



OIL INDIA LIMITED  
(A Government of India Enterprises)  
PO : Duliajan – 786602  
Assam (India)

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### FORWARDING LETTER

Tender No. : SDI5831P21 DT. 02.12.2020  
Tender Fee : NIL  
Bid Security : Applicable  
Bidding Type : SINGLE STAGE COMPOSITE BID SYSTEM  
Bid Closing on : 07.01.2021 (11.00 HRS IST)  
Bid Opening on : 07.01.2021 (14.00 HRS IST)  
Performance Security : Applicable  
Integrity Pact : Not Applicable

The complete bid documents and details for purchasing bid documents, participation in e-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website <https://www.oilindia.com/>

**NOTE:** All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e-portal only. Bidders should regularly visit above website and e-portal to keep themselves updated.

**The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence concessional rate of GST @5% against Essentiality Certificate for invoice value 1 Lakh and above will be applicable as per Notification No. 3/2017- Integrated/ Central Tax (Rate) dated 28th June, 2017.**

**In the event of order, OIL will issue Essentiality Certificate (EC), where concessional rate of GST @5% will be applicable. Supplier shall affect dispatch only on receipt of this certificate from OIL, failing which all related liabilities shall be to Supplier's account.**

OIL invites Bids for **SUPPLY, INSTALLATION & COMMISSIONING OF 62.5 KVA/ 63 KVA, 3 PHASE, 415 VOLTS, 50 HZ, 0.8 POWER FACTOR, SILENT (ACOUSTICALLY INSULATED) DIESEL ENGINE (1500 RPM) DRIVEN GENERATING SET - 03 (THREE) NOS. REQUIRED TO CATER FOR EMERGENCY POWER TO VARIOUS LOCATIONS.** through its e-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents

The general details of tender can be viewed by opening the RFX [ Tender] under RFX and Auctions. The details of items tendered can be found in the Item Data and details uploaded under Technical RFX.

**This Tender has been floated for participation of Indigenous bidders only. Hence, only Indigenous bidders are eligible to participate against this tender.**

**Consortiums/Joint venture entities are not eligible to participate against this tender.**

No physical tender documents will be provided. Details of NIT can be viewed using “Guest Login” provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL’s web site [www.oil-india.com](http://www.oil-india.com).

**The tender will be governed by:**

a) For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc, vendors should contact OIL’s ERP MM Deptt at following: Tel Nos = 0374-2807178 , 0374-2807171 , 0374-2807192 ,. Email id = [erp\\_mm@oilindia.in](mailto:erp_mm@oilindia.in).

b) OIL’s office timings are as below:

|                     | Time (in IST)                              |
|---------------------|--|
| Monday – Friday     | 07.00 AM to 11.00 AM; 12.30 PM to 03.30 PM |
| Saturday            | 07.00 AM to 11.00 AM                       |
| Sunday and Holidays | Closed                                     |

Vendors should contact OIL officials at above timings only.

c) OIL Bank Details :

|   | Bank Details of Beneficiary |  |
|---|-----------------------------|--|
| a | Bank Name                   | STATE BANK OF INDIA  |
| b | Branch Name                 | Duliajan   |
| c | Branch Address              | Duliajan, Dist-Dibrugarh                                     |
| d | Banker Account No.          | 10494832599  |
| e | Type of Account             | Current Account  |
| f | IFSC Code                   | SBIN0002053  |
| g | MICR Code                   | 786002302  |
| h | SWIFT Code                  | SBININBB479  |
| i | Contact No.                 | 9435554859   |
| j | Contact Person Name         | Mr. K.L.K.Banik, AGM   |
| k | Fax No.                     | 0374-2802729   |
| l | Email Id                    | <a href="mailto:sbi.02053@sbi.co.in">sbi.02053@sbi.co.in</a> |

- d) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.
- e) Technical specifications and Quantity as per **Annexure – 1A**.
- f) The prescribed Bid Forms for submission of bids are available in the Technical RFx-> External Area - > Tender Documents.
- g) Amendments to the NIT after its issue will be published on OIL’s website only. Revision, clarification, addendum, corrigendum, time extension etc. to the tender will be hosted on OIL website only. No separate notification shall be issued in the press. Prospective bidders are requested to visit website regularly to keep themselves updated.
- h) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- i) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the **Technical Attachment**. For details please refer “Vendor User Manual” / “NEW INSTRUCTIONS”

### **Special Notes:**

#### **1.0**

#### **(I)**

- a) Bidders who do not have E-tender Login ID and Password should complete their online registration **at least seven (7) days prior to the scheduled bid closing date** and time of the tender. For online registration, Bidder may visit the OIL’s E-tender site <https://etender.srm.oilindia.in/irj/portal>
- b) Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.
- c) **The bidder claiming as MSE status (MSE-General, MSE-SC/ST, MSE - Woman) against this tender has to submit valid “Udyam Registration No” ( URN) as per Gazette notification no CG-DL-E-26062020-220191 dated 26.06.2020 issued by MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES. The existing enterprises registered under EM- Part-II or UAM till 30<sup>th</sup> June, 2020, shall continue to be valid only for a period up to the 31<sup>st</sup> day of March, 2021.**
- d) **MSE Units** (Manufacturers/Service Providers only and not their dealers/distributors) registered with District Industry Centers or Khadi & Village Industries Commission or Khadi & Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts & Handloom or any other body specified by Ministry of MSME shall submit copy of valid Registration Certificate for the items they intend to quote along with the bid. The Registration Certificate should clearly indicate the monetary limit, if any and the

items for which bidder are registered with any of the aforesaid agencies. In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur/Woman Entrepreneurs should also be enclosed.

The turnover related figures of the bidders claiming as MSE bidders as mentioned above shall be considered based on Bidders self-declarations to be submitted with their bid as per new gazette notification no. CG-DL-E-26062020-220191 dated 26.06.2020. However, in case of any intentional misrepresentations or attempts to suppress facts in the self-declaration, the bidder shall be liable to penalty as specified under section 27 of the Act.

The above mentioned **MSE Units** (Manufacturers/Service Providers only and not their dealers/distributors) are **exempted from payment of Bid Security (EMD)** irrespective of their monetary limit, product category and capacity mentioned in their registration, **subject to submission of valid MSE registration certificate issued by appropriate authority.**

- e) For availing benefits under Public Procurement Policy (**Purchase preference**), the interested MSE Bidders must ensure that they are the **manufacturers of the tendered item(s) and registered with the appropriate authority for the said item(s).** Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority specifying the item as per tender. Therefore, it is in the interest of such MSE Vendors to furnish a copy of complete certificate to the concerned tender handling officer of **OIL at least seven (7) days prior to the scheduled Bid Closing Date of the tender**, seeking clarification/confirmation as to whether their MSE certificate is eligible for EMD exemption or not. **Late communication in this regard and request for bid closing date extension on that plea shall not be entertained by Company.**

**(II)**

In case a Startup [defined as per Ministry of Commerce and Industry (Department of Industrial Policy and Promotion, DIPP) latest notification]/ MSE is interested in supplying the tendered item but does not meet the Pre-Qualifying Criteria (PQC)/ Proven Track Record (PTR) indicated in the tender document, the Startup/MSE is requested to write a detailed proposal separately, and not against the present tender requirement, to the tender issuing authority about its product. Such proposals shall be accompanied by relevant documents in support of MSE (where applicable) or in case of Startup, following documents shall be given:

1. Certificate of Recognition issued by the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
2. Certificate of incorporation.
3. Audited Profit & Loss (P&L) Statement of all the Financial Years since incorporation. In case where the Balance sheet has not been prepared, bidder shall submit a certificate in original from its CEO/CFO stating the turnover of the bidding entity separately for each Financial Years since incorporation alongwith a declaration stating the reason for not furnishing the audited P&L Statement. This certificate shall be endorsed by a Chartered Accountant/Statutory Auditor.

The Proposal shall be examined by OIL and OIL may consider inviting a detailed offer from the Startup/MSE with the intent to place a TRIAL or TEST Order, provided the Startup/MSE meets the Quality and Technical Specifications.

In case the Startup/MSE is successful in the Trial Order, the vendor shall be considered for PQC exemption/relaxation (as the case may be) for the next tender for such item till the time it remains a Startup/MSE

**NOTE:**

In case of MSE/PSUs/ Govt. Bodies / eligible institutions etc., they must apply to concerned tender handling officer, Materials Department, Oil India Limited, P.O. Duliajan, Assam-786602 for waiver of EMD upto one week prior to the Bid closing date (or as amended in e-portal).

2.0 The tender is invited under SINGLE STAGE- COMPOSITE BID SYSTEM. The bidders are required to submit both the “TECHNO-COMMERCIAL UNPRICED BID” and “PRICED BID” through electronic format in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.

2.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFX Response-> Technical Attachment only. For details please refer “NEW INSTRUCTIONS” . Please refer Annex-BB for price schedule.

3.0 Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with **Tender no.** and **Due date** to **GM- Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

- a) **Original Bid Security**
- b) **Detailed Catalogue (if any)**
- c) **Any other document required to be submitted in original as per tender requirement**

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in Duplicate.

**4.0 Benefits to Micro & Small Enterprises (MSEs) as per OIL’s Public Procurement Policy for Micro and Small Enterprises (MSEs) shall be given. Bidders are requested to go through ANNEXURE – I of MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders for more details.**

5.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

6.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

7.0 Bid must be submitted electronically only through OIL’s e-procurement portal. Bid submitted in any other form will be rejected.

8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the **Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per Annexure-CCC) contradict the Clauses of the tender and /**

or “General Terms & Conditions” as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders elsewhere, those in the BEC / BRC shall prevail.

9.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

10.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

11.0 If Bank Guarantee is submitted towards ‘Bid Security’, then bidders have to ensure that the Bank Guarantee issuing bank indicate the name and detailed address (including e-mail) of their higher office from where confirmation towards genuineness of the Bank Guarantee can be obtained.

12.0 Bidders are requested to refer to the enclosed **Annexure – BBB** for the Taxes and Duties clauses under GST regime.

**13.0 Delivery/collection Instructions in cases where transportation is in OIL's scope:**

(i) the suppliers shall be required to deliver the Sundry consignments of weight less than 3 (Three) Tons at the godown/office/collection point of OIL's authorized transporter in various cities.

(ii) consignments weighing more than 3(Three) Tons shall be collected from the supplier's premises/loading points by OIL's authorized transporter.

(iii) The name of OIL's current authorized transporter is M/s Western Carriers (India) Ltd.

**Bidder's are requested to note the above delivery/collection instructions while submitting their offers.**

14.0 While submitting the offers bidders are requested to refer to the enclosed **Annexure – BB (Price Bid Format and Evaluation Criteria)**.

15.0 Bidders should fill-up and submit alongwith their bid an **UNDERTAKING** towards **authenticity of information/documents** furnished by them, as per enclosed **ANNEXURE-K**.

**16.0 The applicable GST on the Liquidated Damage if any, shall have to be borne by the seller. Accordingly, the Liquidated Damage shall be recovered from the seller along with applicable GST.**

17.0 For convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL's e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/ costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. In case the Price-Bid is invited by Company through attachment form under "Notes & Attachment" (i.e., NO PRICE Condition), Bidders must upload their detailed Price-Bid as per the prescribed format under "Notes & Attachment", in addition to filling up the "Total Bid Value" Tab taking into account the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Condition (i.e., Price Bid in attachment form), the "Total Bid Value" as calculated & quoted by the Bidder shall only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/ omissions therein, if any. Notwithstanding to sharing the "Total Bid Value" or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the uploaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the-tender.



**18.0 DISCLAIMER:** Rates/Costs shown above are as calculated/quoted by the respective Bidder. Company does not assume any responsibility and shall not be liable for any calculation error or omissions. However, for placement of order/award of contract, Company shall evaluate the cost details to determine the inter-se-ranking of Bidders strictly as per their Price-Bids and Bid Evaluation Criteria of the Tender. OIL INDIA LTD accepts no liability of any nature resulting from mismatch of "Total Bid Value" & price submitted under "Notes & Attachment" by any bidder and no claim whatsoever shall be entertained thereof.

**19.0 PBG UNDERTAKING FORM:**

In the event of award of purchase order against this tender, the successful bidder **must comply with the stipulations** of the enclosed **“PBG UNDERTAKING FORM - ANNEXURE-M”** and submit it duly filled-in along-with their PBG (Performance Bank Guarantee).

**20. RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES A LAND BORDER WITH INDIA:**

It is for information of all Bidders that Office Memorandum No. F.No.6/18/2019-PPD dated 23.07.2020 issued by Public Procurement Division under Department of Expenditure of Ministry of Finance will also be applicable against the tender. Therefore, all bidders are requested to be guided by the **Cluses** stipulated in the enclosed **Annexure-N** of this tender. In this respect, the format of **Undertaking** to be submitted by the bidders is given vide **Annexure-XX** of this tender.

Please do refer **“NEW INSTRUCTION TO BIDDER FOR SUBMISSION”** for the above two points and also please refer **“ New Vendor Manual (effective 01.03.2019) ”** available in the login Page of the OIL's E-tender Portal.



**NOTE:**

**Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.**

**Yours Faithfully**

**Sd-  
(B BORAH)  
SPO (IP)**

**FOR: CGM-MATERIALS (HOD)**



**Tender No & Date: SDI5831P21 DT. 02.12.2020**

**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

| <b><u>Criteria</u></b>  | <b>Complied /<br/>Not<br/>Complied.<br/>(Remarks if<br/>any)</b> |
|---|--|
| <p><b><u>1.0 BID REJECTION CRITERIA (BRC):</u></b></p> <p>The bid shall conform generally to the specifications, terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p><b><u>A) TECHNICAL:</u></b></p> <p>1.0 Bidders should have the experience of successfully executing at least one similar order of minimum capacity of 62.05/63 kVA in the last five years before bid closing date of this tender to State/Central PSUs or State/Central Govt. Dept. of India or any other Public Limited Company.</p> <p align="center">OR</p> <p>Bidders should have the experience of successfully executing at least one similar order of Diesel Engine Driven Generating Set of value Rs. 1,515,000.00 in the last five years before bid closing date of this tender to State/Central PSUs or State/Central Govt. Dept. of India or any other Public Limited Company.</p> <p><b><u>Similar order means Diesel Engine Driven Generating Set of minimum capacity of 62.05/63 kVA</u></b></p> <p>Documentary evidence in respect of the above should be submitted in the form of copy of relevant Purchase Order along with copies of any of the documents in respect of satisfactory execution of each of those Purchase orders, such as</p> <p>Satisfactory Inspection Report<br/>Satisfactory Supply Completion/Installation Report<br/>Consignee Receipted Delivery Challan<br/>Central Excise Gate Pass/tax invoices issued under relevant rules of Central excise/VAT/GST<br/>Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above.</p> |  |

**Note:**

**I) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.**

**II) Satisfactory supply/completion/installation report (if submitted) should be issued on client's official letterhead with signature and stamp**

**B) FINANCIAL:**

a) Annual Financial Turnover of the bidder during **any of preceding 03 (three) financial / accounting years from the original bid closing date** should be at least **₹ 15.15 lakhs.**

b) Net Worth of the firm should be Positive for preceding financial / Accounting year. (FY=2019-2020)

**Note -For (a) & (b): Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year 2019-20 (As the case may be) has actually not been audited so far'.**

**Notes:**

a) **For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-**

i) **A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE-J.**

**OR**

ii) **Audited Balance Sheet along with Profit & Loss account.**

b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

**C) COMMERCIAL:**

i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.

ii) **Bid security:**

The bid must be accompanied by Bid Security of **₹ 60,600.00** in OIL's prescribed format as Bank Guarantee in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to DGM-Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 6 months from Bid closing date. (i.e. 31.07.2021)**

**Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.**

**If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.**

For exemption for submission of Bid Security, please refer Clause No. 8.16 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

**The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.**

iii) Bids are invited under “**Single Stage Composite Bid System**”. Bidders have to submit both the “Techno-commercial Unpriced Bids” and “Priced Bids” through electronic form in the OIL’s e-Tender portal within the bid Closing date and time stipulated in the e-tender. The Techno-commercial Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

iv) **Performance Security:**

The successful bidder shall submit Performance Security @ 10% of PO value within 30 days of receipt of the formal purchase order failing which OIL reserves the right to cancel the order and forfeit the Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.

The Performance Security shall be in the following form :

**A Bank Guarantee in the prescribed OIL’s format valid for 90 days beyond delivery period and applicable warranty/guarantee period (if any).**

**The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to**

**be extended suitably as advised by OIL.**

**However, PBG will be applicable only if value of Purchase Order exceeds Rs 5(five) lakhs.**

v) The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

vi) Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

vii) All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.

viii) Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.

**ix) A bid shall be rejected straightway if it does not conform to any one of the following clauses:**

**(a) Validity of bid shorter than the validity indicated in the Tender.**

**(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.**

**(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.**

**(d) Annual Turnover of a bidder lower than the Annual turnover mentioned in the Tender.**

**X) DELIVERY:**

**THE DELIVERY OF THE EQUIPMENT TO BE COMPLETED WITHIN 06 MONTHS FROM RECEIPT OF THE PURCHASE ORDER.**

**THE INSTALLATION & COMMISSIONING OF THE EQUIPMENT IS TO BE COMPLETED WITHIN THREE MONTHS FROM THE DATE OF RECEIPT OF SITE CLEARANCE FROM OIL.**

**NOTE: FOR CLAUSE NOS. C(ii) & C(iv) OF BID SECURITY/EMD AND PBG**

The bidders/successful bidders are requested to advise the Bank Guarantee issuing bank to comply with the following and ensure to submit, the receipt of the copy of SFMS message as sent by the issuing bank branch, along with the original bank guarantee in OIL's tender issuing office:

**“The Bank Guarantee issuing Bank branch must ensure the following:  
The Bank Guarantee issued by the Bank must be routed through SFMS  
platform as per following details:**

- (i) MT 760 / MT 760 COV for issuance of Bank Guarantee**
- (ii) MT 760 / MT 767 COV for amendment of Bank Guarantee**

**The above message / intimation shall be sent through SFMS by the BG  
issuing Bank branch to HDFC Bank, Duliajan Branch, IFS Code –  
HDFC0002118; SWIFT Code - HDFCINBBCAL.**

**Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex,  
BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 786602.”**

## **2.0 BID EVALUATION CRITERIA (BEC)**

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below. **The original Bid Closing Date shall be considered by OIL for evaluation of BRC criteria even in case of any extension of the original Bid Closing Date.**

### **A) TECHNICAL:**

i) The bids will be evaluated strictly as per NIT specification, terms & conditions.

### **B) COMMERCIAL:**

i) To evaluate the inter-se-ranking of the offers, all Taxes / Levies will be considered as per prevailing Govt. guidelines as applicable on the bid opening date. Bidders may check this with the appropriate authority before submitting their offer.

ii) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.

iii) To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

### **NOTE:**

**Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the terms and conditions of NIT.**

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**TECHNICAL SPECIFICATIONS WITH QUANTITY****Tender No & Date: SDI5831P21 DT. 02.12.2020**

|  | <b>Complied / Not Complied. (Remarks if any)</b> |
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| <p><b><u>ITEM NO. 10</u></b></p> <p>Procurement of 62.5 KVA/ 63 KVA, 3 phase, 415 volts, 50 Hz, 0.8 Power Factor, silent (acoustically insulated) Diesel Engine (1500 RPM) Driven Generating Set - 03 (three) nos. required to cater for emergency power to various locations.</p> <p>Factory assembled 62.5/63 kVA, 3 phase, 415 volts, 50 Hz, 0.8 Power Factor, silent (acoustically insulated) Diesel Engine (1500 RPM) Driven Generating Set –03 (THREE) nos.</p> <p>Detail as per Attachment – (ANNEXURE – A).</p> <p>Note: The bidders are to be asked to fill in the "Bidder's Remarks" column (extra sheet if required may please be attached) of the file while sending their offers.</p> |  |
| <p><b><u>ITEM NO. 20</u></b></p> <p><b><u>INSTALLATION &amp; COMMISSIONING – QTY = 01 AU</u></b></p>   |  |

**SPECIAL TERMS & CONDITION:**

1.0 The Diesel engine should be a proven engine of generating set application with a four stroke, Multi cylinder, naturally aspirated /Turbocharged, air cooled/water cooled , inline engine , conforming to ISO 3046 / BS 5514 / IS 10000 or relevant standards and capable of developing a net Horse Power( at 1500 rpm) require to drive a brushless alternator of capacity 62.5/63 KVA rated for Prime Duty as per ISO 8528 standard.

1.1 Certification/declaration to be enclosed from the engine OEM, mentioning the net HP available to drive the alternator and compliance of above standard. In this regard the copy of such record to be furnished as per the following: 1) Certificate from OEM (engine) mentioning the net BHP along with the standard printed catalogue/leaflet, 2).Proven certificate of the engine for generating set application from OEM (Engine).

2.0 The DG set should be enclosed in Acoustic Enclosure, and meet the norms of the latest Environment (protection) Act 1986 (CPCB II) for emission and noise level. The bidder shall furnish Type Approval and Conformity of Product certificates from the authorized agencies of Certification.

3.0 Bidder's Qualification :

3.1 Bidder may be an Original Equipment Manufacturer (OEM) of Generating set/Engine/Alternator.

OR

Bidder may be an authorized dealer of OEM for the Engine/Alternator /Generating set.

OR

Bidder may be an OEM or its authorized dealer approved assembler of Generating set.

3.2 In case the bidder is an OEM of Engine or their authorized dealer, Alternator must be purchased from the OEM of Alternator or their authorized dealer and vice versa.

OR

In case the bidder is an OEM approved assembler of Generating sets, Engine and Alternator must be purchased from OEM or their authorized dealers.

Note: But whatever may be their status in para 3.1 & 3.2 above, if the Engine or the Alternator or both of them are bought out item for the bidder, it must be purchased from their respective OEM or their authorized dealer only. Supporting documentary evidence of such purchase(s) shall be shown during pre-dispatch inspection and to be supplied with the delivery of the units.

4.0 The offered DG set should have valid Type Approval / Conformity of Production Certificate from Certification Agencies as per latest CPCBII notification for Noise Limit.

A copy of the same has to be furnished along with the offer.

Also certificate/conformity number along with equipment (engine & alternator details) are to be displayed suitably as per the accordance of CPCB.

[Certification agencies/Authorized agencies of certification are-1)ARAI,Pune 2) Naval Science & Technology Laboratory, Visakhapatnam 3) Fluid Control Research Institute, Palghat 4) National Aerospace Laboratory, Bangalore 5) International Centre for Automotive Technology, Manesar, Haryana 6) National Test House (Northern Region), Ghaziabad, Uttar Pradesh ].

5.0 OIL's Purchase Order No must be marked/ written on the enclosure.

**NOTE:**

**Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.**



**ANNEXURE A**

| Sl. no. | Description     | Specifications  | Bidder's Remarks (please specify the details. Attach Separate Sheet if necessary) |
|---------|-----------------|---|---|
| I       | General         | Diesel Generating set of capacity 62.5/63 KVA, 3 phase, 415 volts, 50 Hz, 0.8 Power Factor, complete with Diesel Engine (@1500 rpm), Alternator, Electric Control Panel and Acoustic Enclosure conforming to the specifications given below. Diesel engine and alternator shall be closely coupled (as per manufacturer's standard) and mounted on a base plate of robust in construction.  |   |
| II      | Statutory Norms | <p><b>1)Engine:</b><br/>The emission limit of the Diesel engine of the generating set must comply with the latest CPCBII norms or as notified by Govt. of India as per <b>G.S.R. 771(E)</b>. –sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government (Govt. of India) and subsequent notifications as applicable.</p> <p>(i) The offered Engine of the DG set should have valid Conformity of Production Verification for Emission Compliance from Certification Agencies as per latest CPCBII notification. A copy of the same has to be furnished along with the offer.</p> <p><b>2) Acoustic Enclosure(Canopy) :</b><br/>(i) The offered DG sets should be enclosed in Acoustic Enclosure mounted on to common base frame with provision of easy portability of the whole generating set. The maximum permissible sound pressure level for the diesel generator (DG) sets should be 75 dB(A) at 1 meter away from the enclosure surface and must conform to the latest CPCB norms.[As notified by Environment (Protection) second Amendment Rules vide GSR 371(E), dated 17th May 2002 at serial no.94 and its amendments vide GSR No 520(E) dated 1st July 2003; GSR 448(E), dated 12th July 2004; GSR 315(E) dated 16th May 2005; GSR 464(E) dated 7th August 2006; GSR 566(E) dated 29th August 2007 and GSR 752(E) dated 24th October 2008; G.S.R. 215 (E), dated 15th March, 2011 under the Environment (Protection) Act, 1986]</p> <p>(ii) The offered DG set should have valid Type Approval / Conformity of Production Certificate from Certification Agencies as per latest CPCBII notification for Noise Limit. A copy of the same has to be furnished along with the offer.</p> <p><b>3)The bidder must confirm the following in their bid, failing which their bid shall be rejected:</b><br/>(i) In the event of any new CPCB norms/regulations governing Diesel Engine driven Generating set are made effective prior to delivery of the Set (but after bid closing date) the supplied DG set shall comply with the latest CPCB norms/regulations.<br/>(ii) The compliance report from Govt. approved agencies, if any, must be submitted prior to dispatch of the Generating set for OIL's scrutiny and acceptance.</p> |   |

**ANNEXURE A**

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| <b>III</b> | <b>Prime mover (Diesel Engine)</b> | 1) <b>General Site Conditions:</b><br>(i) Maximum Temperature : 45°C, Minimum Temperature : 5°C<br>(ii) Maximum Relative Humidity at 21°C: 100 %, at 35 °C: 95 %, at 41 °C: 70%<br>(iii) Maximum Altitude above mean Sea Level : 150M   |  |
|            |                                    | 2) <b>Governing Standards:</b><br>(i) Engine: IS: 10001/BS: 5514 or applicable standard.<br>(ii) Governing: Class A-1 specifications of IS: 10000 / BS: 5514. OR Governing class (As per ISO 8528 Part-V)   |  |
|            |                                    | 3) <b>Make of engine:</b>   |  |
|            |                                    | 4) <b>Model of engine:</b>  |  |
|            |                                    | 5) <b>Duty:</b>   |  |
|            |                                    | 6) <b>RPM:</b> 1500   |  |
|            |                                    | 7) <b>Fuel:</b> HSD: IS 1460 (latest edition)   |  |
|            |                                    | 8) <b>Start:</b> Electric Start   |  |
|            |                                    | 9) <b>Cycle:</b> Four Stroke  |  |
|            |                                    | 10) <b>Cylinder:</b> Multi cylinder (Bidder to specify number of cylinders of the offered engine)   |  |
|            |                                    | 11) <b>Engine Arrangement:</b> Vertical Inline Engine   |  |
|            |                                    | 12) <b>Compression Ratio:</b>   |  |
|            |                                    | 13) <b>Size ( bore &amp; stroke):</b>   |  |
|            |                                    | 14) <b>Displacement:</b>  |  |
|            |                                    | 15) <b>Aspiration:</b> Naturally Aspirated or Turbocharged.   |  |
|            |                                    | 16) <b>Engine Cooling System:</b> Water Cooled(fitted with Blower Type Radiator Cooling System)   |  |
|            |                                    | 17) <b>Gross HP at 1500 RPM:</b>  |  |
|            |                                    | 18) <b>HP Deductions:</b> (Please specify the considered deductions)  |  |
|            |                                    | 19) <b>Net Minimum Available Horse Power:</b> Engine should be able to develop power required for driving a generating set of 62.5/63KVA rated for Prime Duty at 1500 rpm (Output available with varying load for an unlimited time) with an overload capacity of 10% for a period not exceeding One Hour in any 12 hours running when running at 1500 R.P.M. The Supplier should mention the NET available power for Gen set for Prime duty application. |  |
|            |                                    | 20) <b>Power for Prime Duty:</b> 62.5/63 KVA (Output available with varying load for an unlimited time). The engine shall be capable of delivering the rated output without undue heating of the engine or any other mechanical trouble, as per site conditions given at (1) above.   |  |

**ANNEXURE A**

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|  |  | <p>21) <b>Specific Fuel Consumption at:</b></p>   |  |
|  |  | <p>a. 100% Load</p>   |  |
|  |  | <p>b. 75% Load</p>  |  |
|  |  | <p>c. 50% Load</p>  |  |
|  |  | <p>22) <b>Lube Oil Consumption( LT/HR):</b></p>   |  |
|  |  | <p>23) <b>Air Intake System:</b> Type of Air cleaner of the offered engine to be furnished.</p>   |  |
|  |  | <p>24) <b>Starting System:</b> The Starting System should comprise of Maintenance Free Lead – Acid Batteries with 180 AH Capacity of Reputed Make, Engine mounted Battery charging Alternator (Make: LUCAS TVS). 12 Volt Starter (Make: LUCAS TVS/ DELCO REMY) and Starting ring fitted to the Engine Flywheel.</p>   |  |
|  |  | <p>25) <b>Engine Exhaust System:</b> The Exhaust System should comprise of: Exhaust Manifold, Stainless steel Exhaust Flexible connection, Exhaust Silencer, Spark Arrestor and associated Piping connections with proper clamping arrangement with all exposed parts properly insulated.</p>   |  |
|  |  | <p>26) <b>Fuel System:</b> The Fuel System should comprise of Mechanical Governor, Fuel Injectors, Fuel Pump, Fuel Filter Assembly, Fuel lines and Fuel Tank having storage capacity to meet the Fuel requirements of 12 hours of full/variable load operations. The fuel system should include fuel level indicator and external arrangement for filling / topping up with anti-theft locking arrangement.</p>   |  |
|  |  | <p>27) <b>Lubricating System:</b> The Lubricating System should comprise of Gear driven lubricating Oil Pump. Lubricating Oil Filter with a replaceable Filter Element. Lubricating Oil Cooler, Lubricating Oil Pan, Oil level dipstick and Crankcase breather.</p>   |  |
|  |  | <p>28) <b>Gauges and Instruments:</b><br/>                 The Engine instrument Panel should include the following:<br/>                 i) Lubricating oil pressure gauge<br/>                 ii) Lubricating oil temperature gauge<br/>                 iii) Starting Switch<br/>                 iv) Digital/Mechanical Tachometer and Hour Meter<br/>                 v) Ammeter / Battery Charging Indicator<br/>                 vi) Engine Low Lube Oil Pressure indication display red lamp<br/>                 vii) Engine Over Temperature / Cooling System Failure indication display red lamp<br/>                 viii) Emergency Stop Switch (Mounted on exterior of the Acoustic Canopy)<br/>                 NB: All the Gauges and Instruments should be easily visible from outside of the Acoustic Enclosure/ Canopy.</p> |  |
|  |  | <p>29) <b>Engine Safety Controls:</b> The following Safety shut off/trip system should be incorporated to Shut Down the Engine in the event of:<br/>                 i) Low Lubricating oil pressure.<br/>                 ii) Engine over speed.</p>   |  |

**ANNEXURE A**

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|           |                   | <p>iii) Engine over Temperature / Cooling System Failure.<br/>NB: The Safety shut off/trip system should indicated the type of trip in case of activation and also should have an audible alarm/ hooter to indicate Tripping of the Engine.</p>  |  |
|           |                   | <p>30) <b>Other Features should be as under:</b><br/>                     i) Flywheel<br/>                     ii) Flexible Coupling<br/>                     iii) Lifting eyes<br/>                     iv) Standard Guards over Belt Drives (Blower Fan Drive, charging, Alternator drives pulley and flexible coupling)<br/>                     v) Standard Painting<br/>                     vi) SAE standard rotation</p>  |  |
|           |                   | <p>31) The engine of the offered DG Set should have the following:<br/>                     (i) A proven track record for DG Set applications in Central/State PSUs or Central/State Govt. Organizations of India or any other Public Limited Company. Relevant documentary evidence in this regard to be furnished.<br/>                     (ii) It should also have logged minimum successful 6000 hours of running or should have completed one year of successful running from its date of commissioning in the last 5 years prior to the bid closing date of this tender. Satisfactory performance certificate from end user in this regard to be furnished.</p> |  |
| <b>IV</b> | <b>Alternator</b> | <p><b>1. General Description:</b><br/>Brushless type alternator with specification as detailed below shall be supplied that would be coupled with the engine (specification mentioned above).</p>  |  |
|           |                   | <p><b>2. Make :</b> Crompton Greaves/Stamford/Kirloskar/NGEF/ABB/Kato/Caterpillar</p>  |  |
|           |                   | <p><b>3. Rated Output:</b> 62.5 / 63 kVA prime power rating at 0.8 PF at specified ambient conditions.</p>   |  |
|           |                   | <p><b>4. Rated Voltage:</b> 415 +/- 5% Volts, Phase-to-Phase</p>   |  |
|           |                   | <p><b>5. Phase :</b> 3 phase 4 wire i.e. neutral point has to be brought out to terminal box</p>   |  |
|           |                   | <p><b>6. Type :</b> Brush less</p>   |  |
|           |                   | <p><b>7. Frequency rated / cycle :</b> 50 +/-3% Hz</p>   |  |
|           |                   | <p><b>8. Rated power factor :</b> 0.8 lagging</p>  |  |
|           |                   | <p><b>9. No. of Poles :</b> 4</p>  |  |
|           |                   | <p><b>10. Class of insulation :</b> Class F however temperature rise shall be limited to Class B.</p>  |  |
|           |                   | <p><b>11. RPM :</b> 1500</p>   |  |
|           |                   | <p><b>12. Phase sequence :</b> UVW</p>   |  |

**ANNEXURE A**

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|  | <b>13. Conform to:</b> IS/IEC 60034, IS: 13364 part 2 with latest amendments.  |  |
|  | <b>14. Rating :</b> Prime Power, duty suitable for Motor loads.  |  |
|  | <b>15. Connection :</b> Y (Star) + Neutral   |  |
|  | <b>16. Ambient :</b> 45 °C max, 5 <sup>0</sup> C min, RH 98%   |  |
|  | <b>17. Alternator Enclosure Protection:</b> min. IP 23   |  |
|  | <b>18. Alternator Terminal Box Protection:</b> min. IP 44  |  |
|  | <b>19. Mounting :</b> Foot mounted   |  |
|  | <b>20. Excitation system:</b><br>i. Excitation shall be brush-less, self excited and self regulated with solid state AVR<br>ii. Exciter shall be able to meet VG3 voltage regulation characteristics as defined in Table -1 of IS-13364 (Part 2)<br>iii. Exciters shall be rated 1.25 times the full load (rated) conditions.<br>iv. The exciters shall be capable of delivering the required excitation current for overloads of current 50% in excess of its rated current for a period not less than 15 seconds.<br>v. The brush less alternator shall have 3 phase exciter and rotating rectifier-bridge mounted on shaft complete with diodes and surge suppressor, main field windings and stator windings<br>vi. PIV of exciter diodes must be 800v or 8 times the maximum exciter armature operating voltage, whichever is higher.<br>vii. At nominal speed the excitation system must produce sufficient residual voltage in order to ensure self-excitation. |  |
|  | <b>21. AVR:</b><br>i. AVR shall be suitable for motor loads and with VG3 regulation characteristics as defined in Table -1 of IS-13364 (Part 2).<br>ii. AVR shall be mounted in the control panel as described in clause V with vibration proof support to reduce vibration.<br>iii. In the event of any fault due to over voltage/high bearing temperature/high winding temperature, or an external fault, the AVR shall disconnect the excitation voltage.   |  |
|  | <b>22. Motor starting ability:</b> 200 % of FLC for 10 sec with maximum voltage dip of 20%.  |  |
|  | <b>23.</b> The alternator should be capable of sustaining a 10 % over load for one hour in any 12 hours operation.   |  |
|  | <b>24.</b> The alternator should be capable of withstanding 1.2 times the rated speed without any damage.  |  |
|  | <b>25. General Construction:</b><br>i. All windings shall be made from electrolytic grade copper of high purity.<br>ii. The alternator shaft should be supported on rolling element bearings at DE and NDE. Single bearing design will also be considered.   |  |

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|          |                                 | <ul style="list-style-type: none"> <li>iii. Alternator stator winding terminals are to be connected to 4 nos. of suitably rated terminals supported on sheet moulding compound (SMC) supports inside the alternator terminal box.</li> <li>iv. 02 (two) nos. of earth studs are to be provided on both sides of the alternator.</li> <li>v. Alternator windings and AVR should be suitable for humid atmosphere as per ambient conditions mentioned in the enquiry. AVR should be suitable for motor load duty.</li> <li>vi. Alternator frame should be made from MS or Cast steel.</li> </ul>   |  |
|          |                                 | <b>26. Frame size :</b> Bidder to confirm  |  |
|          |                                 | <b>27. Cooling:</b> Air cooled by integral fan   |  |
|          |                                 | <b>28.</b> Bidder to mention efficiency of the alternator at 25 %, 50 %, 80 %, 100% load at 0.8 pf.  |  |
|          |                                 | <b>29.</b> The alternator terminal box should be suitable and should have sufficient space for terminating one no 4 core X 25 sq.mm, 1000V grade PVC insulated and PVC sheathed, armoured, stranded Aluminium cable. Separate cable box may be provided for supporting the power cable. Suitable size of cable gland should be fitted in the terminal box. Cable gland and entry hole shall also be required for AVR cables as AVR shall be mounted in the control panel.  |  |
| <b>V</b> | <b>Electrical control panel</b> | <p>A standalone Electrical Control Panel shall be incorporated inside the acoustic enclosure with the provision of easy ON/OFF operation.</p> <p>The Electrical Panel shall comprise mainly of the following components:</p> <ul style="list-style-type: none"> <li>i. 1 no. 100A MCCB</li> <li>ii. AVR</li> <li>iii. Metering/Instrumentation devices and circuit.</li> <li>iv. 1 no. 100A Change over switch (CoS).</li> </ul> <p>Layout of the components inside the panel should be systematic and arranged in such a manner that sufficient space inside the panel is available for maintenance. The CoS if required may also be placed in a separate panel however inside the acoustic enclosure itself.</p> |  |
|          |                                 | <p><b>1. MCCB:</b> The panel shall have one No. 415V, 100A, 4 pole, 25kA microprocessor based MCCB with have inbuilt electronic trip unit with adjustable current and time setting (preferably knob/adjustable screw type) for.</p> <ul style="list-style-type: none"> <li>i. Overload protection, Ir : 0.5-1.0 X In</li> <li>ii. Ground Fault protection Ig: 0.2-1.0 X In</li> <li>iii. Instantaneous Short Circuit protection, Ii: 1.5-10 X In</li> <li>iv. Neutral Protection against Overload and Short-circuit: 0%, 50% or 100%.</li> </ul>   |  |

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|  |  | <p>v. Earth-leakage protection either through in-built earth leakage module or through separate CBCT &amp;ELR. EL current Range: 0-3A, adjustable in preferred steps of 50/100mA</p> <p>vi. Trip Time Range: 0-5s, adjustable in preferred steps of 50/100ms.</p> <p>vii. The relay must have indication LEDs for trip indication, test push button and reset push button</p> <p>The MCCB shall be operable from outside the panel/cubicle door. However the handle shall not project outside the acoustic enclosure.</p> <p>Make: Legrand/ Merlin-Gerin/ABB/ Schneider/ L&amp;T/ Siemens/Havells</p>  |  |
|  |  | <p>2. The AVR as described in Clause IV.21 shall be mounted inside the control panel with vibration proof support.</p>   |  |
|  |  | <p>3. Metering/Instrumentation Circuit: Following instruments and indication lamps shall be mounted on the front of the panel.</p> <p>i. 1 No. Power &amp; Energy monitor (Multi-function meter) showing Voltage, current, power (KW), Power factor, KWH &amp; Maximum demand, 5 elements of power showing at a glance with communication port compatible to PCs.<br/>Make of Meter – Siemens (Sentron PAC 3200)/ SOCOMEC -HPL ( Model -DIRIS A 40/A41)/ Schneider Group (Model- PM700)/AE/Conzerve/L&amp;T/Alstrom</p> <p>ii. 01 No. Hour meter to indicate engine run hours ( AEL / L&amp;T make</p> <p>iii. The control panel should have following indication lamps mounted on panel front door. All lamps shall be of LED type, 240v AC having long life and low energy consumption.</p> <p>a. MCCB ON in Green</p> <p>b. MCCB tripped in Amber</p> <p>c. 3no. of indication lamps for phase healthy indication in Red, Yellow and Blue.</p> <p>d. Set Running.</p> <p><b>Necessary provision shall be made on the acoustic enclosure with toughened glass such that the measuring instruments and the indication lamps are visible from outside for monitoring of the operation of the DG set.</b></p> |  |
|  |  | <p>4. The output from the Alternator Terminal box shall be connected to the incomer of the control panel through heavy duty 4C X 25 sqmm, 1100V grade PVC insulated and PVC sheathed, armoured, and stranded copper cable approved by IS-1554. Cables are to be connected using copper lugs. Make: NICCO/CCI/ Incab/Universal/Necab/Polycab/RPG/Finolex/Havells.</p>   |  |



**ANNEXURE A**

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|  |  | <p><b>5.</b> AVR shall also be wired from alternator terminal box to control panel by the party using heavy duty PVC insulated and PVC sheathed, 1100 v grade screened, stranded, ISI approved copper cable of suitable size and cores. Cables are to be connected using copper lugs. Make: NICCO/CCI/ Incab/Universal/Necab/Polycab/RPG/Finolex/Havells.</p>  |  |
|  |  | <p><b>6.</b> Power cable from alternator terminal box to panel and AVR cable shall be protected in their run from unit to control panel to avoid any damages.</p>  |  |
|  |  | <p><b>7.</b> Suitable provision shall be made for safe routing of output cable from panel to outside of the unit.</p>  |  |
|  |  | <p><b>8.</b> Separate fuses and neutral links should be provided for control circuit indicating system lamps, instruments, enclosure illumination and tripping circuit<br/>Proper Terminal strips shall be provided inside the panel for terminating the AVR cable from Alternator as necessary.</p>   |  |
|  |  | <p><b>9.</b> Proper Terminal strips shall be provided inside the panel for terminating the AVR cable from Alternator as necessary.</p>   |  |
|  |  | <p><b>10.</b> One no. 415V, 100Amps, 3 phase with neutral Change over Switch (CoS) shall be incorporated within this panel or in a separate panel within the acoustic enclosure itself.<br/>Make of COS: GEPC / L&amp;T/ Crompton Greaves/ Siemens/ Legrand/ ABB/ Merlin Gerin/ Havells<br/>Output of the Alternator control panel shall be connected to the incomer of the COS panel if incorporated separately through a heavy duty 4C X 25 sqmm, 1100V grade PVC insulated and PVC sheathed, armoured, stranded copper cable approved by IS-1554. Cables are to be connected using copper lugs. Make: NICCO/CCI/Incab/Universal/Necab/Polycab/ RPG/Finolex/Havells.</p>   |  |
|  |  | <p><b>11.</b> General Construction of the Panel (and COS panel if incorporated separately):</p> <ul style="list-style-type: none"> <li>i. The panel should be designed and manufactured as per IS-8623.</li> <li>ii. Layout of the components inside the panel should be systematic and arranged in such a manner that sufficient space inside the panel is available for maintenance.</li> <li>iii. The panel(s) shall be Sheet steel clad, self-supporting, floor mounting, cubicle type, dust and vermin proof.</li> <li>iv. It shall be made up of 2mm thick MS CRCA sheet and built upon rigid framework.</li> <li>v. Front and rear hinged door with danger plate shall be provided.</li> <li>vi. The panel(s) doors should have neoprene rubber gasket.</li> <li>vii. It shall have lifting lugs on top and ventilation louvers on both sides. Suitable wire mess shall be provided on the inner side of the louver to prevent entry of insects.</li> <li>viii. Detachable gland plate is to be provided for glanding of heavy duty 4X 25 sq.mm, 1100v grade, PVC insulated and PVC sheathed, armoured, stranded incoming and outgoing cables. Suitable size of cable gland are to be provided at cable entry point of the panel(s).</li> </ul> |  |

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|             |  | <ul style="list-style-type: none"> <li>ix. The bottom cable entry plate should be at suitable height (min. 300mm) from floor of the unit for easy and safe entry of power and control cables.</li> <li>x. Double earthing studs on two sides of the panel(s) for connection of earthing strips.</li> <li>xi. The metal surface of the panel should be given minimum seven tanks anti corrosion treatment and then powder coated.</li> </ul>   |  |
| <b>VI</b>   | <b>Enclosure illumination and power outlet</b> | <ul style="list-style-type: none"> <li>1. 2 nos. of Bulkhead type luminaries with LED lamp shall be mounted on the walls inside of the acoustic enclosure and wired with heavy duty PVC insulated and PVC sheathed armored, stranded copper cable approved by IS. One luminary shall be mounted on alternator side and other on the engine side.</li> <li>2. Light will be switched from individual MCB, 6amp, C curve, mounted on control panel cover and have back-up HRC fuse and neutral link of 16 amp rating.</li> <li>3. One no. industrial type metallic plug socket of 15/16 amp rating with 20Amp SP MCB as switch should also be fed from lighting circuit fuse. The socket should be mounted on the enclosure side.</li> </ul>  |  |
| <b>VII</b>  | <b>Earthing</b>                                | 1. The earthing scheme for the unit should be as per IS-3043.   |  |
|             |  | 2. Two nos. 25x5mm GI straps shall be suitably fixed inside the unit near the floor. Strap galvanisation thickness should be min. 85 micron and as per IS.  |  |
|             |  | 3. Alternator earth terminals, control panel earth terminals, enclosure chassis shall each be connected with two nos. separate cables to both the straps with independent connections at separate points.   |  |
| <b>VIII</b> | <b>Documents Submittal</b>                     | <b>1. Along with the offer:</b> <ul style="list-style-type: none"> <li>i. Technical datasheet of the alternator.</li> <li>ii. Type test certificate as per IS 133364(2) of a 63kVa alternator of the same make and model as offered.</li> <li>iii. Confirmation / declaration that the offered panels shall conform to all the points of the tender. Any deviation from the tender specs must be clearly mentioned with technical justifications.</li> <li>iv. Confirmation / declaration to submit routine test certificates as IS 13364(2) of all the gen-set at the time of supply.</li> <li>v. Confirmation / declaration to submit guarantee certificate at the time of supply for both alternator and the control panel for a period of minimum 18 months from the date of supply or 12 months from the date of commissioning.</li> </ul> |  |
|             |  | <b>2. After placement of PO and before manufacturing:</b> Following documents shall be submitted for approval of OIL after placement of PO and the vendor shall proceed for manufacturing of the alternator and panel for after the approval of the same: <ul style="list-style-type: none"> <li>i. Dimensional drawing, schematics and layout of the alternator and the control panel(s) inside the acoustic enclosure.</li> <li>ii. GA drawing and Single line diagram of the Control Panel(s)</li> <li>iii. Bill of material of the component of the control panel(s).</li> </ul>  |  |

**ANNEXURE A**

|           |                           |  |  |
|-----------|---------------------------|--|--|
|           |                           | <p><b>3. At the time of delivery:</b></p> <p>i. Routine Test certificate as per IS 13364(2) for the each generating units.</p> <p>ii. 3 sets of as built GA and single line diagram of the Control panel(s)</p> <p>iii. 3 sets of Operation, Maintenance and troubleshooting manual of the alternator.</p> <p>iv. Guarantee certificate for both alternator and the control panel for a period of minimum 18 months from the date of supply or 12 months from the date of commissioning.</p>   |  |
| <b>IX</b> | <b>Skid / base frame</b>  | <p>The engine and alternator are to be close coupled and both be mounted on a suitably designed skid as a base frame fitted with requisite number of suitably designed Anti Vibration Mountings(AVM) for making the DG set vibration free.</p> <p>The skid should be of oilfield type and suitably fabricated for carrying the generating set from one place to another from time to time. The engine and alternator should be unitized and mounted on the skid before dispatch. The generator housing shall be one piece and mount directly to the engine flywheel housing without bolted adopter.</p>  |  |
| <b>X</b>  | <b>Acoustic enclosure</b> | <p>The generating set comprising of engine coupled with alternator, control panel etc. for each set should be placed inside an acoustic enclosure having the following salient features:</p> <p>The offered DG sets should be enclosed in Acoustic Enclosure mounted on to common base frame with provision of easy portability of the whole generating set. The maximum permissible sound pressure level for the diesel generator (DG) sets with must be 75 dB(A) at 1 meter away from the enclosure surface and must conform to the latest CPCBII norms[G.S.R. 771(E). – The emission limit of the Diesel engine of the generating set must comply with the latest CPCBII norms as notified by Govt. of India as per G.S.R. 771(E). –sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government (Govt. of India) and subsequent notifications as applicable.</p> |  |
|           |                           | <p>1) The offered DG set should have valid Type Approval / Conformity of Production Certificate from Certification Agencies as per latest CPCBII notification for Noise Limit. A copy of the same has to be furnished along with the offer.</p> <p>[Certification agencies/Authorised agencies of certification are- 1) ARAI, Pune, 2) Naval Science &amp; Technology Laboratory, Visakhapatnam, 3). Fluid Control Research Institute, Palghat, 4) National Aerospace Laboratory, Bangalore, 5) International Centre for Automotive Technology, Manesar, Haryana, 6) National Test House (Northern Region), Ghaziabad, Uttar Pradesh ].</p>  |  |
|           |                           | <p>2) The acoustic enclosure should be modular type. This should facilitate easy assembling/dismantling</p> <p>3) The temperature of exhaust line should not exceed the self-ignition temperature of fuel. A high temperature trip system ( to shut down the engine by cutting off fuel supply to the engine through the solenoid valve ) with variable setting connected to a thermostatically controlled blower must be provided for eliminating excessive heat dissipated by the engine within the acoustic enclosure.</p>  |  |

**ANNEXURE A**

|           |                    |  |  |
|-----------|--------------------|--|--|
|           |                    | 4) The enclosure should have the sufficient space in and around the generating set to facilitate maintenance and operation of the set  |  |
|           |                    | 5) Acoustic Enclosure's base frame should incorporate necessary facilities for handling and inter location transfer through oil field trucks.  |  |
|           |                    | 6) Enclosure Illumination: See Clause No VII above.  |  |
|           |                    | 7) The canopy should be finished in synthetic enamel paint incorporating rust inhibitors and aluminum sprayed silencers and spark arrestors to guarantee a superior and long lasting finish.   |  |
|           |                    | 8) Exhaust silencer shall have to be provided of the size as recommended by the manufacturer and shall attenuate the sound to the level noted above. It shall be supplied with a flexible, seamless, stainless steel exhaust connection as well as with all internal pipe work and suitably designed Spark Arrestor. |  |
|           |                    | 9) The acoustic enclosure with skid should also incorporate:   |  |
|           |                    | a) Locking arrangement(Provision for fitting external lock and key)  |  |
|           |                    | b) Lifting arrangement for entire skid/gen set with enclosure.   |  |
|           |                    | c) Draining arrangement for fuel and lube oil.   |  |
|           |                    | d) Air breather.   |  |
|           |                    | e) Hood for rain protection  |  |
|           |                    | f) Emergency stop button   |  |
|           |                    | g) Panel meter viewing window  |  |
| <b>XI</b> | <b>Spare parts</b> | 1) Bidder should have to confirm the availability of all the spares for the complete Gen Sets for minimum 10 years from the date of delivery of materials.   |  |
|           |                    | 2) Spares for two years normal operation in addition to the normal commissioning spares and consumables of the generating set should be included in the offer. Item wise breakdown price of spares should also be provided but that will not be considered for price evaluation.                                     |  |
|           |                    | 3) The following items shall have to be offered as MANDATORY SPARES and to be supplied along with the complete package (The cost of the same to be included in the main offer):  |  |
|           |                    | (a) Engine Spares:   |  |
|           |                    | i. Fuel filter - 06 nos (per gen set)  |  |
|           |                    | ii. Lube oil filter - 06 nos (per gen set)   |  |
|           |                    | iii. Air filter- 06 nos (per gen set)  |  |
|           |                    | iv. Complete Set of Belts – 04 Sets (per gen set)  |  |
|           |                    | v. Coolant for each engine   |  |
|           |                    | (b) Electrical Spares:   |  |
|           |                    | i. Automatic voltage regulator unit (along with any other component used with AVR) – 02 sets   |  |

**ANNEXURE A**

|             |   |   |  |
|-------------|---|---|--|
|             |   | ii. Standard (forward) diode for rotating rectifier assembly – 06 nos   |  |
|             |   | iii. Reverse diode for rotating rectifier assembly – 06 nos.  |  |
|             |   | iv. Varistor/ surge protector – 03 nos  |  |
| <b>XIII</b> | <b>Inspection and testing</b>                           | 1) The complete unit of engine and alternator along with control panel shall be inspected and tested at manufacturer’s works / factory by a team of OIL’s Engineers prior to dispatch. The party will arrange staff, fuel, POL etc. for the test at their cost. Amongst others, all routine tests of the alternator and control panel shall be witnessed during the inspection at respective manufacturer’s works. Intimation for inspection of complete unit must be sent to OIL at least 30 days in advance.<br>Any modification suggested during inspection shall be carried out by supplier at no additional cost. Supplier shall affect dispatch of the unit to OIL, Duliajan, only on receipt of OIL’s dispatch advice.<br>Inspection/testing charges, if any, shall be quoted separately which shall be considered for evaluation of the offers. To and fro fares, boarding/ lodging and other en-route expenses of OIL’s Inspection team for carrying our inspection shall be borne by OIL. |  |
|             |   | 2) During inspection each DG set will be tested at various loads including 10% overload for a period of 1 Hour during a testing period of not less than 4 hours in presence of OIL’s Engineers and the performance parameters recorded should be within the figure/range given for the offered units. The DG set should be capable of running at full load conditions for about an hour after the overload test.  |  |
|             |   | 3) A draft copy of Composite Operating Instructions of the complete Generator Set- with description and illustration of all switchgear controls and indicators and engine and generator controls shall have to be submitted to OIL’s inspection team during the time of pre-dispatch inspection for approval. The approved copy to be supplied along with the Documents as detailed in para- XVI below.   |  |
| <b>XIV</b>  | <b>Test certificates</b>                                | The supplier shall have to submit detailed records and certificates of the foregoing tests to the purchaser. The certificates/records shall have to be supplied in quadruplicate and those for electrical equipment shall have to be endorsed suitable for use in the climatic conditions specified.  |  |
| <b>XV</b>   | <b>Packing</b>  | The packing shall be sufficiently robust to withstand rough handling. Boxes/packing cases containing electrical equipment shall be water proof lined. All the matters on the control panel should be packed separately for mounting at site or mounted in such a manner to prevent transit damage.  |  |
| <b>XVI</b>  | <b>Documents to be attached with the final shipment</b> | The following documents [ <b>atleast 03 bound sets</b> (if not specified otherwise hereunder)] are to be <b>separately packed and forwarded to HEAD- FIELD ENGINEERING, OIL INDIA LIMITED, DULIAJAN- 786602, ASSAM</b> , clearly indicating the OIL’s Purchase order no and the description.  |  |
|             |   | 1. COMPOSITE OPERATING INSTRUCTIONS- with description and illustration of all switchgear controls and indicators and engine and generator controls. <i>Draft copy of the same to be submitted to OIL’s inspection team during the time of pre-dispatch inspection for approval.</i>   |  |
|             |   | 2. PARTS BOOKS- that illustrate and list all assemblies, subassemblies and components.  |  |

**ANNEXURE A**

|             |   |  |  |
|-------------|---|--|--|
|             |   | 3. PREVENTIVE MAINTENANCE INSTRUCTIONS- on the complete system that cover daily, weekly, monthly, biannual, and annual maintenance requirements and include a complete lubrication chart.  |  |
|             |   | 4. ROUTINE TEST PROCEDURES- for all electronic and electrical circuits and for the main AC generator.  |  |
|             |   | 5. TROUBLESHOOTING CHART- covering the complete generator set showing description of trouble, probable cause and suggested remedy.   |  |
|             |   | 6. RECOMMENDED SPARE PARTS LIST- showing all consumables anticipated to be required during routine maintenance and test.   |  |
|             |   | 7. WIRING DIAGRAM AND SCHEMATICS- showing function of all electrical components.   |  |
|             |   | 8. One set of drawing showing installation details of the generating set, oilfield type skid, wiring diagram for the control panel ( inclusive of float charger ) and wiring drawing between the alternator and control panel should be provided with each generating set. All control panel diagram and schematic diagram are to be sent to us before supply of order materials.  |  |
|             |   | 9. Warranty documents, test certificates, requisite certificates as specified and all other relevant documents specified in OIL's purchase order.  |  |
|             |   | 10. <b>Three(03) sets</b> of following documents shall be submitted in bound form along with the supply of the genset (s)<br># GA drawing<br># Detailed power & control wiring diagram, detailed enclosure drawings for control panel, earthing<br># Scheme, layout plan of the unit showing all parts.<br># Details of power cables, control cable and their routes.<br># Bill of materials of all components.<br># Technical literature of alternator.<br># Composite O&M manual of the generator covering all sub-systems.<br>#Part Manual for Engine and Alternator.<br># Catalogues of various components.<br># All test certificates for tests done at manufacturer's works for alternator, control panel and complete unit.<br># Tests to be done during commissioning.<br># Guarantee certificate for alternator and control panel. Guarantee shall be for 12 months after commissioning of genset or 18 months after supply, whichever is earlier.<br># List of recommended spares for two years including part nos and descriptions. |  |
| <b>XVII</b> | <b>Installation and commissioning of unit</b> | Installation and Commissioning of the generating sets, control panels mounted on skid shall be carried out by the bidder in the presence of OIL representatives at its fields at Duliajan, Assam (India). Services of qualified and competent personnel from equipment manufacturer are essential during installation and commissioning of the generating sets. Persons engaged for installation, testing and commissioning of alternator and control panel should have valid electrical license issued by State Licensing Board. A person who is authorized for   |  |

**ANNEXURE A**

|              |                             |  |  |
|--------------|-----------------------------|--|--|
|              |                             | <p>supervision of all electrical works should have valid supervisory license. External power cable from control panel of the unit to the load center shall be provided by OIL and the party will connect the same to the gen set control panel. Party shall connect the earthing loops (Four nos) of the unit to OIL's earth system using the 10.0 M long earth loops provided inside the unit.</p> <p>Materials such as line pipes, fittings necessary for fabricating fuel/ water lines (if required), supports for engine exhaust, Welding set with welder shall be provided by OIL. However bidder has to supervise any welding and cutting activities that may be required during installation and commissioning the generating sets. OIL will provide necessary statutory permits for welding and cutting jobs in classified areas as and when required. Installation / commissioning charges should have to be quoted separately which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/ lodging and other expenses of the commissioning engineers during their stay at Duliajan, Assam (India). All Personal, Income and Service Tax etc. towards the services provided by the supplier shall be borne by the supplier and will be deducted at source. Bidders should also confirm about installation/ commissioning in the Technical Bid.</p> <p>The gen set will be treated as successfully commissioned after successful run/load test of the unit at OIL's field site with available load for a minimum period of 6 hours and on submission of all documents and spares as per Purchase Order. Accordingly, bidder must plan for stay at Duliajan. Only local transportation from office to sites will be arranged by OIL for personnel deputed for installation and commissioning of the DG sets.</p> |  |
| <b>XVIII</b> | <b>Responsibility</b>       | The responsibility for performance to the specifications shall not be divided among individual component manufacturers, but must be assumed solely by the supplier. This includes generating system design, manufacture, test, and having a local supplier responsible for service, parts and warranty for the total system.   |  |
| <b>XIX</b>   | <b>Service and warranty</b> | 1) The manufacturer shall have a local (placed in Assam) authorized dealer who can provide factory trained servicemen, the required stock of replacement parts, technical assistance, and warranty administration.   |  |
|              |                             | 2) The warranty period for the Gen set and ancillary equipment should be a minimum of 18 months from the date of dispatch/ shipment or 12 months from the date of commissioning of the equipment whichever is earlier. Any defects in the Engine or Alternator during warranty period shall be replaced by the supplier at his cost without any extra charge to OIL  |  |
|              |                             | 3) The bidder should confirm that spares will be available and provisioning of spares can be continued for the next 10 years.  |  |
| <b>XX</b>    | <b>Data sheets</b>          | (a) Engine   |  |
|              |                             | 1) MAKE  |  |
|              |                             | 2) MODEL   |  |
|              |                             | 3) NUMBER OF CYLINDER  |  |
|              |                             | 4) ASPIRATION  |  |



**ANNEXURE A**

|  |  |  |
|--|--|--|
|  | 5) COMPRESSION RATIO                         |  |
|  | 6) SIZE ( BORE & STROKE)                     |  |
|  | 7) DISPLACEMENT                              |  |
|  | 8) DUTY                                      |  |
|  | 9) GROSS HP AT 1500 RPM                      |  |
|  | 10) DEDUCTION FOR FAN, ALT & TEMP.           |  |
|  | 11) NETT HP AVAILABLE AT 1500 RPM            |  |
|  | 12) SPECIFIC FUEL CONSUMPTION AT             |  |
|  | a. # 100% LOAD                               |  |
|  | b. # 75% LOAD                                |  |
|  | c. # 50% LOAD                                |  |
|  | 13) LUBOIL CONSUMPTION( LT/HR)               |  |
|  | 14) ENGINE SUMP CAPACITY                     |  |
|  | 15) MAKE & TYPE OF GOVERNOR                  |  |
|  | 16) LENGTHX WIDTH X HEIGHT                   |  |
|  | (b) Alternator                               |  |
|  | Make :                                       |  |
|  | Rated Output :                               |  |
|  | Phase :                                      |  |
|  | Frequency :                                  |  |
|  | No. of Poles :                               |  |
|  | RPM  |  |
|  | Rated power factor :                         |  |
|  | Conductor Material. :                        |  |
|  | Type :                                       |  |
|  | Duty :                                       |  |
|  | Class of insulation :                        |  |
|  | Connection :                                 |  |
|  | Site Condition :                             |  |
|  | Alternators Internal Protection (Enclosure): |  |
|  | Alternators Terminal Box protection:         |  |
|  | Cooling :                                    |  |
|  | Excitation system :                          |  |
|  | Automatic Voltage Regulation:                |  |
|  | Permissible voltage variation at rated :     |  |

**ANNEXURE A**

|  |  |  |  |
|--|--|--|--|
|  |  | <p>speed, and power factor<br/>Voltage swing (transient response) :<br/>Permissible Engine Speed variation:<br/>Permissible frequency variation at rated :<br/>    Speed and power factor<br/>Period for taking load from start impulse:<br/>Motor starting ability :<br/>Overload capacity :<br/>Unbalanced current carrying capacity:<br/>Short circuit current withstand capacity:<br/>Over voltage :<br/>Mounting :<br/>Amplitude of vibration at no load:</p> <p>20.0 DATA SHEET OF PANEL AND INSTRUMENTS:<br/>1 MCCB<br/>a) Make<br/>b) Rating<br/>c) Cat No/Type</p> <p>2 Power and Energy monitor<br/>a) Make<br/>b) Rating<br/>c) Cat No/Type</p> <p>3 Frequency relay<br/>a) Make<br/>b) Rating<br/>c) Cat No/Type</p> <p>4 Change over switch<br/>a) Make<br/>b) Rating<br/>c) Cat No</p> |  |
|--|--|--|--|

**ANNEXURE A**

|  |  |   |  |
|--|--|---|--|
|  |  | <p>5 Auxiliary relays<br/>a) Make<br/>b) Rating<br/>c) Cat No</p> <p>6 Hour meter and RPM meter (mechanical/digital)<br/>a) Make<br/>b) Rating<br/>c) Cat No</p> <p>7 CT<br/>a) Make<br/>b) Rating<br/>c) Cat No</p> <p>8 LED<br/>a) Make<br/>b) Rating<br/>c) Cat No</p> <p>9 Earth Leakage Relay<br/>a) Make<br/>b) Range<br/>c) Cat No/Type</p> <p>10 Voltage Monitoring Relay<br/>a) Make<br/>b) Range<br/>c) Cat No/Type</p> <p>11 Digital RPM Meter<br/>a) Make<br/>b) Range<br/>c) Cat No.</p> |  |
|--|--|---|--|

**ANNEXURE A**

|            |                   |   |     |    |  |
|------------|-------------------|---|-----|----|--|
|            |                   | 12 COS<br>a) Make<br>b) Rating<br>c) Cat No   |     |    |  |
|            |                   | All the components including CT, indicating meters, fuses, push buttons etc shall be as per NIT   |     |    |  |
| <b>XXI</b> | <b>Check list</b> | <b>PLEASE TICK</b>  |     |    |  |
|            |                   | 1. Whether quoted as OEM of Engine and whether documentary evidence submitted?  | Yes | No |  |
|            |                   | 2. Whether quoted as OEM of Alternator & whether documentary evidence submitted?  | Yes | No |  |
|            |                   | 3. Whether quoted as Authorized Dealer of OEM (Engine/Alternator) and whether documentary evidences submitted?  | Yes | No |  |
|            |                   | 4. Whether quoted as Assembler , OEM of Gen Set manufacturer or authorized dealer of OEM ( Gen Set Manufacturer)  | Yes | No |  |
|            |                   | 5. Whether valid Type Approval / Conformity of Production Certificate from Certification Agencies as per latest CPCB notification for Engine Emission and DG Set Noise Limit submitted? | Yes | No |  |
|            |                   | 6. Whether documentary evidence w.r.t. experience of successful completion of orders as stipulated in clause no XXIII. 8.0 above submitted?   | Yes | No |  |
|            |                   | 7. Whether documentary evidence w.r.t. proven track record of the offered engine and alternator as stipulated in clause no XXIII. 9.0 above submitted?                                  | Yes | No |  |
|            |                   | 8. Whether Satisfactory Performance Certificate of the offered engine and alternator from end user as stipulated in clause no XXIII. 10.0 above submitted?                              | Yes | No |  |
|            |                   | 9. Whether the bid submitted in the prescribed format by duly filling up the “Bidder’s Remarks” column as stipulated in clause no XXIII. 12.0 above?                                    | Yes | No |  |
|            |                   | 10. Whether separately highlighted any deviation from the technical specification?  | Yes | No |  |
|            |                   | 11. Whether detail specification of Alternator with manufacturer’s technical literature/catalogue enclosed?   | Yes | No |  |
|            |                   | 12. Whether test certificate of Alternator and Control Panel will be submitted?   | Yes | No |  |
|            |                   | 13. Whether two sets of installation/ commission, Maintenance Manual shall be submitted?  | Yes | No |  |
|            |                   | 14. Whether spare parts for 10 years shall be supplied?   | Yes | No |  |
|            |                   | 15. Whether power and Wiring diagram of Alternator Control Panel submitted?   | Yes | No |  |
|            |                   | 16. Whether bill of Materials of Control Panel submitted?   | Yes | No |  |

**ANNEXURE A**

|  |  |  |     |                          |    |                          |
|--|--|--|-----|--------------------------|----|--------------------------|
|  |  | 17. Whether confirmed that control panel drawing shall be approved by OIL before manufacturing in the event of placement of order? | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
|  |  | 18. Whether offered engine is as per NIT ?   | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
|  |  | 19. Whether quoted for supply, installation, commissioning & handing over of genset?   | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |

|  |                                 |  |
|--|---------------------------------|--|
| OIL's Tender No.-----<br>For & behalf of ----- | Signed-----<br>Designation----- |  |
|--|---------------------------------|--|

Bidders to  
Affix Stamp

**Technical Bid Checklist****Annexure-EEE**

| Tender No.      |  |   |  |
|-----------------|--|---|--|
| Bidder's Name : |  |   |  |
|                 |  | <b>Compliance by Bidder</b>                             |  |
| Sl. NO.         | BEC / TENDER REQUIREMENTS  | Indicate 'Confirmed' / 'Not Confirmed' / Not applicable | Indicate Corresponding page ref. of unpriced bid or Comments |
| 1               | Confirm that validity has been offered as per NIT.   |   |  |
| 2               | Confirm that Bid Security / Earnest Money has been submitted as per NIT (Wherever Applicable) ?  |   |  |
| 3               | Confirm that you shall submit Performance security (in the event of placement of order) (Wherever Applicable) ?  |   |  |
| 4               | Confirm that duly signed Integrity Pact has been submitted as per NIT (Wherever Applicable) ?  |   |  |
| 5               | Confirm that you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*) |   |  |
| 6               | Confirm that you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.             |   |  |
| 7               | Confirm that the bid has been signed using Class 3 digital certificate with Organisation's Name as per NIT.  |   |  |
| 8               | Confirm that you have not taken any exception/deviations to the NIT .  |   |  |

NOTE: Please fill up the greyed cells only.

(\*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Received Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of the purchase order cited above.

**Response Sheet**

Annexure-FFF

|              |
|--------------|
| Tender No.   |
| Bidders Name |

**Bidders Response Sheet**

| SI No. | Description   | Remarks |
|--------|---|---------|
| 1      | Place of Despatch   |         |
| 2      | Whether Freight charges have been included in your quoted prices  |         |
| 3      | Whether Insurance charges have been included in your quoted prices  |         |
| 4      | Make of quoted Product  |         |
| 5      | Offered Validity of Bid as per NIT  |         |
| 6      | Bid Security Submitted (if applicable)  |         |
| 6      | Details of Bid Security Submitted to OIL (if applicable)  |         |
|        | a) Bid Security Amount (In Rs):   |         |
|        | b) Bid Security Valid upto:   |         |
| 7      | Whether you shall submit Performance Security in the event of placement of order on you (if applicable)   |         |
| 8      | Integrity Pact Submitted (if applicable)  |         |
| 9      | Whether you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*) |         |
| 10     | Whether you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.             |         |
| 11     | Delivery Period in weeks from placement of order  |         |
| 12     | Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.   |         |
| 13     | If bidder is MSE whether you have quoted your own product   |         |
| 14     | If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager                  |         |

**NOTE: Please fill up the greyed cells only.**

(\*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETER HEAD)  
(ALL FIELDS ARE MANDATORY)**

Tender No. :.....  
Name of Beneficiary :M/s.....  
Vendor Code :.....  
Address :.....  
.....  
Phone No. (Land Line) :.....  
Mobile No. :.....  
E-mail address :.....  
Bank Account No. (Minimum  
Eleven Digit No.) :.....  
Bank Name :.....  
Branch :.....  
Complete Address of your  
Bank :.....  
IFSC Code of your Bank  
a) RTGS :.....  
b) NEFT :.....  
PAN :.....  
VAT Registration No. :.....  
CST Registration No. :.....  
Service Tax Registration No. :.....  
Provident Fund Registration :.....

**I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.**

Office Seal

.....  
Signature of Vendor

**Counter Signed by Banker:  
Seal of Bank:**

**Enclosure: Self attested photocopies of the following documents-**

- 1) PAN Card
- 2) VAT Registration Certificate
- 3) Service Tax Registration
- 4) CST Registration
- 5) Provident Registration Certificate
- 6) Cancelled cheque of the bank account mentioned above (in original).
- 7) Bank Statement not older than 15 days on the date of submission.