

OIL INDIA LIMITED
(A Govt. of India Enterprise)
4, India Exchange Place,
Kolkata – 700 001.
E-mail : oilcalmn@oilindia.in
INVITATION FOR BID
NATIONAL COMPETITIVE BID

OIL INDIA LIMITED invites National Competitive Bid through its e-procurement portal – <https://etender.srm.oilindia.in/irj/portal> for the following items :-

E-Tender No.	Bid Closing Date	ITEM
SKI7852P19/03	06.07.2018	Supply , installation & commissioning of 62.5/63 KVA Gen set

Tender fee (Non – refundable) amount ,Period of sale of documents, Bid Closing / Opening date, the complete bid documents and details for purchasing bid documents, participation in e-tenders etc. are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website <http://www.oil-india.com/>.
No separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.



OIL INDIA LIMITED
(A Government of India Enterprises)
4, India Exchange Place
Kolkata -700001

TELEPHONE NO. (033) 22301657

FAX NO: (033) 22302596

Email: kolpur2@oilindia.in

FORWARDING LETTER

Tender No & Date	:SKI 7852P19/03
Tender Fee	:Rs 1,000.00
Bid Security Amount	:Rs. 66,000 /-
Bidding Type	:Single Stage Two Bid
Bid Closing on	: As mentioned in the e-portal
Bid Opening on	: As mentioned in the e-portal
Performance Guarantee	: Applicable
Integrity Pact	: Not Applicable
Delivery Required	: At DULIAJAN, ASSAM

OIL invites Bids for **Supply , installation & commissioning of Generating set through** its E-Procurement site under **SINGLE STAGE TWO BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/CALCUTTA/E-01/2016. 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**.

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 Department at following: Tel. No.s = 0374-2807178, 0374-2807171 , 0374-2807192. Email- id = erp_mm@oilindia.in.
- b) "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2016 for E-procurement (LCB Tenders).
- c) **This tender shall be guided by Purchase preference policy-linked with Local Content (PP - LC) notified vide letter no. O-27011/44/2015-ONG-II/FP dated 25.04.2017 of MoP&NG as well as Public Procurement Policy for MSEs-Order 2012. For details of the PP-LC policy, please visit OIL website at www.oil-india.com and it is also provided in Annexure-II of this tender.**

Purchase Preference will be given as per prevailing Government Guidelines as applicable on the bid closing date

Bidders seeking benefits, under Purchase Preference Policy (linked with Local Content) (PP-LC) shall have to comply with all the provisions specified and shall have to submit all undertakings / documents applicable for this policy.

In case a bidder is eligible to seek benefits under PP-LC policy as well as Public Procurement Policy for MSEs-Order 2012, then the bidders should categorically seek benefits against only one of the two policies i.e. either PP-LC or MSE policy. If a bidder seeks free of cost tender document under the MSE policy, then it shall be considered that the bidder has sought benefit against the MSE policy and this option once exercised cannot be modified subsequently.

- d) Technical specifications with Quantity and BEC/BRC and Price bid format as per **ANNEXURE AAA, ANNEXURE BBB and ANNEXURE CCC** respectively.
- e) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- f) 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).
- g) Bidder are advised to fill up the **Technical evaluation sheet (Annexure DDD), Technical bid check list (Annexure EEE), Response sheet (Annexure FFF) and Bank Details (Annexure GGG)** given in this bidding document uploaded in Technical RFx -> External Area -> Tender Documents. The above filled up documents to be uploaded in the Technical RFX Response.
- h) **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.**

Special Note:

1.0 Bidders to take special note of the following conditions:

1.1 Against Tender Fee – **Payment should be made only through online mode** and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.

Vendors who do not have OIL's User ID & password, may generate User ID & password online by the Vendor by using the link for supplier enlistment given in OIL's e-tender portal and then pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

1.2 Against Bid Security/EMD/Performance Bank Guarantee – **Only payments through online mode or Submission of Bank Guarantee will be acceptable.** No DD/Cheques/Cashier Cheque or any other mode will be acceptable.

1.3 A) Bidders submitting bank guarantee as **Bid Security** should note that 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 767 / MT 767 COV for amendment of bank guarantee

The above message / intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Corporate Banking Branch, IFSC Code - UTIB0001164. Branch Address - AXIS Bank Ltd, Corporate Banking Branch, 3rd Floor, AC Market, 1, Shakespeare Sarani, Kolkata 700071."

B) The Bidder shall submit to OIL the copy of SFMS message as sent by the issuing bank branch along with the original bank guarantee.

Note : In the event of an order, similar process will be required to be followed by the bidder in case of submission of Performance Security in the form of Bank guarantee.

2.0 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 **CGM-Kolkata Office, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001** only 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 triplicate.

3.0 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.

4.0 To participate in OIL's E-procurement tender, bidders should have a legally valid Digital Signature Certificate as per Indian IT Act from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India (<http://www.cca.gov.in>). The digital signature should be of Class 3 digital certificate alongwith encryption certificate for the designated individual with organization name. Please also refer "**Guideline to Bidder for participating in OIL**". All the Bids must be Digitally Signed.

5.0 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.

6.0 The tender is invited under **SINGLE STAGE-TWO BID SYSTEM**. Bidders shall quote accordingly under Single Stage Two 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.**

6.1 Please ensure that Techno-commercial Bid / all technical related documents related to the tender are uploaded in the Technical Attachment as shown in the screen shot below. The "**TECHNO-COMMERCIAL UNPRICED BID**" shall contain all techno-commercial details **except the prices. Please note that no price details should be uploaded in Technical Attachment.**

6.2 The "**PRICE BID**" must contain the price schedule and the bidder's commercial terms and conditions. **Details of prices as per Price Bid format/Priced bid can be uploaded as**

Attachment in the attachment option under “Notes & Attachments” tab as shown in the screen shot below.

A screen shot in this regard is shown below.

Upload Technical Bid / Price Bid.

1.

The screenshot displays the SRM QAS Portal interface for an RFx response. The 'Notes and Attachments' tab is active, and the 'Technical Attachments' sub-tab is selected, highlighted with a red box. Three callouts provide instructions on what to upload:

- Area for uploading "Priced Bid" if the detailed price information is "No Price"** (points to the 'No Price' option in the 'Detailed Price Information' field).
- Area for uploading "Priced Bid" if the detailed price information is "Price with Condition"** (points to the 'Price with Condition' option in the 'Detailed Price Information' field).
- Area for uploading "Techno-commercial Unpriced Bid"** (points to the 'Technical Attachments' sub-tab).

An additional instruction is provided in an orange box: **Please do not upload price under "Technical Attachment"**.

The form includes fields for 'Currency' (Indian Rupee), 'Incoterms' (FOB SINGAPORE), and 'Terms of Payment' (OTH). A table for 'Partners and Delivery Information' is shown at the bottom, indicating it is currently empty.

2. On "EDIT" Mode- The following screen will appear. Bidders are advised to Upload "Techno-Commercial Unpriced Bid" and "Priced Bid" in the places as indicated above:

The screenshot shows the 'Display RFX Response' screen in 'EDIT' mode. The 'Notes' tab is active, displaying a table with columns for 'Category', 'Description', and 'File Upload'. Red arrows indicate the upload areas: one points to the 'Edit' button, another points to the 'File Upload' column in the 'Notes' table, and a third points to the 'Attachments' section at the bottom.

“The “Techno-Commercial Unpriced Bid” shall contain all technocommercial details except the prices.

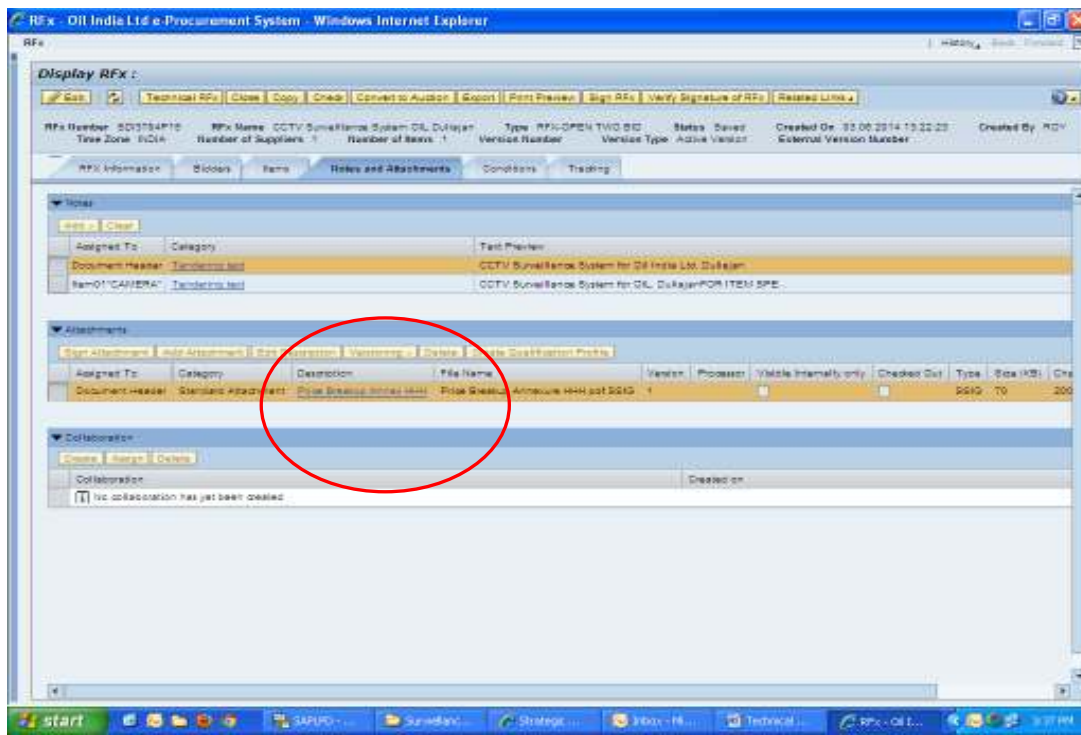
** Please follow the instructions as per Vendor User Manual for Uploading Price under “Notes and Attachment” or “Condition”

6.3 Any Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

6.4 Only the price-bids of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.

6.5 Price Breakup/format:

Bidders should submit the price breakup/format of all the items as per “Annexure CCC” which has been uploaded under “Notes & Attachments” > “Attachments” as shown below. The price breakup/format “Annexure CCC” should be filled up, signed and uploaded under “Notes & Attachments” > “Attachments” only. **The filled up price breakup/format of all the items should not be uploaded in Technical Attachment.**



Please do refer **“NEW INSTRUCTION TO BIDDER FOR SUBMISSION”** for the above two points and also please refer **“ New Vendor Manual (effective 12.04.2017) ”** 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.

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-BBB**. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per **Annexure-BBB**) contradict the Clauses of the tender and / or

“General Terms & Conditions” as per Booklet No. MM/CALCUTTA/E-01/2016 for E-Procurement of Indigenous Tenders elsewhere, those in the BEC / BRC shall prevail.

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

10.0 In order to bid for OIL e-tenders all the vendors are required to obtain a legally valid Digital Certificate Class III [Organization] along with encryption certificate as per Indian IT act from the licensed certifying authorities(CA) operating under the root certifying Authority of India (RCAI), controller of certifying authorities (CCA) of India. Digital Signature Certificate comes in a pair of Signing/Verification and Encryption /decryption certificate. Bidder should have both the Signing/Verification and Encryption /decryption certificate for signing and Encryption, decryption purpose respectively. The driver needs to be installed once, without which the DSC will not be recognized. While participating on e-Tendering the DSC token should be connected to your system.

Encryption certificate is mandatorily required for submission of bid. In case bidder created response with one certificate (using encryption key) and bidder change his Digital Signature Certificate then old certificate (used for encryption) is required in order to decrypt his encrypted response for getting the edit mode of the response. Once decryption is done, bidder may use new DSC certificate for uploading and submission of their offer. It is the sole responsibility of the bidder to keep their DSC certificate properly. In case of loss of the certificate, OIL INDIA LIMITED is not responsible.

11.0 For exemption for tender fee, please refer Clause No. 3.3 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/CALCUTTA/E-01/2016 for E-procurement (LCB Tenders).

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

13.0 In addition to the existing clause of accepting Bid Security and Performance Security in the form of Bank Guarantee in Para No. 8.2 and 9.3 in the “General Terms & Conditions” for e-Procurement as per Booklet No. MM/CALCUTTA/E-01/2016 for E-procurement (LCB Tenders) to include the below mention point as well:

“#Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non -Scheduled Bank of India shall not be acceptable.”

14.0 CLAUSES RELATED TO GST

(A) Taxes:

- i. For the purposes of levy and imposition of GST, the expressions shall have the following meanings:
 - (a) GST - means any tax imposed on the supply of goods and/or services under GST Law.
 - (b) Cess - means any applicable cess, existing or future on the supply of Goods and Services as per Goods and Services Tax (Compensation to States) Act, 2017.
 - (c) GST Law - means IGST Act 2017, CGST Act 2017, UTGST Act, 2017and SGST Act, 2017and all related ancillary Rules and Notifications issued in this regard from time to time.

- ii. The rates quoted by the bidders shall be inclusive of all taxes, duties and levies. However, bidders are required to provide separately the rate and amount of all types of taxes, duties and levies. In case, the quoted information related to various taxes, duties and levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/tax, if the finally assessed amount is on the higher side and OIL will have the right to recover the difference in case the rate of duty/ taxes finally assessed is on the lower side. Further, bidders have to clearly show the amount of GST separately in the Tax invoices. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST complaint in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.
- iii. Offers without giving any of the details of the taxes (including rates and amounts) as specified above will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates and amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/ contracts will be binding on the bidder.
- iv. Bidder is required to pass on the benefit arising out of introduction of GST, including seamless flow of Input Tax Credit, reduction in Tax Rate on inputs as well as final goods by way of reduction of price as contemplated in the provision relating to Anti-Profiteering Measure vide Section 171 of the CGST Act, 2017. Accordingly, for supplies made under GST, the bidder must confirm that benefit of lower costs has been passed on to OIL by way of lower prices/taxes and must also provide details of the same as applicable. OIL reserves the right to examine such details about costs of inputs/input services of the bidder to ensure that the intended benefits of GST have been passed on to OIL.
- v. Statutory variation (increase/decrease) of GST within the contractual delivery period will be to the account of OIL subject to documentary evidence. However, any increase in statutory levy after the expiry of the scheduled date of delivery shall be to the supplier's account.
- vi. Bidder agrees to do all things but not limited to providing GST compliant Tax Invoices or other documentation as per GST law relating to the supply of goods and/or services covered in the instant contract like raising of and /or acceptance or rejection of credit notes / debit notes as the case may be, payment of taxes, timely filing of valid statutory Returns for the tax period on the Goods and Service Tax Network (GSTN), submission of general information as and when called for by OIL in the customized format shared by OIL in order to enable OIL to update its database etc. that may be necessary to match the invoices on GSTN common portal and also for claiming input tax credit in relation to any GST payable under this Contract or in respect of any supply under this Contract.
- vii. In case Input Tax Credit of GST is denied to OIL or demand is recovered from OIL by the Central / State Authorities on account of any non-compliance by Bidder/Supplier, including non-payment of GST charged and recovered, the Bidder/Supplier shall indemnify OIL in respect of all such claims of tax, penalty and/or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. OIL, at its discretion, may also withhold/recover such an amount demanded and recovered by the authorities/ state authorities from the pending payments of the Bidder/Supplier.
- viii. GST liability, if any on account of supply of free samples against any tender/purchase order (wherever applicable) shall be to bidder's/ supplier's account.

Yours Faithfully,
Sd-
(Aparajita Gogoi)
SR. Manager Materials (P)
For GM-Kolkata Office

Annexure - AAA

TECHNICAL SPECIFICATIONS WITH QUANTITY

SLNO & MATERIAL CODE NO.	MATERIAL DESCRIPTION.	QUANT ITY	UOM
10 ----- 0C000242	Factory assembled 62.5kva/ 63 KVA, 3 phase, 415 volts, 50 Hz, 0.8 Power Factor, silent (acoustically insulated) Diesel Engine (1500 RPM) Driven Generating Set (Detailed specification are shown in annexure-DDD)	3	NO
20	Installation & Commissioning	1	AU

SPECIAL TERMS & CONDITIONS:

I) 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 alongwith equipment(engine&alternator details) are to be displayed suitably as per the accordance of CPCB .

[Certification agencies/Authorised 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].

II). OIL's Purchase Order No must be permanently marked on two sides of the enclosure in 8 Inch (200MM) sized lettering.

III) The bidder must submit the offer in the attached format (annexure DDD i.e. technical evaluation sheet) by duly filling up the "Bidder's Remarks" column (extra sheet if required may please be attached).

BID REJECTION & BID EVALUATION CRITERIA

I) BID REJECTION CRITERIA

The bids must conform to the specifications, terms, and conditions given in the NIT. Bids shall be rejected in case the items offered do not conform to the required minimum / maximum parameters stipulated in the technical specifications and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected:

A. TECHNICAL:

1.0 Qualification Criteria:

1.1 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 approved assembler of Generating set or its authorised dealer.

1.2 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 1.1 & 1.2 above, bidder will have to enclose documentary evidence along with the offer, failing which offer will be rejected

2.0 Experience Criteria

2.1 Bidder **or their OEM** must have experience of successfully executing at least one (1) SIMILAR order of Rs16,50,000.00(Rupees Sixteen lacks and Fifty Thousand Only) in previous **(05) Five** years reckoned from the original bid closing date.

Notes to Clause 2.1

i) "SIMILAR order" mentioned above implies Supply, installation & commissioning and testing of Diesel engine driven Generating Set of capacity 62.5kva/63 kva or above along with control panels and accessories in any of the following:

a) Central/State Govt. Organization

b) Public Sector Undertaking

OR

c) Public Limited Companies.

ii) The bidder shall submit following documents in support of his previous supply experience as applicable

a) Copy(ies) of Purchase Order(s) / Contract document(s) and

b) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s) / contract(s) -

- Completion report / performance certified from the clients,

- Bill of lading./ Consignment Note
- Delivery challan / invoice etc.
- Any other documentary evidence that can substantiate the successful execution of each of the Purchase Order(s) / contract(s) cited above.

iii) If the prospective bidder is executing SIMILAR work which is still running and the contract value executed as on the original bid closing date is equal to or more than the minimum prescribed value in the BEC such experience will also be taken in to consideration provided that the bidder has submitted satisfactory work execution certificate issued by end user.

iv) SIMILAR work executed by a bidder for its own organization / subsidiary will not be considered as experience for the purpose of meeting BRC.

Note: 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. Bidders to quote accordingly.

B)FINANCIAL:

1.0Annual Financial Turnover of the bidder during **any of preceding three financial / accounting years from the original bid closing date** should be at least **Rs. 16,50,000 /-**

1.1Net worth of bidder must be positive for preceding financial/ accounting year.

2.0Considering 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..... (as the case may be) has actually not been audited so far'.

Note: (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-B**.

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.

Note: 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. Bidders to quote accordingly.

C) COMMERCIAL:

1.0 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The "Unpriced Bid" shall contain all techno-commercial details except the prices, which shall be kept blank. The "Price Bid" must contain the price schedule and the bidder's commercial terms and conditions. Bidder not complying with above submission procedure will be rejected. **Technical RfX Response folder is meant for Technical bid only. Therefore, No price should be given in Technical RfX Response folder, otherwise the offer will be rejected.**

The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" bid through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.

1.1 In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that "TECHNO-COMMERCIAL UNPRICED BID" should contain details as mentioned in the technical specifications as well as BEC/ BRC , techno- commercial details including quantity offered except prices which shall be kept blank and upload the same in the Technical RfX Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected.** Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RfX Response-> User - > Technical Bid only. The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. **Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under "Notes & Attachments". Priced bids of only those bidders will be opened whose offers are found to be techno-commercially acceptable.**

2.0 Bid security of Rs. 66,000 /- shall be furnished as a part of the TECHNICAL BID (refer Clause No. 8.0 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/CALCUTTA/E-01/2016 for E-procurement (LCB Tenders)). A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.

2.1 For exemption for submission of Bid Security, please refer Clause No. 8.16 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/CALCUTTA/E-01/2016 for E-procurement (LCB Tenders).

2.2 The Bank Guarantee towards Bid Security shall be valid **upto 01.02.2019.**

3.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. Validity of the performance security shall be valid for 90 days beyond contract period/duration and applicable warranty/guarantee/defect liability period (if any). **Bidder must confirm the same in their Technical Bid.** Offers not complying with this clause will be rejected.

4.0 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.

5.0 Validity of the bid shall be minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.

6.0 Bids containing incorrect statement will be rejected.

7.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.

8.0 All the Bids must be Digitally Signed using “Class 3” digital certificate (e-commerce application) with Bidder’s organization name 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” digital certificate with Bidder’s organization name, will be rejected.

9.0 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. Bidders to quote accordingly.

10.0 Bidders are required to submit the summary of the prices in their Commercial (Priced) bids as per bid format (Summary), given in **Annexure CCC** below :

Price Bid Format

Tender No.: _____

	Item No.		
	HSN Code		
	Basic material Value (Unit Rate)		
	Quantity		
		In Rupees	
A.	Total Basic Material Value (Unit rate x Quantity)		
B.	Pre-despatch /Third party Inspection charges, if any		
C.	Packing and forwarding charges, if any		
D.	Total Ex-works value (A+B+C)		
E.	GST on (D)		
F.	Compensatory Cess, if any		
G.	Total FOR Despatching Station Value (D+E+F)		
H.	Freight Charges upto destination		
I.	GST on freight charges		
J.	Insurance charges inclusive of GST		
K.	Training Charges, if any		
L.	GST on training charges		
M.	Installation & Commissioning Charges, if any		
N.	GST on I & C charges		
O.	AMC charges, if any		
P.	GST on AMC charges		
Q.	Total FOR Destination Value (G+H+I+J+K+L+M+N+O+P)		

Gross weight of the total consignment
Gross volume of the total consignment
Name of Despatching Station
Delivery Period
Validity
Payment terms
Name of original manufacturer
Other terms if any

Name of Bidder
Full Name :
Address :
Date :

Note:

1. Bidders must quote Freight Charges upto destination specified in tender. In case bidder fails to quote inland freight charges, highest freight quoted by the other bidder (considering pro-rata distance) against this tender or OIL's estimated freight , whichever is higher, shall be loaded to their offer for comparison purpose.
2. Inspection Charges (Ref. B), Training Charges (Ref. K & L), I&C Charges (Ref M & N) and AMC Charges (Ref. O & P) are to be quoted wherever specifically asked for in the tender.
3. Other clauses on Goods & Service Tax shall be applicable as incorporated elsewhere in this tender.

II) BID EVALUATION CRITERIA

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned below:

1.0 The evaluation of bids will be done as per the Price Schedule (SUMMARY) detailed vide **Para 10.0** of Bid Rejection Criteria.

2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

3.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be done on FOR Destination basis, subject to corrections / adjustments given herein.

4.0 This tender shall be guided by Purchase preference policy-linked with Local Content (PP - LC) notified vide letter no. O-27011/44/2015-ONG-II/FP dated 25.04.2017 of MoP&NG as well as Public Procurement Policy for MSEs-Order 2012. For details of the PP-LC policy, please visit OIL website at www.oil-india.com and it is also provided in Annexure-II of this tender.

Purchase Preference will be given as per prevailing Government Guidelines as applicable on the bid closing date

Bidders seeking benefits, under Purchase Preference Policy (linked with Local Content) (PP-LC) shall have to comply with all the provisions specified and shall have to submit all undertakings / documents applicable for this policy.

In case a bidder is eligible to seek benefits under PP-LC policy as well as Public Procurement Policy for MSEs-Order 2012, then the bidders should categorically seek benefits against only one of the two policies i.e. either PP-LC or MSE policy. If a bidder seeks free of cost tender document under the MSE policy, then it shall be considered that the bidder has sought benefit against the MSE policy and this option once exercised cannot be modified subsequently.

5.0 In case any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) mentioned here contradict the Clauses in the General Terms & Conditions of the Tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

COMMERCIAL CHECKLIST*(To be filled up and submitted along with the bid)*

Tender no.	
Bidder's name	

SL. NO.	BEC / TENDER REQUIREMENTS	COMPLIANCE BY BIDDER	
		Indicate 'Confirmed'/'Not Confirmed' /Not applicable	Indicate Corresponding page ref. of unpriced bid or
1	Confirm that validity has been offered as per NIT.(120 days from BC date).		
2	Confirm that Bid Security / Earnest Money has been submitted as per NIT (Wherever Applicable)?		
2.1	Confirm that original bid bond guarantee has been submitted in format MENTIONED IN NIT.		
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 as per BRC Technical		
6	Confirm that you have submitted proof of annual turnover and net worth certified by a chartered accountant (with membership number and Firm registration number) .		
7	Confirm that the offers and all attached documents are digitally signed using Class 3# digital certificate (e-commerce application) in Organization Name issued by an acceptable Certifying Authority (CA) as per Indian IT. Act 2000.NIT.		
8	Confirm that you have not taken any exception/deviations to the NIT.		
9.	Confirm that the product offered strictly conform to the technical specifications.		
10	Confirm that the prices offered are firm. <i>(Conditional offer shall be liable for rejection.)</i>		

NOTE: Please fill up the greyed cells only.

Bidders Response Sheet- Annexure FFF

No.	Tender No.	
	Bidders Name	
Sl	Description	Remarks
1	Place of Despatch	
2	Whether Freight charges have been included in your quoted prices	
3	Whether Transit Insurance charges have been included in your quoted	
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	Delivery Period in weeks from placement of order	
10	Complied to Payment terms of NIT (if applicable) otherwise to Standard	
11	If bidder is MSE whether you have quoted your own product	
12	If bidder is Small scale unit , whether you are owned by SC/ST	
13	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	
14	Confirm that the Bid Security submitted (In case of Bank Guarantee) is in toto as per format provided in the bidding document.	
15	Bid Security if Not submitted, reasons thereof	

NOTE: Please fill up the greyed cells only.

**(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.

ANNEXURE-B**CERTIFICATE OF ANNUAL TURNOVER & NET WORTH**TO BE ISSUED BY PRACTISING **CHARTERED ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD**TO WHOME IT MAY CONCERN**

This is to certify that the following financial positions extracted from the audited financial statements of **M/s**.....(Name of the Bidder)for the last three (3) completed accounting years upto.....(as the case may be) are correct.

YEAR	TURN OVER In INR (Rs)	NET WORTH In INR (Rs)

Place:

Date:

Seal:

Membership No..

Registration Code:

Signature:

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
I.	General	Factory assembled 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.	
II.	Statutory Norms	1)Engine: 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 G.S.R. 771(E) . –sections 6 and 25 of the Environment (Protection) Act, (i) 1986 (29 of 1986), the Central Government (Govt of India) and subsequent notifications as applicable. Note-The latest version of the emission norm as applicable, shall be valid for evaluation purpose.	
		(ii) 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. Note-The latest version of the emission norm as applicable,shall be valid for evaluation purpose.	
		2) Acoustic Enclosure(Canopy) : (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 with must 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]]	
		(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.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		<p>3)The bidder must confirm the following in their bid, failing which their bid shall be rejected:</p> <p>(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.</p> <p>(ii) The compliance report from Govt. approved agencies, if any, must be submitted prior to dispatch of the pump set for OIL's scrutiny and acceptance.</p>	
III.	PRIME MOVER (DIESEL ENGINE)	<p>1) General Site Conditions:</p> <ul style="list-style-type: none"> ➤ Maximum Temperature : 45 Deg.C, Minimum Temperature : 5 Dec.C ➤ Maximum Relative Humidity at 21 Deg C : 100 %, at 35 Deg C : 95 %, at 41 Deg C : 70% ➤ Maximum Altitude above mean Sea Level : 150M 	
		<p>2) Governing Standards:</p> <p>(a) Engine: IS:10001/BS:5514 or applicable standard.</p> <p>(b) Governing: Class A-1 specifications of IS: 10000 / BS: 5514. OR Governing class (As per ISO 8528 Part-V)</p>	
		3) Make of engine:	
		4) Model of engine:	
		5) Duty: continuous	
		6) RPM: 1500	
		7) Fuel: HSD	
		8) Start: Electric Start	
		9) Cycle: Four Stroke	
		10) Cylinder: Multi cylinder (Bidder to specify number of cylinders of the offered engine)	
		11) Engine Arrangement: Vertical Inline Engine	
		12) Compression Ratio:	
		13) Size (bore & stroke):	
		14) Displacement:	
		15) Aspiration: Naturally Aspirated or Turbocharged.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		16) Engine Cooling System: Water Cooled(fitted with Blower Type Radiator Cooling System)	
		17) Gross HP at 1500 RPM:	
		18) HP Deductions: (Please specify the considered deductions)	
		19) Net Minimum Available Horse Power: . Engine should be able to develop power required for driving a generating set of 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 Genset for Prime duty application.	
		20) Power for Prime Duty: 62.5 KVA/ 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. The governing standard will be IS/ ISO 8528-5.	
		20) Specific Fuel Consumption at:	
		a. 100% Load	
		b. 75% Load	
		c. 50% Load	
		21) Lube Oil Consumption(LT/HR):	
		22) Air Intake System: Type of Air cleaner of the offered engine to be furnished.	
		23) Starting System: The Starting System should comprise of Maintenance Free Lead – Acid Batteries with 180 AH Capacity of Reputed Make, Engine mounted Battery charging Alternator (Make: LUCASTVS). 12 Volt Starter (Make: LUCAS TVS/ DELCO REMY) and Starting ring fitted to the Engine Flywheel.	
		24) Engine Exhaust System: 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.	
		25) Fuel System: The Fuel System should comprise of Mechanical Governor, Fuel Injectors, Fuel Pump, Fuel Filter Assembly, Fuel lines and Fuel Tank having	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		storage capacity to meet the Fuel requirements of 12 hours of full load operations. The fuel system should include fuel level indicator and external arrangement for filling / topping up with anti theft locking arrangement.	
		26) Lubricating System: 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.	
		27) Gauges and Instruments: The Engine instrument Panel should include the following: i) Lubricating oil pressure gauge ii) Lubricating oil temperature gauge iii) Starting Switch iv) Digital/Mechanical Tachometer and Hour Meter v) Ammeter / Battery Charging Indicator vi) Engine Low Lube Oil Pressure indication display red lamp vii) Engine Over Temperature / Cooling System Failure indication display red lamp viii) Emergency Stop Switch (Mounted on exterior of the Acoustic Canopy) NB: All the Gauges and Instruments should be easily visible from outside of the Acoustic Enclosure/ Canopy.	
		28) Engine Safety Controls: The following Safety shut off/trip system should be incorporated to Shut Down the Engine in the event of: i) Low Lubricating oil pressure. ii) Engine over speed. iii) Engine over Temperature / Cooling System Failure. 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.	
		29) Other Features should be as under: i) Flywheel ii) Flexible Coupling iii) Lifting eyes	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		iv) Standard Guards over Belt Drives (Blower Fan Drive, charging Alternator drives pulley and flexible coupling). v) Standard Painting vi) SAE standard rotation	
		30) The engine of the offered DG Set should have (i) Proven track record for DG Set applications in Central/State PSUs or Central Govt. Organizations of India or any other Public Limited Company. Relevant documentary evidence in this regard to be furnished. (ii) Should have logged minimum successful 6000 hours of running or should have completed one year of successful running from its date of commissioning prior to the bid closing date of this tender. Satisfactory performance certificate from end user in this regard to be furnished.	
IV.	ALTERNATOR	1) General Description: Brushless type alternator of around 63 KVA rating when coupled to suitable water cooled or air cooled Diesel Engine will develop 63 KVA at 3 phases, 0.8 power factor, 415 Volt when running at 1500 rpm under NTP conditions.	
		2) Make: Crompton Greaves/Stamford/Kirloskar/NGEF/ABB/Kato/Caterpillar	
		3) Rated Output: 62.5 TO 63 kVA continuous rating at 0.8 PF at specified ambient conditions.	
		4) Rated Voltage: 415 Volts, Phase-to-Phase	
		5) Phase : 3, (4 wire) i.e. neutral point has to be brought out to terminal box	
		6) Type : Brush less	
		7) Frequency rated / cycle : 50 Hz	
		8) Rated power factor : 0.8 lagging	
		9) No. of Poles : 4	
		10) Class of Insulation: F/H .	
		11) RPM : 1500	
		12) Phase sequence : UVW	
		13) Conform to: IS:4722, IS: 13364 with latest amendments.	
		14) Rating : Continuous duty suitable for Motor loads.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		15) Connection : Y (Star)	
		16) Ambient : 45 °C max, 5° C min, RH 98%	
		17) Alternator Enclosure Protection: IP 23	
		18) Alternator Terminal Box Protection: IP 54	
		19) Mounting : Foot mounted	
		20) Excitation system : Excitation system: Brush less, self excited, self Regulated with solid state AVR. Voltage characteristics- VG3 as per Table-1, IS-13364 (Part-2). Exciters shall be rated 1.25 times the full load (rated) conditions. The brush less alternator shall have exciter and rotating rectifier-bridge mounted on shaft complete with diodes and surge suppressor, main field windings and stator windings. PIV of exciter diodes must be 800v or 8 times the maximum exciter armature operating voltage, whichever is higher. At nominal speed the excitation system must produce sufficient residual voltage in order to ensure self excitation.	
		21) AVR: Automatic voltage regulator should be mounted with approved rubber bushes under AVR mounting holes to reduce vibration. AVR shall be suitable for motor loads, VG3 regulation. In the event of any fault due to over voltage/high bearing temperature/high winding temperature, or an external fault, the AVR shall remove the excitation voltage to the alternator. An emergency trip PB shall also be provided.	
		22) Permissible voltage variation: As per Table-1, IS-13364 (Part-2)	
		23) Permissible Waveform deviation: As per IS-13364 (Part-2)	
		24) Permissible frequency variation: As per IS-13364(Part-2)	
		25) Permissible Unbalanced current: As per IS-13364 (Part-2)	
		26) Permissible Short circuit current: As per IS-13364 (Part-2)	
		27) Frame size : Bidder to confirm	
		28) Permissible voltage swing (Transient response): As per IS-13364 (Part-1/2)	
		29) Permissible harmonic distortion factor: As per IS-13364 (Part-1/2)	
		30) Permissible vibration: As per IS-12075	
		31) Motor starting ability : 200 % of FLC for 10 sec with max. voltage dip of 20%.	
		32) Cooling: Air cooled by integral fan	
		33) All windings should be made from electrolytic grade copper of high purity	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		34) The alternator shaft should be supported on rolling element bearings at DE and NDE. Single bearing design will also be considered.	
		35) The brushless alternator shall be composed of 3 phase AC exciter with rotating diodes, surge suppressor, static voltage regulator with voltage adjuster potentiometer, main field windings and stator windings. PIV of exciter diodes must be minimum 6 times the maximum exciter armature operating voltage or 1200v whichever is higher. All windings should be made from electrolytic grade copper of high purity.	
		36) The alternator shaft should be supported on rolling element bearings at DE and NDE.	
		37) Voltage swing (Transient response) when rated load is suddenly switched on: As per IS: 13364 (Part-2)	
		38) The alternator should be capable of sustaining a 10 % over load for one hour in any 12 hours operation.	
		39) The alternator should be capable of withstanding 1.2 times the rated speed without any damage.	
		40) The alternator should be capable of continuous operation over a range of 110 % of rated voltage.	
		41) Automatic voltage regulation ± 0.5 % to ± 1.0 % from no load to full load.	
		42) Total harmonic distortion factor should be less than 3 % between phases at no load.	
		43) Alternator stator winding terminals are to be connected to 4 nos. of suitably rated terminals supported on sheet molding compound (SMC) supports inside the alternator terminal box.	
		44) "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 copper cable. Separate cable box shall be provided for supporting 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. The mounting of AVR shall be on anti-vibration bushes/pads and shall be separated from the power terminals"	
		45) 02 (two) nos. of earth studs are to be provided on both sides of the alternator.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		46) Lifting hooks are to be provided for lifting the alternator.	
		47) Automatic voltage regulator should be mounted with rubber bushes under AVR mounting holes to reduce vibration. AVR should have under speed, over excitation protection features with LED display.	
		48) 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.	
		49) Bidder to mention efficiency of the alternator at 25 %, 50 %, 80 % load at 0.8 pf.	
		50) Alternator frame should be made from MS or Cast steel.	
V.	SPECIFICATION OF CONTROL PANEL	<p>Sheet steel clad, self supporting, floor mounting, cubicle type, dust and vermin proof generating set control panel made of 2mm thick MS CRCA sheet and built upon rigid framework, having front and rear hinged doors with danger plate fitted on both sides, lifting lugs on top, ventilation louvers on both sides, bottom detachable gland plates, double earthing studs on two sides, complete with suitably sized zinc passivated hardwares with heavy plain and spring washers. The panel doors should have neoprene rubber gasket. The panel should be designed and manufactured as per IS-8623. Suitable wire mesh should be provided on the inner side of the louvers to prevent entry of insects. The metal surface of the panel should be given minimum seven tanks anti corrosion treatment and then powder coated. 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. The frame should be able to withstand the stress and vibration during transportation.</p> <p>The detail description of the panel is as described below:</p>	
		1) AVR of the alternator shall be mounted with vibration proof supports	
		2) Generator control panel MCCB should trip on the following faults:	
		i) Earth leakage, through earth leakage relay.	
		ii) Over load & short circuit. Tripping from inbuilt trip unit of MCCB.	
		3) Instruments and Switches: (Mounted on front hinged door)	
		i) 1 No. Power & Energy monitor (Multi-function meter) showing Voltage, current, power (KW), Power factor, KWH & Maximum demand, 5 elements of power showing at a glance with communication port compatible to PCs.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		Make of Meter – Siemens (Sentron PAC 3200)/ SOCOMEC -HPL (Model - DIRIS A 40/A41)/ Schneider Group (Model- PM700).	
		ii) 01 No. Digital Hour meter to indicate engine run hours (L&T/reputed make)	
		(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. Binay/L & T/Telemecanique/Siemens Make.	
		a) Trip on earth fault.	
		b) Set running.	
		4) Main Components : (Mounted Inside the Panel)	
		(i) Panel should have one set of TP & N electrolytic grade, high conductivity, tinned copper bus-bars, made from electrolytic grade copper of 99.0 % purity, rated 100 amps and supported at required intervals to withstand short circuit fault levels up to 10 KA for 3 secs. Bus-bar support shall be non- hygroscopic SMC / FRP and the Bus-bar shall be insulated with heat shrinkable PVC sleeves. Incoming and outgoing power cable shall terminate on tinned copper links rated for 100amp.	
		(ii) 01No. 125 Amps TP & N (Neutral bus to have removable link with bolt) CFS unit, fitted with 63 Amps HRC fuse, type : CMM (GEPC make).	
		(iii) 01 No. 100 Amps, 4 pole, MCCB, 25 KA breaking capacity, with inbuilt electronic type adjustable overload & short circuit protection. 240v AC shunt trip coil is required for external tripping. Front Drive kit with door interlocking facility to ensure that the door can be opened only when the MCCB is in the OFF position. Overload should be adjustable from 50% to 100% and short circuit setting should be also adjustable from 4 I _n to 10 I _n . Make: Legrand/ Merlin-Gerin/ABB	
		(iv) 01No. CBCT along with Earth leakage relay for protection against earth leakage should be provided. Relay adjustable settings: 0.1 - 0.3- 1.0-3.0-10.0 Amp & 0.06-0.1-0.3-1.0- 5.0 Sec in steps. In case of earth leakage fault the relay should trip the MCCB through shunt trip coil. The CBCT (ID 35mm) size should be such that relay should not trip during shortcircuit due to saturation (Make: GE /Legrand/ Merlin Gerin).	
		(v) 06 # Bar Primary Resin cast CT of 50/5 ratio, 15 VA, class-1 conforming to IS	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		2705 (3 nos. for ammeter and KW meter, 3 nos. for KWH meter (AEL / Kappa make). However bidder may re-assess the requirement and provide accordingly.	
		(vi) Auxiliary Relay / Contactor 240 AC with some spare contacts. Quantity should be as per the control circuit requirement. (L&T /Siemens/ Schnieder make)	
		(vii) HRC instrument fuse holders NS type phenol moulded with suitable fuses & links for different circuits. Separate fuses and neutral links should be provided for control circuit indicating system lamps, instruments, enclosure illumination and tripping circuit (GEPC make).	
		(viii) Terminal strips for terminating the AVR cable from Alternator.	
VI.	WIRING SCHEME	1) Control system will work on 240v AC. Control panel inside wiring shall be done with 2.5 sqmm, flexible copper, 1100v grade PVC insulated wires approved by ISI, TAC, FIA. All wiring will have copper lugs & terminal blocks as required. Wiring for lighting circuit MCB, power outlet and wiring for CT will be done with 2.5 sqmm, flexible copper, 1100v grade PVC insulated wires approved by ISI, TAC, FIA& have ring type lugs. Colour code for wires shall be followed. Make: Finolex/ Havells/reputed	
		2) Output from the Alternator terminal box should be connected to control panel input with heavy duty 4X 25 sq.mm, 1100v grade, PVC insulated and PVC sheathed, armoured, strandedcopper cable approved by IS-1554. Cablesare to be connected using copper lugs. Make: NICCO/ CCI/Incab/Universal/Necab/Polycab/RPG/Finolex/Havells.	
		3) Heavy duty Single Compression Cable Glands shall be provided at all cable entries for power and control cables. Cable Glands shall also be provided for the outgoing power cable. Make: Baliga/FCG/GMI/Dowells.	
		4) All power and control cable terminal ends will have suitable heavy duty crimping lugs. Make: Dowells.	
		5) Alternator to panel power cable, AVR cable shall be protected in their run from unit to control panel to avoid any damage.	
		6) Suitable provision shall be made for safe routing of output cable from panel to outside of the unit.	
		7) All cables and accessories like lugs, glands for the cables used etc. shall be in	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		the scope of the supplier, including the outgoing power cable glands from the control panel. OIL shall supply the outgoing power cable only.	
VII.	ENCLOSURE ILLUMINATION AND POWER OUTLET	Enclosure will have one no. of 125w MV Bulkhead type luminaries mounted on enclosure wall and wired with heavy duty PVC insulated and PVC sheathed armored, stranded copper cable approved by IS. Light will be switched from individual MCB, 6amp, C curve, mounted on control panel cover & have back-up HRC fuse and neutral link of 16 amp rating. One no. industrial type metallic plug socket of 10amp rating with 10 amp SP MCB as switch should also be fed from lighting circuit fuse. The socket should be mounted on the enclosure side. Power for lighting circuit and socket outlet should be taken from the main bus through HRC fuses. Make: Philips for luminaire &Legrand/ Merlin-Gerin for MCB/ Metallic plug socket.	
VIII.	EARTHING	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. 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. The neutral of the alternator will be earthed by connecting two nos. of earthing cables from neutral bus inside the panel to separate earth electrodes outside. Suitable provision is required in the panel base plate for safe entry of neutral earth cable. Heavy duty PVC insulated, PVC sheathed, flexible, single core, IS approved copper cables of 25 sqmm size shall be used for each earth connection. The cables to be terminated with lugs and suitably protected against mechanical damage. Earth cable shall be protected to avoid any damage and to be run in galvanized, flexible MS conduit. Make: NICCO/ CCI/Incab/Universal/Necab/Polycab/RPG/Finolex/Havells.	
		3) Both the straps shall extend upto the back side of the enclosure and each strap will have one no. of zinc coated terminal stud of 10mm dia provided at end of the straps for connection to system earth. Two nos. of earthing cables of size & type mentioned in point no.2 above and individual length of 5.0 mtr shall be provided and connected to these two straps for external earthing. The free ends of these cables shall be crimped with heavy duty, tinned	

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		copper tubular lugs. Suitable opening with hinged cover shall be provided in the rear side of the unit to facilitate the entry of outgoing power cable and earth leads.	
IX.	Panel Painting	Panels should be thoroughly cleaned before applying two coats of rust preventive paints. This shall be followed by three coats of paint light grey Shade No. 631 as per IS: 5.	
X.	CHANGE OVER SWITCH PANEL	1) One no change over switch panel (COSP) should be provided, which have to be incorporated into the acoustic enclosure itself with provision of easy operation from outside. The switching panel will comprise of:	
		a) On load change over switch: 1 no. 415 Volts, 100 Amps, 3 phase (with neutral), 4 pole Make: GEPC / L & T / Crompton Greaves / Siemens	
		b) Wall mounting type fuse switch unit with HRC fuse and SM type fuse holder: 2 nos. 415 Volts, 100 Amps, 3 phases (with neutral) Make: GEPC / L & T / Crompton Greaves / Siemens.	
		c) One no 40W lamp with MCB	
		2) The COS panel should be fabricated with sheet steel, dust and vermin- proof, self-supporting, suitable for outdoor installation (with canopy), industrial type conforming to IP-54. It should be fabricated from 2mm MS CRCA sheet steel and suitable size rigid M.S. angle iron / M.S. channel frame work to have sufficient strength. Panel door should be of double leaf arrangement with heavy-duty hinges and lockable. A neoprene gasket is to be provided around the periphery of panel door to make it dust and vermin-proof. Panel should be floor mounted. An earth bar of 50 mm x 6 mm of G.I. strap is to be provided on the backside of the COS panel for earth connection. Danger plates are to be provided on front and rear side of the panel. 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 copper cables. Suitable size of cable gland are to be provided at cable entry point of the COS panel. 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 total height of the panel from ground level should not be	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		more than 1.8 meters. Output from the Alternator control panel should be connected to one of the COS input terminal with heavy duty 4X 25 sq.mm, 1100v grade, PVC insulated and PVC sheathed, armoured, stranded copper cable approved by IS-1554. Cable to be supplied & connected by the bidder using copper lugs. Make: NICCO, CCI, Finolex, Havells. Other two terminals, one for terminating outgoing cable and other as incomer from second alternator are to be placed separately by putting partitions.	
		3) COS Panel Painting: COS Panel should be thoroughly cleaned before applying two coats of rust preventive paints. This shall be followed by three coats of paint light grey Shade No. 631 as per IS: 5, thickness - 50 Microns.	
		4) Suitable electrical connection with 4 core x 35 mm ² PVC insulated armored copper cable between control panels of gensets to incomer (main) fuse switch unit and then to changeover switch of COSP shall be done. Acoustic enclosure and COS panel shall be interconnected with 50mmX6mm GI strap for earthing. There should be provision for connecting common points of earthing system to local earth electrodes.	
XI.	NOTES (Alternator and Control Panel)	1) The bidder shall submit all indicative power and control wiring diagram for the offered alternator.	
		2) Offered alternator should be of proven design / model.	
		3) Bidder shall submit the following information regarding alternator along with the offer failing which offer is liable for rejection:	
		a) Frame size	
		b) Dimensional drawing	
		c) Technical datasheet	
		d) Catalogue	
		4) Alternator and control panel are to be guaranteed for period of 12 months from the date of commissioning against any manufacturing defects.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		5) Guaranty Certificate shall be submitted at the time of delivery of alternator and control panel. 6) Test certificate of alternators shall be furnished at the time of delivery of alternator. 7) Bidder shall submit the drawings (Dimensional, schematic, GA, component layout and wiring layout) of control panel to OIL on placement of order and shall proceed for manufacturing of the panel only after getting due approval from OIL. 8) Packing should be adequate to avoid transit damage. 9) Three sets of control circuit diagram of control panel and commissioning cum maintenance manual for alternator should be provided along with the material. 10) Any items/ points not included in the specifications but necessary for efficient control and operation of the alternator shall be stated by the bidder. 11) Spare parts list along with the price should be provided along with the quotation.	
XII.	SKID / BASE FRAME	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.	
XIII.	Acoustic Enclosure	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: 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.	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		<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 & 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>	
		2) The acoustic enclosure should be modular type. This should facilitate easy assembling/dismantling	
		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.	
		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) OIL's Purchase Order No must be permanently marked on two sides of the enclosure in 8 Inch (200MM) sized lettering.	
		7) Enclosure Illumination: See Clause No VII above.	
		8) 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.	
		9) 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.	
		10) The acoustic enclosure with skid should also incorporate:	
		a) Locking arrangement(Provision for fitting external lock and key)	
		b) Lifting arrangement for entire skid/genset with enclosure.	

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		c) Draining arrangement for fuel and lubeoil.	
		d) Air breather.	
		e) Hood for rain protection	
		f) Emergency stop button	
		g) Panel meter viewing window	
XIV.	SKID	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.	
XV.	SPARE PARTS	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 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 alongwith the complete package (The cost of the same to be included in the main offer):	
		(a) Engine Spares:	
		i. Fuel filter - 06 nos (per genset)	
		ii. Lub. oil filter - 06 nos (per genset)	
		iii. Air filter- 06 nos (per genset)	
		iv. Complete Set of Belts – 04 Sets (per genset)	
		v. Coolant for each engine	
		(b) Electrical Spares:	
		i. Automatic voltage regulator unit (along with any other component used with AVR) – 02 sets	
		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	
XVI.	INSPECTION AND TESTING	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. Amongst others, all routine tests of the alternator and control panel shall be witnessed during the inspection. Intimation for inspection of complete unit must be sent to OIL at least 15 days in advance.	

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		<p>All routine tests of the alternator and control panel shall be witness during the inspection at respective manufacturer's works. Prior information to be given to OIL.</p> <p>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.</p> <p>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.</p>	
		<p>2) 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- XIX below.</p>	
XVII.	TEST CERTIFICATES	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.	
XVIII.	PACKING	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.	
XIX.	DOCUMENTS TO BE ATTACHED WITH THE FINAL SHIPMENT	The following documents [atleast 03 bound sets (if not specified otherwise hereunder)] are to be separately packed and forwarded to HEAD- FIELD ENGINEERING, OIL INDIA LIMITED, DULIAJAN- 786602, ASSAM , 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. <u>Draft copy of the same to be submitted to OIL's inspection team during the time of pre-dispatch inspection for approval.</u>	
		2. PARTS BOOKS- that illustrate and list all assemblies, subassemblies and components.	
		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	

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		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. Three(03) sets of following documents shall be submitted in bound form along with the supply of the genset (s) # GA drawing # Detailed power & control wiring diagram, detailed enclosure drawings for control panel, earthing # Scheme, layout plan of the unit showing all parts. # Details of power cables, control cable and their routes. # Bill of materials of all components. # Technical literature of alternator. # Composite O&M manual of the generator covering all sub-systems. #Part Manual for Engine and Alternator. # Catalogues of various components. # All test certificates for tests done at manufacturer's works for alternator, control panel and complete unit. # Tests to be done during commissioning. # 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. # List of recommended spares for two years including part nos and descriptions.	
XX.	INSTALLATION AND COMMISSIONING OF UNIT	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 supervision of all electrical works should have valid supervisory license. External power cable from	

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		<p>control panel of the unit to the load center shall be provided by OIL and the party will connect the same to the genset 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 shall be provided by OIL . However bidder has to arrange welding and cutting facilities 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.</p> <p>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 genset will be treated as successfully commissioned from electrical side after successful load test of the unit at OIL's field site with available load for 72 hrs and submission of all documents and all spares as per Purchase Order.</p> <p>Note : Once commissioned at designated site the generating set will be subjected to a trial run (reliability run) on available load for a minimum period of 72 hrs continuously and on satisfactory performance shall be subsequently handed over to OIL.</p>	
XXI.	RESPONSIBILITY	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.	
XXII.	SERVICE AND WARRANTY	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 must undertake and confirm from OEMs that the equipment to be supplied are not going to become obsolete for the next 10 years and provisioning of spares can be continued.	

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XXIII.	BID REJECTION CRITERIA(BRC) / BID EVALUATION CRITERIA (BEC)	<p>The bids must conform to the specifications, terms, and conditions given in the NIT. Bids shall be rejected in case the items offered do not conform to the required minimum / maximum parameters stipulated in the technical specifications and to the respective international /national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected:</p> <p>A) Technical :</p> <p>1.0 <u>Qualification Criteria</u></p> <p>1.1 Bidder may be an Original Equipment Manufacturer (OEM) of Generating set/Engine/Alternator.</p> <p style="text-align: center;">OR</p> <p>Bidder may be an authorized dealer of OEM for the Engine/Alternator /Generating set.</p> <p style="text-align: center;">OR</p> <p>Bidder may be an OEM approved assembler of Generating set or its authorised dealer.</p> <p>1.2 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.</p> <p style="text-align: center;">OR</p> <p>In case the bidder is an OEM approved assembler of Generating sets, Engine and Alternator must be purchased from OEM or their authorized dealers.</p> <p><i>Note: But whatever may be their status in para 1.1 & 1.2 above, bidder will have to enclose documentary evidence along with the offer, failing which offer will be rejected</i></p> <p>2.0 <u>Experience Criteria:</u></p>	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		<p>2.1 Bidder or their OEM must have experience of successfully executing at least one (1) SIMILAR order of Rs16,50,000.00(Rupees Sixteen lacks and Fifty Thousand Only) in previous (05) Five years reckoned from the original bid closing date.</p> <p>Notes to Clause 2.1</p> <p>i) "SIMILAR order" mentioned above implies Supply, installation & commissioning and testing of Diesel engine driven Generating Set of capacity 62.5kva/63 kva or above along with control panels and accessories in any of the following:</p> <p>a) Central/State Govt. Organization b) Public Sector Undertaking OR c) Public Limited Companies.</p> <p>ii) The bidder shall submit following documents in support of his previous supply experience as applicable</p> <p>a) Copy(ies) of Purchase Order(s) / Contract document(s) and b) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s) / contract(s) -</p> <ul style="list-style-type: none"> - Completion report / performance certified from the clients, - Bill of lading./ Consignment Note - Delivery challan / invoice etc. - Any other documentary evidence that can substantiate the successful execution of each of the Purchase Order(s) / contract(s) cited above. <p>iii) If the prospective bidder is executing SIMILAR work which is still running and the contract value executed as on the original bid closing date is equal to or more than the minimum prescribed value in the BEC such experience will also be taken in to consideration provided that the bidder has submitted satisfactory work execution certificate issued by end user.</p> <p>iv) SIMILAR work executed by a bidder for its own organization / subsidiary will not be considered as experience for the purpose of meeting BRC.</p>	

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		<p>Note: 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. Bidders to quote accordingly</p>	
		<p>B)FINANCIAL:</p> <p>1.0Annual Financial Turnover of the bidder during any of preceding three financial / accounting years from the original bid closing date should be at least Rs. 16,50,000 /-</p> <p>1.1Net worth of bidder must be positive for preceding financial/ accounting year.</p>	
		<p>2.0Considering 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..... (as the case may be) has actually not been audited so far'.</p>	
		<p>Note: (a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-</p> <p>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-B.</p> <p>OR</p> <p>ii) Audited Balance Sheet along with Profit & Loss account."</p> <p>b) In case the bidder is a Central Govt. Organization/PSU/State Govt.</p>	

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		<p>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.</p> <p>Note: 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. Bidders to quote accordingly.</p>	
XXIV.	DATA SHEETS	<p>(a) Engine</p> <p>1) MAKE</p> <p>2) MODEL</p> <p>3) NUMBER OF CYLINDER</p> <p>4) ASPIRATION</p> <p>5) COMPRESSION RATIO</p> <p>6) SIZE (BORE & STROKE)</p> <p>7) DISPLACEMENT</p> <p>8) DUTY</p> <p>9) GROSS HP AT 1500 RPM</p> <p>10) DEDUCTION FOR FAN, ALT & TEMP.</p> <p>11) NETT HP AVAILABLE AT 1500 RPM</p> <p>12) SPECIFIC FUEL CONSUMPTION AT</p> <p>a. # 100% LOAD</p> <p>b. # 75% LOAD</p> <p>c. # 50% LOAD</p> <p>13) LUBOIL CONSUMPTION(LT/HR)</p> <p>14) ENGINE SUMP CAPACITY</p> <p>15) MAKE & TYPE OF GOVERNOR</p> <p>16) LENGTHX WIDTH X HEIGHT</p>	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		(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 : speed, and power factor Voltage swing (transient response) : Permissible Engine Speed variation: Permissible frequency variation at rated : Speed and power factor Period for taking load from start impulse: Motor starting ability : Overload capacity : Unbalanced current carrying capacity: Short circuit current withstand capacity: Over voltage : Mounting :	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		<p>Amplitude of vibration at no load:</p> <p>20.0 DATA SHEET OF PANEL AND INSTRUMENTS:</p> <p>1 MCCB</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No/Type</p> <p>2 Power and Energy monitor</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No/Type</p> <p>3 Frequency relay</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No/Type</p> <p>4 Change over switch</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No</p> <p>5 Auxiliary relays</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No</p> <p>6 Hour meter and RPM meter (mechanical/digital)</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No</p>	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)
		<p>7 CT</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No</p> <p>8 LED</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No</p> <p>9 Earth Leakage Relay</p> <p>a) Make</p> <p>b) Range</p> <p>c) Cat No/Type</p> <p>10 Voltage Monitoring Relay</p> <p>a) Make</p> <p>b) Range</p> <p>c) Cat No/Type</p> <p>11 Digital RPM Meter</p> <p>a) Make</p> <p>b) Range</p> <p>c) Cat No.</p> <p>12 COS</p> <p>a) Make</p> <p>b) Rating</p> <p>c) Cat No</p> <p>All the components including CT, indicating meters, fuses, push buttons etc shall be</p>	

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) (Attach Separate Sheet if necessary)			
		as per NIT				
XXV.	CHECK LIST	PLEASE TICK				
		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	
		17. Whether confirmed that control panel drawing shall be approved by OIL before manufacturing in the event of placement of order?	Yes		No	
		18. Whether offered engine is as per NIT ?	Yes		No	
		19. Whether quoted for supply, installation, commissioning & handing over of genset?	Yes		No	
OIL's Tender No.----- Signed-----			<div style="border: 1px solid black; padding: 10px; text-align: center;"> Bidders to Affix Stamp here </div>			

Sl no	Description	Specifications	Bidder's Remarks (To be duly signed and stamped on each page) <i>(Attach Separate Sheet if necessary)</i>
For & behalf of ----- Designation-----			