11 | Governor | | Mechanical |
| 12 | | Width | ~1100-1400 |
| 13 | | Height | ~1600-1800 |
| 14 | Dry weight of genset with canopy (approx.) | Kg | <2300 |
| 15 | Electrical Battery starting voltage | Volts-DC | 12 |
| 16 | ENGINE | | |
| 17 | Rated output | kW | ~115 (or above) |
| 18 | Aspiration | | Turbocharged Charged Air Cooled |
| 19 | No. of cylinders | Number | 4-6 |
| 20 | Bore x Stroke | mm | 105 x 120 |
| 21 | Rated Speed | RPM | 1500 |
| 22 | Lube Oil change period | hrs | 500 |
| 23 | Lube Oil Sump Capacity | Ltrs | 14-15 |
| 24 | Coolant Capacity | Ltrs | 26-28 |
| 25 | ALTERNATOR | | |
| 26 | Voltage | V | 380/415 |
| 27 | Insulation Class | | Class H |
| 28 | Alternator Efficiency (at 100% load) 0.8 pf | % | >90 |
| 29 | Max Voltage Dip at Full load 0.8 pf Lag | % | <20 % |
| 30 | Max Time to build up rated voltage at Rated RPM | sec | <5 sec provided engine reach the rated speed |
| | NOTE | | |
| 1. | The battery charger should be provided with float and boost charge selection. | | |
| 2. | Embedded Temperature Device (ETD) to be provided to sense the alternator winding temperature | | |
| 3. | If the voltage of the alternator exceeds 110 % of the rated voltage it should give an alarm and should trip immediately on reaching 130% of rated voltage | | |
| 4. | Undervoltage trip at 85% of the rated voltage | | |
| 5. | Similarly if load reaches 110% of the full load it should give an alarm | | |
| 6. | All the indication lamp should be of LED type | | |
| 7. | The alternator should be brushless type self excited, self regulated through an AVR | | |

**TECHNICAL COMPLIANCE STATEMENT FOR 125 KVA DIESEL
GENERATOR**

| Sr. No. | TECHNICAL SPECIFICATION FOR 125 KVA DIESEL GENERATOR for Indian Antarctic Station | | | COMPLIED/ NOT COMPLIED | EXTRA FEATURES |
|----------------|---|-----------------------------|--|---------------------------------------|---------------------------|
| | Specify the brand quoted Kirloskar (Koel) or Cummins | | | | |
| 1 | Particulars | Unit Measure | Ratings | | |
| 2 | Prime power rating | KVA/kW | 125/100 | | |
| 3 | Frequency | Hz | 50 | | |
| 4 | Power factor | Lagging | 0.8 | | |
| 5 | Voltage | V | 415 3Ø | | |
| 6 | Noise level | dBA | <75 | | |
| 7 | Fuel Consumption | At 100% load At 75% Load | Ltrs/hr <28 <21 | | |
| 8 | Fuel tank capacity | Ltrs | 230 | | |
| 9 | Overall dimensions of genset | Length | mm | ~3000-4000 | |
| 10 | Fuel | | | HSD | |
| 11 | Governor | | | Mechanical | |
| 12 | | Width | | ~1100-1400 | |
| 13 | | Height | | ~1600-1800 | |
| 14 | Dry weight of genset with canopy (approx.) | Kg | <2300 | | |
| 15 | Electrical Battery starting voltage | Volts-DC | 12 | | |
| 16 | ENGINE | | | | |
| 17 | Rated output | kW | ~115 (or above) | | |
| 18 | Aspiration | | | Turbocharged Charged Air Cooled | |
| 19 | No. of cylinders | Number | 4-6 | | |
| 20 | Bore x Stroke | mm | 105 x 120 | | |
| 21 | Rated Speed | RPM | 1500 | | |
| 22 | Lube Oil change period | hrs | 500 | | |
| 23 | Lube Oil Sump Capacity | Ltrs | 14-15 | | |
| 24 | Coolant Capacity | Ltrs | 26-28 | | |
| 25 | ALTERNATOR | | | | |
| 26 | Voltage | V | 380/415 | | |
| 27 | Insulation Class | | | Class H | |
| 28 | Alternator Efficiency (at 100% load) 0.8 pf | % | >90 | | |
| 29 | Max Voltage Dip at Full load 0.8 pf Lag | % | <20 % | | |
| 30 | Max Time to build up rated voltage at Rated RPM | sec | <5 sec provided engine reach the rated speed | | |
| | Note | | | | |
| 1. | The battery charger should be provided with float and boost charge selection. | | | | |
| 2. | Embedded Temperature Device (ETD) to be provided to sense the alternator winding temperature | | | | |
| 3. | If the voltage of the alternator exceeds 110 % of the rated voltage it should give an alarm and should trip immediately on reaching 130% of rated voltage | | | | |
| 4 | Undervoltage trip at 85% of the rated voltage | | | | |
| 5 | Similarly if load reaches 110% of the full load it should give an alarm | | | | |
| 6 | All the indication lamp should be of LED type | | | | |
| 7 | The altrernator should be brushless type self excited, self regulated through an AVR | | | | |
| | Running Spares for 8000hrs for each DG Set (Please mention detailed list of spares proposed to supply for 8000hrs) | | | | |

TERMS AND CONDITIONS FOR SUBMISSION OF QUOTATION.

1) The National Centre for Antarctic and Ocean Research (NCAOR) **invites sealed quotations in two-parts** from the reputed firms for the **“SUPPLY OF 125 KVA DIESEL GENERATOR”** at NCAOR, GOA as per the specifications given in Annexure I.

2) The tender should be submitted in sealed covers, super scribing tender for **“Supply & Installation of 125 KVA DIESEL GENERATOR”** sealed and addressed to the Director, National Centre for Antarctic and Ocean Research, Headland-Sada, Vasco-da-Gama, Goa-403 804. **Offer sent through fax will not be accepted.**

3) Overwriting and corrections should be attested properly. The bid should be complete in all respects and should be duly signed. Incomplete and unsigned bids will not be considered at all.

4) All relevant technical literature pertain to items quoted **with full specifications** (Drawing, if any), information about the products quoted, including brochures if any should accompany the quotation.

5) A list of **reputed clients** to whom the firm has supplied similar items to be furnished along-with the quotation.

In the BID, the Bidder should furnish the Name and address of the Purchasers placed orders on similar equipment with order No, date, Description and quantity, Date of Supply alongwith Contact person Telephone No, Fax No, and e mail address of Purchaser. The Bidder should enclose copies of Purchase Orders.

6) Quotation should be **valid for a period of 90 days** from the date of tender opening and the period of delivery required should also be clearly indicated. If the supplier fails to deliver the goods within the time to be agreed upon, for delayed deliveries and for delays in installation (wherever applicable) NCAOR reserves the right to **levy liquidated damages** at the rate of 0.5% per week or part their of upto maximum of 5%.

7) Warranty shall commence from the date of acceptance of the Generators supplied under the Purchase Order / Contract. The **warranty period** should be indicated.

8) Please **specify the Make/Brand** and Name of the Manufacturer with address.

9) The Purchaser requires that the bidders suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

“Corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution:

“fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of contract;

“collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of purchaser, designed to establish bid prices at artificial, noncompetitive levels; and

“coercive practice: means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of contract;

The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question; The Decision of Director, NCAOR shall be final and binding.

10) Bidders that doesn't manufacture the goods it offers to supply shall submit Manufacturer's Authorization form on the letterhead of the Manufacturer duly signed and stamped by a person with the proper authority to sign documents that are binding on the Manufacturer as per the following format should be submitted failing which the quotation will not be considered.

To
The Director
NCAOR
GOA

Sub: Manufacturers' Authorization form against Tender No: _____

We _____(Name of the Manufacturer) who are official manufacturers of _____(Type of goods manufactured) having factories at _____(full address of Manufacturer's factories) do hereby authorize _____(Name of the Bidder) to submit a bid against your Tender No. _____for the _____Goods manufactured by us and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty with respect to the Goods offered by the above firm

Manufacturer's Name:
Signature of Authorized
representative of the Manufacturer:

Duly authorized to sign this Authorization on behalf of : _____(Name of the Bidder)

Date:

11) Compliance Statement: Generator point-by-point comparison / compliance statement with **technical specification** indicated in the tender, should be enclosed along with your tender as well as any other extra features of the equipment be shown separately therein and also **compliance statement for all commercial terms** of the tender document.

12) NCAOR is not entitled to issue form “**C/D**”. No sales Tax or any other Tax shall be payable by us unless payment of the same is specifically mentioned by the suppliers in their bids and same is legally leviable.

13) NCAOR is **exempted from the payment of Excise Duty / Custom Duty** as per Govt. notification. Hence, the rates should be split into basic cost and Excise Duty if any.

14) Bid should contain all details and specifications, delivery schedule, payment term, user-list details of the price(s) of the item(s).

15) Please submit your quote on F.O.R. destination basis. However tender should contain item-wise prices including total ex-works price approx. cost of Transportation charges for delivery up to Goa, India.

16) A Committee constituted by the Director, NCAOR for the purpose reserves the right to open the bids. Bids will be opened on the date and time mentioned in the tender document.

17) A technical Committee constituted by the Director will assess the product supplied/installed for their quality and their conformity to the specifications provided by the firm in their quotations. Any item(s) identified by the Committee to be not as per the specifications or are found to be of inferior quality will be rejected, and the bills towards the supply will not be processed for payment till proper replacements are provided.

18) No advance payment will be made. Payment shall be made within 30 days from the date of receipt, acceptance of the Generators. The payment will be authorized after submission of a Bank Guarantee for 10% value of the order towards warranty guarantee. The **performance Bank Guarantee** should be furnished within 15 days from the date of placement of order from a reputed bank (scheduled bank in India **or** foreign bank operating in India) valid till 60 days after the warranty period.

19) The submission of tender shall be deemed to be an admission on the part of the tenderer, had fully acquainted with the specifications, drawings etc. and no claim other than what stated in the tender shall be paid in the event of award of Purchase Order.

20) Acceptance of this tender form and submission of the quote within the stipulated time would be treated as:

a) The tenderer has understood all requirements as described in our Tender document.

b) Acceptance to provide/establish all the facilities mentioned in our tender without any price escalation, if the tenderer finds it necessary to add any hardware or software or any other materials during implementation.

c) Agreeing to execute order to the satisfaction of NCAOR or its authorized representatives within the stipulated time.

21) NCAOR will not be liable for any obligation until such time NCAOR has communicated to the successful bidder of its decision to release the Purchase Order.

22) NCAOR will not be responsible for any postal delays.

23) Bidders shall note that NCAOR will not entertain any correspondence or queries on the status of the offers received against this Tender Invitation.

24) Tenders from Manufacturers/Suppliers/Tenderers whose performance was not satisfactory in respect of quality of supplies and delivery schedules in any organizations, are liable for rejection. The tenders that do not comply with the above criteria and other terms & conditions are liable for rejection.

25) The Director, NCAOR does not bind to accept the lowest quotation and reserves the right to himself, to reject or partly accept any or all the quotations received without assigning any reason.

26) All disputes arising in connection with executing the purchase order will be subject to the Jurisdiction of the Courts in Goa only.

COMMERCIAL COMPLIANCE STATEMENT FOR “SUPPLY OF 125 KVA DIESEL GENERATOR”

| Sr. No. | COMMERCIAL SPECIFICATION FOR “SUPPLY OF 125 KVA DIESEL GENERATOR” | COMPLIED/ NOT COMPLIED | EXTRA FEATURES |
|---------|--|------------------------|----------------|
| 1 | A list of reputed clients to whom the firm has supplied similar items to be furnished along-with the quotation. | | |
| 2 | In the BID, the Bidder should furnish the Name and address of the Purchasers placed orders on similar equipment with order No, date, Description and quantity, Date of Supply alongwith Contact person Telephone No, Fax No, and e mail address of Purchaser. | | |
| 3 | The Bidder should enclose copies of Purchase Orders. | | |
| 4 | SSI, NSIC Registration Certificate | | |
| 5 | Quotation should be valid for a period of 90 days from the date of tender opening and the period of delivery required should also be clearly indicated. | | |
| 6 | Warranty shall commence from the date of acceptance of the Generators supplied under the Purchase Order / Contract. | | |
| 7 | Please specify the Make/Brand and Name of the Manufacturer with address. | | |
| 8 | Compliance Statement: Generators point-by-point comparison/compliance statement with technical specification indicated in the tender, should be enclosed along with your tender as well as any other extra features of the equipment be shown separately therein and also compliance statement for all commercial terms of the tender document. | | |
| 9 | NCAOR is not entitled to issue form “ C/D ”. No Sales Tax or any other Tax shall be payable by us unless payment of the same is specifically mentioned by the suppliers in their bids and same is legally leviable. | | |
| 10 | To avail duty concessions i.e. Excise Duty as per Govt. notification 10/97 & Custom Duty as per Govt. notification 51/96, NCAOR will provide exemption certificates. Hence, the rates should be split into basic cost and Excise Duty if any. | | |
| 11 | Bid should contain all details and specifications of the equipment offered, delivery schedule, warranty, payment term, installation, training, post-warranty, user-list, service support. | | |
| 12 | F.O.R GOA price should be indicated. However tender should contain item-wise prices including total ex-works price, Excise Duty, VAT/Taxes, Charges for Inland Transportation, Insurance and other local services required for the delivering the goods on F.O.R GOA. | | |
| 13 | A Committee constituted by the Director, NCAOR for the purpose reserves the right to open the bids. Bids will be opened on the date and time mentioned in the tender document. | | |
| 14 | A technical Committee constituted by the Director will assess the product supplied/installed for their quality and their conformity to the specifications provided by the firm in their quotations. Any item(s) identified by the Committee to be not as per the specifications or are found to be of inferior quality will be rejected, and the bills towards the supply will not be processed for payment till proper replacements are provided. | | |
| 15 | No advance payment will be made. Payment for indigenous stores shall be made within 30 days from the date of receipt, acceptance and satisfactory installation of equipment. | | |
| 16 | The performance Bank Guarantee should be furnished within 15 days from the date of placement of order from a reputed bank (scheduled bank in India or foreign bank operating in India) valid till 60 days after the warranty period. | | |
| 17 | The submission of tender shall be deemed to be an admission on the part of the tenderer, had fully acquainted with the specifications, drawings etc. and no claim other than what stated in the tender shall be paid in the event of award of Purchase Order. | | |
| 18 | Acceptance of this tender form and submission of the quote within the stipulated time would be treated as: <ul style="list-style-type: none"> • The tenderer has understood all requirements as described in our Tender document. • Acceptance to provide/establish all the facilities mentioned in our tender without any price escalation, if the tenderer finds it necessary to add any hardware or software or any other materials during implementation. • Agreeing to execute order to the satisfaction of NCAOR or its authorized representatives within the stipulated time. | | |

QUESTIONNAIRE

- a. Name of the Manufacturer / Tenderer**
- b. Full postal address with Telephone, Telefax, Email**
- c. Please specify whether Public Limited, Company, Private Organization or Partnership Firm**
- d. Nature of the Business**
- e. Date of Establishment**
- f. Present Turnover**
- g. Permanent Income Tax Ref. No.**
- h. C.S.T. / S.T. NO.**
- i. Address & Telephone Nos. Of your branch office in GOA (please specify whether Distributing/Servicing/Marketing the products)**
- j. Technical Compliance statement.**
- k. Commercial Compliance Statement.**
- l. Reference of reputed Customers**
- m. Details of the highest order executed and value thereof**
- n. Authorization from Manufacturer/Supplier attached**
- o. Tender fee submitted/enclosed.**
- p. E.M.D. attached with BID.**
- q. Infrastructure facilities required for installation & commissioning attached**
- r. Technical Specifications/Literature/Brochure attached**
- s. Tender Acceptance**

TENDER ACCEPTANCE UNDERTAKING

To

The Director,
NCAOR, Headland Sada
Vasco - Goa

Having examined the tender document for “**Supply of 125 KVA Diesel Generator**” we the undersigned, hereby offer to supply the equipment in conformity with all specifications and conditions set out in the tender document.

We enclosed all the relevant documents as per the tender.

We understand that you are not bound to accept the lowest or any tender received.

Date :

(Signature of Bidder)

Name :

Designation :

Seal