



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/4912552
Dated/दिनांक : 03-05-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	29-05-2024 13:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	29-05-2024 13:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Petroleum And Natural Gas
Department Name/विभाग का नाम	Oil India Limited
Organisation Name/संगठन का नाम	Oil India Limited
Office Name/कार्यालय का नाम	Oil India Limited
Total Quantity/कुल मात्रा	9
Item Category/मद केटेगरी	ONLINE GAS DETECTION SYSTEM (Q3)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	5 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes

Bid Details/बिड विवरण	
Type Of Inspection	Post Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Auto CRAC Days	30
Payment Timelines	Payments shall be made to the Seller within 21 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	ICICI
EMD Amount/ईएमडी राशि	616932

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	ICICI
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	22

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

CGM - Materials (HoD)
Materials Department, OIL INDIA Limited, Duliajan, Dibrugarh, Assam, PIN - 786602
(G C Sarma)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100%(selected by Buyer) percentage of total QUANTITY.The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

3. Inspection of Stores by Nominated Inspection Authority / Agency of buyer or their authorized representatives

An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components, solutions and documentation conform to contractual requirements. The buyer has a right to inspect goods in reasonable manner and within reasonable time at any reasonable place as indicated in contract. Inspection Fee/ Charges (as pre-greed between buyer and Inspection Agency) would be borne by the buyer as per their internal arrangement but may be recovered from the seller if the consignment failed to conform to contractual specification and got rejected by the Inspection Officer .If so requested and accepted by the seller , initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if consignment accepted by the Inspecting Officer . For reimbursement seller has to submit proof of payment to Inspection Agency.

Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place of inspection as per contract and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer, all reasonable facilities as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply. The decision of the purchaser representative /inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.

The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant

thereon.

The seller shall also provide and deliver store / sample from consignment under inspection free of charge at any such place other than his premises as the Inspecting officer may specify for acceptance tests for which seller/OEM does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at sellers premises, the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification. The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer.

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller.

Inspecting officer is the Final Authority to Certify Performance / accept the consignment. The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense shall mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

ONLINE GAS DETECTION SYSTEM (9 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	80%
Min Cost Allocation for ICT as a % of product cost	16%
Number of days allowed for ICT after site readiness communication to seller	60 Days/दिन

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Chandana Phukan	786602,Oil India Limited, Duliajan, Assam	9	180

Buyer added Bid Specific Additional Scope of Work

S.No.क्र.सं.	Document Title	Description	Applicable/रिक्स प्रभार के अनुसार जीएसटी i.r.o. Items
1	Technical Specification & BRC View	Technical Specification & BRC	ONLINE GAS DETECTION SYSTEM(9)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. Generic

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

4. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

5. Generic

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the

bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

6. Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

7. Generic

The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.

Applicable Concessional rate of GST :

12.00

%

Notification No.and date :

8/2022 - Integrated Tax (Rate)

dated

13/07/2022

8. Generic

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

9. Generic

Wherever Essentiality Certificate is applicable (PEL/ML), successful bidder should provide Proforma Invoice for processing for EC application and material should be dispatched after receiving of EC from DGH. In view of the same, an ATC may be incorporated in GeM, viz, "BIDDER/OEM must provide Proforma Invoice for processing for EC application within

135

days from date of issue of GeM Contract and material should be dispatched after receiving of EC from DGH."

10. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

11. Purchase Preference (Centre)

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.

12. Purchase Preference (Centre)

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as

amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

13. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

ANNEXURE - I

DESIGN, ENGINEERING, SUPPLY, INSTALLATION & COMMISSIONING OF ONLINE GAS DETECTION SYSTEM FOR 09 (NINE) NOS. OF GAS COMPRESSOR STATIONS

I. PREAMBLE

1.0 Oil India Limited (OIL), intends to install 'Gas Detection System (GDS)' for its Gas Compressor Stations namely Bhogpara, Bhekulajan, Balimara, Barekuri, Baghjan, Chabua HJC, Kumchai, Hebeda and Hatiali. The proposed Gas Detection System shall be installed in these installations and the Control Panel shall be placed at the operator's room/control room. The system shall be equipped with provision to interface with the existing SCADA RTU/ PLC via Modbus Protocol [RS-485].

Main objective of the Gas Detection System (GDS) shall be to detect hydrocarbon gas concentrations in these Gas Compressor Stations and initiate alarm or shutdown system as the case may be, at pre-defined levels to prevent any hazardous events and act as independent safety layers for mitigation of consequences to achieve overall process safety requirements of the plant. Gas Detection system shall be designed to perform its function during normal, abnormal and design basis conditions.

This Tender has been floated for procurement of Gas detection System with Programmable Electronic System that shall meet safety standard of SIL-2 and other technical specifications as given in this tender document. Bidder to offer suitable technical solutions to meet OIL's requirement and quote accordingly.

1.1 List of locations where the Online Gas Detection Systems are to be installed -

S/N	Locations/Installation	Quantity (No.)
1	Online Gas Monitoring System at Bhogpara	1
2	Online Gas Monitoring System at Bhekulajan	1
3	Online Gas Monitoring System at Balimara	1
4	Online Gas Monitoring System at Barekuri	1
5	Online Gas Monitoring System at Baghjan	1
6	Online Gas Monitoring System at Chabua HJC	1
7	Online Gas Monitoring System at Kumchai	1
8	Online Gas Monitoring System at Hebeda	1
9	Online Gas Monitoring System at Hatiali	1

II. SCOPE OF SUPPLY/ SERVICES

Gas Detection System shall be designed and supplied on the basis of following detailed Scope of Work:

1.0 Type of Gas Detectors/Sensors:

1.1 IR based integrated (sensor cum transmitter) point type Gas Detectors for measurement, signal transmission.

1.2 Location of the gas detectors to be installed in the facility to cover the gas compressor area and vessels.

2.0 Control System & System Description:

- 2.1** Control system of the Gas Detection shall be SIL-2 certified; configuration shall be based on programmable system design to meet above compliance.
- 2.2** The control system shall be stand-alone, based on fail safe philosophy having necessary hardware & software with graphics based MMI interface for installation in the operator's room/control room. It shall be able to operate independently, and its operation shall not be affected by failure of any other instrumentation system. The proposed system shall be designed and engineered as one integrated control and safeguarding system with respect to operator presentation.
- 2.3** The system shall generate alarm as soon as the LEL level in the field crosses the set level in either one sensor or more sensors. In alarm condition there shall be an Audio-Visual Alarm in the operator's room/control room to alert the operator about the gas leakage. The GDS shall be microprocessor based configurable and expandable.
- 2.4** Control system shall have the feature to measure the field signal below 4mA DC or above 20mA DC for configuration of the gas detectors at various operating statuses (Normal, Fault condition and Gas Detected condition etc.) and should have all diagnostic/Maintenance information/Calibration via HART.
- 2.5** Detectors in a particular zone in the field installation may be arranged group wise as per the IO list and in such case system engineering should be made in such a way that inputs are terminated in the different input cards in order to enhance the system reliability.
- 2.6** Control system shall have the capability to display process as well as system alarms on the HMI/ Display for operator's attention and action. Alarms shall appear immediately on the HMI/ Display as and when they occur on priority basis. It shall also be possible to display summary of all Alarms in the sequence of their occurrence and shall disappear from display only when they are acknowledged and cleared.
- 2.7** Historization of the alarm/error/system fault/module change etc. conditions shall be maintained in the data base of the system for at least 4000 (All together) entries with features of:
- 2.7.1 Date and time of occurrence.
- 2.7.2 Point identification (i.e. Tag number) & description.
- 2.7.3 Type of alarm.
- 2.8** The supplier shall supply necessary software, in this regard for event sequencing and logging.
- 2.9** All networking components shall be of Industrial grade.
- 2.10** The control system shall have well laid down procedure for on-line maintenance and faulty module replacement.
- 2.11** The control system shall have features for interfacing with OIL's third party system (SCADA RTU / PLC) through 'MODBUS' protocol [RS-485].

3.0 Accessories:

- 3.1** Point type Gas detectors shall have integrated sensor and transmitter unit powered through 24 VDC supply.
- 3.2** Gas detector housing material shall be of SS 316.
- 3.3** The gas detectors shall be minimum SIL-2 certified.
- 3.4** Monitoring of status of Main AC as well as DC power supply units (Both Analog and Digital) shall be configured in the PLC as a minimum requirement.

4.0 Operating Environment for the Monitoring and Control System:

4.1 Gas Detection System will be located in operator's room/control room located in safe area. Normal operating condition will be 5 to 50 deg. C and 90 ±10% RH.

5.0 All electronic/electrical instruments and equipment to be used in hazardous area shall fulfil the following:

5.1 Item shall be of a type and specification conforming to the relevant standards as specified in the Regulation 107(2) of Oil Mines Regulation-2017 and complying the provisions therein.

5.2 Bidder shall provide documents specifying the type, details of specification, reference of the particular standard, test criteria as per the standards and status of testing, place of testing, copies of test reports from Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body which is not a part of manufacture's facilities along with their offer against this tender.

5.3 In this regard, Bidder may refer OMR-2017, Notification dated 18th October 2017, published in the Gazette of India, under Ministry of Labour and Employment, Directorate General of Mines Safety, published on 2nd November 2017.

6.0 Cabling Philosophy:

6.1 Signal /multi core cables for gas detectors shall be armoured and stranded copper conductor of minimum 1.5 Sq.mm or higher according to power loading calculations.

6.2 Power cables shall be armoured. It will be of stranded copper conductor of minimum 1.5 Sq.mm or higher according to power loading calculations.

6.3 Control cables for flame-proof external hooter shall be armoured cables. It will be of stranded copper conductor of minimum 1.5 Sq.mm or higher according to power loading calculations.

6.4 All the above ground cables shall be laid in galvanized metallic cable trays. Underground cables shall be laid with proper back filling.

6.5 Entry of the cables to the operator's room/control room terminating in the control panel should be neat and exposed portion should be routed through cable tray mounted on wall.

7.0 Junction Box:

7.1 Junction boxes shall be flameproof and weather-proof to IP65 (minimum). Relevant certificate has to be furnished by the bidder along with their offer.

7.2 The junction boxes shall be provided with sufficient number of terminals to terminate all the pairs of multi- cable (including spare pairs) and shields of individual pairs as applicable.

7.3 Junction boxes shall have separate external terminal for accommodating Earthing wires up to 10sqmm.

7.4 Unused cable gland entries should be properly sealed with suitable SS blind plugs as per safety standards for Hazardous area applications.

8.0 Cable Glands:

8.1 All cable glands shall be double compression type, nickel-plated and weatherproof and flameproof suitable for installation in an area classification of IEC Zone I Gas Group IIC. The cable glands shall be provided with PVC hood. Cable glands shall be suitable for cable dimensions with +/- 2mm tolerance. The plugs and adaptors shall also be weatherproof and flameproof suitable for installation in an area classification of IEC Zone I Gas Group IIC.

9.0 Audio-Visual Alarm:

9.1 Acoustic and visual alarms shall be automatically activated from Gas detection control unit located in operator/control room. For this purpose, one non-flameproof hooter along with flasher will be supplied which shall be installed at the control panel inside the operator's room/control room. One Industrial grade electric external hooter along with flasher will also be supplied and installed in the safe area outside of operator's room/control room within each of the Gas Compressor Stations for this purpose.

9.2 On receipt of signal from detectors the tone used for gas alarm horns shall be clearly audible over a range covering the entire facility.

10.0 Portable Calibrator:

10.1 One set of portable purge calibrator for Hydrocarbon Detector consisting of a cylinder containing a known gas / air mixture, cylinder containing zero gas, a pressure regulator, a flexible hose and adaptor cap (to fit the sensing head) shall be supplied to enable calibration of the sensors in the Gas Compressor Stations without dismantling them. Material of constructions will be of SS316 as a minimum. Bidder shall ensure necessary and sufficient supply of gases for calibration test of all sensing heads.

11.0 The Bidder shall be responsible for all types of Civil, Mechanical, Electrical, & Instrumentation works for installation, commissioning, testing and calibration of the entire gas detection system covering the facility including all labour and miscellaneous expenses.

12.0 Interfacing with the existing RTU/ PLC:

In general, Controller shall provide data via MODBUS protocol [RS 485]. The bidder needs to populate the data in a third party modbus software like MODSCAN during commissioning.

13.0 Earthing System:

13.1 Installation & commissioning of the necessary Earthing system for control panel and other instruments shall be under scope of bidder. The vendor shall supply readymade maintenance free CPRI approved chemical Earthing system with 50 mm dia 3.00 Metres length corrosion free G.I. pipe Electrode and conforming to relevant Indian Standards alongwith brick earth chamber and earth pit cover. Bidder to specify technical specifications and make in his offer and quote accordingly.

14.0 Installation & Commissioning:

14.1 Installation and commissioning as well as testing of all the supplied Infrared (IR) On-Line Gas Detection System shall have to be carried out by the successful bidder's competent personnel at 09 (nine) Gas Compressor Stations within 200 KM from Duliajan, Assam (India). One set of portable purge calibrator for Hydrocarbon Detector consisting of a cylinder containing a known gas/air mixture, cylinder of zero gas, a pressure regulator, a flexible hose and adaptor cap (to fit the sensing head) shall be brought by the successful bidder/supplier for calibration of the sensors in each of the Gas Compressor Stations without dismantling them. Material of construction shall be of SS316 as a minimum. Successful bidder/supplier shall ensure necessary and sufficient supply of gases for calibration test of all sensing heads in all of the Gas Compressor Stations.

14.2 During commissioning all required accessories and spares are to be supplied by the successful bidder/supplier for each Gas Compressor Station.

14.3 Successful bidder/supplier has to erect all the hardware i.e. Sensors, cable laying, fixing of cable trays, cable termination, fixing of control system along with power supply and hooter etc. and also fabrications, and civil jobs, if any.

14.4 The successful bidder should design and submit the complete cable schedule for OIL's approval prior to execution of the job.

14.5 Cable laying job for underground cables includes cutting trench, burying cables, laying of cables with good quality brick and sand, covering the trench, marking with cable marker.

- 14.6** Cable laying job for over ground/overhead, as required, cables, grouting of supports (to support cable tray) with chips, sand & cement etc. mounting of cable tray with nuts and bolts, laying the cable on the tray, dressing the cable with aluminium strips.
- 14.7** All the Gas detectors along with control system in each of the Gas Compressor Stations is to be calibrated on site and alarm level to be checked before putting into operation.
- 14.8** The system in each installation will be considered Successfully Commissioned only after successful continuous operation of the system individually for each installation in full capacity and capability without any part operation and functioning of the system for continuous 72 hours. If any breakdown or malfunctioning of the system in any form is observe during the above observation period, the starting time of observation will be reset to zero. In case the system could not function continuously due to OIL's operational problem, the starting time of observation will not be reset to zero, however, the system shall be made operational and put it under observation by the supplier to complete 72 hours once OIL's operational problem is resolved.
- 14.9 NOTES FOR INSTALLATION & COMMISSIONING:**
- 14.9.1 Bidder shall quote the Installation and Commissioning charges.
- 14.9.2 All charges including to and fro fares, boarding/lodging, local transport at Duliajan, Assam, and other expenses of the Supplier's personnel during their stay at Duliajan shall be under the Supplier's scope. In this regard, bidders may make a prior visit to Gas Compressor Stations at their own cost.
- 14.9.3 No hot work (*including all types of welding, cutting, grinding, drilling and heating*) shall be permitted within the Gas Compressor Stations. The successful bidder has to make its own arrangements for handling and transportation of all the material/tools/manpower to and fro the site before and after completion of the work at site, as required.
- 14.9.4 Pipe stanchions need to be provided by the bidder of suitable size.
- 14.9.5 The successful bidder shall carry out Work normally during day light hours & irrespective of holidays, Sundays etc. However, in case of emergency, work may have to be done beyond normal working hours with prior permission from Installation Managers/user department/CISF.
- 14.9.6 The successful bidder must obtain "Entry Permit" from CISF Commandant/ Head-Security of OIL for all his workers/personnel to enable them to work inside the installations.
- 14.9.7 **NUISANCE:** The successful bidder or his representative shall not at any time cause any nuisance on the site or do anything which shall cause un-necessary disturbance in the installation. OIL reserves the right to reject any one or all the personnel deployed by the successful bidder on the basis of their performance, conduct and discipline. If any replacement is sought by Engineer-in-Charge, the same shall have to be arranged by the successful bidder within 24 Hours or as per instruction of Engineer-in-Charge. In case of any dispute the decision of Engineer-in-Charge shall be final and binding.
- 14.9.8 **CARE OF WORKS:** From the commencement to completion of work, the successful bidder shall take full responsibility for the care of OIL's property, all equipment and pipelines including all temporary works and in case any damage, loss or injury shall happen to OIL's property/equipment/work/ person or to a part thereof due to negligence of the successful bidder, the same shall be rectified/ compensated by the successful bidder without any extra claim.
- 14.9.9 **SAFETY PRACTICES:**
- 14.9.9.1 The successful bidder shall abide by all safety and security rules and regulations existing in the OIL's Installations. The successful bidder shall observe the safety measures required to be undertaken for safety of persons, labour, public and properties at work site/ plant premises/ residential premises/ public places etc. The successful bidder shall be required to take work permit from respective shift in charges for each day and each shift for all kind of jobs. There can be instances of not getting permits, withdrawing of permits already issued at any stage of work due some operational safety and security reasons. For any stoppage of work for such reasons no claim whatsoever will not be considered.

- 14.9.9.2 Stand by firefighting equipment will be deployed at the work site by OIL. However, at least two of the successful bidder's personnel deployed for the work must be capable of handling the firefighting equipment at the time of emergency and the persons will have to be present at the work site throughout the working time. If required the successful bidder's nominated persons will be imparted training on handling such equipment by OIL's Fire Service department.
- 14.9.9.3 Any compensation arising out of the job carried out by the successful bidder whether related to pollution, Safety or Health will be paid by the successful bidder only.
- 14.9.9.4 Any compensation arising due to accident of the successful bidder's personnel while carrying out the job, will be payable by the successful bidder.
- 14.9.9.5 The successful bidder shall have to report all incidents including near miss to Installation Manager/ departmental representative of the concerned department of OIL.
- 14.9.9.6 In case the successful bidder is found non-compliant of HSE laws as required, the company will have the right for directing the successful bidder to take action to comply with the requirements, and for further non-compliance, the successful bidder will be penalized as per prevailing relevant Acts/ Rules/ Regulations.
- 14.9.9.7 When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE measures, Company will have the right to direct the successful bidder to cease work until the non-compliance is corrected.
- 14.9.9.8 All safety gears like safety boots, helmets, safety belts, hand gloves, safety goggles, gas masks etc. required for carrying the job in a safe manner shall be arranged by the successful bidder. In case the successful bidder fails to provide the safety gears, the same will be provided by OIL and the cost of such safety items will be deducted from the successful bidder's bills.
- 14.9.9.9 CLEARANCE OF SITE: As a part of the job, the successful bidder shall completely remove all the temporary/ disposable materials if needed while execution of work or after completion of work at his own cost and dispose off the same as directed by Engineer-in-Charge.
- 14.9.9.10 The successful bidder shall maintain first aid facilities for its employees. All critical industrial injuries shall be reported promptly to EMPLOYER, and a copy of the successful bidder's report covering each personal injury requiring the attention of a physician shall be furnished to the EMPLOYER.
- 14.9.9.11 The successful bidder shall observe and abide by all fire and safety regulations of the EMPLOYER. Before starting construction work, the successful bidder shall consult with Employer's safety Engineers and must make good to the satisfaction of the EMPLOYER any loss or damage due to fire to any portion of the work done or to be done under this job or to any of the Employer's existing property.

15.0 Site Acceptance Test (SAT):

- 15.1** OIL shall provisionally takeover the system i.e. after satisfactory completion of functional performance test which will include calibration test of all gas detectors. System acceptance test shall commence only after the satisfactory performance of loop checking of all the gas detectors in each of the Gas Compressor Stations and verification of records by OIL engineer at site or other competent personnel.
- 15.2** Following functional tests shall be part of system acceptance test as a minimum:
- 15.2.1 Hardware verification as per final bill of material.
- 15.2.2 Visual and mechanical check-up for proper workmanship, identification, ferruling, nameplates etc.
- 15.2.3 System configuration as per approved diagram. Complete set of manual with all operational procedures, ferruling documentation, hooter details and other wirings should be handed over to OIL after commissioning.

- 15.2.4 Demonstration of all system diagnostics.
- 15.2.5 Checking of proper functioning of all drives, alarm summary etc.
- 15.2.6 Complete drawing of the gas detectors installed in the facility to be displayed in the operator's room/control room with proper tagging/ marking as applicable.

15.3 Only after successful completion of SAT, the complete system shall be put under observation for 72 continuous hours for each of Gas Compressor Stations. During this period, any malfunctioning of the system components shall be replaced/repared as required free of cost (under bidder's scope). Once the system failure is detected, the acceptance test shall start all over again from the beginning. On successful completion of 72 hours of continuous operation, the Gas Detection system for that installation shall be accepted by OIL.

16.0 Training:

16.1 Successful Bidder shall impart training to OIL's site personnel for routine operation & preventive maintenance of the Gas Detection system. The training shall be imparted at each of Gas Compressor Stations for minimum 1 (one) day immediately after successful acceptance of the complete system at that particular installation.

16.2 Training on the operation of the entire systems as per functional requirement including start up and shut down of the system.

16.2.1 Maintenance training on the hardware & software being supplied.

16.2.2 The different hardware components to be supplied by the bidder.

16.2.3 Calibration and maintenance aspect of the field sensors.

16.3 Cost towards such training/demonstration is inclusive in the installation/commissioning charges.

17.0 SPECIAL NOTES:

17.1 The supplier must provide all relevant technical catalogues, statutory certificates etc. along with their bid for online Gas Detection System of their offered Model No. for technical evaluation.

17.2 The supplier shall submit necessary documents along with the offer for all electronic/electrical instruments and equipment used in zone "1" or zone "2" hazardous area as per the Regulation 107(2) of OMR 2017 as mentioned in point 5 above.

17.3 Layout diagram of the installation will be provided to the successful bidder/supplier nearer the time.

17.4 Successful bidder has to take approvals of the following from OIL:

- (i) Control System cabinet Wiring Details
- (ii) Sensor's locations & installation plan
- (iii) Loop diagram & loop details
- (iv) Cable schedule and datasheet
- (v) Project Implementation Schedule

17.5 Two sets of Operation & Maintenance manual (for each Gas Compressor Stations) in printed form for Infrared (IR) On-Line Gas Detection System to be provided during commissioning of the system. The maintenance manual shall include Control System cabinet Wiring Details, Loop diagram & loop details, Cable schedules etc.

17.6 Test and calibration certificates for each detector/ sensor have to be provided along with the supply.

17.7 OIL reserves the right to inspect, test and if necessary, reject any part/parts after delivery at site (*including incomplete manuals, catalogues, etc.*). In case of any fault on the part of the supplier he has to replace/repair at his own cost.

- 17.8** Deviations from NIT specifications, if any, should be highlighted in the quotation.
- 17.9** It will be solely supplier's responsibility (*as already undertaken in supplier's offer*) to ensure availability of requisite spares and consumables (including bought out items) for a minimum period of 10 (ten) years from the Certified date of completion/successful field commissioning of the unit. Bidders need to confirm that during bid submission.
- 17.10** Supply of all necessary accessories & fittings like-pipe, cable tray, Junction Box, Cable gland cable tie, nut bolt, screw, clamp, etc. required to complete the installation and commission the GDS is under the scope of bidders and should be included in their quoted price.
- 18.0** **Warranty:**
- 18.1** The Online Gas Detection system shall be Guaranteed/warranted, which must be valid for 12 (Twelve) months from the date of successful commissioning.
- 18.2** Point Type Infrared Gas Detector shall be Guaranteed/warranted for 5 (Five) years from the date of successful commissioning.
- 18.3** To keep the system fully operational, in case of failure of any item during the warranty period, it shall be the successful bidder/supplier's responsibility to arrange replacement/repairing at site at their cost including customs, freight, etc. within a period of maximum 3 (three) weeks from the date of intimation of such failure. However, if party do not attend the fault, repair/replace the faulty system within stipulated period, warranty of the entire system of that particular installation will be restart from the date of making the system operational.
- 18.4** During warranty, if required, Party shall have to calibrate the detector(s) at their own arrangement.
- 19.0** **Delivery:**
- 19.1** The successful bidder/supplier shall pack and deliver all equipment/items and accessories in separate lots for each of Gas Compressor Station. These packed lots shall be clearly marked for site wise deployment for ease of identification and subsequent logistic transportation at the time of installation and commissioning. The equipment/items and accessories shall be packed in robust cartons so as to avoid damage in transit and for safe storage before/during installation and commissioning.
- 19.2** Time frame for project completion is to be scheduled in two parts. The first part is for supply of items and second part is for Installation & Commissioning. The first part supply of items has to be completed within 180 days from issue of Purchase Order (PO) and the second part Installation and Commissioning has to be completed within 60 days from issue of site clearance by OIL. Successful bidder required to submit their project execution plan (*Details of each task pertaining to parts procurement, assembly, testing and function test at works, delivery and shipment schedule*) immediately after awarding of PO. This should also include submission of drawings/design calculations for OIL's approval and deputation of engineer/technicians for installation, commissioning, testing and final acceptance test at site including training.
- 19.3** The supplied materials including electronic/instruments/cables are required to be stored properly until installation, commissioning, testing and final acceptance of the complete packages. OIL shall provide free space to the bidder for arranging proper storage facilities. For any Damage/pilferage due to poor storage, OIL shall not be responsible for the same.
- 20.0** **GENERAL NOTES:**
- 20.1** It is to be clearly understood that the successful bidder shall be responsible to complete the entire work in all respect and any other work necessary to achieve the object and completion though not specifically covered under the scope of work, shall be carried out by the successful bidder. **Bidders are requested to visit the sites prior to submission of their bid so that the exact requirements for items such as Cables, Cable Tray, Junction Box, Cable Gland etc. of the tender could be ascertained and quote accordingly. Tentative requirement is provided in the Annexure – II (Bill of Materials).**

- 20.2** The successful bidder shall arrange all the materials labour, tools and tackles etc. required for successful execution of work. OIL shall provide no materials/tools/equipment.
- 20.3** The successful bidder shall arrange for accommodation/transportation of himself and his supervisor/ labourers at his risk and cost. OIL shall not provide any accommodation / transportation whatsoever to the party or his staff.
- 20.4** The successful bidder shall employ such workers who are above 18 years of age. They shall be medically fit and fully competent to perform the work.
- 20.5** OIL shall provide water and electricity (230 VAC) required for work. However, necessary arrangement to take electricity and water is under the scope of the successful bidder.
- 20.6** Any work not conforming to execution drawings, specifications or codes shall be rejected forthwith and the successful bidder shall carryout the necessary rectification at his own cost.
- 20.7** The successful bidder shall provide PPE (*personal protective equipment, like safety helmets, safety gloves, safety shoes, safety goggles etc.*) for each person working for the execution of the work, at its own cost. No person will be allowed to work without PPEs.

21.0 TECHNICAL SPECIFICATIONS:

21.1 Point Type Infrared Gas Detector:

- i. Sensor type: Infrared (IR) type sensor
- ii. Principle of operation: Two IR lamp Producing Two Separate IR Beam. Temperature compensation shall be in-built.
- iii. Function: Shall be able to detect hydrocarbon gases in the range of 0-100% LEL
- iv. Calibration: Factory calibration at Methane or Propane
- v. Range: 0 to 100% LEL
- vi. Construction: Flameproof, 316SS body with dust/weather protection for outdoor installation.
- vii. Optical performance: Correct operation up to 75% obscuration, the same shall be configurable with facility for dirty optics warning. Heated optics to avoid condensation. There must be provision of Cleaning and Maintaining sensor window by a cleaning cloth/material.
- viii. Input Power: 24V DC nominal (18-30V DC)
- ix. Output: 4-20 mA DC with HART
- x. Overall Accuracy: +/- 3% of LEL or better
- xi. Repeatability: +/- 2% FSD
- xii. Zero drift: Typically, 2 % FSD per year
- xiii. Response time: 90% of gas reading in less than 8 seconds (with filter/protection guards)
- xiv. Self-Check: Continuous self-check for immediate detection of internal failures
- xv. Operating temperature: 5 Deg C To 50Deg C
- xvi. Humidity: 0 to 95% RH
- xvii. Cable entry: NPT (F)
- xviii. Area classification: Class-I, Div-I, Gr. C & D (Zone-1, Gr. IIA/B)
- xix. Enclosure classification: Explosion Proof (Exd) conforming to hazardous area classification to Class-I, Div-I, Gr. - C & D (Zone-1, Gr. IIA/IIB) and IP66
- xx. Temperature Class will be T4.
- xxi. Hazardous Area Approval: Required.
- xxii. Safety Integrity Level: SIL-2 (TUV / EXIDA / Accredited international agency) certified.
- xxiii. Accessories required: Mounting kits, Canopy, Tag Plates, Rain & Dust protection cover, Splash guard, Ex Proof & Weatherproof double compression cable glands etc. as required.
- xxiv. Configuration: Non-Intrusive Configuration Required
- xxv. Warranty: 5 years

21.2 Hooter:

- i. Type: Industrial grade Electric Hooter.
- ii. Area Classification: Safe area at outside of operator's room/control room.
- iii. Protection Degree: IP 54 or better

- iv. Supply Voltage: 230 V AC /24VDC
- v. Power Consumption: 10 W
- vi. Sound Power: Minimum 100 dBA at 1 metre (Multi tone Selectable)
- vii. Body Material: Aluminium
- viii. Electrical Connection: ½ inch NPTF
- ix. Mounting: As per requirement mounting accessories to be provided.
- x. Others: Unit to be supplied with field mounted reset push button
- xi. Audibility: Loud enough to cover the entire range of the facility in all direction.

21.3 Flasher:

- i. Area Classification: Safe area
- ii. Protection Degree: IP 54 or better
- iii. Supply Voltage: 230 V AC /24 VDC
- iv. Power Consumption: 2 W
- v. Body Material: Aluminium
- vi. Electrical Connection: ½ inch NPTF
- vii. Mounting: As per requirement mounting accessories to be provided.
- viii. Others: Unit to be supplied with field mounted reset push button for outdoor application

21.4 Cable, Cable tray and Cable Gland:

A. Armoured Signal Cable:

i. CONDUCTOR:

Material: Tinned copper

Cross-sectional area of each core: 1.5 mm² No. of strands in each core: 7 (seven) Diameter of each strand: 0.5 mm

Core colour: Black

Core identification: White numbering on each core with 50 mm gap between two numbers.

ii. INSULATION:

Material: Flame retardant PVC Thickness: 0.64 mm (Nominal)

Continuous temperature rating: 85 Degree C Voltage grade: 500 V

Insulation resistance (Min) :10 Mega Ohms/Km at 20 Degree C

iii. ARMOURING:

Material: Galvanized steel Magnetic/Non-Magnetic: Magnetic Round wire/ Flat strip: Round wire

iv. SHIELDING:

Material: Mylar backed Aluminium foil Thickness: 0.0635 mm (63 Micron)

Drain wire (for shield Continuity): Required Material of Drain wire: Tinned copper Shielding of individual cores: required Overall shielding: Aluminium Mylar screen.

v. OUTER SHEATH:

Material: Flame retardant PVC Thickness (Min.): 1.40 mm Colour: Black

vi. SIZE:

Outer diameter: Not more than 18 mm

B. Armoured Power cable:

i. CONDUCTOR:

Material: Tinned copper

Cross-sectional area of each core: 1.5 mm² No. of strands in each core: 7 (seven) Diameter of each strand: 0.5 mm
Core colour: Black
Core identification: White numbering on each core with 50 mm gap between two numbers.

ii. INSULATION:

Material: Flame retardant PVC
Thickness: 0.64 mm (Nominal)
Continuous temperature rating: 85 Degree C Voltage grade: 1100 V
Insulation resistance (Min): 10 Mega Ohms/Km at 20 Degree C

iii. ARMOURING:

Material: Galvanized steel Magnetic/Non-Magnetic: Magnetic Round wire/ Flat strip: Round wire

iv. SHIELDING:

Material: Mylar backed Aluminium foil Thickness: 0.0635 mm (63 Micron)
Drain wire (for shield Continuity): Required Material of Drain wire: Tinned copper Shielding of individual cores: Not required Overall shielding: Aluminium Mylar screen.

v. OUTER SHEATH:

Material: Flame retardant PVC Thickness (Min.): 1.40 mm Colour: Black

vi. SIZE:

Outer diameter: Not more than 28 mm

C. Cable tray:

- i. Type: Perforated, hot dip galvanized
- ii. Size: As required
- iii. Shape of perforation/ hole: Oval shape
- iv. Accessories: Coupling plates, nuts, bolts and washers

D. Cable Gland:

- i. Specifications: Flame proof, Brass Ni plated, double compression type with lock nut & PVC shrouds of same size
- ii. Size: As required
- iii. Type: NPT

21.5 Junction Box:

- i. Material of JB: Cast Aluminum Alloy (LM6)
- ii. Mounting: Outdoor, Hazardous area
- iii. Enclosure: Industrial, Explosion proof and Weatherproof to IP 66 or better
- iv. Ambient Temperature: 0 to 60 Degree C
- v. Colour: Light grey, Epoxy coated
- vi. Terminals: Spring loaded. Vibration proof. Clip on type.
- vii. Construction: Junction box shall have doors which shall be of hinged type, and these shall be fixed with SS or cadmium plated countersunk screws
- viii. Terminals size: Minimum 2.5 sq.mm
- ix. Terminal Numbering: Required, suitable for 2.5 sq.mm conductor; Terminal details to be displayed inside the junction box.
- x. Cable Entry: Bottom & side, Main cable :1 1/2" NPT(F) or as per requirement & branch cable entry: 12 nos. 3/4 " NPT(F) or as per requirement
- xi. Mounting Accessories: Required
- xii. Tag Plate: Required

- xiii. Plugging of entry ports: Blind plugs shall be provided to block all idle entries. The entry points shall be plugged by PVC caps during transportation.

21.6 Control System: The Control system should consist of the following (to be installed in operators' Room/control room which is located in non-hazardous area):

A. Controller:

- i. Type: Programmable Electronics System suitable for gas detection
- ii. Memory: Log File Memory for diagnostics purposes with back-up battery
- iii. SIL 2 Approval (TUV / EXIDA / Accredited international agency) required.
- iv. Input Power supply: 230 V AC/ 24VDC
- v. Inputs:
Analog inputs: As per site requirement
Digital Inputs: As per site requirement
- vi. Outputs:
Digital Outputs: As per site requirement
- vii. Controller should have provision of expandable I/O
- viii. I/O port: Modbus over TCP/IP and RS 485
- ix. Diagnostics: Continuous online
- x. HMI/ DISPLAY: Minimum 10 inch (Touch Screen) to be mounting in the panel.
- xi. EMI/ RFI: No Interference
- xii. Earthing: Required for the entire control panel as per standard.
- xiii. Terminal Details: All wiring details inside the panel should be ferruled, numbered and details documentation should be submitted to OIL.
- xiv. Also, hardware details such as processor architecture, programming and all electronic modules should be submitted to OIL in a hard bound document.
- xv. Operating Temperature: 5 Deg C to 50 Deg C

B. Control Panel:

- i. Mounting Control Cabinet with reset button to be House in 19" inch rack with controller and I/O cards based on manufacturer standard.
- ii. Type of sheet: CRCA Sheet
- iii. Type: Fully Powder Coated (RAL 7035 (Colour))
- iv. Input Power supply: 230 V AC Supply through MCB/ ELCB of proper rating.
- v. Power ON, OFF and Reset button to House in the panel.
- vi. Power Supply Unit: 1 No(24VDC)
- vii. Power Supply Unit should be capable of providing power supply to all channel cards, sensors and alarm hooter.
- viii. Channel Cards: As per site requirement and must have provision for future expansion.
- ix. Alarm: Alarm output for non-flame proof Hooter with Flasher (for visual indication of alarm) to be provided in the Control panel as common alarm for all the gas detectors mounted at field.
- x. Input Signal: 4-20 mA loop current @ 24 V DC
- xi. Display : 10 inch touch screen display as indicated in A above.
- xii. Relay Contact Rating: Solid state relay contact rating; 5 A @ 24 V DC
- xiii. Alarm Reset: External Alarm Reset Push Button to be available when alarm relays are programmed for latching. Alarm Relays will be reset but alarm status LEDs should track actual condition.
- xiv. Terminal Block: Modular Terminal Block that allows disassembly without removal of individual wires.
- xv. System Diagnostic: The control system should display system errors such as power supply failure, sensor fault, PLC hardware fault etc.

21.7 UPS:

- i. On-line UPS (Uninterrupted Power Supply) with 60 minutes backup and suitable for generator power: 230 V AC $\pm 10\%$, 50Hz ± 5 Hz.
- ii. Battery: Maintenance free.

22.0 Bill of Materials (BOM):

22.1 Tentative BOM is enclosed as **ANNEXURE – II**. However, any additional requirement, if found necessary to make the system functional and fulfil its purpose, bidder has to supply the same without any extra cost to OIL. Bidders are requested to visit the sites prior to submission of their bid so that the exact requirement is ascertained.

ANNEXURE - II

BILL OF MATERIALS FOR ONLINE GAS MONITORING SYSTEM AT 09 LOCATIONS (Tentative)

LOCATION: Bhogpara			
Sl. no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq. MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sq. mm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Bhekulajan			
Sl. no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq. MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sq. mm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Balimara			
Sl. no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq. MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sq.mm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Barekuri			
Sl. no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq. MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sq.mm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Baghjan			
SI no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sqmm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Chabua HJC			
SI no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sqmm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Kumchai			
SI no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sqmm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Hebeda			
SI no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sqmm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

LOCATION: Hatiali

Sl no.	Description	UOM	QTY
1	HC Gas Detector	Nos	6
2	Field Junction Box	Nos	1
3	24 Core 1.5 Sq MM Cable	Metres	200
4	JB stand	Nos	1
5	1 triad- 1.5 sqmm	Metres	450
6	Cable tray 100 mm	Metres	100
7	Cable tray 50 mm	Metres	200
8	Field Hooter & flasher	No	1
9	Control Panel	No	1
10	Installation & Commissioning	Lumpsum	1

ANNEXURE - III

BID REJECTION CRITERIA (BEC/BRC)

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

BID REJECTION CRITERIA (BRC):

(A.1) BRC-TECHNICAL:

1.0 BIDDERS' QUALIFYING CRITERIA

1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s)

OR

The bidder shall be authorized agent/dealer/distributor/supply house of an OEM of the tendered item(s).

Note:

a) Bidder(s) other than OEM must submit a valid Authorization letter and back-up warranty from the manufacturer as per format enclosed herein vide **PROFORMA – A**. The Authorization and back-up warranty letter duly sealed & signed by the Manufacturer on their official letterhead must be submitted along with the technical bid.

b) The Sole Selling Agent/Dealer/Distributor/Supply House shall categorically confirm in their technical bid that there will be no change of the proposed OEM after submission of the bid.

2.0 BIDDERS' EXPERIENCE:

2.1 IN CASE THE BIDDER IS A MANUFACTURER (OEM):

The OEM must have experience of successfully executing (either by themselves or through any Sole Selling Agent/Dealer/ Distributor/ Supply House) atleast 01(One) order for **supply, installation & commissioning** of On-line Gas Monitoring System of value not less than **INR 1,54,23,291.50** during last five (5) years preceding to the original Bid Closing Date of the Tender. Documentary evidence in this regard must be submitted alongwith the Technical Bid as per Para 2.3.

2.2 IN CASE THE BIDDER IS A SOLE SELLING AGENT/DEALER/DISTRIBUTOR/SUPPLY HOUSE OF THE ORIGINAL EQUIPMENT MANUFACTURER (OEM), THE FOLLOWING CRITERIA SHALL BE MET BY THE BIDDER AND THE OEM:

i) Their proposed OEM must have supply experience (either by themselves or through any sole selling agent/ dealer/ distributor/ supply house) of atleast 01(One) order for supply of on-line gas monitoring system of value not less than **INR 1,54,23,291.50** during the last five (5) years preceding to the original bid closing date of the tender. Documentary evidence in this regard must be submitted alongwith the technical bid as per Para 2.3.

ii) Additionally, the Bidder as a Sole Selling Agent/Dealer/ Distributor/Supply House must themselves have experience of successfully executing atleast 01(One) order for **supply, installation & commissioning** of Online Gas Monitoring System of value not less than **INR 1,54,23,291.50** during last five (5) years preceding to the original Bid Closing Date of the Tender. Documentary evidence in this regard must be submitted alongwith the Technical Bid as per Para 2.3.

2.3 NOTES TO BIDDER REGARDING EXPERIENCE CRITERIA

2.3.1 The following documentary evidence to substantiate above experience records (2.1 and 2.2, as applicable) of the Bidder must be submitted alongwith the technical bid, failing which the Bid shall be treated as incomplete and rejected:

(a) Copy of Purchase order(s)/contract(s) awarded by Client(s)

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

True copies of Original Signed and sealed Completion report/performance certificate from the clients (on Client's/User's official letter head with signature & stamp) duly notarized by Government Notary.

OR

Copy of Bill of Lading.

OR

Copy of Consignee delivery receipts/challans.

OR

Copy of Tax Invoice/Excise Gate Pass issued under relevant Act/rules.

OR

Copy of Commercial Invoice/Payment Certificate.

2.3.2 The date of purchase order(s)/contract(s) need not be within five (5) years preceding the original bid closing date of the Tender, but execution/ supply of required quantity must be within five (5) years preceding the original bid closing date of this tender.

2.3.3 In case of extension to the scheduled Bid Closing date of this tender, if any, the Original scheduled Bid closing Date shall be considered for evaluation of Bids.

2.3.4 Against all supporting documents submitted by the bidder alongwith the technical bid, originals must be kept ready and to be produced for verification of OIL, if called for.

2.3.5 The Purchase order(s)/contract (s) must bear the Purchase order number(s)/Contract number(s) which clearly indicate the scope of work and technical specifications of the item(s).

2.3.6 The experience of the bidder's Sister Concern/subsidiary shall not be considered for evaluation.

2.3.7 Bidder shall quote for all the items of the tender; otherwise, the offer shall be liable for rejection.

3.0 DELIVERY PERIOD:

Delivery of the materials must be completed within the **180 days** from the date of issue of Purchase order. The date of receipt of all materials at site shall be considered as the date of delivery.

Installation & Commissioning at all the installations must be completed within **60 days** from the date of issue of site clearance by OIL.

Bidder to confirm compliance of the above delivery schedule in their technical bid. Bidder quoting delivery period and installation & commission period more that the above shall be liable for rejection.

(A.2) BRC - FINANCIAL:

1.0 The bidder must have an annual financial turnover from Operations of minimum **INR 1,54,23,291.50** during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender Audited Annual Reports.

[Annual Financial Turnover of the bidder from Operations shall mean - "Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year" as per the Companies Act, 2013 Section 2 (91).]

2.0 "Net Worth" of the bidder must be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender.

[Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium - Aggregate value of accumulated losses (excluding revaluation reserves) - deferred expenditure - Miscellaneous Expenditure to the extent not written off and carried forward loss - Reserves created out of write back of depreciation and amalgamation"]

3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/ accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/ undertaking (**PROFORMA - A**) certifying that 'the balance sheet/Financial Statements for the financial year (as applicable) 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 technical 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 (**PROFORMA – B**).

OR

ii) Audited Balance Sheet alongwith Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.

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.

4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

5.0 In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ultimate parent/holding company, then following documents need to be submitted:

(i) Turnover of the parent/ultimate parent/holding company should be in line with Para A.2 (1.0) above.

(ii) Net Worth of the parent/ultimate parent/holding company should be positive in line with Para A.2 (2.0) above.

(iii) Corporate Guarantee (**PROFORMA - C**) on parent/ultimate parent/holding company's company letter head signed by an authorized official undertaking that they would financially support their wholly owned subsidiary company for executing the project/job in case the same is awarded to them.

(iv) Documents to substantiate that the bidder is as 100% subsidiary of the parent/ultimate parent/holding company.

(A.3) BRC - COMMERCIAL:

- 1.0 Bids are invited under **SINGLE STAGE TWO BID SYSTEM**. Bidders should upload Techno-Commercial Bid (Unpriced Bid) and Priced Bid separately at the designated fields assigned in GeM Portal. **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/costs. Bidder not complying with above submission procedure will be rejected.
- 2.0 The prices/rates offered against the tender must remain firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price condition shall be treated as non-responsive and rejected. No discount whatsoever should be quoted separately. Rates/prices quoted must be net of all discounts.
- 3.0 Bids received in physical form shall be rejected (*except the documents specifically called for in hard copies, if any*). Also, modifications to bids received after the bid closing date & time shall not be entertained.
- 4.0 Bids containing incorrect/false/misleading statement(s) shall be rejected.
- 5.0 Validity of the bid shall be **minimum 90 days** from the date of actual Bid Closing Date. Bids with lesser validity shall be straightway rejected.
- 6.0 Bidders must confirm that goods/materials to be supplied against the order arising out of this tender shall be of recent make, unused, of the best quality & workmanship and free from defects. The Bidder must undertake to stand guaranteed for the materials as called for in the tender. Defective goods/materials rejected by OIL, whether the entire lot or part thereof, shall be replaced immediately by the supplier at the supplier’s expenses at no extra cost to OIL.
- 7.0 Successful bidder will be required to furnish a Performance Security @5% of the order value. The Performance Security must be valid for a period as called for in the tender document. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected. (Please refer Annexure – IV: GENERAL NOTES TO BIDDERS)
- 8.0 Bids must be accompanied by Bid Security for the amount as mentioned in the tender document and shall be in the prescribed format (**PROFORMA – G**) if submitted in the form of Bank Guarantee (BG). **In case of the Bid Security is submitted in the form of Bank Guarantee, scanned copy of Bank Guarantee shall be uploaded by the bidder in the online bid and hard copy of the Bank Guarantee will have to be submitted directly to OIL within the Bid Closing (BC) date and time,** failing which the bid may be treated as incomplete and may lead to rejection of the bid by OIL without making any reference to the bidder. **Bid Security if submitted in the form of BG/e-PBG must be valid at least for a period of 135 days from the date of original bid closing date of the tender.**

Bid Security may also be paid through online payment mode. **Bid Security must be submitted within the scheduled Bid Closing date and time of the Tender,** failing which the bid may be treated as incomplete and may lead to rejection of the bid without making any reference to the bidder.

The amount of Bid Security (EMD) must be strictly as specified in the tender document. Bid shall be rejected without further reference, if the Bid Security (EMD) is not received strictly as above, except where exempted. OIL will not assume any responsibility whatsoever for submission of deficient/faulty Bid Security or for delay/non-delivery of the same (Please refer Annexure – IV: GENERAL NOTES TO BIDDERS).
- 9.0 Bid must be uploaded together with the Integrity Pact (*If applicable against the tender*) and the same must be duly signed digitally. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact, their bid shall be rejected straightway (Please refer Annexure – IV: GENERAL NOTES TO BIDDERS).
- 10.0 Bidders shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

- i) Liquidated Damages
- ii) Warranty/Guarantee of material
- iii) Arbitration / Resolution of Dispute
- iv) Force Majeure
- v) Applicable Laws

11.0 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) In case the party refuses to sign Integrity Pact.
- c) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
- d) 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.

ANNEXURE - IV

GENERAL NOTES TO BIDDERS

- 1.0** The bid is governed by GeM General Terms & Conditions (GeM GTC) prevalent on the bid closing date of tender.
- 2.0** Bidders shall submit their offer mentioning pointwise compliance/noncompliance to all the terms & conditions, BEC/BRC, Specifications etc. Any deviation(s) from the tender terms & conditions, BEC/BRC, Specifications etc. should be clearly highlighted specifying justification in support of deviation.
- 3.0** 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 OIL, failing which the offer will be summarily rejected. However, bidder(s) must note that there should not be any additional financial involvement arising out of such post tender clarifications.

- 4.0** The Bidder to submit following Technical Evaluation Sheet along with technical bid -

Annexure –V: Bid Evaluation Matrix (Technical Specification)

Annexure –VI: Bid Evaluation Matrix (Bid Rejection Criteria)

5.0 INTEGRITY PACT

OIL shall be entering into an Integrity Pact, **if applicable** with the bidders as per format enclosed vide **PROFORMA - D** of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned 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 have 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.

OIL's Independent External Monitors at present are as under:

DR. TEJENDRA MOHAN BHASIN,
Former Vigilance Commissioner, CVC
E-mail: tmbhasin@gmail.com

SHRI RAM PHAL PAWAR, IPS (Retd.),
Former Director, NCRB, MHA
E-mail: rpawar61@hotmail.com
ramphal.pawar@ips.gov.in

SHRI AJIT MOHAN SHARAN, IAS (Retd.)
Former Secretary, Ministry of Ayush, GoI
Mob No.: 9810701876
E-mail: ams057@gmail.com

- 5.1** In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact.
- 5.2** In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organisation may take further action as per the terms and conditions of the contract.
- 6.0** DOMESTICALLY MANUFACTURED IRON & STEEL PRODUCTS (DMI & SP): *Not Applicable*
Steel Policy notified vide Notification No. 324 dated 29.05.2019 and as amended from time to time by Ministry of Steel, Government of India is applicable against this tender. The detailed policy may be referred in Ministry's website. Also, refer ANNEXURE – VI to this tender in this regard.

7.0 **MICRO AND SMALL ENTERPRISES (MSE)**

Categorisation and various Criteria applicable to MSE bidders shall be guided by the Gazette Notification No. CG-DL-E-26062020-220191 dated 26.06.2020 and Amendment vide Gazette Notification no. CG-DL-E-16062021-227649 dated 16th June, 2021 issued by Ministry of Micro, Small and Medium Enterprises.

The bidder claiming as MSE status (MSE-General, MSE-SCIST, MSE -Woman) against this tender has to submit the following documents for availing the benefits applicable to MSEs:

Udyam Registration Number with Udyam Registration Certificate.

Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur or Woman Entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur/ Woman Entrepreneurs should also be enclosed.

7.1 For availing benefits under Public Procurement Policy (Purchase preference), the interested MSE Bidders must ensure that they are the manufacturer of tendered item (Primary Product Category) and registered with the appropriate authority for the said item(s).

8.0 **PREFERENCE TO MAKE IN INDIA (MII)**

Department for Promotion of Industry and Internal Trade (DPIIT), has issued the revised 'Public Procurement (Preference to Make in India), Order 2017" vide Order no. No. P-45021/2/2017-PP (BE-II) dated 04.06.2020. Bidders are requested to go through the policy and its subsequent amendments, if any, and take note of the same while submitting their offer.

8.1 The 'Class-I local supplier'/ 'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to **indicate percentage of local content and provide self-certification (PROFORMA – E) that the item offered meets the local content requirement for 'Class-I local supplier'/ 'Class-II local supplier', as the case may be.** They shall also give details of the location(s) at which the local value addition is made. Such undertaking shall become a part of the contract.

8.2 In cases of procurement **for a value in excess of Rs. 10 crores,** the 'Class-I local supplier'/ 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

9.0 **RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY SHARING LAND BORDER WITH INDIA:**

Ministry of Finance of Govt. of India, Department of Expenditure, Public procurement Division vide office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020 (order-Public Procurement no.1) has proclaimed the insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 w.e.f. 23rd July, 2020 and amended vide O.M. No. F.7/10/2021-PPD (1) dated 23.02.2023 (order public procurement no. 4) from Procurement Policy Division, Department of Expenditure, Ministry of Finance forwarded by Department of Public Enterprises vide O.M. No. F. No. DPE/7 (4)/2017-Fin dated 24.02.2023 regarding restrictions on procurement from a bidder of a country which shares a land border with India on the grounds of defence of India on matters directly or indirectly related thereto including national security. Bidders are requested to take note of the following clauses and submit their offers accordingly wherever applicable.

- (1) Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority [Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)]. Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, shall also require to be registered with the same competent authority to be eligible to bid in this tender.
- (2) "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

- (3) "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means:
- a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

(4) The beneficial owner for the purpose of para (3) above will be as under:

- (i) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation:

- a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five percent of shares or capital or profits of the company.
 - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements.
- (ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
- (iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- (iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- (v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

(5) An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

(6) The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

(7) **Validity of Registration:** The registration should be valid at the time of submission of bid and at the time of acceptance of bid. If the bidder was validly registered at the time of acceptance/placement of order, registration shall not be a relevant consideration during contract execution.

(8) **Undertaking regarding compliance:** The bidders are required to provide undertakings as per **PROFORMA – F(I), PROFORMA – F(II) & PROFORMA – F(III)** along with their bid towards compliance of the above guidelines for participation in this tender. If the undertakings given by a bidder whose bid is accepted is found to be false, this would be a ground for debarment/action as per OIL's Banning Policy and further legal action in accordance with law.

10.0 SETTLEMENT OF DISPUTES:

10.1 **Arbitration (Applicable for Suppliers/Contractors other than PSU and MSME):** Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the contract or breach thereof which parties are unable to settle mutually, the same shall be referred to Arbitration as provided hereunder.

10.1.1 A party wishing to commence arbitration proceeding shall invoke Arbitration Clause by giving 30 days' notice to the other party. The notice invoking arbitration shall specify all the points of dispute with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter. If the claim is in foreign currency, the claimant shall indicate its value in Indian Rupee for the purpose of constitution of the arbitral tribunal.

10.1.2 It is agreed and undertaken by the Parties that irrespective of country of origin of the Contractor, the arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996 and under no circumstances, the proceedings shall be construed as International Arbitration.

10.1.3 The number of arbitrators and the appointing authority will be as under:

Claim amount (excluding claim for interest and counter claim, if any)	Number of Arbitrator	Appointing Authority
Upto Rs. 25.00 Lakh	Not applicable	Not applicable
Above Rs. 25.00 Lakh upto Rs. 25 Crore	Sole Arbitrator	OIL
Above Rs. 25 Crore	3 Arbitrators	One Arbitrator by each party and the 3rd Arbitrator, who shall be the presiding arbitrator, by the two Arbitrators.

10.1.4 The parties agree that they shall appoint only those persons as arbitrators who accept the conditions of the arbitration clause. No person shall be appointed as Arbitrator or Presiding Arbitrator who does not accept the conditions of the arbitration clause.

10.1.5 If any of the Arbitrators so appointed dies, resigns, becomes incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the concerned party/arbitrators to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall proceed de novo.

10.1.6 Parties agree and undertake that neither shall be entitled for any pre-reference or pendente-lite interest on its claims. Parties agree that any claim for such interest made by any party shall be void.

10.1.7 The arbitral tribunal shall complete the proceedings, make and publish the award within time stipulated in the Arbitration and Conciliation Act, 1996 (as amended).

10.1.8 If after commencement of the arbitration proceedings, the parties agree to settle the dispute mutually or refer the dispute to conciliation, the arbitrators shall put the proceedings in abeyance until such period as requested by the parties. Where the proceedings are put in abeyance or terminated on account of mutual settlement of dispute by the parties, the fees payable to the arbitrators shall be determined as under:

1. 20% of the fees if the claimant has not submitted statement of claim.
2. 40% of the fees if the pleadings are complete.
3. 60% of the fees if the hearing has commenced.

10.1.9 Each party shall be responsible to make arrangements for the travel and stay etc. of the arbitrator appointed by it. Claimant shall also be responsible for making arrangements for travel/stay arrangements of the Presiding Arbitrator and the expenses incurred shall be shared equally by the parties.

In case of sole arbitrator, both parties shall equally share all expenditures that may be required to be incurred.

10.1.10 The fees and other administrative/secretarial expenses of the arbitrator(s) shall not exceed the model fee as stipulated in Schedule of the Act and such expenses shall be equally borne by the parties.

10.1.11 The Place/Seat of Arbitration shall be Guwahati or the place where the contract is executed. The venue of the arbitration shall be decided by the Arbitrator(s) in discussion with the parties. The cost of arbitration sittings shall be equally borne by the parties.

10.1.12 The Arbitrator(s) shall give reasoned and speaking award and it shall be final and binding on the parties.

10.1.13 Subject to aforesaid, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof shall apply to the arbitration proceedings under this clause.

10.2 Arbitration (applicable in case of Contract awarded on Public Sector Enterprise):

10.2.1 In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract (s) between Central Public Sector Enterprises (CPSEs) and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in OPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018.

10.2.2 A party wishing to commence arbitration proceeding shall invoke Arbitration Clause and refer the dispute(s) to AMRCD with a copy to the other party. The notice invoking arbitration shall specify all the points of dispute with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter.

10.2.3 Upon such reference, the dispute shall be decided by the Competent Authority appointed under the AMRCD, whose decision shall bind the parties finally and conclusively. The parties in the dispute will share equally the cost of the arbitration as intimated by the Arbitrator.

10.3 Arbitration (Applicable to Micro, Small and Medium Enterprise)

10.3.1 In the event of any dispute or difference relating to, arising from or connected with the Contract, efforts shall be made to resolve the dispute(s) amicably by mutual consultation and in case such dispute(s) cannot be resolved through mutual consultation, then same shall be resolved through the procedure as prescribed in Section-18 of the Micro, Small and Medium Enterprises Development Act, 2006.

10.4 Resolution of disputes through conciliation by OEC

(Not Applicable in cases where value of dispute is less than Rs. 25 Lakhs and more than 2 Crore)

If any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the contract or breach thereof which parties are unable to settle mutually, Company at its discretion, on its own or on the request of the Contractor, may refer the dispute to Outside Expert Committee (OEC) to be constituted by Corporate Business Committee (CBC), OIL as provided hereunder –

10.4.1 The party desirous of resorting to conciliation shall send a notice of 30 (thirty) days to the other party of its intention of referring the dispute for resolution through OEC. The notice invoking conciliation shall specify all the points of disputes with details of the amount claimed to be referred to OEC and the party concerned shall not raise any new issue thereafter.

10.4.2 OIL shall nominate three outside experts, one each from Financial/commercial, Technical and Legal fields from the Panel of Outside Experts maintained by OIL who shall together be referred to as OEC (Outside Experts Committee).

10.4.3 Parties shall not claim any interest on claims/counterclaims from the date of notice invoking conciliation till execution of settlement agreement, if so, arrived at. In case, parties are unable to reach a settlement, no interest shall be claimed by either party for the period from the date of notice invoking conciliation till the date of OEC recommendations in any further proceeding.

10.4.4 The Proceedings of the OEC shall be broadly governed by Part III of the Arbitration and Conciliation Act, 1996 including any modifications thereof. Notwithstanding above, the proceedings shall be summary in nature and Parties agree to rely only upon documentary evidence in support of their claims and not to bring any oral evidence in the OEC proceedings.

- 10.4.5 OEC shall hear both the parties and recommend possible terms of settlement between the parties. The recommendations of OEC shall be non-binding and the parties may decide to accept or not to accept the same. Parties shall be at liberty to accept the OEC recommendation with any modification they may deem fit.
- 10.4.6 Where recommendations are acceptable to both the parties, a settlement agreement will be drawn up in terms of the OEC recommendations or with such modifications as may be agreed upon by the parties. The settlement agreement shall be signed by both the parties and authenticated by all the OEC members either in person or through circulation. This settlement agreement shall have the same legal status and effect as that of an arbitration award on agreed terms on the substance of the dispute rendered by an arbitral tribunal under Section 30 of the Arbitration and Conciliation Act, 1996.
- 10.4.7 OIL will share all other guidelines regarding reconciliation through OEC with the Contractor when it resorts to settlement through OEC. Both parties agree to adhere to these guidelines.
- 10.4.8 All the expenditure incurred in the OEC proceedings shall be shared by the parties in equal proportion. The parties shall maintain account of expenditure and present to the other for the purpose of sharing on conclusion of the OEC proceedings.
- 10.4.9 The OEC proceedings must be completed within a period of 3(three) months from the date of constitution of the OEC with a provision of extension of one months, subject to mutual agreement. The Place of OEC shall be either at New Delhi or Guwahati.
- 10.4.10 If the parties are not able to resolve the dispute through OEC or do not opt for conciliation through OEC, the party may invoke arbitration clause as provided in the contract.
- 10.4.11 The parties shall be represented by their in-house employees/executives. No party shall bring any advocate or outside consultant/advisor/agent. Ex-officers of OIL who have handled the matter in any capacity directly or indirectly shall not be allowed to attend and present the case before OEC on behalf of Contractor. However, ex-employees of parties may represent their respective organizations.
- 10.4.12 Solicitation or any attempt to bring influence of any kind on either OEC Members or OIL is completely prohibited in conciliation proceedings and OIL reserves the absolute right to close the conciliation proceedings at its sole discretion if it apprehends any kind of such attempt made by the Contractor or its representatives.

10.5 Exclusions

Parties agree that following matters shall not be referred to conciliation or arbitration:

- 10.5.1 Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to initiate any proceedings or suspension or debarment or banning or decision to suspend or to ban or to debar business dealings with the bidder/Contractor and/or with any other person involved or connected or dealing with bid/contract/bidder/Contractor.
- 10.5.2 Any claim, difference or dispute relating to, connected with or arising out of OIL's decision under the provision of Integrity Pact executed between OIL and the Bidder/Contractor.
- 10.5.3 Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to comply with any order or directive of any statutory or government authority.
- 10.5.4 Any claim which is less than Rs. 25 Lakh.

11.0 TAX COLLECTIBLE AT SOURCE (TCS):

Tax Collectible at Source (TCS) applicable under the Income-tax Law and charged by the SUPPLIER shall also be payable by OIL along with consideration for procurement of goods/materials/ equipment. If TCS is collected by the SUPPLIER, a TCS certificate in prescribed Form shall be issued by the SUPPLIER to OIL within the statutory time limit.

Payment towards applicable TCS u/s 206C (IH) of Income Tax Act, 1961 will be made to the supplier provided they are claiming it in their invoice and on submission of following undertaking along with the invoice stating that:

- a. TCS is applicable on supply of goods invoiced to OIL as turnover of the supplier in previous year was more than Rs. 10 Cr. And
- b. Total supply of goods to OIL in FY (As applicable) exceeds Rs. 50 Lakh and
- c. TCS as charged in the invoice has already been deposited (duly indicating the details such as challan No. and date) or would be deposited with Exchequer on or before the due date and
- d. TCS certificate as provided in the Income Tax Act will be issued to OIL in time.

However, Performance Security deposit will be released only after the TCS certificate for the amount of tax collected is provided to OIL. Supplier will extend the performance bank guarantee (PBG), wherever required, till the receipt of TCS certificate or else the same will be forfeited to the extent of amount of TCS, if all other conditions of Purchase order are fulfilled.

The above payment condition is applicable only for release of TCS amount charged by supplier u/s 206C (I H) of Income tax Act, 1961.

12.0 **CONCESSIONAL GST**

The items covered in this Tender shall be used by Oil India Limited in the PEL/ML areas and hence concessional **GST @12%** will be applicable as per Govt. Policy in vogue.

Note: Successful bidder shall arrange to provide all necessary documents (invoice etc.) to OIL for applying Essentiality Certificate on receipt of request from OIL or at least **45 days** prior to their readiness for despatch, whichever is earlier. Further, successful bidder shall affect dispatch only on receipt of relevant certificates/shipment clearance from OIL, failing which all related liabilities shall be to supplier's account.

13.0 **APPLICABILITY OF BANNING POLICY OF OIL INDIA LIMITED:**

OIL's Banning Policy, 2023 will be applicable against the tender (and order in case of award) to deal with any agency (bidder/contractor/supplier/ vendor/service provider) who commits deception, default, fraud or indulged in other misconduct of whatsoever nature in the tendering process and/or order execution processes.

The bidders who are on Holiday/Banning/Suspension list of OIL on due date of submission of bid/ during the process of evaluation of the bids, the offers of such bidders shall not be considered for bid opening/evaluation/award. If the bidding documents were issued inadvertently/downloaded from website, the offers submitted by such bidders shall also not be considered for bid opening/evaluation/ Award of Work.

- 13.1 The bidder shall fill up and submit proforma of declaration of Blacklisting/Holiday Listing (**PROFORMA – G**) along with the technical bid.

14.0 **PERFORMANCE SECURITY**

Successful bidder will be required to furnish a **Performance Bank Guarantee @5%** of the order value with validity as mentioned in the tender document. The Performance Security must be submitted exactly as per **PROFORMA – H**. Bidder must confirm the same in their Technical Bid.

The Bank Guarantee issued by the bank must be routed through SFMS platform as per the following details:

- (i) MT 760/MT 760 COV for issuance of bank guarantee.
- (ii) MT 760/MT 767 COV for amendment of bank guarantee.

[Order Number should reflect in the SFMS text under MT 760/MT 760 COV]

The above message/intimation shall be sent through SFMS by the BG issuing Bank branch to ICICI Bank, Duliajan Branch, IFSC Code- ICIC0000213, Branch Address.: ICICI Bank Ltd, Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam - 786602. The Bank details are as under:

Bank Details of Beneficiary	
Bank Name	ICICI BANK LTD.
Branch Name	DULIAJAN
Branch Address	KUNJA BHAVAN, DAILY BAZAAR, DULIAJAN, DIBRUGARH, ASSAM - 786602
IFSC Code	ICIC0000213
Unique identifier code (Field 7037)	OIL503988890
Company name	Oil India Limited

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

- 14.1 Performance Security shall be issued from any scheduled Indian Bank or any branch of an International Bank situated in India and registered with the Reserve Bank of India as scheduled foreign Bank in case of domestic suppliers.
- 14.2 Bank Guarantees issued by a Bank in India should be on non-judicial Stamp Paper/Frinking receipt of requisite value, as per Indian Stamp Act, purchased in the name of the Banker or the Seller.
- 14.3 Bank Guarantee with condition other than those mentioned in OIL's prescribed format shall not be accepted.
- 14.4 The Bank Guarantee issued by a Bank amongst others shall contain the complete address of the Bank including Phone Nos., Fax Nos., E-mail address, Code Nos. of the authorized signatory with full name and designation and Branch Code.
- 14.5 The Performance Security shall be payable to Purchaser as compensation for any breach or loss resulting from Supplier's failure to fulfil its obligations under the Purchase Order/Contract. In the event of such default on the part of Seller, the Performance Security shall be encashed unconditionally, and the proceeds thereof shall be forfeited without any further reference to the Seller. In such an eventuality, the Seller shall be liable to face penal actions including debarment as per OIL's Banning Policy, 2023.
- 14.6 The Performance Security shall be discharged by Purchaser not later than 30 days following its expiry after completion of obligations under the order/contract. In the event of any extension to the contractual validity or delay in supply/ execution or extension of Warranty Period of the Purchase Order/Contract, validity of the Performance Security shall be extended by the Seller/Contractor by the equivalent period.
- 14.7 The Performance Security shall not accrue any interest during its period of validity or extended validity. OIL shall not be liable to pay any bank charges, commission or interest on the amount of Performance Security.
- 14.8 Failure of the successful Bidder to comply with the requirements of above clauses shall constitute sufficient grounds for annulment of the award and forfeiture of their Bid Security or Performance Security. The defaulting party shall also be debarred from business as per OIL's Banning Policy, 2023.
- 14.9 In case, the Performance Security in the form of a Bank Guarantee is found to be not genuine or issued by a fake banker or issued under the fake signatures, the Purchase Order placed on the bidder shall be treated as cancelled forthwith and the bidder shall be banned from participating in future tenders in accordance with the provisions of Company's Banning Policy, 2023. Further, the Bid Security submitted by such bidder shall be invoked without any further reference, besides other penal action, as the Company may think appropriate.
- 14.10 In case Annual Maintenance Contract (AMC) is required and OIL intends to enter into a separate contract with the successful bidder for AMC, the Successful bidder must undertake to submit separate Performance Security against the AMC at the applicable rate & validity to be stipulated in the contract. (3% of annualized contract value valid for three months beyond entire execution period).
- 14.11 Performance Security if submitted in the form of fixed/term deposit; the following details must be provided in the form of declaration by the vendor/party for confirmation of Term deposit/Fixed Deposit from the issuing bank.
 1. Full address of the issuing bank
 2. Branch Code
 3. Authorized signatory with full name and designation
 4. Phone (Mobile) Numbers of the branch
 5. Email address of the branch
 6. Such fixed/term deposit must be pledged in favour of OIL and it must in the printed form on the physical original FDR in words "Pledged in favour of Oil India Limited"

Further, to avoid delay in confirmation of Fixed deposit from the issuing bank and consequent delay in processing of bills and payment, vendor/party may arrange the confirmation mail regarding issue of fixed

deposit with the following details directly from bank's official email id to OIL's following e-mail id (FD_PS@OILINDIA.IN):

FD NO.	Issue Date	Maturity Date	FD Amount	Beneficiary/ Contractor Name	Whether above FD is pledged in favour of 'Oil India Limited' (Yes/No)	FD amount pledged (in ₹) as per bank's books of accounts	Mode of FD Renewal (Auto Renewal/ Auto closure)	Remarks (if any) of the issuing Bank
A	B	C	D	E	F	G	H	I

15.0 **BID SECURITY:**

Bids must be accompanied by Bid Security for the amount as mentioned in the tender and shall be in the prescribed format (**PROFORMA – I**) as Bank Guarantee (BG) or Online payment. (*Refer GeM GTC for details*).

In case of the Bid Security is submitted in the form of Bank Guarantee, scanned copy of Bank Guarantee shall be uploaded by the bidder in the online bid and hard copy of the Bank Guarantee will have to be submitted directly to OIL within the Bid Closing (BC) date and time, failing which the bid may be treated as incomplete and may lead to rejection of the bid by OIL without making any reference to the bidder.

The Original Bid Security shall be submitted manually in sealed envelope **superscribed** with tender no., tendered item detail and due date to: **GM-MATERIALS, MATERIALS DEPARTMENT, KIND ATTENTION – M. B. SINGHA, CHIEF MANAGER MATERIALS, OIL INDIA LIMITED, DULIAJAN- 786602, ASSAM.**

In case of Online payment of Bid Security, bidder shall provide the Online transaction details in their online bid as proof of submission of Bid Security to OIL. The online payment of Bid Security amount should be received in OIL's bank account on or before the Bid closing date and time failing which the offer will be rejected outright without any further reference.

OIL's Bank account Details for Online submission of Bid Security	
Name	Oil India Limited
Bank	State Bank of India
Branch	Duliajan
Account Number	10494832599
Account Type	Current
IFSC Code	SBIN0002053

- 15.1 Bid Security shall be issued from any scheduled Indian Bank or any branch of an International Bank situated in India and registered with the Reserve Bank of India as scheduled foreign Bank in case of domestic suppliers.
- 15.2 Bank Guarantee issued by a scheduled Bank in India at the request of some other non-scheduled Bank in India shall not be accepted.
- 15.3 Bank Guarantees issued by a Bank in India should be on non-judicial Stamp Paper/Franking receipt of requisite value, as per Indian Stamp Act, purchased in the name of the Banker or the Seller.
- 15.4 Bank Guarantee with condition other than those mentioned in OIL's prescribed format shall not be accepted.
- 15.5 The Bank Guarantee issued by a Bank amongst others shall contain the complete address of the Bank including Phone Nos., Fax Nos., E-mail address, Code Nos. of the authorized signatory with full name and designation and Branch Code.
- 15.6 The bidders will extend the validity of the Bid Security, if and whenever specifically advised by OIL, at the bidder's cost.
- 15.7 The Bid Security shall not accrue any interest during its period of validity or extended validity. OIL shall not be liable to pay any bank charges, commission or interest on the amount of Bid Security.

15.8 In case, the Bid Security in the form of a Bank Guarantee is found to be not genuine or issued by a fake banker or issued under the fake signatures, the bid submitted by the concerned bidder shall be rejected and the bidder shall be banned from participating in future tenders in accordance with the provisions of OIL's Banning Policy. Further, the Bid Security submitted by such bidder shall be invoked without any further reference, besides other penal action, as OIL may think appropriate.

15.9 In case of Bank Guarantee, the Bank Guarantee issuing bank branch must ensure the following:

The Bank Guarantee issued by the bank must be routed through SFMS platform as per the following details:

- (i) MT 760/MT 760 COV for issuance of bank guarantee.
- (ii) MT 760/MT 767 COV for amendment of bank guarantee.

[Tender Number should reflect in the SFMS text under MT 760/MT 760 COV]

The above message/intimation shall be sent through SFMS by the BG issuing Bank branch to ICICI Bank, Duliajan Branch, IFSC Code- ICIC0000213, Branch Address: ICICI Bank Ltd, Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602. The Bank details are as under:

Bank Details of Beneficiary	
Bank Name	ICICI BANK LTD.
Branch Name	DULIAJAN
Branch Address	KUNJA BHAVAN, DAILY BAZAAR, DULIAJAN, DIBRUGARH, ASSAM – 786602
IFSC Code	ICIC0000213
Unique identifier code (Field 7037)	OIL503988890
Company name	Oil India Limited

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

15.10 The Bid Security of the unsuccessful bidders will be returned after finalization of tender whereas the Bid Security of the successful bidder will be discharged on such bidder's furnishing the Performance Security to OIL against the Purchase Order secured by the bidder within the stipulated time frame. The successful bidder will, however, extend validity of the Bid Security till such time the Performance Security is furnished.

15.11 For timely return of Bid Security, bidders shall submit following details alongwith their technical bid.

- For Bank Guarantee((BG): Name, Email id, Phone number and Address where the Bid Security is to be returned by Courier.
- Online payment: Name, Email id, Phone number and Bank details (Bank Name, Branch Name, Branch Address, IFSC Code, Unique identifier code, Company name) where the Bid Security amount shall be returned by Online transfer.

In case of non-submission of above details, return of Bid Security may be delayed.

****NOTE TO PARA 14.0 AND 15.0 ABOVE:**

Submission of Bid Security and Performance Security in the form of Electronic Bank Guarantee (e-BG)

Oil India Ltd. has now adopted Electronic Bank Guarantee (e-BG) for Bid Security and Performance Security in addition to the existing provisions. Electronic Bank Guarantee (e-BG) is a digitally signed BG issued by banks which is transmitted directly from banks to beneficiaries in electronic form through a platform provided by National E-Governance Services Limited (NeSL).

Submission of Bid Security/Performance Security, as applicable, in the form of Electronic Bank Guarantee (e-BG) is also acceptable:

Sl. No.	Bank name	Sl. No.	Bank name
1	AU Small Finance Bank	12	IDFC First Bank
2	Axis Bank	13	Indian Bank
3	Bank of Baroda	14	Indian Overseas Bank
4	Bank of India	15	IndusInd Bank

Sl. No.	Bank name	Sl. No.	Bank name
5	Canara Bank	16	Karur Vysya Bank
6	City Union Bank	17	Kotak Mahindra Bank
7	Federal Bank	18	Punjab National Bank
8	HDFC Bank	19	RBL Bank
9	HSBC Bank	20	State Bank of India
10	ICICI Bank	21	South Indian Bank
11	IDBI Bank	22	Yes Bank

Beneficiary details for issue of e-BG are:

Sl. No.	Particulars	Details
1	Name	Oil India Limited
2	PAN	AAACO2352C
3	Date of Incorporation	18-02-1959
4	Email ID	
5	Mobile No.	
6	Local Address	
7	Registered Address	Duliaian, Dibrugarh, Assam-786602

16.0 FINANCING OF TRADE RECEIVABLES OF MICRO AND SMALL ENTERPRISES (MSEs) THROUGH TRADE RECEIVABLES DISCOUNTING SYSTEM (TREDS) PLATFORM.

Based on the initiatives of Government of India to help MSE vendors get immediate access to liquid fund based on Buyers credit rating by discounting, OIL has registered itself on TReDS platform with M/s RXIL and M/s A TReDS Ltd. (Invoice Mart). MSE vendors can avail this benefit by registering themselves with any of the exchanges providing e-discounting/electronic factoring services on TReDS platform and following the procedures defined therein, provided OIL is also participating in such TReDS Platform as a Buyer.

- i) MSE Vendor should be aware that all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting Charges, Interest on financing, or any other charges known by any name shall be borne by MSE Vendor.
- ii) MSE Vendor hereby agrees to indemnify, hold harmless and keep OIL and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TReDS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.
- iii) OIL shall not be liable for any special, indirect, punitive, incidental, or consequential damages or any damages whatsoever (including but not limited to damages for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.

Note:

- (i) Buyer means OIL who has placed Purchase Order/ Contract on a MSE Vendor (Seller).
- (ii) Seller means a MSE vendor, who has been awarded Purchase Order/ Contract by OIL (Buyer).

17.0 UNLOADING FOR BULKY/HEAVY ITEMS:

All the Goods in the GeM shall be offered on Free Delivery at Site basis including unloading. **HOWEVER, OIL SHALL PROVIDE CRANE FOR UNLOADING OF BULKY/HEAVY ITEMS ONLY.** Supplier shall depute adequate crew, who has experience of unloading of such items at Destination (Duliajan) with necessary safety gears i.e. helmet, safety boots, hand gloves etc. at unloading point.

The safety of the crew deputed by the supplier shall entirely be the responsibility of supplier and therefore they shall take all necessary measures/precautions to ensure that no injuries occur to personnel or property. Supplier must ensure that the crew involved for unloading are properly trained on the procedures and aware of the potential hazards while handling the items.

18.0 UNLOADING OF TUBULARS:

All the Goods in the GeM shall be offered on Free Delivery at Site basis including unloading. **HOWEVER, OIL SHALL PROVIDE CRANE FOR UNLOADING OF TUBULARS ONLY.** Supplier shall depute adequate crew, who has experience of unloading of tubulars, at Destination (Duliajan) with necessary safety gears i.e.

helmet, safety boots, hand gloves etc. at unloading point. **THE ONLY RESPONSIBILITY OF THE CREW TO BE DEPUTED BY THE SUPPLIER IS TO FASTEN/FIX CRANE'S HOOK SLING TO BUNDLES ON THE LOADED VEHICLE.** Once the hook sling is securely fastened complying to the safety instructions, OIL's Crane shall lift and unload tubulars from the vehicle. Following points are to be noted and complied in this connection:

- (a) Supplier to ensure that height of the loaded tubular is below the cabin height of the vehicle for safe off-loading.
- (b) Supplier to ensure that tubular bundles are securely fastened by very strong material to withstand the rigors of road transportation and capable of lifting by Crane. In the case tubular bundles are found loosened and/or tubulars found completely resting on the side support/bales of vehicle in way that it may free fall upon unshackling, OIL will not unload such vehicle due to safety reasons.

The safety of the crew deputed by the supplier shall entirely be the responsibility of supplier and therefore they shall take all necessary measures/precautions to ensure that no injuries occur to personnel or property. Supplier must ensure that the crew involved for unloading are properly trained on the procedures and aware of the potential hazards while handling tubulars.

19.0 UNLOADING OF CONSIGNMENT RECEIVED THROUGH RAIL:

Unloading of consignment from Railway Wagons at Destination (**Duliajan**) shall be completely in OIL's scope.

20.0 QUANTITY TOLERANCE FOR TUBULARS:

Bidders should note that, in the event of order, quantity tolerance of +0%/-2% of order quantity will be applicable, if otherwise mentioned elsewhere in this document.

21.0 SET-OFF:

Any sum of money due and payable to the Seller (including Security Deposit refundable to them) under any purchase order 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 a sum of money arising out of any other purchase order made by the Seller with Oil India Limited (or such other person or persons contracting through Oil India Limited).

22.0 FURNISHING FRAUDULENT INFORMATION/ DOCUMENT:

If it is found that a Bidder has furnished fraudulent document/information, the Bid Security/ Performance Security shall be forfeited and the party will be debarred for a period of 3(three) years from date of detection of such fraudulent act, besides the legal action. In case of major and serious fraud, period of debarment may be enhanced. In this regard, bidders are requested to submit an Undertaking as per **PROFORMA - J** along with their offer failing which their offer shall be liable for rejection.

23.0 MODIFICATION/AMENDMENT OF TENDER DOCUMENT: At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the tender Documents through issuance of Corrigendum(s)/Addendum(s). Bidders are expected to take the Corrigendum(s)/ Addendum(s) into account in preparation and submission of their bid. No separate intimation for Corrigendum(s)/ Addendum(s) published by OIL shall be sent to the Bidders.

24.0 GENERAL CONDITIONS OF CONTRACT FOR SERVICES (~~ANNEXURE – VII~~) *Not Applicable*

General Conditions of Contract FOR SERVICES (GCC - SERVICES) shall be applicable for all services to be rendered including AMC (as and when entered into).

25.0 SIGNING OF BIDS:

25.1 Bids are to be submitted online in GeM portal. The bid including all uploaded documents shall be signed by duly authorized representative of the bidder holding a Power of Attorney to bind the Bidder to the contract. The letter of authorisation (**PROFORMA-K**) shall be indicated by written Power of Attorney accompanying the Bid.

26.0 BIDDERS FINANCIAL STANDING:

The bidder should not be under liquidation, court receivership or similar proceedings and should not be bankrupt. Bidder to upload undertaking (**PROFORMA-L**) to this effect with bid.

27.0 GENERAL HEALTH, SAFETY & ENVIRONMENT (HSE) GUIDELINES:

- 27.1 It will be solely the Supplier's responsibility to fulfil all the legal formalities with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all sub-contractors, if any, hired by Supplier comply with the same requirement as the Supplier himself and shall be liable for ensuring compliance all HSE laws.
- 27.2 It will be entirely the responsibility of the Supplier/his Supervisor/ representative to ensure strict adherence to all HSE measures and statutory rules during operation in OIL's installations and safety of workers engaged by him. The crew members will not refuse to follow any instruction given by company's Installation Manager/Safety Officer/Engineer/Official/Supervisor/ Junior Engineer for safe operation.
- 27.3 Any compensation arising out of the job carried out by the Supplier whether related to pollution, Safety or Health will be paid by the Supplier only.
- 27.4 Any compensation arising due to accident of the Supplier's personnel while carrying out the job, will be payable by the Supplier.
- 27.5 When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE Measures, Company shall have the right to direct the Supplier to cease work until the non-compliance is corrected.

28.0 DOCUMENTATION (FOR DOMESTIC/INDIGENOUS SUPPLIERS):

- 28.1 Preparation and submission of proper documents by Seller is one of the very important requirements. The Seller must strictly follow the instructions.
- 28.2 Seller shall ensure that all the documents have clear reference of OIL's Purchase Order number.
- 28.3 Seller shall forward the documents, as mentioned below, by courier service immediately after the dispatch is made:

1. WHERE PAYMENT AGAINST DIRECT SUBMISSION OF DESPATCH DOCUMENTS TO COMPANY:

A)	General Manager (A/P), Finance & Accounts Department Oil India Limited, Duliajan, PIN - 786602	i) Bill in original + one copy. ii) Copy of the C-Note/RR. iii) Copy of Mill Inspection Certificate, if any. iv) Copy of Third-Party Inspection Certificate, if any. v) Copy of Delivery Challan. vi) Copy of TPI Declaration vii) Copy of Tax Invoice. viii) Copy of packing list. ix) Documentary evidence of payment of Customs Duty, if any.
B)	DGM - Materials (Receiving), Materials Department Oil India Limited, Duliajan, PIN - 786602	i) Clear Consignee copy of RR/C-Note-Original+1 copy. ii) Copy of Tax Invoice. iii) Delivery Challan (Original). iv) Packing list (Original). v) Mill inspection certificate, if any (Original). vi) Copy of Third-Party Inspection certificate, if any. vii) Copy of TPI Declaration viii) Warranty Certificate (Original)
C)	Chief Manager Materials (FP) Materials Department Oil India Limited, Duliajan, PIN - 786602	One set consisting copies of all the documents as mentioned in (B) above.

Note: Where payment is after receipt and acceptance of materials i.e. after CRAC, the complete set of documents meant for General Manager (A/P) as indicated in(A) above should be submitted to Dy. General Manager Materials (Receiving).

PROFORMA – A

FORMAT FOR CERTIFICATE OF COMPLIANCE OF FINANCIAL CRITERIA
(ON THE OFFICIAL PAD OF THE BIDDER TO BE EXECUTED BY THE AUTHORIZED SIGNATORY OF THE BIDDER)

Ref: Clause No. A.2 (3.0) - Financial Criteria of the BEC

Tender No.: _____

I the authorized signatory(s) of.....(Company or firm name of address) do hereby affirm and declare as under:-

The balance sheet/Financial Statements for the financial year _____ (as the case may be) has actually not been audited as on the Original Bid closing Date.

Place :.....

Date :.....

Signature of the authorized signatory

Note: *This certificate are to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date.*

PROFORMA – B

CERTIFICATE OF ANNUAL TURNOVER & NETWORTH

TO BE ISSUED BY PRACTISING CHARTERED ACCOUNTANTS' FIRM ON THEIR LETTER HEAD

TO WHOM IT MAY CONCERN

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

YEAR	TURNOVER In INR (Rs.) Crores/ USD Million*	NET WORTH In INR (Rs.) Crores / USD Million*

*Rate of conversion (if used any): USD 1.00 = INR

Place:

Date:

Seal:

Membership No.:

Registration Code:

Signature:

****Applicable for Global Tenders.***

NOTE: As per the guidelines of ICAI, every practicing CA is required to mention Unique Document Identification Number (UDIN) against each certification work done by them. Documents certified by CA without UDIN shall not be acceptable.

PROFORMA – C

PARENT/ ULTIMATE PARENT/ HOLDING COMPANY'S CORPORATE GUARANTEE TOWARDS FINANCIAL STANDING
(Delete whichever not applicable)
(TO BE EXECUTED ON COMPANY'S LETTER HEAD)

DEED OF GUARANTEE

THIS DEED OF GUARANTEE executed at this day of by M/s(mention complete name) a company duly organized and existing under the laws of (insert jurisdiction/country), having its Registered Office at.....herein after called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their Tender No..... for.....and M/s.....(Bidder) intends to bid against the said tender and desires to have Financial support of M/s..... [Parent / Ultimate Parent/Holding Company(Delete whichever not applicable)] and whereas Parent/Ultimate Parent/Holding Company(Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the Financial support as required by the bidder for qualifying and successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed by the Guarantor to give this Guarantee and undertakes as follows:

1. The Guarantor confirms that the Bidder is a 100% subsidiary of the Guarantor.
2. The Guarantor agrees and confirms to provide the Audited Annual Reports of any of the preceding 03(three) financial/accounting years reckoned from the original bid closing date.
3. The Guarantor have an annual financial turnover of minimum INR..... Cr or USD during any of the preceding 03(three) financial/ accounting years reckoned from the original bid closing date.
4. Net worth of the Guarantor is positive for preceding financial/ accounting year.
5. The Guarantor undertakes to provide financial support to the Bidder for executing the project/job, in case the same is awarded to the Bidder.
6. The Guarantor represents that:
 - (a) this Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.
 - (b) the liability of the Guarantor, under the Guarantee, is limited to the 100% of the order value between the Bidder and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Bidder.
 - (c) this Guarantee has been issued after due observance of the appropriate laws in force in India.
 - (d) this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of New Delhi, India.
 - (e) this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
 - (f) the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

for and on behalf of (Parent/Ultimate Parent/ Holding Company) (Delete whichever not applicable) <u>Witness:</u> 1. 2.	for and on behalf of (Bidder) <u>Witness:</u> 1. 2.
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PROFORMA – D

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
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 Organization "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:
- (i) 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.
 - (ii) 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.
 - (iii) 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 substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officers 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.
- (i) 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 he/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.
 - (ii) 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 cartelization in the bidding process.

- (iii) The Bidder (s) / Contractor (s) will not commit any offence under the relevant Anticorruption Laws of India, further, the Bidder (s) / Contractor (s) 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.
 - (iv) 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.
 - (v) Bidders to disclose any transgressions with any other company that may impinge on the anti-corruption principle.
 - (vi) The Bidder (s)/ Contractor (s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder (s)/ Contractor (s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, all the payments made to the Indian agent/ representative have to be in India Rupees only.
 - (vii) Bidders not to pass any information provided by Principal as part of business relationship to others and not to commit any offence under PC/ IPC Act;
- (2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- (3) The Bidder/Contractor signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

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.
4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.
5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties till the final completion of the contract **or as mentioned in Section 9- Pact Duration whichever is later**. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings. Any issue relating to execution of contract, if specifically raised before the IEMs shall be looked into by IEMs.

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 Earnest Money Deposit / Bid Security.
- (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 Security Deposit / Performance Bank Guarantee.
- (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 Principal will enter into Pacts on identical terms with all bidders and contractors.
- (2) The Bidder / Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.
- (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

- (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. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.

- (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. However, the Independent External Monitor shall give an opportunity to the bidder / contractor to present its case before making its recommendations to the Principal.
- (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.
- (9) In case of any complaints referred under IP Program, the role of IEMs is advisory and would not be legally binding and it is restricted to resolving the issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidder.

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. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.
- (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 / Bidder is a Joint Venture or a partnership concern or a consortium, this agreement must be signed by all partners or consortium members. In case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor and all sub-contractors shall also sign the IP.
- (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 intentions.
- (5) Issues like warranty / guarantee, etc. shall be outside the purview of IEMs.

<p>M. B. SINGHA For the Principal</p> <p>Date: 03.05.2024 Place: Duliajan</p>	<p>..... For the Bidder/Contractor</p> <p>Witness 1: Witness 2:</p>
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PROFORMA – E

UNDERTAKING FOR LOCAL CONTENT
(To be submitted in the letter head of the bidder)

We, _____ (Name of the bidder) have submitted Bid against Tender No. _____ dated _____ of Oil India Limited. We hereby undertake that we meet the mandatory minimum local content requirement as per the provision of Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India as revised vide Order No. P45021/2/2017-PP (BE-II) dated 16th September 2020 (and as amended time to time) with modifications as notified vide MoP&NG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022. The percentage of Local Content in the bid is _____ %.

For and on behalf of _____

Authorized signatory _____

Name _____

Designation _____

Contact No. _____

NOTE: *In cases of procurement **for a value in excess of Rs. 10 crores**, the 'Class-I local supplier'/ 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.*

PROFORMA – F(I)

**UNDERTAKING TOWARDS COMPLIANCE OF PROVISIONS FOR RESTRICTIONS ON PROCUREMENT FROM A BIDDER
OF A COUNTRY WHICH SHARES LAND BORDER WITH INDIA**

(To be typed on the letter head of the bidder)

Ref. No _____

Date: _____

Tender No. _____ Date: _____

**OIL INDIA LIMITED
MATERIALS DEPARTMENT,
DULIAJAN, ASSAM, INDIA**

Dear Sirs,

We, M/s _____, have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; we certify that we are not from such a country/or if from such a country, have been registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and are eligible to be considered. *[wherever applicable, evidence of valid registration by the Competent Authority shall be attached]*

Yours faithfully,
For (type name of the firm here)

Signature of Authorised Signatory
Name:
Designation:
Phone No.
Place:
Date:
(Affix Seal of the Organization here, if applicable)

PROFORMA – F(II)

UNDERTAKING FOR WORKS INVOLVING POSSIBILITY OF SUB-CONTRACTING

(To be typed on the letter head of the bidder)

Ref. No _____

Date: _____

Tender No. _____ Date: _____

**OIL INDIA LIMITED
MATERIALS DEPARTMENT,
DULIAJAN, ASSAM, INDIA**

Dear Sirs,

We, M/s _____, have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such-countries, we certify that we are not from such a country/or if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and is eligible to be considered. *[wherever applicable, evidence of valid registration by the Competent Authority shall be attached]*

Yours faithfully,
For (type name of the firm here)

Signature of Authorized Signatory
Name:
Designation:
Phone No.
Place:
Date:
(Affix Seal of the Organization here, if applicable)

PROFORMA – F(III)

ADDITIONAL UNDERTAKING BY BIDDER IN CASES OF SPECIFIED TRANSFER OF TECHNOLOGY

(To be typed on the letter head of the bidder)

Ref. No _____

Date: _____

Tender No. _____ Date: _____

**OIL INDIA LIMITED
MATERIALS DEPARTMENT,
DULIAJAN, ASSAM, INDIA**

We, M/s _____, have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. We certify that we do not have any ToT arrangement requiring registration with the competent authority.

OR

We, M/s _____, have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. We certify that we have valid registration to participate in this procurement. *[Evidence of valid registration by the Competent Authority shall be attached]*

Yours faithfully,
For (type name of the firm here)

Signature of Authorised Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

PROFROMA – G

PROFORMA OF DECLARATION OF BLACKLISTING / HOLIDAY LISTING

TO,

**GM- MATERIALS
MATERIALS DEPARTMENT
P.O. DULIAJAN, PIN-786602
DIST. DIBRUGARH, ASSAM, INDIA**

Dear Sir,

Sub: OIL's Tender No. _____

We hereby declare that we are presently neither placed on any holiday list or blacklist declared by Oil India Limited, nor any inquiry is pending by Oil India Limited in respect of corrupt or fraudulent practice.

It is understood that if this declaration is found to be false in any particular, Oil India Limited shall have the right to reject my/our bid, and if the bid has resulted in a contract, the contract is liable to be terminated without prejudice to any other right or remedy (include blacklisting or holiday listing) available to Oil India Limited.

For and on behalf of _____
Authorized signatory _____
Name _____
Designation _____
Contact No. _____

PROFORMA – H

FORMATFORPERFORMANCEBANKGUARANTEE

To,
GENERAL MANAGER – MATERIALS (HOD)
OIL INDIA LIMITED, MATERIALS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN – 786602

WHEREAS.....(Name and address of Contractor)
(hereinafter called “Contractor”) had undertaken, in pursuance of Contact No..... to
execute (Name of Contract and Brief Description of the Work)
(hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank
Guarantee as security for compliance with Contractor’s obligations in accordance with the Contract.

AND WHEREAS we (May incorporate the Bank Name) have agreed to give the Contractor such a Bank Guarantee; NOW
THEREFORE we hereby affirm that we are Guarantors on behalf of the Contractor, up to a total of (Amount of Guarantee
in figures)..... (in words), such
amount being payable in the types and proportions of currencies in which the Contract price is payable, and we
undertake to pay you, upon your first written demand and without cavil or arguments, any sum or sums within the limits
of guarantee sum as aforesaid without your needing to prove or to show grounds or reasons for your demand for the
sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before
presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or the work to be
performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in
any way cease us from any liability under this guarantee, and we hereby waive notice of such change, addition or
modification.

This guarantee is valid until theday of.....

The details of the Issuing Bank and Controlling Bank are as under:

- A. Issuing Bank:
BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHONE NO:
IFSC CODE OF THE BANK:

- B. Controlling Office:
Address of the Controlling Office of the BG issuing Bank:
Name of the Contract Person at the Controlling Office with Mobile No. and e-mail address:

Notwithstanding anything contained herein:

- (a) Our liability under this Bank Guarantee shall is restricted up to Rs.....
- (b) This guarantee shall be valid till
- (c) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you
serve upon us a written claim or demand on or before(Date of Expiry of BG PLUS
one year claim period).
- (d) At the end of the claim period that is on or after.....(Date of expiry
of.....the Bank Guarantee Plus Minimum of 1 year claim period shall be stipulated) all
your rights under this Guarantee shall stand extinguished and we shall be discharged from all our liabilities
under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS.....
Designation:.....
Name of the Bank:.....
Address:.....

UNDERTAKING BY VENDOR ON SUBMISSION OF BANK GUARANTEE

To,

Oil India Limited,
Materials Department,
Duliajan, Assam - 786602

We, M/s..... are submitting the Bid Security/Performance Security (strike out whichever not applicable) in favour of Oil India Limited, Duliajan in the form of bank guarantee bearing Reference No.....for an amount of INR.....valid up to as per terms and conditions of Tender / Contract No.....

BG issuing bank details:

Bank:	
Branch:	
IFS Code:	
Contact Details	Mobile No.: Telephone
E-mail Addresses:	No.: Fax No.:
Correspondence Address	State: Country:
H No./Street/City:	Pin Code:

Declaration:

We have arranged to send the confirmation of issuance of the bank guarantee via SFMS portal through our bank using the details mentioned in the tender and hereby confirming the correctness of the details mentioned.

Authorized Signature: _____

Name: _____

Vendor Code: _____

Email ID: _____

Mobile No.: _____

Enclosure: Original bank guarantee

PROFORMA - I

BID SECURITY FORM

To:
M/s. OIL INDIA LIMITED,
MATERIALS DEPARTMENT

Whereas.....(hereinafter called 'the Bidder') has submitted their Bid No. dated..... against OIL INDIA LIMITED, DULIAJAN, ASSAM, INDIA (hereinafter called the Purchaser) 's Tender No.for the supply of (hereinafter called 'the Bid')KNOW ALL MEN by these presents.

That weofhaving our registered office at (hereinafter called 'the Bank') are bound unto the Purchaser, in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents.

Sealed with the said Bank thisday of

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws their Bid during the period of Bid validity specified by the Bidder,
or
2. If the Bidder, having been notified of the acceptance of their bid by the Purchaser during the period of bid validity:
 - a) fails or refuses to accept the order; or
 - b) fails or refuses to furnish the performance securityor
3. If the Bidder furnishes fraudulent document/information in their bid.

We undertake to pay to the Purchaser up to the above amount upon receipt of their first written demand (by way of letter /fax/Email) without the Purchaser having to substantiate their demand, provided that in their demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of any of the conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including (Bidder to indicate specific date as mentioned in the tender), and any demand in respect thereof should reach the Bank not later than the above date.

The details of the Issuing Bank and Controlling Bank are as under:

A. Issuing Bank:

BANK FAX NO:
BANK EMAIL ID:
BANK TELEPHONE NO.:
IFSC CODE OF THE BANK:

B. Controlling Office:

Address of the Controlling Office of the BG issuing Bank:
Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

Notwithstanding anything contained herein:

- a) Our liability under this Bank Guarantee shall be restricted up to Rs
- b) This guarantee shall be valid till
- c) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before (Date of Expiry of BG PLUS one year claim period).
- d) At the end of the claim period that is on or after (Date of expiry of the Bank Guarantee Plus Minimum of 1 year claim period shall be stipulated) all your rights under this Guarantee shall stand extinguished and we shall be discharged from all our liabilities under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

Name of the Contact Person at the Controlling Office with Mobile No. and e-mail address:

SIGNATURE AND SEAL OF THE GUARANTORS _____

Designation: _____

Name of Bank: _____

Address: _____

Date: _____

Place: _____

PROFORMA - J

**FORMAT OF UNDERTAKING BY BIDDERS TOWARDS SUBMISSION
OF AUTHENTIC INFORMATION/DOCUMENTS**

(To be typed on the letter head of the bidder)

Ref. No _____

Date _____

To,

**General Manager (Materials)
Materials Department
Oil India Limited, Duliajan**

Sub: Undertaking of authenticity of information/documents submitted

Ref: Your tender No. _____ Dated _____

Sir,

With reference to our quotation no. dated..... against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,
For (type name of the firm here)

Signature of Authorised Signatory

Name:
Designation:
Phone No.
Place:
Date:

(Affix Seal of the Organization here, if applicable)

PROFORMA – K

LETTER OF AUTHORITY

TO,

**GM- MATERIALS
MATERIALS DEPARTMENT
P.O. DULIAJAN, PIN-786602
DIST. DIBRUGARH, ASSAM, INDIA**

Dear Sir,

Sub: OIL's Tender No. _____

We _____ of _____
confirm that Mr. _____ (Name and address) is
authorised to represent us to Bid, negotiate and conclude the agreement on our behalf with you against OIL's
Tender No. _____ for any commercial /Legal purpose etc.

We confirm that we shall be bound by all and whatsoever our said representative shall commit.

Authorised Person's Signature: _____

Name: _____

Designation: _____

Yours faithfully,

Signature: _____

Name & Designation: _____

For & on behalf of: _____

Note: *This letter of authority shall be on printed letter head of the Bidder and shall be signed by a person competent and having the power of attorney (power of attorney shall be annexed) to bind such Bidder.*

PROFORMA – L

UNDERTAKING FOR BIDDERS FINANCIAL STANDING

**TO,
GM- MATERIALS
MATERIALS DEPARTMENT
P.O. DULIAJAN, PIN-786602
DIST. DIBRUGARH, ASSAM, INDIA**

Dear Sir,

Sub: OIL's Tender No. _____

We, _____ (Name of the bidder) have submitted Bid against Tender No. _____ dated _____ of Oil India Limited. We hereby undertake that we are not under liquidation, court receivership or similar proceedings and we are not bankrupt.

For and on behalf of _____
Authorized signatory _____
Name _____
Designation _____
Contact No. _____

PROFORMA – M

EXCEPTION / DEVIATION PROFORMA

Oil India Limited expects the bidders to fully accept the terms and conditions of the bidding documents. However, should the bidder experience some exception and deviations to the terms of the bidding documents, the same should be indicated here and put in unpriced bid. In order to be considered responsive, Bidder's offer must specifically include the following statement:

(a) We certify that our offer complies with all NIT requirements and specifications without any deviations.

Or

(b) We certify that our offer complies with all NIT requirements and specifications with the following deviations:

Clause No. of Bidding Document	Full compliance/ not agreed	Exception/ deviations taken by the Bidders	Remarks

Signature of the Bidder: _____

Name: _____

Seal of the company

PROFORMA – N

PROFORMA OF AUTHORISATION LETTER FOR ATTENDING TENDER OPENING

Ref No. Date:

**TO,
GM- MATERIALS
MATERIALS DEPARTMENT
P.O. DULIAJAN, PIN-786602
DIST. DIBRUGARH, ASSAM, INDIA**

Dear Sir,

Sub: OIL's Tender No. _____

I/We _____ confirm that Mr. _____ (Name and address) is authorized to represent us during bid opening on our behalf against Tender No. _____

Yours Faithfully,

Authorised Person's Signature: _____
Name: _____
Signature of Bidder: _____
Name: _____
Date: _____

Note: This letter of authority shall be on printed letter head of the Bidder and shall be signed by a person who signs the bid.

ANNEXURE – V

BID EVALUATION MATRIX (TECHNICAL SPECIFICATION)

**BID EVALUATION MATRIX (TECHNICAL)
(TO BE FILLED IN BY BIDDER DULY SIGNED)**

TECHNICAL SPECIFICATIONS

Clause No.	Description	BIDDER'S RESPONSE (Complied / Not Complied/Deviation / Not Applicable)	TO BE FILLED BY THE BIDDER Relevant Location of their Bid to support the remarks/compliance (Reference of Document name / Serial number / Page number of bid for documentary evidence)
I.	PREAMBLE		
1.0	<p>Oil India Limited (OIL), intends to install 'Gas Detection System (GDS)' for its Gas Compressor Stations namely Bhogpara, Bhekulajan, Balimara, Barekuri, Baghjan, Chabua HJC, Kumchai, Hebeda and Hatiali. The proposed Gas Detection System shall be installed in these installations and the Control Panel shall be placed at the operator's room/control room. The system shall be equipped with provision to interface with the existing SCADA RTU/ PLC via Modbus Protocol [RS-485].</p> <p>Main objective of the Gas Detection System (GDS) shall be to detect hydrocarbon gas concentrations in these Gas Compressor Stations and initiate alarm or shutdown system as the case may be, at pre-defined levels to prevent any hazardous events and act as independent safety layers for mitigation of consequences to achieve overall process safety requirements of the plant. Gas Detection system shall be designed to perform its function during normal, abnormal and design basis conditions.</p> <p>This Tender has been floated for procurement of Gas detection System with Programmable Electronic System that shall meet safety standard of SIL-2 and other technical specifications as given in this tender document. Bidder to offer suitable technical solutions to meet OIL's requirement and quote accordingly.</p>		

2.0	List of locations where the Online Gas Detection Systems are to be installed -																																
<table border="1"> <thead> <tr> <th data-bbox="241 188 315 256">S/N</th> <th data-bbox="315 188 853 256">Locations/Installation</th> <th data-bbox="853 188 999 256">Quantity (No.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="241 256 315 292">1</td> <td data-bbox="315 256 853 292">Online Gas Monitoring System at Bhogpara</td> <td data-bbox="853 256 999 292">1</td> </tr> <tr> <td data-bbox="241 292 315 327">2</td> <td data-bbox="315 292 853 327">Online Gas Monitoring System at Bhekulajan</td> <td data-bbox="853 292 999 327">1</td> </tr> <tr> <td data-bbox="241 327 315 362">3</td> <td data-bbox="315 327 853 362">Online Gas Monitoring System at Balimara</td> <td data-bbox="853 327 999 362">1</td> </tr> <tr> <td data-bbox="241 362 315 397">4</td> <td data-bbox="315 362 853 397">Online Gas Monitoring System at Barekuri</td> <td data-bbox="853 362 999 397">1</td> </tr> <tr> <td data-bbox="241 397 315 432">5</td> <td data-bbox="315 397 853 432">Online Gas Monitoring System at Baghjan</td> <td data-bbox="853 397 999 432">1</td> </tr> <tr> <td data-bbox="241 432 315 467">6</td> <td data-bbox="315 432 853 467">Online Gas Monitoring System at Chabua HJC</td> <td data-bbox="853 432 999 467">1</td> </tr> <tr> <td data-bbox="241 467 315 502">7</td> <td data-bbox="315 467 853 502">Online Gas Monitoring System at Kumchai</td> <td data-bbox="853 467 999 502">1</td> </tr> <tr> <td data-bbox="241 502 315 537">8</td> <td data-bbox="315 502 853 537">Online Gas Monitoring System at Hebeda</td> <td data-bbox="853 502 999 537">1</td> </tr> <tr> <td data-bbox="241 537 315 563">9</td> <td data-bbox="315 537 853 563">Online Gas Monitoring System at Hatiali</td> <td data-bbox="853 537 999 563">1</td> </tr> </tbody> </table>				S/N	Locations/Installation	Quantity (No.)	1	Online Gas Monitoring System at Bhogpara	1	2	Online Gas Monitoring System at Bhekulajan	1	3	Online Gas Monitoring System at Balimara	1	4	Online Gas Monitoring System at Barekuri	1	5	Online Gas Monitoring System at Baghjan	1	6	Online Gas Monitoring System at Chabua HJC	1	7	Online Gas Monitoring System at Kumchai	1	8	Online Gas Monitoring System at Hebeda	1	9	Online Gas Monitoring System at Hatiali	1
S/N	Locations/Installation	Quantity (No.)																															
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7	Online Gas Monitoring System at Kumchai	1																															
8	Online Gas Monitoring System at Hebeda	1																															
9	Online Gas Monitoring System at Hatiali	1																															
II	SCOPE OF SUPPLY/ SERVICES : Gas Detection System shall be designed and supplied on the basis of following detailed Scope of Work:																																
1.0	Type of Gas Detectors/Sensors:																																
1.1	IR based integrated (sensor cum transmitter) point type Gas Detectors for measurement, signal transmission.																																
1.2	Location of the gas detectors to be installed in the facility to cover the gas compressor area and vessels.																																
2.0	Control System & System Description																																
2.1	Control system of the Gas Detection shall be SIL-2 certified; configuration shall be based on programmable system design to meet above compliance.																																
2.2	The control system shall be stand-alone, based on fail safe philosophy having necessary hardware & software with graphics based MMI interface for installation in the operator's room/control room. It shall be able to operate independently, and its operation shall not be affected by failure of any other instrumentation system. The proposed system shall be designed and engineered as one integrated control and safeguarding system with respect to operator presentation.																																
2.3	The system shall generate alarm as soon as the LEL level in the field crosses the set level in either one sensor or more sensors. In alarm condition there shall be an Audio-Visual Alarm in the operator's room/control room to alert the operator about the gas leakage. The GDS shall be microprocessor based configurable and expandable.																																
2.4	Control system shall have the feature to measure the field signal below 4mA DC or above 20mA DC for configuration of the gas detectors at various operating statuses (Normal, Fault condition and Gas Detected condition etc.) and should have all diagnostic/Maintenance information/Calibration via HART.																																
2.5	Detectors in a particular zone in the field installation may be arranged group wise as per the IO list and in such case system engineering should be made in such a way that inputs are terminated in the different input cards in order to enhance the system reliability.																																
2.6	Control system shall have the capability to display process as well as system alarms on the HMI/ Display for operator's attention and action. Alarms shall appear immediately on the HMI/ Display as and when they																																

	occur on priority basis. It shall also be possible to display summary of all Alarms in the sequence of their occurrence and shall disappear from display only when they are acknowledged and cleared.		
2.7	Historization of the alarm/error/system fault/module change etc. conditions shall be maintained in the data base of the system for at least 4000 (All together) entries with features of -		
2.7.1	Date and time of occurrence.		
2.7.2	Point identification (i.e. Tag number) & description.		
2.7.3	Type of alarm.		
2.8	The supplier shall supply necessary software, in this regard for event sequencing and logging.		
2.9	All networking components shall be of Industrial grade.		
2.10	The control system shall have well laid down procedure for on-line maintenance and faulty module replacement.		
2.11	The control system shall have features for interfacing with OIL's third party system (SCADA RTU / PLC) through 'MODBUS' protocol [RS-485].		
3.0	Accessories:		
3.1	Point type Gas detectors shall have integrated sensor and transmitter unit powered through 24 VDC supply.		
3.2	Gas detector housing material shall be of SS 316.		
3.3	The gas detectors shall be minimum SIL-2 certified.		
3.4	Monitoring of status of Main AC as well as DC power supply units (Both Analog and Digital) shall be configured in the PLC as a minimum requirement.		
4.0	Operating Environment for the Monitoring and Control System		
4.1	Gas Detection System will be located in operator's room/control room located in safe area. Normal operating condition will be 5 to 50 deg. C and 90 ±10% RH.		
5.0	All electronic/electrical instruments and equipment to be used in hazardous area shall fulfil the following		
5.1	Item shall be of a type and specification conforming to the relevant standards as specified in the Regulation 107(2) of Oil Mines Regulation-2017 and complying the provisions therein.		
5.2	Bidder shall provide documents specifying the type, details of specification, reference of the particular standard, test criteria as per the standards and status of testing, place of testing, copies of test reports from Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body which is not a part of manufacture's facilities along with their offer against this tender.		
5.3	In this regard, Bidder may refer OMR-2017, Notification dated 18th October 2017, published in the Gazette of India, under Ministry of Labour and Employment, Directorate General of Mines Safety, published on 2nd November 2017.		
6.0	Cabling Philosophy		
6.1	Signal /multi core cables for gas detectors shall be armoured and stranded copper conductor of minimum 1.5 Sq.mm or higher according to power loading calculations.		
6.2	Power cables shall be armoured. It will be of stranded copper conductor of minimum 1.5 Sq.mm or higher according to power loading calculations.		
6.3	Control cables for flame-proof external hooter shall be armoured cables. It will be of stranded copper conductor of minimum 1.5 Sq.mm or higher according to power loading calculations.		

6.4	All the above ground cables shall be laid in galvanized metallic cable trays. Underground cables shall be laid with proper back filling.		
6.5	Entry of the cables to the operator's room/control room terminating in the control panel should be neat and exposed portion should be routed through cable tray mounted on wall.		
7.0	Junction Box		
7.1	Junction boxes shall be flameproof and weather-proof to IP65 (minimum). Relevant certificate has to be furnished by the bidder along with their offer.		
7.2	The junction boxes shall be provided with sufficient number of terminals to terminate all the pairs of multi-cable (including spare pairs) and shields of individual pairs as applicable.		
7.3	Junction boxes shall have separate external terminal for accommodating Earthing wires up to 10sqmm.		
7.4	Unused cable gland entries should be properly sealed with suitable SS blind plugs as per safety standards for Hazardous area applications.		
8.0	Cable Glands		
8.1	All cable glands shall be double compression type, nickel-plated and weatherproof and flameproof suitable for installation in an area classification of IEC Zone I Gas Group IIC. The cable glands shall be provided with PVC hood. Cable glands shall be suitable for cable dimensions with +/- 2mm tolerance. The plugs and adaptors shall also be weatherproof and flameproof suitable for installation in an area classification of IEC Zone I Gas Group IIC.		
9.0	Audio-Visual Alarm		
9.1	Acoustic and visual alarms shall be automatically activated from Gas detection control unit located in operator/control room. For this purpose, one non-flameproof hooter along with flasher will be supplied which shall be installed at the control panel inside the operator's room/control room. One Industrial grade electric external hooter along with flasher will also be supplied and installed in the safe area outside of operator's room/control room within each of the Gas Compressor Stations for this purpose.		
9.2	On receipt of signal from detectors the tone used for gas alarm horns shall be clearly audible over a range covering the entire facility.		
10.0	Portable Calibrator		
10.1	One set of portable purge calibrator for Hydrocarbon Detector consisting of a cylinder containing a known gas / air mixture, cylinder containing zero gas, a pressure regulator, a flexible hose and adaptor cap (to fit the sensing head) shall be supplied to enable calibration of the sensors in the Gas Compressor Stations without dismantling them. Material of constructions will be of SS316 as a minimum. Bidder shall ensure necessary and sufficient supply of gases for calibration test of all sensing heads.		
11.0	The Bidder shall be responsible for all types of Civil, Mechanical, Electrical, & Instrumentation works for installation, commissioning, testing and calibration of the entire gas detection system covering the facility including all labour and miscellaneous expenses.		
12.0	Interfacing with the existing RTU/ PLC: In general, Controller shall provide data via MODBUS protocol [RS 485]. The bidder needs to populate the data in a third party modbus software like MODSCAN during commissioning.		
13.0	Earthing System		
13.1	Installation & commissioning of the necessary Earthing system for control panel and other instruments shall		

	be under scope of bidder. The vendor shall supply readymade maintenance free CPRI approved chemical Earthing system with 50 mm dia 3.00 Metres length corrosion free G.I. pipe Electrode and conforming to relevant Indian Standards alongwith brick earth chamber and earth pit cover. Bidder to specify technical specifications and make in his offer and quote accordingly.		
14.0	<u>Installation & Commissioning</u>		
14.1	Installation and commissioning as well as testing of all the supplied Infrared (IR) On-Line Gas Detection System shall have to be carried out by the successful bidder's competent personnel at 09 (nine) Gas Compressor Stations within 200 KM from Duliajan, Assam (India). One set of portable purge calibrator for Hydrocarbon Detector consisting of a cylinder containing a known gas/air mixture, cylinder of zero gas, a pressure regulator, a flexible hose and adaptor cap (to fit the sensing head) shall be brought by the successful bidder/supplier for calibration of the sensors in each of the Gas Compressor Stations without dismantling them. Material of construction shall be of SS316 as a minimum. Successful bidder/supplier shall ensure necessary and sufficient supply of gases for calibration test of all sensing heads in all of the Gas Compressor Stations.		
14.2	During commissioning all required accessories and spares are to be supplied by the successful bidder/supplier for each Gas Compressor Station.		
14.3	Successful bidder/supplier has to erect all the hardware i.e. Sensors, cable laying, fixing of cable trays, cable termination, fixing of control system along with power supply and hooter etc. and also fabrications, and civil jobs, if any.		
14.4	The successful bidder should design and submit the complete cable schedule for OIL's approval prior to execution of the job.		
14.5	Cable laying job for underground cables includes cutting trench, burying cables, laying of cables with good quality brick and sand, covering the trench, marking with cable marker.		
14.6	Cable laying job for over ground/overhead, as required, cables, grouting of supports (to support cable tray) with chips, sand & cement etc. mounting of cable tray with nuts and bolts, laying the cable on the tray, dressing the cable with aluminium strips.		
14.7	All the Gas detectors along with control system in each of the Gas Compressor Stations is to be calibrated on site and alarm level to be checked before putting into operation.		
14.8	The system in each installation will be considered Successfully Commissioned only after successful continuous operation of the system individually for each installation in full capacity and capability without any part operation and functioning of the system for continuous 72 hours. If any breakdown or malfunctioning of the system in any form is observe during the above observation period, the starting time of observation will be reset to zero. In case the system could not function continuously due to OIL's operational problem, the starting time of observation will not be reset to zero, however, the system shall be made operational and put it under observation by the supplier to complete 72 hours once OIL's operational problem is resolved.		
14.9	<u>NOTES FOR INSTALLATION & COMMISSIONING</u>		
14.9.1	Bidder shall quote the Installation and Commissioning charges.		
14.9.2	All charges including to and fro fares, boarding/lodging, local transport at Duliajan, Assam, and other expenses of the Supplier's personnel during their stay at Duliajan shall be under the Supplier's scope. In this		

	regard, bidders may make a prior visit to Gas Compressor Stations at their own cost.		
14.9.3	No hot work (<i>including all types of welding, cutting, grinding, drilling and heating</i>) shall be permitted within the Gas Compressor Stations. The successful bidder has to make its own arrangements for handling and transportation of all the material/tools/manpower to and fro the site before and after completion of the work at site, as required.		
14.9.4	Pipe stanchions need to be provided by the bidder of suitable size.		
14.9.5	The successful bidder shall carry out Work normally during day light hours & irrespective of holidays, Sundays etc. However, in case of emergency, work may have to be done beyond normal working hours with prior permission from Installation Managers/user department/CISF.		
14.9.6	The successful bidder must obtain "Entry Permit" from CISF Commandant/ Head-Security of OIL for all his workers/personnel to enable them to work inside the installations.		
14.9.7	<u>NUISANCE</u> : The successful bidder or his representative shall not at any time cause any nuisance on the site or do anything which shall cause un-necessary disturbance in the installation. OIL reserves the right to reject any one or all the personnel deployed by the successful bidder on the basis of their performance, conduct and discipline. If any replacement is sought by Engineer-in-Charge, the same shall have to be arranged by the successful bidder within 24 Hours or as per instruction of Engineer-in-Charge. In case of any dispute the decision of Engineer-in-Charge shall be final and binding.		
14.9.8	<u>CARE OF WORKS</u> : From the commencement to completion of work, the successful bidder shall take full responsibility for the care of OIL's property, all equipment and pipelines including all temporary works and in case any damage, loss or injury shall happen to OIL's property/equipment/work/ person or to a part thereof due to negligence of the successful bidder, the same shall be rectified/ compensated by the successful bidder without any extra claim.		
14.9.9	<u>SAFETY PRACTICES</u>		
14.9.9.1	The successful bidder shall abide by all safety and security rules and regulations existing in the OIL's Installations. The successful bidder shall observe the safety measures required to be undertaken for safety of persons, labour, public and properties at work site/ plant premises/ residential premises/ public places etc. The successful bidder shall be required to take work permit from respective shift in charges for each day and each shift for all kind of jobs. There can be instances of not getting permits, withdrawing of permits already issued at any stage of work due some operational safety and security reasons. For any stoppage of work for such reasons no claim whatsoever will not be considered.		
14.9.9.2	Stand by firefighting equipment will be deployed at the work site by OIL. However, at least two of the successful bidder's personnel deployed for the work must be capable of handling the firefighting equipment at the time of emergency and the persons will have to be present at the work site throughout the working time. If required, the successful bidder's nominated persons will be imparted training on handling such equipment by OIL's Fire Service department.		
14.9.9.3	Any compensation arising out of the job carried out by the successful bidder whether related to pollution, Safety or Health will be paid by the successful bidder only.		
14.9.9.4	Any compensation arising due to accident of the successful bidder's personnel while carrying out the job, will be payable by the successful bidder.		

14.9.9.5	The successful bidder shall have to report all incidents including near miss to Installation Manager/ departmental representative of the concerned department of OIL.		
14.9.9.6	In case the successful bidder is found non-compliant of HSE laws as required, the company will have the right for directing the successful bidder to take action to comply with the requirements, and for further non-compliance, the successful bidder will be penalized as per prevailing relevant Acts/ Rules/ Regulations		
14.9.9.7	When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE measures, Company will have the right to direct the successful bidder to cease work until the non-compliance is corrected.		
14.9.9.8	All safety gears like safety boots, helmets, safety belts, hand gloves, safety goggles, gas masks etc. required for carrying the job in a safe manner shall be arranged by the successful bidder. In case the successful bidder fails to provide the safety gears, the same will be provided by OIL and the cost of such safety items will be deducted from the successful bidder's bills.		
14.9.9.9	<u>CLEARANCE OF SITE:</u> As a part of the job, the successful bidder shall completely remove all the temporary/ disposable materials if needed while execution of work or after completion of work at his own cost and dispose off the same as directed by Engineer-in-Charge.		
14.9.9.10	The successful bidder shall maintain first aid facilities for its employees. All critical industrial injuries shall be reported promptly to EMPLOYER, and a copy of the successful bidder's report covering each personal injury requiring the attention of a physician shall be furnished to the EMPLOYER.		
14.9.9.11	The successful bidder shall observe and abide by all fire and safety regulations of the EMPLOYER. Before starting construction work, the successful bidder shall consult with Employer's safety Engineers and must make good to the satisfaction of the EMPLOYER any loss or damage due to fire to any portion of the work done or to be done under this job or to any of the Employer's existing property.		
15.0	Site Acceptance Test (SAT)		
15.1	OIL shall provisionally takeover the system i.e. after satisfactory completion of functional performance test which will include calibration test of all gas detectors. System acceptance test shall commence only after the satisfactory performance of loop checking of all the gas detectors in each of the Gas Compressor Stations and verification of records by OIL engineer at site or other competent personnel.		
15.2	Following functional tests shall be part of system acceptance test as a minimum.		
15.2.1	Hardware verification as per final bill of material.		
15.2.2	Visual and mechanical check-up for proper workmanship, identification, ferruling, nameplates etc.		
15.2.3	System configuration as per approved diagram. Complete set of manual with all operational procedures, ferruling documentation, hooter details and other wirings should be handed over to OIL after commissioning		
15.2.4	Demonstration of all system diagnostics.		
15.2.5	Checking of proper functioning of all drives, alarm summary etc.		
15.2.6	Complete drawing of the gas detectors installed in the facility to be displayed in the operator's room/control room with proper tagging/ marking as applicable.		
15.3	Only after successful completion of SAT, the complete system shall be put under observation for 72 continuous hours for each of Gas Compressor Stations. During this period, any malfunctioning of the system components shall be replaced/repared as required free of cost (under bidder's scope). Once the system failure is detected, the acceptance test shall start all over again from the beginning. On successful		

	completion of 72 hours of continuous operation, the Gas Detection system for that installation shall be accepted by OIL.		
16.0	Training		
16.1	Successful Bidder shall impart training to OIL's site personnel for routine operation & preventive maintenance of the Gas Detection system. The training shall be imparted at each of Gas Compressor Stations for minimum 1 (one) day immediately after successful acceptance of the complete system at that particular installation.		
16.2	Training on the operation of the entire systems as per functional requirement including start up and shut down of the system.		
16.2.1	Maintenance training on the hardware & software being supplied.		
16.2.2	The different hardware components to be supplied by the bidder.		
16.2.3	Calibration and maintenance aspect of the field sensors.		
16.3	Cost towards such training/demonstration is inclusive in the installation/commissioning charges.		
17.0	SPECIAL NOTES		
17.1	The supplier must provide all relevant technical catalogues, statutory certificates etc. along with their bid for online Gas Detection System of their offered Model No. for technical evaluation		
17.2	The supplier shall submit necessary documents along with the offer for all electronic/electrical instruments and equipment used in zone "1" or zone "2" hazardous area as per the Regulation 107(2) of OMR 2017 as mentioned in point 5 above.		
17.3	Layout diagram of the installation will be provided to the successful bidder/supplier nearer the time		
17.4	Successful bidder has to take approvals of the following from OIL: (i) Control System cabinet Wiring Details (ii) Sensor's locations & installation plan (iii) Loop diagram & loop details (iv) Cable schedule and datasheet (v) Project Implementation Schedule		
17.5	Two sets of Operation & Maintenance manual (for each Gas Compressor Stations) in printed form for Infrared (IR) On-Line Gas Detection System to be provided during commissioning of the system. The maintenance manual shall include Control System cabinet Wiring Details, Loop diagram & loop details, Cable schedules etc.		
17.6	Test and calibration certificates for each detector/ sensor have to be provided along with the supply.		
17.7	OIL reserves the right to inspect, test and if necessary, reject any part/parts after delivery at site (<i>including incomplete manuals, catalogues, etc.</i>). In case of any fault on the part of the supplier he has to replace/repair at his own cost.		
17.8	Deviations from NIT specifications, if any, should be highlighted in the quotation.		
17.9	It will be solely supplier's responsibility (<i>as already undertaken in supplier's offer</i>) to ensure availability of requisite spares and consumables (including bought out items) for a minimum period of 10 (ten) years from the Certified date of completion/successful field commissioning of the unit. Bidders need to confirm that during bid submission.		

17.10	Supply of all necessary accessories & fittings like-pipe, cable tray, Junction Box, Cable gland cable tie, nut bolt, screw, clamp, etc. required to complete the installation and commission the GDS is under the scope of bidders and should be included in their quoted price.		
18.0	<u>Warranty</u>		
18.1	The Online Gas Detection system shall be Guaranteed/warranted, which must be valid for 12 (Twelve) months from the date of successful commissioning.		
18.2	Point Type Infrared Gas Detector shall be Guaranteed/warranted for 5 (Five) years from the date of successful commissioning.		
18.3	To keep the system fully operational, in case of failure of any item during the warranty period, it shall be the successful bidder/supplier's responsibility to arrange replacement/repairing at site at their cost including customs, freight, etc. within a period of maximum 3 (three) weeks from the date of intimation of such failure. However, if party do not attend the fault, repair/replace the faulty system within stipulated period, warranty of the entire system of that particular installation will be restart from the date of making the system operational.		
18.4	During warranty, if required, Party shall have to calibrate the detector(s) at their own arrangement.		
19.0	<u>Delivery</u>		
19.1	The successful bidder/supplier shall pack and deliver all equipment/items and accessories in separate lots for each of Gas Compressor Station. These packed lots shall be clearly marked for site wise deployment for ease of identification and subsequent logistic transportation at the time of installation and commissioning. The equipment/items and accessories shall be packed in robust cartons so as to avoid damage in transit and for safe storage before/during installation and commissioning.		
19.2	Time frame for project completion is to be scheduled in two parts. The first part is for supply of items and second part is for Installation & Commissioning. The first part supply of items has to be completed within <u>180 days from issue of Purchase Order (PO)</u> and the second part Installation and Commissioning has to be completed within <u>60 days from issue of site clearance by OIL</u> . Successful bidder required to submit their project execution plan (<i>Details of each task pertaining to parts procurement, assembly, testing and function test at works, delivery and shipment schedule</i>) immediately after awarding of PO. This should also include submission of drawings/design calculations for OIL's approval and deputation of engineer/technicians for installation, commissioning, testing and final acceptance test at site including training.		
19.3	The supplied materials including electronic/instruments/cables are required to be stored properly until installation, commissioning, testing and final acceptance of the complete packages. OIL shall provide free space to the bidder for arranging proper storage facilities. For any Damage/pilferage due to poor storage, OIL shall not be responsible for the same.		
20.0	<u>GENERAL NOTES</u>		
20.1	It is to be clearly understood that the successful bidder shall be responsible to complete the entire work in all respect and any other work necessary to achieve the object and completion though not specifically covered under the scope of work, shall be carried out by the successful bidder. Bidders are requested to visit the sites prior to submission of their bid so that the exact requirements for items such as Cables, Cable Tray, Junction Box, Cable Gland etc. of the tender could be ascertained and quote accordingly.		

	Tentative requirement is provided in the Annexure – II (Bill of Materials).		
20.2	The successful bidder shall arrange all the materials labour, tools and tackles etc. required for successful execution of work. OIL shall provide no materials/tools/equipment.		
20.3	The successful bidder shall arrange for accommodation/transportation of himself and his supervisor/labourers at his risk and cost. OIL shall not provide any accommodation / transportation whatsoever to the party or his staff.		
20.4	The successful bidder shall employ such workers who are above 18 years of age. They shall be medically fit and fully competent to perform the work.		
20.5	OIL shall provide water and electricity (230 VAC) required for work. However, necessary arrangement to take electricity and water is under the scope of the successful bidder		
20.6	Any work not conforming to execution drawings, specifications or codes shall be rejected forthwith and the successful bidder shall carryout the necessary rectification at his own cost.		
20.7	The successful bidder shall provide PPE (<i>personal protective equipment, like safety helmets, safety gloves, safety shoes, safety goggles etc.</i>) for each person working for the execution of the work, at its own cost. No person will be allowed to work without PPEs.		
21.0	<u>TECHNICAL SPECIFICATIONS</u>		
21.1	<u>Point Type Infrared Gas Detector</u>		
	<ul style="list-style-type: none"> i. Sensor type: Infrared (IR) type sensor ii. Principle of operation: Two IR lamp Producing Two Separate IR Beam. Temperature compensation shall be in-built. iii. Function: Shall be able to detect hydrocarbon gases in the range of 0-100% LEL iv. Calibration: Factory calibration at Methane or Propane v. Range: 0 to 100% LEL vi. Construction: Flameproof, 316SS body with dust/weather protection for outdoor installation. vii. Optical performance: Correct operation up to 75% obscuration, the same shall be configurable with facility for dirty optics warning. Heated optics to avoid condensation. There must be provision of Cleaning and Maintaining sensor window by a cleaning cloth/material. viii. Input Power: 24V DC nominal (18-30V DC) ix. Output: 4-20 mA DC with HART x. Overall Accuracy: +/- 3% of LEL or better xi. Repeatability: +/- 2% FSD xii. Zero drift: Typically, 2 % FSD per year xiii. Response time: 90% of gas reading in less than 8 seconds (with filter/protection guards) xiv. Self-Check: Continuous self-check for immediate detection of internal failures xv. Operating temperature: 5 Deg C To 50Deg C xvi. Humidity: 0 to 95% RH xvii. Cable entry: NPT (F) xviii. Area classification: Class-I, Div-I, Gr. C & D (Zone-1, Gr. IIA/B) xix. Enclosure classification: Explosion Proof (EExD) conforming to hazardous area classification to Class-I, Div-I, Gr. - C & D (Zone-1, Gr. IIA/IIB) and IP66 		

	<ul style="list-style-type: none"> xx. Temperature Class will be T4. xxi. Hazardous Area Approval: Required. xxii. Safety Integrity Level: SIL-2 (TUV / EXIDA / Accredited international agency) certified. xxiii. Accessories required: Mounting kits, Canopy, Tag Plates, Rain & Dust protection cover, Splash guard, Ex Proof & Weatherproof double compression cable glands etc. as required. xxiv. Configuration: Non-Intrusive Configuration Required xxv. Warranty: 5 years 		
21.2	<u>Hooter</u> <ul style="list-style-type: none"> i. Type: Industrial grade Electric Hooter. ii. Area Classification: Safe area at outside of operator's room/control room. iii. Protection Degree: IP 54 or better iv. Supply Voltage: 230 V AC /24VDC v. Power Consumption: 10 W vi. Sound Power: Minimum 100 dBA at 1 metre (Multi tone Selectable) vii. Body Material: Aluminium viii. Electrical Connection: ½ inch NPTF ix. Mounting: As per requirement mounting accessories to be provided. x. Others: Unit to be supplied with field mounted reset push button xi. Audibility: Loud enough to cover the entire range of the facility in all direction. 		
21.3	<u>Flasher</u> <ul style="list-style-type: none"> i. Area Classification: Safe area ii. Protection Degree: IP 54 or better iii. Supply Voltage: 230 V AC /24 VDC iv. Power Consumption: 2 W v. Body Material: Aluminium vi. Electrical Connection: ½ inch NPTF vii. Mounting: As per requirement mounting accessories to be provided. viii. Others: Unit to be supplied with field mounted reset push button for outdoor application 		
21.4	<u>Cable, Cable tray and Cable Gland</u>		
A.	<u>Armoured Signal Cable</u> <ul style="list-style-type: none"> i. <u>CONDUCTOR:</u> Material: Tinned copper Cross-sectional area of each core: 1.5 mm² No. of strands in each core: 7 (seven) Diameter of each strand: 0.5 mm Core colour: Black Core identification: White numbering on each core with 50 mm gap between two numbers. ii. <u>INSULATION:</u> Material: Flame retardant PVC Thickness: 0.64 mm (Nominal) Continuous temperature rating: 85 Degree C Voltage grade: 500 V 		

	<p>Insulation resistance (Min) :10 Mega Ohms/Km at 20 Degree C</p> <p>iii. <u>ARMOURING:</u> Material: Galvanized steel Magnetic/Non-Magnetic: Magnetic Round wire/ Flat strip: Round wire</p> <p>iv. <u>SHIELDING:</u> Material: Mylar backed Aluminium foil Thickness: 0.0635 mm (63 Micron) Drain wire (for shield Continuity): Required Material of Drain wire: Tinned copper Shielding of individual cores: required Overall shielding: Aluminium Mylar screen.</p> <p>v. <u>OUTER SHEATH:</u> Material: Flame retardant PVC Thickness (Min.): 1.40 mm Colour: Black</p> <p>vi. <u>SIZE:</u> Outer diameter: Not more than 18 mm</p>		
<p>B.</p>	<p><u>Armoured Power cable</u></p> <p>i. <u>CONDUCTOR:</u> Material: Tinned copper Cross-sectional area of each core: 1.5 mm² No. of strands in each core: 7 (seven) Diameter of each strand: 0.5 mm Core colour: Black Core identification: White numbering on each core with 50 mm gap between two numbers.</p> <p>ii. <u>INSULATION:</u> Material: Flame retardant PVC Thickness: 0.64 mm (Nominal) Continuous temperature rating: 85 Degree C Voltage grade: 1100 V Insulation resistance (Min): 10 Mega Ohms/Km at 20 Degree C</p> <p>iii. <u>ARMOURING:</u> Material: Galvanized steel Magnetic/Non-Magnetic: Magnetic Round wire/ Flat strip: Round wire</p> <p>iv. <u>SHIELDING:</u> Material: Mylar backed Aluminium foil Thickness: 0.0635 mm (63 Micron) Drain wire (for shield Continuity): Required Material of Drain wire: Tinned copper Shielding of individual cores: Not required Overall shielding: Aluminium Mylar screen.</p> <p>v. <u>OUTER SHEATH:</u> Material: Flame retardant PVC Thickness (Min.): 1.40 mm Colour: Black</p>		

	vi. <u>SIZE:</u> Outer diameter: Not more than 28 mm		
C.	<u>Cable tray:</u> i. Type: Perforated, hot dip galvanized ii. Size: As required iii. Shape of perforation/ hole: Oval shape iv. Accessories: Coupling plates, nuts, bolts and washers		
D.	<u>Cable Gland:</u> i. Specifications: Flame proof, Brass Ni plated, double compression type with lock nut & PVC shrouds of same size ii. Size: As required iii. Type: NPT		
21.5	<u>Junction Box</u> i. Material of JB: Cast Aluminum Alloy (LM6) ii. Mounting: Outdoor, Hazardous area iii. Enclosure: Industrial, Explosion proof and Weatherproof to IP 66 or better iv. Ambient Temperature: 0 to 60 Degree C v. Colour: Light grey, Epoxy coated vi. Terminals: Spring loaded. Vibration proof. Clip on type. vii. Construction: Junction box shall have doors which shall be of hinged type, and these shall be fixed with SS or cadmium plated countersunk screws viii. Terminals size: Minimum 2.5 sq.mm ix. Terminal Numbering: Required, suitable for 2.5 sq.mm conductor; Terminal details to be displayed inside the junction box. x. Cable Entry: Bottom & side, Main cable :1 1/2" NPT(F) or as per requirement & branch cable entry: 12 nos. ¾ " NPT(F) or as per requirement xi. Mounting Accessories: Required xii. Tag Plate: Required xiii. Plugging of entry ports: Blind plugs shall be provided to block all idle entries. The entry points shall be plugged by PVC caps during transportation.		
21.6	<u>Control System:</u> The Control system should consist of the following (to be installed in operators' Room/control room which is located in non-hazardous area):		
A.	<u>Controller:</u> i. Type: Programmable Electronics System suitable for gas detection ii. Memory: Log File Memory for diagnostics purposes with back-up battery iii. SIL 2 Approval (TUV / EXIDA / Accredited international agency) required. iv. Input Power supply: 230 V AC/ 24VDC v. Inputs: vi. Analog inputs: As per site requirement		

	<ul style="list-style-type: none"> vii. Digital Inputs: As per site requirement viii. Outputs: ix. Digital Outputs: As per site requirement x. Controller should have provision of expandable I/O xi. I/O port: Modbus over TCP/IP and RS 485 xii. Diagnostics: Continuous online xiii. HMI/ DISPLAY: Minimum 10 inch (Touch Screen) to be mounting in the panel. xiv. EMI/ RFI: No Interference xv. Earthing: Required for the entire control panel as per standard. xvi. Terminal Details: All wiring details inside the panel should be ferruled, numbered and details documentation should be submitted to OIL. xvii. Also, hardware details such as processor architecture, programming and all electronic modules should be submitted to OIL in a hard bound document. xviii. Operating Temperature: 5 Deg C to 50 Deg C 		
B.	<p><u>Control Panel:</u></p> <ul style="list-style-type: none"> i. Mounting Control Cabinet with reset button to be House in 19" inch rack with controller and I/O cards based on manufacturer standard. ii. Type of sheet: CRCA Sheet iii. Type: Fully Powder Coated (RAL 7035 (Colour)) iv. Input Power supply: 230 V AC Supply through MCB/ ELCB of proper rating. v. Power ON, OFF and Reset button to House in the panel. vi. Power Supply Unit: 1 No(24VDC) vii. Power Supply Unit should be capable of providing power supply to all channel cards, sensors and alarm hooter. viii. Channel Cards: As per site requirement and must have provision for future expansion. ix. Alarm: Alarm output for non-flame proof Hooter with Flasher (for visual indication of alarm) to be provided in the Control panel as common alarm for all the gas detectors mounted at field. x. Input Signal: 4-20 mA loop current @ 24 V DC xi. Display : 10 inch touch screen display as indicated in A above. xii. Relay Contact Rating: Solid state relay contact rating; 5 A @ 24 V DC xiii. Alarm Reset: External Alarm Reset Push Button to be available when alarm relays are programmed for latching. Alarm Relays will be reset but alarm status LEDs should track actual condition. xiv. Terminal Block: Modular Terminal Block that allows disassembly without removal of individual wires. xv. System Diagnostic: The control system should display system errors such as power supply failure, sensor fault, PLC hardware fault etc. 		
21.7	<p><u>UPS:</u></p> <ul style="list-style-type: none"> i. On-line UPS (Uninterrupted Power Supply) with 60 minutes backup and suitable for generator power: 230 V AC $\pm 10\%$, 50Hz± 5Hz. ii. Battery: Maintenance free. 		

22.0	Bill of Materials (BOM):		
22.1	Tentative BOM is enclosed as ANNEXURE – II . However, any additional requirement, if found necessary to make the system functional and fulfil its purpose, bidder has to supply the same without any extra cost to OIL. Bidders are requested to visit the sites prior to submission of their bid so that the exact requirement is ascertained		

CHECKLIST

1.0	Whether quoted as manufacturer?		
2.0	Whether quoted as OEM Dealer/Supply House?		
3.0	If quoted as OEM Dealer/Supply House -		
	a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer/supply House for the product offered?		
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?		
4.0	Whether agreed to the tender warranty clause of the tender?		
5.0	Whether submitted EMD/Bid Security within the bid closing date and time as per tender requirement?		
6.0	Whether quoted a firm delivery period as per the tender requirement?		
7.0	Whether confirmed to submit PBG as asked for in tender?		
8.0	Whether confirmed Bid Validity as per the tender requirement?		
9.0	Whether confirmed Payment Terms as per the tender?		
10.0	Whether quoted as MSE unit? If yes, whether necessary document submitted?		
11.0	Whether submitted Integrity Pact duly signed and sealed as per PROFORMA – D ?		
12.0	<p>Ministry of Finance of Govt. of India, Department of Expenditure, Public procurement Division vide office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020(order-Public Procurement no.1) has proclaimed the insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 w.e.f. 23rd July, 2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India on the grounds of defence of India on matters directly or indirectly related thereto including national security. Bidders are requested to take note of the office memorandum and submit their offers accordingly, wherever applicable.</p> <p>In this regard, bidders must submit duly sealed & signed undertaking as per format provided vide, PROFORMA – F(I), F(II) & F(III) along with the technical bid. Whether uploaded along with the bid?</p>		
13.0	Whether indicated the country of origin for the items quoted? Please mention the "Country of origin" under Remarks here.		
14.0	Whether submitted format of undertaking by bidders towards submission of authentic information/ documents as per PROFORMA - J		
15.0	Whether copy of the SFMS message for Bid Security/ EMD as sent by the issuing bank branch submitted along with the original bank guarantee?		
16.0	Whether certificate from the statutory auditor or cost auditor of the company submitted for Local Content. [Refer Para 8.2 of Annexure – IV (General Notes to Bidder)]?		

ANNEXURE – VI

BID EVALUATION MATRIX (BID REJECTION CRITERIA)

BID EVALUATION MATRIX (BID REJECTION CRITERIA) (TO BE FILLED IN BY BIDDER DULY SIGNED)			
Clause Number	DESCRIPTION	BIDDER'S RESPONSE (Complied / Not Complied /Deviation/Not Applicable)	TO BE FILLED BY THE BIDDER Relevant Location of their Bid to support the remarks / compliance (Reference of Document name / Serial number / Page number of bid for documentary evidence)
A.1	BRC - TECHNICAL		
1.0	<u>BIDDERS' QUALIFYING CRITERIA</u>		
1.1	<p>The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s)</p> <p style="text-align: center;">OR</p> <p>The bidder shall be authorized agent/dealer/distributor/supply house of an OEM of the tendered item(s).</p> <p>Note:</p> <p>a) <i>Bidder(s) other than OEM must submit a valid Authorization letter and back-up warranty from the manufacturer as per format enclosed herein vide PROFORMA – A. The Authorization and back-up warranty letter duly sealed & signed by the Manufacturer on their official letterhead must be submitted along with the technical bid.</i></p> <p>b) <i>The Sole Selling Agent/Dealer/Distributor/Supply House shall categorically confirm in their technical bid that there will be no change of the proposed OEM after submission of the bid.</i></p>		
2.0	<u>BIDDERS' EXPERIENCE:</u>		
2.1	<p><u>IN CASE THE BIDDER IS A MANUFACTURER (OEM):</u></p> <p>The OEM must have experience of successfully executing (either by themselves or through any Sole Selling Agent/Dealer/ Distributor/ Supply House) atleast 01(One) order for supply, installation & commissioning of On-line Gas Monitoring System of value not less than Rs. 1,54,23,291.50 during last five (5) years preceding to the original Bid Closing Date of the Tender. Documentary evidence in this regard must be submitted alongwith the Technical Bid as per Para 2.3.</p>		

2.2	<u>IN CASE THE BIDDER IS A SOLE SELLING AGENT/DEALER/DISTRIBUTOR/SUPPLY HOUSE OF THE ORIGINAL EQUIPMENT MANUFACTURER (OEM), THE FOLLOWING CRITERIA SHALL BE MET BY THE BIDDER AND THE OEM:</u>		
(i)	Their proposed OEM must have supply experience (<i>either by themselves or through any sole selling agent/ dealer/ distributor/ supply house</i>) of atleast 01(One) order for supply of on-line gas monitoring system of value not less than INR 1,54,23,291.50 during the last five (5) years preceding to the original bid closing date of the tender. Documentary evidence in this regard must be submitted alongwith the technical bid as per Para 2.3.		
(ii)	Additionally, the Bidder as a Sole Selling Agent/Dealer/ Distributor/Supply House must themselves have experience of successfully executing atleast 01(One) order for supply, installation & commissioning of Online Gas Monitoring System of value not less than INR 1,54,23,291.50 during last five (5) years preceding to the original Bid Closing Date of the Tender. Documentary evidence in this regard must be submitted alongwith the Technical Bid as per Para 2.3.		
2.3	<u>NOTES TO BIDDER REGARDING EXPERIENCE CRITERIA</u>		
2.3.1	<p>The following documentary evidence to substantiate above experience records (2.1 and 2.2, as applicable) of the Bidder must be submitted alongwith the technical bid, failing which the Bid shall be treated as incomplete and rejected:</p> <p>(a) Copy of Purchase order(s)/contract(s) awarded by Client(s)</p> <p>(b) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s) / contract(s) -</p> <p>True copies of Original Signed and sealed Completion report/performance certificate from the clients (on Client's/User's official letter head with signature & stamp) duly notarized by Government Notary.</p> <p>OR</p> <p>Copy of Bill of Lading.</p> <p>OR</p> <p>Copy of Consignee delivery receipts/challans.</p> <p>OR</p> <p>Copy of Tax Invoice/Excise Gate Pass issued under relevant Act/rules.</p> <p>OR</p> <p>Copy of Commercial Invoice/Payment Certificate.</p>		
2.3.2	The date of purchase order(s)/contract(s) need not be within five (5) years preceding the original bid closing date of the Tender, but execution/ supply of required quantity must be within five (5) years preceding the original bid closing date of this tender.		
2.3.3	In case of extension to the scheduled Bid Closing date of this tender, if any, the Original scheduled Bid closing Date shall be considered for evaluation of Bids.		
2.3.4	Against all supporting documents submitted by the bidder alongwith the technical bid, originals must be kept ready and to be produced for verification of OIL, if called for.		

2.3.5	The Purchase order(s)/contract (s) must bear the Purchase order number(s)/Contract number(s) which clearly indicate the scope of work and technical specifications of the item(s)		
2.3.6	The experience of the bidder's Sister Concern/subsidiary shall not be considered for evaluation		
2.3.7	Bidder shall quote for all the items of the tender; otherwise, the offer shall be liable for rejection		
3.0	<p>DELIVERY PERIOD:</p> <p>Delivery of the materials must be completed within the 180 days from the date of issue of Purchase order. The date of receipt of all materials at site shall be considered as the date of delivery.</p> <p>Installation & Commissioning at all the installations must be completed within 60 days from the date of issue of site clearance by OIL.</p> <p>Bidder to confirm compliance of the above delivery schedule in their technical bid. Bidder quoting delivery period and installation & commission period more that the above shall be liable for rejection</p>		
A.2	BRC - FINANCIAL:		
1.0	<p>The bidder must have an annual financial turnover from Operations of minimum INR 1,54,23,291.50 during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender Audited Annual Reports.</p> <p><i>[Annual Financial Turnover of the bidder from Operations shall mean - "Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year" as per the Companies Act, 2013 Section 2 (91).]</i></p>		
2.0	<p>"Net Worth" of the bidder must be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender.</p> <p><i>[Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium - Aggregate value of accumulated losses (excluding revaluation reserves) - deferred expenditure - Miscellaneous Expenditure to the extent not written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation"]</i></p>		
3.0	<p>Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/ undertaking (PROFORMA - A) certifying that 'the balance sheet/Financial Statements for the financial year (as applicable) has actually not been audited so far'.</p>		

	<p>Note:</p> <p>a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical 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 (PROFORMA – B) OR</p> <p>ii) Audited Balance Sheet alongwith Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.</p> <p>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.</p>		
4.0	In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.		
5.0	<p>In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ultimate parent/holding company, then following documents need to be submitted:</p> <p>(i) Turnover of the parent/ultimate parent/holding company should be in line with Para A.2 (1.0) above.</p> <p>(ii) Net Worth of the parent/ultimate parent/holding company should be positive in line with Para A.2 (2.0) above</p> <p>(iii) Corporate Guarantee (PROFORMA - C) on parent/ultimate parent/holding company's company letter head signed by an authorized official undertaking that they would financially support their wholly owned subsidiary company for executing the project/job in case the same is awarded to them.</p> <p>(iv) Documents to substantiate that the bidder is as 100% subsidiary of the parent/ultimate parent/holding company.</p>		
A.3	BRC - COMMERCIAL		
1.0	Bids are invited under SINGLE STAGE TWO BID SYSTEM . Bidders should upload Techno-Commercial Bid (Unpriced Bid) and Priced Bid separately at the designated fields assigned in GeM Portal. 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/costs. Bidder not complying with above		

	submission procedure will be rejected.		
2.0	The prices/rates offered against the tender must remain firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price condition shall be treated as non-responsive and rejected. No discount whatsoever should be quoted separately. Rates/prices quoted must be net of all discounts.		
3.0	Bids received in physical form shall be rejected (<i>except the documents specifically called for in hard copies, if any</i>). Also, modifications to bids received after the bid closing date & time shall not be entertained.		
4.0	Bids containing incorrect/false/misleading statement(s) shall be rejected.		
5.0	Validity of the bid shall be minimum 90 days from the date of actual Bid Closing Date. Bids with lesser validity shall be straightway rejected.		
6.0	Bidders must confirm that goods/materials to be supplied against the order arising out of this tender shall be of recent make, unused, of the best quality & workmanship and free from defects. The Bidder must undertake to stand guaranteed for the materials as called for in the tender. Defective goods/materials rejected by OIL, whether the entire lot or part thereof, shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.		
7.0	Successful bidder will be required to furnish a Performance Bank Guarantee @5% of the order value. The Performance Security must be valid for a period as called for in the tender document. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected. (Please refer Annexure – IV: GENERAL NOTES TO BIDDERS)		
8.0	<p>Bids must be accompanied by Bid Security for the amount as mentioned in the tender document and shall be in the prescribed format (PROFORMA – G) if submitted in the form of Bank Guarantee (BG). <u>In case of the Bid Security is submitted in the form of Bank Guarantee, scanned copy of Bank Guarantee shall be uploaded by the bidder in the online bid and hard copy of the Bank Guarantee will have to be submitted directly to OIL within the Bid Closing (BC) date and time</u>, failing which the bid may be treated as incomplete and may lead to rejection of the bid by OIL without making any reference to the bidder. Bid Security if submitted in the form of BG/e-PBG must be valid at least for a period of 135 days from the date of original bid closing date of the tender.</p> <p>Bid Security may also be paid through online payment mode. Bid Security must be submitted within the scheduled Bid Closing date and time of the Tender, failing which the bid may be treated as incomplete and may lead to rejection of the bid without making any reference to the bidder.</p> <p>The amount of Bid Security (EMD) must be strictly as specified in the tender document. Bid shall be rejected without further reference, if the Bid Security (EMD) is not received strictly as above, except where exempted. OIL will not assume any responsibility whatsoever for submission of deficient/faulty Bid Security or for delay/non-delivery of the same (Please refer Annexure – IV: GENERAL NOTES TO BIDDERS).</p>		
9.0	Bid must be uploaded together with the Integrity Pact (<i>If applicable against the tender</i>) and the same must be duly signed digitally. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact, their bid shall be rejected straightway. (Please refer Annexure – IV: GENERAL NOTES TO BIDDERS)		

<p>10.0</p>	<p>Bidders shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:</p> <ul style="list-style-type: none"> i) Liquidated Damages ii) Warranty/Guarantee of material iii) Arbitration / Resolution of Dispute iv) Force Majeure v) Applicable Laws 		
<p>11.0</p>	<p>A bid shall be rejected straightway if it does not conform to any one of the following clauses:</p> <ul style="list-style-type: none"> a) Validity of bid shorter than the validity indicated in the Tender. b) In case the party refuses to sign Integrity Pact. c) Original Bid Security not received within the stipulated date & time mentioned in the Tender. d) 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 		