Annexure-II

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan-786602, Assam, India
E-mail: material@oilindia.in

INVITATION FOR BID
LOCAL COMPETITIVE BID

OIL INDIA LIMITED invites Local Competitive Bid (LCB) through its e-procurement portal https://etender.srm.oilindia.in/irj/portal for the following items:

Tender No	Bid Closing/ Opening Date	Item & Qty
SDI9585P16 DT: 12.12.2015 (SINGLE STAGE TWO BID SYSTEM)	**28.01.2016**	**16 NOS FEEDER PILLAR**
SDI9589P16 DT: 12.12.2015 (SINGLE STAGE TWO BID SYSTEM)	**28.01.2016**	**62.5KVA/63KVA GENERATING SET**
SSI9608P16 DT: 14.12.2015 (SINGLE STAGE TWO BID SYSTEM)	**28.01.2016**	**240 KL LINSEED OIL**

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents **till One week prior to bid closing date**. The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal https://etender.srm.oilindia.in/irj/portal as well as OIL's website www.oil-india.com.
NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e- portal only and 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)
PO : Duliajan – 786602
Assam (India)

TELEPHONE NO. (91-374) 2808719
FAX NO: (91-374) 2800533
Email: ranjanbarman@oilindia.in ; erp_mm@oilindia.in

FORWARDING LETTER

Tender No. : **SDI9589P16 DT: 12.12.2015**

Tender Fee : **Rs 1,000.00**

Bid Security Amount : **Applicable**

Bidding Type : **SINGLE STAGE TWO BID SYSTEM**

Bid Closing on : **As mentioned in the e-portal**

Bid Opening on : **-do-**

Performance Security : **Applicable**

Integrity Pact : **Applicable**

OIL invites Bids for **Supply, Installation & Commisioning of 62.5KVA/63KVA GENERATING SET - 04 Nos** 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/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents

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

The tender will be governed by:

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

b) OIL's office timings are as below:

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

Vendors should contact OIL officials at above timings only.

c) "General Terms & Conditions" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

d) Technical specifications and Quantity as per **Annexure – 1A**.

e) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.

f) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.

g) All corrigenda, addenda, amendments, time extension, clarifications etc. To the tender will be hoisted on OIL's website (www.oil-india.com) and in the e-portal (https://etenders.srm.oilindia.in/irj/portal) only and no separate notification shall be issued in the press. Prospective bidders are requested to regularly visit the website and e-portal to keep themselves updated.

h) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).

i) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the Technical RFX Response.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered **(documentary evidence to be provided along with the bid in Technical RFx -> External Area - > Tender Documents)** as on the Bid Closing Date:

Criteria	**Complied / Not Complied.** **Documentary evidence submitted / not submitted**
a) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than **Rs 51.80 Lakhs.**	

For Annual financial turnover enclose the audited Annual Reports or balance sheet certified by a chartered accountant.

2.0 Vendors having OIL's User ID & password shall purchase bid documents on-line through OIL's electronic Payment Gateway.

Vendors who do not have OIL's User ID & password shall obtain User ID & password through online vendor registration system in e-portal and can subsequently purchase bid documents through OIL's electronic Payment Gateway.

Alternatively application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in favour of M/s Oil India Limited and payable at Duliajan is to be sent to Head-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto 08.09.2015 (or as amended in e-portal). The envelope containing the application for participation should clearly indicate "REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO …" for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL's e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site www.oil-india.com.

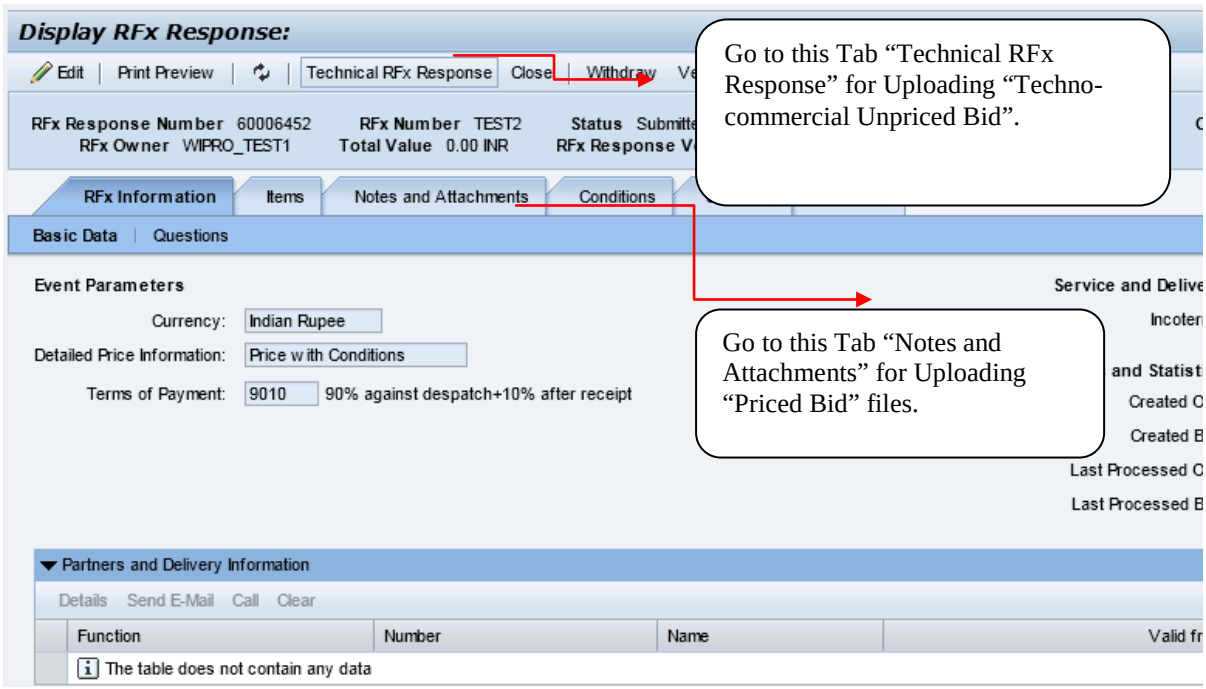
NOTE:
PSUs and MSE units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.

3.0 The tender is invited 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.

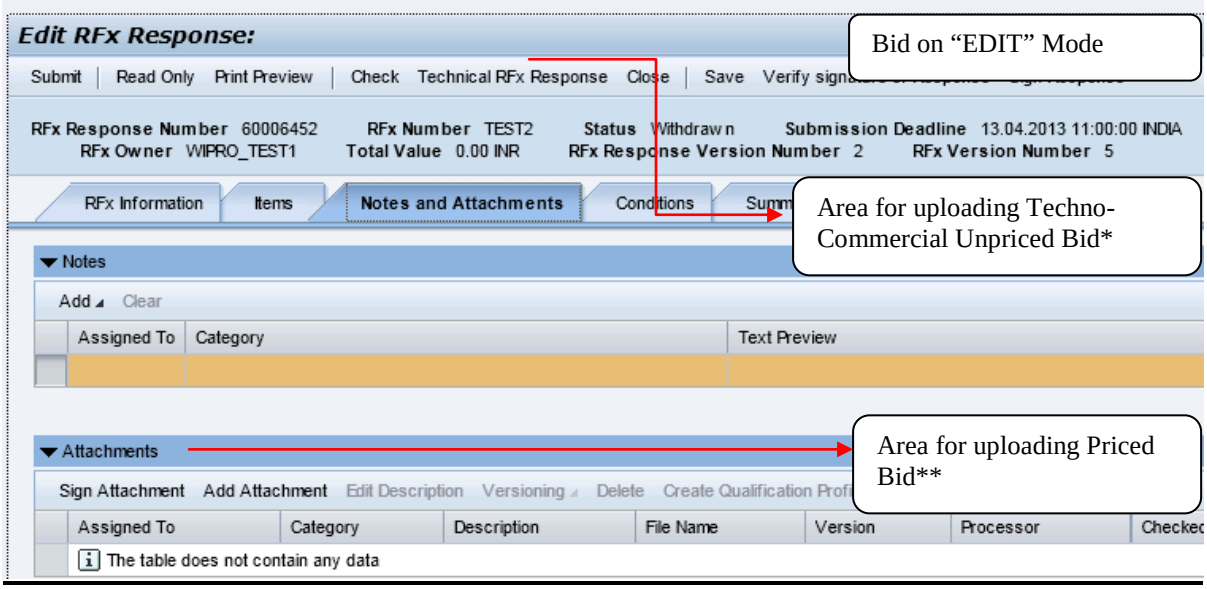
3.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only**.** The "**TECHNO-COMMERCIAL UNPRICED BID**" shall contain all techno-commercial details **except the prices**. **Please note that no price details should be uploaded in** Technical RFx Response**.**

3.2 The "**PRICE BID**" must contain the price schedule and the bidder's commercial terms and conditions.**The prices of the items should be quoted in "Conditions Tab". Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under "Notes & Attachments".**

3.3 A screen shot in this regard is given below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in Annexure-CCC.



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:



Note :

* The "Techno-Commercial Unpriced Bid" shall contain all techno-commercial details **except the prices**.

** The "Price bid" must contain the price schedule and the bidder's commercial terms and conditions. For uploading Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on Sign to sign the Sign. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Atachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and clock on OK to save the File.

4.0 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 **Head Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

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

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

5.0 Benefits to Micro & Small Enterprises (MSEs) as per prevailing Govt guidelines as applicable on B.C date shall be given. MSEs who are interested in availing the benefits will upload with their offer proof of their being MSE registered for the item tendered. The MSE are also required to upload scanned copies of relevant documents indicating details of registration alongwith validity, name of the registering organization and details of the item, ownership etc,. failing which, their offer may not be liable for consideration of benefits to MSEs.

6.0 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.

7.0 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.

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

9.0 **SINGLE STAGE TWO BID SYSTEM** shall be followed for this tender and only the PRICED-BIDS of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.

10.0 **a) The Integrity Pact is applicable against this tender. Therefore, please submit the Integrity Pact document duly signed along with your quotation as per BRC. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be submitted by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway".**

b) The name of the OIL's Independent External Monitors at present are as under:

SHRI RAJIV MATHUR, IPS (Retd.)
Former Director, IB, Govt. of India,
e-Mail ID : rajivmathur23@gmail.com

11.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per **Annexure-CCC**) contradict the Clauses of the tender and / or "General Terms & Conditions" as per Booklet No. MM/LOCAL/E-01/2005 for E-procurement (LCB Tenders) elsewhere, those in the BEC / BRC shall prevail.

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

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

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

NOTE:

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

Yours Faithfully

Sd-
(R BARMAN)
SR MANAGER MATERIALS (IP)
FOR : HEAD-MATERIALS

Annexure - CCC

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

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

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

Criteria	**Complied / Not Complied. (Remarks if any)**
1.0 BID REJECTION CRITERIA (BRC): The bid shall conform generally to the terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected. **A) TECHNICAL:** The bids must conform to the specifications and terms and conditions given in the enquiry. Bid shall be rejected or will be considered as non-responsive in case the items(s) offered do not conform to the following requirement. i) The offered engine should be water cooled vertical in-line, four stroke, diesel engine having in line fuel pump, governing class-A1, which is capable of developing sufficient horsepower to drive the alternator(62.5 KVA / 63 KVA)when running at 1500 rpm. ii) The engine should be suitable for continuous duty & capable of developing 10% in excess of its rated output at its rated speed for a period of 1 hour in any period of 12 hours continuous running without undue heating or any other mechanical trouble. The engine should be anti clockwise while looking from the flywheel end and should conform to IS: 10,000 /ISO: 3046/BS 5514/ DIN 6271/ ISO: 8528 or latest. iii) The offered Diesel Generating Set should conform to the emission and noise norms as per latest MOEF/CPCB-II guidelines for DG sets capacity up to 1000 KVA.	

iv) Bidder should have the experience of supplying and successfully commissioning 1(one) number of 62.5 KVA/ 63 KVA capacity DG set with acoustic enclosure to any reputed Govt. organization, PSU's, Central Govt. or Public Limited company undertaking, in last three years preceding from the bid closing date of tender. Documentary evidence in the form of order copies and proof of supplies (performance certificates/ invoice/ commissioning report) should be submitted along with the offer.

v) The bidder should be an OEM or authorized dealer of OEM for engine, alternator or assembler for Generating sets authorized by OEM. Documentary evidence should be submitted along with the offer.

vi) The bidder must have the credential of successfully executing similar order for a minimum of Rs 15,53,900.10 (Rs Fifteen Lakhs Fifty three thousand Nine hundred & ten paisa) worth of single order, to any reputed Govt. Organization, PSU's, Central Govt. or Public Limited Company undertaking during the last 3 years preceding from the bid closing date of tender. Documentary evidence in the form of order copies and proof of supplies (Performance certificates/ invoice/commissioning report) should be submitted along with the offer.

B) COMMERCIAL:

i). Validity of the bid shall be minimum 120 days from the Bid Closing Date.

ii). Bid security:

The bid must be accompanied by Bid Security of **Rs 51,800.00** in OIL's prescribed format as Bank Guarantee or a Bank Draft/Cashier cheque in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 10 months from Bid closing date. (i.e. upto 28.11.2016).**

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

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

For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

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

In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

iii). Bids are invited under "Single Stage Two Bid System". Bidders have to submit both the "Techno-commercial Unpriced Bids" and "Priced Bids" through electronic form in the OIL's e-Tender portal within the bid Closing date and time stipulated in the e-tender. The Techno-commercial Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. Any offer not complying with the above shall be rejected straightway.

iv). Performance Security:

a) The successful Bidder will have to provide Performance Security @ 10% of total cost of Equipment. The Performance Security must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier.

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

For exemption for submission of Performance Security, please refer Clause No. 9.12 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

v). *The Bank Guarantee should be allowed to be encashed at all branches within India.*

vi). 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.

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

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

ix). 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.

x). Price should be maintained in the "online price schedule" only. The price submitted other than the "online price schedule" shall not be considered.

xi). Integrity Pact :

OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be submitted by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway".

xii). A bid shall be rejected straightway if it does not conform to any one of the following clauses:
(a) Validity of bid shorter than the validity indicated in the Tender.
(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.
(d) In case the Party refuses to sign Integrity Pact.
(e) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.

2.0 BID EVALUATION CRITERIA (BEC)

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

A) TECHNICAL:

(i) Offers which meet the BRC requirement clauses as above shall be evaluated only.

(ii) Lowest (L1) bidder will be awarded the contract. In case of identical lowest offered rates by more than 1(one) bidder, the selection will be made by draw of lot among the bidders offering the identical lowest rates. **B) COMMERCIAL:** i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer. ii) Priced bids of only those bidders will be opened whose offers are found technically acceptable. The technically acceptable bidders will be informed before opening of the "priced bid". iii). To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.	

NOTE:

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

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ANNEXURE-IA

TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI9589P16 DT: 12.12.2015

	Complied / Not Complied. (Remarks if any)
ITEMNO. 10 **PROCUREMENT OF DIESEL ENGINE DRIVEN GENERATING SET CAPABLE OF DEVELOPING 62.5 KVA / 63 KVA WITH ACOUSTIC ENCLOSURE & MOUNTED ON AN OIL FIELD SKID – QTY = 04 NOS** Water cooled D.G. Set capable of developing 62.5 KVA / 63 KVA at 3 phase, 0.8 power factor, 415 volt, 50 Hz and running at 1500 rpm under NTP conditions conforming to IS: 10,000/ ISO 3046/ISO 8528/DIN 6271/BS 5514 or latest. The generating set should have acoustic enclosure & mounted on an oil field skid. Each genset will consist of items as per specifications given below: 1.0 DIESEL ENGINE: Water cooled, Vertical in-line, four stroke, diesel engine having in line fuel pump, governing class-A1 capable of developing sufficient horsepower to drive the alternator when running at 1500 rpm under standard reference conditions of atmospheric temperature of 27 degree Celsius, altitude not exceeding 150 meter above mean sea level, relative humidity 60% at 27 degree Celsius. The engine should be suitable for continuous duty & capable of developing 10% in excess of its rated output at its rated speed for a period of 1 hour in any period of 12 hours continuous running without undue heating or any other mechanical trouble (Equivalent to Prime Power in accordance with ISO: 8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514). The engine should be anti clockwise while looking from the flywheel end and should conform to IS: 10,000 /ISO: 3046/BS 5514 or latest. The engine should comprise the following standard accessories such as: 1.01 Flywheel 1.02 Fuel and lubricating oil filter 1.03 Heavy duty air intake filters. 1.04 Lubricating oil pressure gauge 1.05 Tachometer 1.06 Standard set of spares as per Para 7 (e) of NIT 1.07 12 volt of electric starting equipment (preferably LUCAS TVS make) fitted to the engine and comprising of starter, charging alternator and starting ring gear fitted to the flywheel. 1.08 Heavy Duty Radiator. 1.09 Fuel tank (inbuilt i.e. integrated fuel tank) of capacity to run the genset for continuous 24 hours. Diesel filling from outside with theft proof arrangement. 1.10 Guard for all moving parts of the engine such as W/pump belt, charging alternator belt, radiator fan etc. 1.11. Residential type Exhaust silencer with spark arrestor (muffler) to be provided inside the	

canopy but in a separate chamber.
1.12 The Engine instrument panel shall comprise of atleast a) starting switch and key, b) indication of battery charging, c) water temperature and d) lube oil pressure.
1.13. Any items/points not included in the specifications but necessary for operation shall be stated by the bidder.
1.14. Engine safety controls (High water temp, low lube oil pressure and over speed)

Fire extinguisher to be provided inside the canopy. The instrument panel with all gauges to be mounted on engine and should be visible from outside. All parameters of both the engines and alternators (like output current, voltage, coolant temp, lube oil pressure, rpm etc) need to be digitally displayed in a multifunction panel and the panel should be visible from outside through a robust constructed window.

Bidder has to justify the selection of particular engine along with the H.P

Special Notes (Engine):

Bidder must provide along with the offer necessary certificate indicating compliance of emission and noise norms as per latest MOEF/CPCB-II guidelines for DG sets capacity upto 1000kVA. The engine model offered must have valid "Certificate of Type Approval" and "Certificate of Conformity of Production". Documentary evidence for the same should be provided along with the offer

2.0 ELECTRICAL:

Brushless type alternator of 62.5 KVA / 63 KVA rating when coupled to water cooled engine will develop 62.5 KVA / 63 KVA at 3 phase, 0.8 power factor, 415 Volt when running at rated rpm under NTP conditions.

The alternator should be any of the following makes:
Kirloskar, Crompton Greaves, AVK-SEGC, Stamford.

A. TECHNICAL SPECIFICATIONS OF ALTERNATOR:

1. Rated Output: 62.5 KVA / 63 KVA continuous rating at 0.8 PF at specified ambient conditions (Motor Loads)
2. Rated Voltage : 415 Volts
3. Phase : 3, (4 wire) i.e. neutral point has to be brought out to terminal box
4. Type : Brush less
5. Frequency rated / cycle : 50 Hz
6. Rated power factor : 0.8 lagging
7. Class of insulation : Class F/H
8. Phase sequence : UVW
9 Conform to IS:4722, 13364 part 2 with latest amendments.
10. Rating : Continuous suitable for Motor loads.
11. Connection : Y (Star)
12. Ambient : 45 ºC max, RH 98%
13. Alternator Enclosure Protection: IP 23
14. Alternator Terminal Box Protection: IP 54
15. Amplitude of vibration : Should be as per IS-12075:2008.
16. Excitation system : Brush less, self excited and self Regulated with solid state

AVR(mounted separately on the control panel)
17. Mounting : Foot mounted
18. Permissible voltage variation: +/-5 % at rated speed, load and power factor
19. Permissible frequency variation: +/- 3 % at rated load and power factor
20. Frame size : Bidder to confirm
21. Motor starting ability : 200 % of FLC for 10 sec with max. voltage dip of 20%.
22. Unbalanced current carrying capacity: 20 % of FLC
23. Short circuit current withstand capacity: 4 to 5 times FLC for 5 sec.
24. 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.

25. Voltage swing (Transient response) when rated load is suddenly switched on should be maximum 10 % with 0.2 to 0.7 sec (Recovery time).

26. The alternator should be capable of sustaining a 10 % over load for one hour in any 12 hours operation.

27. When the speed of engine is 1.2 times for two minutes, the alternator should be capable of withstanding it without any damage.

28. The alternator should be capable of continuous operation over a range of 110 % of rated voltage.

29. Automatic voltage regulation ± 0.5 % to ± 1.0 % from no load to full load.

30. Total harmonic distortion factor should be less than 3 % between phases at no load.

31. 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.

32. The alternator terminal box should be suitable and should have sufficient space for terminating one no 4 core X 25 sq.mm, 1100V grade PVC insulated 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 as AVR shall be mounted in the control panel.
33. 2 nos. of earth studs are to be provided on both sides of the alternator.
34. Lifting hooks are to be provided for lifting the alternator.
35. Automatic voltage regulator should be mounted in the control panel with rubber bushes under AVR mounting holes to reduce vibration. AVR should have under speed, over excitation protection features with LED display.
36. 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.
37. Bidder to mention efficiency of the alternator at 25%,50%,80% load at 0.8 pf.
38. Alternator frame should be made from MS or Cast steel (indicative).
Note: All IS mentioned above should be the latest edition.

B. SPECIFICATION OF CONTROL PANEL:

Sheet steel clad, self supporting, floor mounting, cubicle type, dust and vermin proof generating set control panel made of 3 mm 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 seven tanks anti corrosion treatment and then powder coated. Panel should be supported on frame of 3.15mm thick sheet metal so that bottom cable entry plate of panel is 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.

The detail description of the panel is as described below:

1. AVR of the alternator shall be mounted inside the control panel with vibration proof supports.

2. INSTRUMENTS AND SWITCHES: (Mounted on front hinged door)

i) 1 No. M.C. Voltmeter, 1.0% accuracy, 96 sq. mm , 0 # 500 V (AEL/L&T make or equivalent)
ii) 1 No. Voltmeter selector switch (Kaycee/ Salzer / L&T make or equivalent)
iii)1 No. M.C Ammeter, 1.0% accuracy, 96 sq. mm, 0-75 Amps, C.T. operated (AEL/L&T make or equivalent)
iv) 1 No. Ammeter selector switch (Kaycee/ Salzer / L&T make or equivalent)
v) 1 No. Digital frequency meter , 48 X 96 mm , scaled 0-100 Hz , suitable for 240 V AC operation, with a single pole ON / OFF switch (AEL/ Rishab Instruments make or equivalent)
vi) 1 No. MC KW meter , Dynamometer type, 3 ph, 3 element , 96 sq.mm , 1.0% accuracy 0 # 50 KW (AEL/L&T make or equivalent)
vii) 1 KWH meter integrating, electronic type suitable for balanced and unbalanced loads, C.T. operated, 3 ph, 4 wire. (Alsthom/L&T make or equivalent)
viii)1 No. Hour meter to indicate engine run hours (AEL / L&T make or equivalent)
ix) The control panel should have following indication lamps mounted on panel front door:
a) Trip on earth fault.
b) Set running
All lamps shall be of LED type, 240v AC having long life and low energy consumption. Make: Binay, Schneider, Seimens, L&T, Havells,

3. 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- hygroscope 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) 1No. 125 Amps TP & N (Neutral bus to have removable link with bolt) CFS unit, fitted with 63 Amps HRC fuse, type : CMM (GEPC make or equivalent.)

iii) 1 No. 150 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 1.5% to 5%. MCCB should be load reversible type. Make: Legrand/ Merlin-Gerin/ L&T/ Indoasian/ Siemens or equivalent.
MCCB should trip on the following faults

a) Earth leakage from external source.
b) Over load & short circuit.

iv) 1No. 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. Similar to Cat No. (26092+ 26091) of Legrand. (Make GEPC /Legrand/ Merlin Gerin or equivalent).

v) 6 nos. of Bar Primary Resin cast CT of suitable ratio, 15 VA , class-1 conforming to IS 2705 (3 nos. for ammeter and KW meter , 3 nos. for KWH meter (AEL / Kappa make or equivalent)

vi) Auxiliary Relay / Contactor 240 AC with some spare contacts. Quantity should be as per the control circuit requirement. (L&T /Siemens/ Schnieder make or equivalent)

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 or equivalent).

viii) Terminal strips for terminating the AVR cable from Alternator.

C. WIRING SCHEME:

i) 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 conforming to relevent BIS. 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 as per BIS & have ring type lugs. Colour code for wires shall be followed. Make: Finolex/ Havells.

ii) Output from the Alternator terminal box should be connected to control panel input with heavy duty 4X 25 sq.mm, 1100v grade, PVC insulated, stranded copper cable as per IS-1554. Cable to be supplied & connected by the bidder using copper lugs. Make: NICCO, CCI, Finolex, Havells.

iii) AVR shall also be wired from alternator terminal box to control panel by the party using heavy duty PVC insulated, 1100 v grade, stranded, copper cable of suitable size as per IS 1554. Cable to be supplied and connected by the bidder using copper lugs.
Make: NICCO, CCI, Finolex, Havells.

iv) 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. All cable glands to be supplied by the party. Make: Baliga/ GMI/Dowells.

v) All power and control cable terminal ends will have suitable heavy duty crimping lugs. All lugs supplied by the party. Make: Dowells or equivalent.

vi) Alternator to panel power cable, AVR cable shall be protected inside a conduit pipe in their run from unit to control panel to avoid any damage.

vii) Suitable provision shall be made for safe routing of output cable from panel to outside of the unit.

D. ENCLOSURE ILLUMINATION AND POWER OUTLET:

Enclosure will have two nos. of suitable type of screw cap CFL lamp luminaries mounted on enclosure wall and wired with heavy duty PVC insulated, stranded copper cable as relevent IS inside a suitable conduit pipe. 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 or equivalent for luminaire & Legrand, Merlin-Gerin or equivalent for MCB/ Metallic plug socket.

E. 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 earth strap at two independent points. Suitable provision is required in the panel base plate for safe entry of neutral earth cable. Heavy duty PVC insulated, flexible, single core, copper cables of 25 sqmm size as per relevant IS 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: Finolex/ Havells for cable.

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 copper tubular lugs. Suitable opening shall be provided in the rear side of the unit to facilitate the entry of outgoing power cable and earth leads.

NOTES (Alternator and Control Panel):

i) The bidder shall submit all indicative power and control wiring diagram for offered alternator.
ii) Offered alternator should be of proven design / model.
iii) 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
iv) Alternator and control panel are to be guaranteed for period of 12 months from the date of commissioning against any manufacturing defects.
v) Guaranty Certificate shall be submitted at the time of delivery of alternator and control panel.
vi) Test certificate of alternators shall be furnished at the time of delivery of alternator.
vii) 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.
viii) Packing should be adequate to avoid transit damage.
ix) Six sets of control circuit diagram of control panel and commissioning cum maintenance manual for alternator should be provided with soft copy along with the material.
x) Any items/ points not included in the specifications but necessary for efficient control and operation of the alternator shall be stated by the bidder.

F. CHANGE OVER SWITCH PANEL (COSP)

One no change over switch panel should be placed outside the acoustic enclosures and mounted rigidly on a separate frame which should be fixed on the oil field skid. The switching panel will comprise of:

a) On load change over switch: 1 no.
415 Volts, 200 Amps, 3 phase (with neutral), 4 pole
Make: GEPC / L & T / Crompton Greaves / Siemens or equivalent
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 or equivalent.
c) One no suitable CFL lamp with MCB
d) All terminals are to be marked properly.
e) Mimic diagram on front facia of COSP with clear marking of incomer 1, incomer 2 & load connections.

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-55. It should be fabricated from 3 mm 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, stranded copper cables for incoming and outgoing. 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 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 stranded copper cable as per 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.

Panel Painting:

Both control panel & 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.

Suitable electrical connection with 4 core x 35 mm 2 PVC insulated copper cable between control panels of gensets to incomer (main) fuse switch unit of COSP 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.

3.0 SKID AND COUPLING:

Each engine & alternator set should be in coupled condition and mounted on common base frame skid fitted with special vibration isolators for making the DG set vibration free.
The common base frame skid for the D.G set should be mounted on a 2 runner Oil Field type skid fabricated out of ISMB200 reinforced with suitable cross members. Both ends of the skid should have 600mm extended portion beyond the acoustic enclosure and it should be covered by 10mm chequered plate. The ends of the skid should be projected out by 300mm and curved upwards. 150 NB X 80 SCH pipe with provision for lifting should reinforce the end of skid for tail boarding.
Individual acoustically enclosed generating set with one change over switch should be mounted on individual OIL FIELD TYPE SKID (i.e. Oil field type skid means a steel frame on which portable equipment is mounted to facilitate handling with Oil field trucks, cranes or flatbed trucks. The skid is robust, is usually designed with attachment points for hooks, chains, or cables, and has at least two lengthwise beams to facilitate sliding the equipment into place on the Oil drilling site.). Skid should have two studs for earthing, one in each end of the skid.

Layout drawing (i.e. GA drawing) of canopy showing engine, alternator, control panel, change over switch, fuel tank etc and drawing of OIL Field Type Skid should be forwarded along with the offer.

4.0 ACOUSTIC ENCLOSURE:

The Genset (Engine, alternator, control panel, fuel tank and other auxiliaries) should be placed in a common acoustic enclosure. The arrangement should be made such that the operators & maintenance crew can enter and move inside the hut for normal inspection of the generating set.

Provision should also be there to take the generating set outside in case of failure. The hut should be completed with internal wiring and light fitting for illumination. Heavy duty PVC insulated and PVC sheathed armored, stranded copper cable shall be used for wiring. Suitable MCB should be used in the internal wiring.

The generating set should be placed in common acoustic enclosure. The acoustic enclosure should be modular type. This should be easy assembling /dismantling & not fixed type. It should have following features

a. locking arrangement
b. Lifting arrangement
c. Draining arrangement for fuel and lube oil.
d. Air breather.
e. Hood for rain protection
f. Emergency stop button
g. Panel meter viewing window
h. Powder coated walls

i). Suitable Fire extinguisher to be provided inside the canopy:

Specification of Fire extinguisher:

i) Marking: IS: 15683
ii) Type: Cartridge Type
iii) Fire Rating: 9.0 Kgs Capacity: 34B
iv) Classification: Class B & Class C
v) Dry Chemical Powder Potassium bi-carbonate (min 90% of total composition of the chemicals) based ISI marked Dry Chemical Powder confirming to IS: 4308 (latest revision)
vi) Fire extinguisher may be preferably of Kannex /Safex /Supremex Brand."
j). The exhaust piping inside the acoustic enclosure shall be lagged

Specification of the acoustic enclosure:-

a) The enclosure shall be fabricated out of not less than 2mm thick on the outside cover and not less than 1 mm thick perforated power coated sheet.
b) Insulating material shall be high quality noise absorbent and fire retardant complying IS8183 specification for better sound attenuation.
c) The hinged doors shall me made out of not less than 2 mm thick CRCA sheet and will be made air tight with neoprene rubber gasket and heavy duty locks. The hinges, door handles and bolts and nuts shall be of stainless steel.
d) The enclosure should be powder coated.
e) The canopy shall have adequate ventilation to meet the air requirement for running the engine at rated load at site conditions and to expel the heat to maintain temperature rise not to be more than 7°C inside the canopy.
f) There should be provision of draining of lube oil and coolant and filling of coolant.
g) The enclosure shall be provided with suitable number of hinged doors along the length of the enclosure on each side for easy access inside the enclosure for inspection, maintenance and operation.
h) The enclosure shall have fuel filling point.
j) The enclosure shall be of modular construction.

k) The enclosure shall be designed for easy access to the radiator for maintenance.
l) The Inside of the enclosure shall be provided with minimum 2(two) no 15 watt CFL Flameproof Well glass fitted luminaire for illumination with necessary wirings and ISI marked accessories.
m) The enclosure should be type tested.
Bidder must provide along with the offer necessary certificate indicating compliance of noise norms as per latest MOEF/CPCB-II (Under environment protection act 1986) guidelines for DG sets capacity up to 1000kVA. Bidder has to provide type test certificate at the time of inspection.

The complete arrangement drawing of the gensets, with acoustic enclosure should be forwarded to OIL for approval once order is placed.

Bidders should provide detail drawing of above mentioned skid & enclosure for technical scrutiny.

5.0 PRE-REQUISITES FOR BIDDER:

a) The bidder should be an OEM or authorized dealer of OEM for engine, alternator or reputed assembler authorized by OEM for Generating sets.

b) If the bidder is an OEM of engine/alternator or authorized dealer of engine/alternator, he must purchase the other items from OEM or authorized dealer of the other items. In that case bidder must provide the documentary evidence from the OEM or authorized dealer of other items from whom the purchase would be made along with the supply.

c) If the bidder is an assembler of gensets, he must purchase all equipment from OEMs or authorized dealers. In that case the assembler must provide the documentary evidence from the OEMs or authorized dealers of equipment from whom the purchase would be made along with the supply.

e) The bidder must give assurance that after sales service in respect of engine, alternator and other equipment will be provided by their respective OEM or authorized dealers, stationed within 80 km from Duliajan, ASSAM.

f) The bidder must undertake and confirm from OEMs that the equipment to be supplied are not going to be obsolete for next 10 years and provision for supplying spares of the equipment to be continued.

6.0 OPERATING CONDITIONS AT SITE:

The engine / alternator should be suitable for operation at the following site conditions :
Engine room temperature (max.) : 45 ºC
Engine room temperature (min.) : 5 ºC
Max. relative humidity at 21 0C : 98 %
Max. relative humidity at 35 0C : 95 %
Max. relative humidity at 41 0C : 70 %
Altitude : 130 metres

Average annual rainfall : 343 centimetres

7.0 SPARE PARTS: **(Cost of the spares should be included in main item. However, breakup of the spares as mentioned below should be provided as notes and attatchment in Price Schedule.)**

a) Spare Parts list for two years normal operation of the generating set in addition to commissioning spare parts shall be provided along with the offer for each set running for 2000 Hrs annualy. Item-wise price breakdown of spare parts should also be provided in tabular form showing spare parts requirement for Each set and Total requirement for all set. Cost of these spare parts will be considered for commercial evaluation of the offer. However OIL will decide on procurement of those spare parts.

b) The bidder shall categorically confirm the availability of spares parts for minimum 10 years from the date of delivery of the genset unit.

c) Spare parts list with prices for alternator, control panel and COS panel, light fittings etc. shall be submitted separately.

d) The bidder has to supply the following mandatory minimum electrical spares along with each gen set [Bidder may include additional items, if deemed necessary]:

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.
v) MCCB 150 Amps, 4 pole, 25 KA breaking capacity with same specification as on 3. (iii) – 01 no.

e) The bidder has to provide the mandatory spares required for operation of the generator set for 2 (two) years (e.g. Fuel filter, Lube oil filter, Air filter, various hoses, Coolant for each engine etc) including one spare GCU (Gen-set Control Unit/ Genset Safety Unit) for each gen-set. The average running hours of each generator is 2000 hrs per year (approx.). Bidder may include additional items, if deemed necessary .The bidder has to provide the maintenance schedule of the engine as per the manufacturer of the engine. Documentary evidence should be provided. The prices of these items will be considered for evaluation.However, OIL reserves the right to procure or not to procure such spare parts.

f) The bidder has to supply one set of all the sensors. The prices of these items will be considered for evaluation.

7.1 GEN-SET INSTRUMENTATION:

Bidder must comply to the following points in connection with the instrumentation / electronic parts / system / components fitted with the engine / alternator / panel etc:

a). Details of Electronics & Engine Safety Control system along with the offer.

b). To provide details of manuals, terminal drawings etc. for engine safety control system along

with the supply.

c). In case of 3rd party product, address of OEM / authorized dealers should be provided for procurement of spares in future.

d). To provide trouble shooting manual / guide for fault rectification in instrument panel along with the supply.

8.0 PARTS LIST, INSTRUCTION MANUAL & DRAWINGS:

a) Supplier shall provide set of spare parts list, operator's instruction manual and workshop maintenance manual covering all the items along with each generating set.

b) Supplier shall provide one set of Technical Literature of Engine, GA 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 shall be provided with each generating set. Supplier shall provide all approved electrical drawings along with final drawings implemented during installation and commissioning.

c) Supplier shall provide a list of recommended spare parts for two years normal operation along with the materials.

9.0 INSPECTION AND TESTS:

a) The plant and materials may be subjected for inspection during manufacture at OIL's discretion but such inspection shall not relieve the supplier of his responsibility to ensure that the equipment supplied is free from all manufacturing and other defects and conforms to correct specifications. Supplier will be notified in advance, if it is intended to inspect plant or materials.

b) Pre-dispatch inspection of all the sets shall be carried out by OIL's representative at the works of manufacturer. Full load testing of the generator sets for output and performance shall be carried out in presence of OIL's representatives to their satisfaction. Supplier/ manufacturer shall accordingly arrange for inspection and intimate OIL well in advance.

c) Dispatch clearance will not be given unless OIL is fully satisfied as regards manufacturing to order specifications and successful testing.

10.0 INSTALLATION & COMMISSIONING

The bidder shall install and commission the generating set at Oil's Operational area in Assam, India

11.0 TEST CERTIFICATES:

Detailed records and certificates of the foregoing tests should be submitted to us. The certificates / records shall be supplied in quadruplicate and those for electrical equipment shall be endorsed- "suitable for use in the climatic conditions specified".

12.0 PACKING: The packing shall be sufficiently robust to withstand rough handling/ transit damage. Boxes/ packing cases containing electrical equipment shall be water # proof lined. Control panels in particular should be packed with sufficient care (with shock/ vibration proof lining) to prevent transit damage. Loose components shall be packed separately. 13.0 PERFORMANCE GUARANTEE: 10% of the ordered value shall be given as performance guarantee in the form of bank guarantee for a period of 12 months after commissioning or 18 months from the date of dispatch. The bank guarantee will be released after successful completion of guarantee period. 14.0 Any items/ points not included in the specifications but necessary for efficient control and operation of the alternator shall be stated by the bidder.	
ITEM NO. 20 **INSTALLATION & COMMISSIONING – 1 AU**	

NOTE:

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

TENDER NO. **SDI9589P16 DT: 12.12.2015**

ANNEXURE: III

TECHNICAL CHECK LIST:

The following check list must be completed and returned with the offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please tick mark Yes or No. to the following question, in the right hand column

1. WHETHER QUOTED AS OEM OF ENGINE AND WHETHER DOCUMENTARY EVIDENCES SUBMITTED? -YES/NO

2. WHETHER QUOTED AS OEM OF ALTERNATOR AND WHETHER DOCUMENTARY EVIDENCES SUBMITTED? -YES/NO

3. WHETHER QUOTED AS AUTHORISED DEALER OF OEM (ENGINE/ ALTERNATOR) AND WHETHER DOCUMENTARY EVIDENCES SUBMITTED? -YES/NO

4. WHETHER QUOTED AS OEM APPROVED ASSEMBLER?-YES/NO

5. WHETHER SEPARATELY HIGHLIGHTED ANY DEVIATION FROM THE TECHNICAL SPCIFICATION? -YES/NO

6. WHETHER DETAILED SPECIFICATIONS OF ENGINE, ALTERNATOR WITH MANUFACTURER'S TECHNICAL LITERATURE / CATALOGUE ENCLOSED WITH THE OFFER? -YES/NO

7. WHETHER TYPE APPROVAL AND CONFORMITY OF PRODUCTION TESTS CERTIFICATE OF ENGINE PROVIDED ALONG WITH THE OFFER? -YES/NO

8. WHETHER TEST CERTIFICATE OF ALTERNATOR & CONTROL PANEL WILL BE SUBMITED ALONG WITH THE SUPPLY? -YES/NO

9. WHETHER SPARE PARTS FOR 10 YEARS SHALL BE AVAILABLE?-YES/NO

10. WHETHER INDICATIVE POWER AND WIRING DIAGRAM OF ALTERNATOR, CONTROL PANEL SUBMITTED? -YES/NO

11. WHETHER GENERAL ASSEMBLY DRAWING OF CONTROL PANEL SUBMITTED? -YES/NO

12. WHETHER CONFIRMED CONTROL PANEL DRAWING SHALL BE APPROVED BY OIL BEFORE MANUFACTURING IN THE EVENT OF PLACEMENT OF ORDER? -YES/NO

13. WHETHER OFFERED ENGINE IS RATED FOR CONTINUOUS DUTY?
-YES/ NO

14. WHETHER THE ENGINE IS WATER COOLED, VERTICAL IN-LINE FOUR STROKE, DIESEL ENGINE HAVING IN LINE FUEL PUMP AND GOVERNOR CLASS -A1? -YES/NO

15. WHETHER THE OFFERED ENGINE CONFROM EITHER TO IS: 10,000/ ISO 3046/ISO 8528/DIN 6271/BS 5514 OR LATER SPECIFICATION? -YES/NO

16. WHETHER THE ENGINE IS OF REPUTED MAKE MANUFACTURED IN INDIA? -YES/NO

17. WHETHER THE OFFERED DIESEL GENERATING SET CONFORM TO THE EMISSION AND NOISE NORMS AS PER LATEST MOEF/CPCB-II GUIDELINES FOR DG SETS CAPACITY UPTO 1000KVA? -YES/NO

18. WHETHER THE BIDDER HAVE THE CREDENTIAL OF SUCCESSFULLY EXECUTING SIMILAR ORDER FOR A MINIMUM OF RS 15,53,900.10 (RUPEES FIFTEEN LAKHS FIFTY THREE THOUSAND NINE HUNDRED & TEN PAISA WORTH OF SINGLE ORDER, TO ANY REPUTED GOVT. ORGANIZATION, PSU'S, CENTRAL GOVT. OR PUBLIC LIMITED COMPANY UNDERTAKING DURING THE LAST 3 YEARS PRECEDING FROM THE BID CLOSING DATE OF TENDER ? -YES/NO

19. WHETHER THE BIDDER CONFIRMS THAT THE MANDATORY SPARES FOR BOTH ENGINE AND ALTERNATOR WILL BE SUPPLIRD ALONG WITH THE ITEM? -YES/NO

20. WHETHER THE BIDDER HAS PROVIDED INDIVIDUAL PRICE FOR EACH SPARE PART? - YES/NO

21.WHETHER GENERAL ASSEMBLY DRAWING OF GENERATING SET SUBMITTED? - YES/NO

22 . WHETHER THE BIDDER HAVE SUBMITTED TECHNICAL CHECK LIST ALONG WITH THEIR OFFER? -YES/NO

Annexure- DDD

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(Name of the bidder).....hereinafter referred to as "The Bidder/Contractor"

Preamble :

The Principal intends to award, under laid down organizational procedures, contract/s for Tender No. **SDI9589P16.** The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organisation "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.

2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.

3. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a Page 2 of 6 substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which h e/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.

3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or risibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

1. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

Section 4 - Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to 3 % of the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.

2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 - Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/Contractor/Subcontractors

1. The Bidder/Contractor undertakes to demand form all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

2. The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.

3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 - Criminal charges against violating Bidders/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - External Independent Monitor/Monitors (three in number depending on the size of the contract) (to be decided by the Chairperson of the Principal)

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.

3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.

4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

7. If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed

against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8. The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section 10 - Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.

2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

R BARMAN
SR MANAGER MATERIALS (IP) ----------

For the Principal For the Bidder/Contractor

Place. Duliajan. Witness 1 : .....

Date 13.12.2015 . Witness 2 : .....

Technical Bid Checklist **Annexure-EEE**

Tender No.	
Bidder's Name :	

		Compliance by Bidder	
SL. NO.	**BEC / TENDER REQUIREMENTS**	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	**Bidder to confirm that he has not taken any exception/deviations to the bid document .**		
2	**Confirm that the product offered strictly conform to the technical specifications.**		
3	**Confirm that the Offer has been made with Bid Bond / Bank Guarantee / Earnest Money along with the offer (Wherever Applicable) ?**		
4	**Confirm unconditional validity of the bid for 120 days from the date of opening of techno-commercial bid.**		
5	**Confirm that the prices offered are firm and / or without any qualifications?**		
6	**Confirm that all relevant fields in the on-line bidding format have been filled in by the bidder for the items quoted by them.**		
7	**Confirm that the the price bid is in conformity with OIL's online bidding format ?**		
8	**Confirm that the Bid comply with all the terms & conditions ?**		
9	**Confirm that the offers and all attached documents are digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) as per Indian IT Act 2000.**		
10	**CONFIRM THAT YOU HAVE SUBMITTED THE DULY SIGNED INTEGRITY PACT DOCUMENT (Wherever Applicable)**		
11	**CONFIRM THAT YOU SHALL SUBMIT PERFORMANCE BANK GUARANTEE AS PER NIT IN THE EVENT OF PLACEMENT OF ORDER ON YOU (Wherever Applicable)**		
12	**CONFIRM THAT YOU HAVE SUBMITTED DOCUMENTS AS PER GENERAL QUALIFICATION CRITERIA**		
13	**Confirm that you have submitted Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager where Bid security has been submitted as Bank Guarantee.**		

NOTE: Please fill up the greyed cells only.

Response Sheet **Annexure-FFF**

Tender No.	
Bidders Name	

Bidders Response Sheet

Sl No.	Description	Remarks
1	Name of Bidder	
2	Whether tender document purchased from OIL's offices.	
3	Place of Despatch	
4	Whether Freight charges have been included in your quoted prices	
5	Whether Insurance charges have been included in your quoted prices	
6	Make of quoted Product	
7	Offered Validity of Bid as per NIT	
8	Delivery Period in weeks from placement of order	
9	Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.	
10	Bid Security Submitted (if applicable)	
11	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
12	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	
13	Bid Security if Not submitted reasons thereof	
14	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
15	Integrity Pact Submitted (if applicable)	
16	Whether submitted documents in support of General Qualification criteria of NIT	
17	If bidder is Small scale unit whether you have quoted your own product	
18	If bidder is Small scale unit whether you are eligible for purchase preference (as per Govt guideliness)	
19	Whether filled up the bank details for online payment as per Annexure GGG	

NOTE: Please fill up the greyed cells only.

ANNEXURE - GGG

(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.**