



OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. DULIAJAN, DIST - DIBRUGARH
ASSAM, INDIA, PIN-786602

CONTRACTS DEPARTMENT
TEL: (91) 374-2800548
E-mail: contracts@oilindia.in
Website: www.oil-india.com
FAX: (91) 374-2803549

WORKS CONTRACT

FORWARDING LETTER

Sub: IFB No. CDO4642P24 – Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).

Dear Sir(s),

1.0 OIL INDIA LIMITED (OIL), a "Maharatna" Category, Government of India Enterprise, is a premier Oil Company engaged in exploration, production and transportation of crude oil & natural gas with its Headquarters at Duliajan, Assam. Duliajan is well connected by Air with nearest Airport being at Dibrugarh, 45 km away.

2.0 In connection with its operations, OIL invites Local Competitive Bids (LCB) from competent and experienced/approved Contractors/Firms for the mentioned work/service under **OPEN E-TENDER SINGLE STAGE TWO BID SYSTEM** through OIL's E-Procurement Portal: "<https://etender.srm.oilindia.in/irj/portal>" for the above subject service. One complete set of Bid Document covering OIL's IFB for hiring of above services is uploaded in OIL's E-Procurement Portal. You are invited to submit your most competitive bid on or before the scheduled bid closing date and time through OIL's E-Procurement Portal. For your ready reference, few salient points of the IFB (covered in detail in the Bid Document) are highlighted below:

(i)	IFB No./E-Tender No.	:	CDO4642P24
(ii)	Type of Bid	:	Open Indigenous E-Tender, Single Stage Two Bid System
(iii)	Bid Closing Date & Time	:	7th November 2023 [11:00 Hrs. Server Time]
(iv)	Technical Bid Opening Date & Time	:	7th November 2023 [14:00 Hrs. Server Time]
(v)	Price Bid Opening Date & Time	:	Will be intimated only to the eligible/qualified bidders nearer the time.
(vi)	Bid Submission Mode	:	Bids must be uploaded online in OIL's E-Procurement Portal.
(vii)	Bid Opening Place	:	Office of CGM-Contracts (HoD) Contracts Department, Oil India Limited, Duliajan-786602, Assam, India.
(viii)	Bid Validity	:	Minimum 120 (One Hundred Twenty) days from Bid Opening Date. Note: In exceptional circumstances, OIL may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing (or by Fax). A Bidder may refuse the request. A Bidder granting the request will neither be required nor permitted to modify their bid.
(ix)	Mobilization Period	:	45 days from the date of issue of Letter of Award (LOA). (Refer SPECIAL CONDITIONS OF CONTRACT (SCC) , for details of activities to be performed by the contractor during the mobilization period
(x)	Bid Security/EMD Amount	:	Rs. 11,99,100.00 (Rupees Eleven Lakh Ninety-Nine Thousand One Hundred only) Refer Clause No. 12.0 of Instruction to Bidder (ITB)
(xi)	Bid Security/EMD Validity	:	150 (One Hundred and Fifty Days) from original Bid Closing date.
(xii)	Original Bid Security to be submitted	:	Office of CGM-CONTRACTS (HoD), CONTRACTS DEPARTMENT, OIL INDIA LIMITED, DULIAJAN, ASSAM-786602, INDIA
(xiii)	Amount of Performance Security	:	10% of Contract value. Refer Clause No. 27.0 of Instruction to Bidder

			(ITB)
(xiv)	Validity of Performance Security	:	90 (Ninety) days beyond defect liability period.
(xv)	Location of job		Assam & Arunachal Pradesh
(xvi)	Duration of the Contract	:	02 (Two) years from the date of issue of Letter of Award (LOA) including the mobilization period. Accordingly, the scheduled contract end date shall remain firm even in case of delayed mobilization.
(xvii)	Quantum of Liquidated Damage for Default in Timely Mobilization/ Completion	:	Refer Clause under Special Conditions of Contract (SCC).
(xviii)	Bids to be addressed to	:	CGM-Contracts (HoD), Contracts Department, Oil India Limited, Duliajan-786602, Assam, India.
(xix)	Pre-Bid conference	:	Not Applicable
(xx)	Last Date of receipt of Queries	:	Not Applicable
(xxi)	Whether tendered item is splittable	:	No

3.0 GUIDELINES FOR PARTICIPATING IN OIL'S E-PROCUREMENT

3.1 Bids are to be submitted online through OIL's E-Procurement Portal with digital signature. To participate in OIL's E-Procurement tender, bidders should have a legally valid digital certificate **of Class 3 with Organizations Name** and **Encryption Certificate** as per Indian IT Act from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India (<http://www.cca.gov.in>). Digital Signature Certificates having "**Organization Name**" field other than **Bidder's Name** are not acceptable. However, aforesaid Digital Signature Certificates having Bidder's Name in the "Organization Name" field are acceptable.

In case of sole proprietorship firms, Digital Signature Certificates issued in the name of the proprietor is also acceptable provided the bid is submitted in the capacity of a proprietorship firm.

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

The authenticity of above digital signature shall be verified through authorized CA after bid opening and in case the digital signature used for signing is not of **“Class 3 with Organizations Name and Encryption Certificate”**, the bid will be rejected.

Bidder is responsible for ensuring the validity of digital signature and its proper usage by their employee.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidding company.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the Bidder/Bidding company to bind the Bidder/Bidding company to the contract.

3.2 For participation, applicants already having User ID & Password for OIL's E-Procurement Portal need to register against the IFB. New vendors/existing vendors not having User ID & Password for OIL's E-Procurement Portal shall obtain User ID & password through online vendor registration system in E-Portal.

3.2.1 Bidders without having E-Tender Login ID and password should complete their online registration at least 07 (Seven) days prior to the scheduled Bid Closing Date and time of the tender. For online registration, bidder may visit OIL's E-Tender site <https://etender.srm.oilindia.in/irj/portal>.

3.2.2 Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.

3.3 Parties, who do not have a User ID, can click on **Guest** login button in the E-portal to view and download the tender. **The detailed guidelines are available in OIL's E-Procurement site (Help Documentation)**. For any clarification in this regard, bidders may contact E-Tender Support Cell at Duliajan at erp_mm@oilindia.in, Ph.: 0374-2807178/4903.

3.4 The link to OIL's E-Procurement Portal has been provided through OIL's web site (www.oil-india.com).

4.0 Bid should be submitted online in OIL's E-Procurement site up to **11.00 AM (IST) (Server Time)** on the date as mentioned and will be opened on the same day at **2.00 PM (IST) (Server Time)** at the office of the CGM-Contracts (HoD) in presence of the authorized representatives of the bidders.

5.0 The rates shall be quoted per unit as specified in the **“PRICE BIDDING FORMAT”** attached under **“Notes and Attachments”** tab. Bidder should note that no pricing information is furnished in the **“Technical Attachment”** (Un-priced Techno-Commercial Bid) otherwise the bid will be rejected.

6.0 (a) No Bidder can withdraw his bid within the validity or extended validity of the bid. Withdrawal of any bid within validity period will lead to debarment from participation in future tenders, at the sole discretion of the company.

(b) Once a withdrawal letter is received from any bidder, the offer will be treated as withdrawn and no further claim/correspondence will be entertained in this regard.

7.0 Conditional bids are liable to be rejected at the discretion of the Company.

8.0 The bidders are required to furnish the composition and status of ownership of the firm in whose name bid documents have been purchased/issued along with one or more of the following documentary evidences (which are applicable to the bidder) in support of the same and scanned copies of the same should be uploaded along with the Un-priced Techno-Commercial Bid documents.

8.1 In case of Sole Proprietorship Firm, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form indicating therein the name, business and residential address, E-mail and telephone numbers of the owner and GSTIN number.

8.2 In case of HUF, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form, Family Arrangement indicating therein the name, residential address, E-mail and telephone numbers of the owners in general and Karta in particular and GSTIN number.

8.3 In case of Partnership Firm, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form indicating therein the name, residential address, E-mail and telephone numbers of all the partners (including the Managing Partner), registered partnership agreement/deed and GSTIN number.

8.4 In case of Co-Operative Societies, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form indicating therein the name, residential address, E-mail and telephone numbers of all the Directors or persons who are at the helm of affairs, registration certificate from Registrar of Co-Operative Societies and GSTIN number.

8.5 In case of Societies registered under the Societies Registration Act, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form indicating therein the name, residential address, E-mail and telephone numbers of all the Directors or persons who are at the helm of affairs, registration certificate from the Registrar of the state and GSTIN number.

8.6 In case of Joint Stock Companies registered under the Indian Companies Act, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form indicating therein the name, residential address, E-mail and telephone numbers of all the Directors or persons who are at the helm of affairs, Certificate of Incorporation from the Registrar of Companies, Memorandum and Articles and GSTIN number.

8.7 In case of Trusts registered under the Indian Trust Act, Copies of Telephone/Electricity/Mobile Bill, PAN card, latest Income Tax Return form indicating therein the name, residential address, E-mail and telephone numbers of all the Trustee or persons who are at the helm of affairs, registration certificate from the Registrar of the state, Trust Deed and GSTIN number.

9.0 SCREEN SHOTS

On “**EDIT**” Mode, bidders are advised to upload “**Technical Bid**” and “**Priced Bid**” in the respective places as indicated above:

Note:

- * The “**Technical Bid**” shall contain all techno-commercial details **except the prices**.
- ** The “**Priced bid**” must contain the price schedule and the bidder’s commercial terms and conditions, if any. For uploading Priced Bid, first click on Add Attachment, a browser window will open, select the file from the PC and name the file under Description, Assigned to General Data and click on OK to digitally sign and upload the File. Please click on Save Button of the Response to Save the uploaded files.

10.0 MAINTENANCE OF TOTAL BID VALUE IN THE RESPONSE: For convenience of the Bidders and to improve transparency, the rates/costs quoted by bidders against the E-tender shall be available for online viewing after price bid opening to those bidders whose price bids have been opened in the system. For tenders where **Detailed Price Information under RFx Information Tab is “No price”**, the Price Bid is invited through attachment form under “Notes & Attachment”. As per the existing process, Bidders must upload their pricing as per the “Price Bidding Format” under “**Notes & Attachment**”. Additionally, the bidders must fill up the **on-line field “Total Bid Value”** under Tab Page “**RFx Information**” with the Total Cost (Including the GST component) as per the amount of the Price Bid in attachment form.

The screenshot shows the 'Create RFx Response' interface. At the top, there are tabs: **Submit**, **Read Only**, **Print Preview**, **Check**, **Technical RFx Response**, and **Close**. Below these, the header information includes: **RFx Response Number** 60038748, **RFx Number**, **RFx Owner** BHARALI, and **Total Value** 0.00 INR. The main section has tabs for **RFx Information**, **Items**, and **Notes and Attachments**. Under **RFx Information**, there are sub-tabs: **Basic Data**, **Questions**, and **Technical Attachments**. The **Event Parameters** section contains the following fields:

- Currency:** A dropdown menu showing 'Indian Rupee'. A callout points to this field with the text: 'Bidder to select the currency of the Response'.
- Detailed Price Information:** A dropdown menu showing 'No Price'. A callout points to this field with the text: '"Total Bid Value" is mandatory in "No Price" RFx only'.
- Terms of Payment:** A field with a small icon.
- Total Bid Value:** A text input field. A callout points to this field with the text: '"Total Bid Value" considering all the taxes & duties.'

The "Total Bid Value" as entered by the Bidder in the on-line response shall be displayed in the e-tender portal amongst the Techno-Commercially qualified bidders and Company will not take any responsibility whatsoever towards incorrect information furnished by the bidders in the "Total Bid Value" field.

It is to be noted that Amount mentioned in the "Total Bid Value" field will not be considered for bid evaluation and evaluation will be purely based on the "Price bidding Format".

11.0 The selected bidder will be required to enter into a formal contract, which will be based on their bid and OIL's Standard Form of Contract.

12.0 The successful bidder shall furnish a Performance Security Deposit for the amount as mentioned under Clause 2.0 (xiv) above and as indicated under Para 27.0 of ITB/10.0 of GCC before signing the formal contract. The Performance Security Deposit will be refunded to the Contractor after satisfactory completion of the work, but a part or whole of which shall be used by the Company in realization of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason. This Security Money shall not earn any interest.

13.0 BACKING OUT BY L1 BIDDER AFTER ISSUE OF LOA: In case LOA issued is not accepted by the L1 bidder or the Performance Security is not submitted as per the terms of the contract within the time specified in the Bid Document, the Bid Security shall be forfeited and the bidder shall be dealt as per the Banning Policy (available in OIL's website) of Company.

14.0 FURNISHING FRAUDULENT INFORMATION/DOCUMENT: The information and documents furnish by the bidder/contractor in respect of the subject tender/contract are accepted to be true and genuine. However, if it is detected during technical scrutiny or after award of the contract or after expiry of the contract, that the bidder had submitted any fake/fraudulent document or furnished false statement, the offer/contract shall be rejected/cancelled, as the case may be and the bidder (if fake document/false statement pertains to such bidder) shall be dealt as per the Banning Policy (available in OIL's website) of Company. The bidder has to submit an undertaking in this regard as per attached **Proforma-IX**.

15.0 PROVISION FOR ACTION IN CASE OF ERRING/DEFAULTING AGENCIES: Erring and defaulting agencies like bidder, contractor, supplier, vendor, service provider will be dealt as per OIL's Banning Policy available in OIL's website: www.oil-india.com.

16.0 Time will be regarded as the essence of the Contract and the failure on the part of the Contractor to complete the work within the stipulated time shall entitle the Company to recover liquidated damages and/or penalty from the Contractor as per terms of the tender/contract.

17.0 The contractor will be required to allow OIL officials to inspect the work site and documents in respect of the workers' payment.

18.0 RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES LAND BORDER WITH INDIA:

Subject to **Order No. F. 7/10/2021-PPD (1) dated 23.02.2023** (as amended from time to time) issued by Department of Expenditure, Ministry of Finance, Govt. of India, Bidders should take note of the following:

- 18.1 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 bidder) 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.
- 18.2 "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.
- 18.3 "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
- 18.4 The beneficial owner for the purpose of para 18.3 above will be as under:
- 18.4.1 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 per cent. 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 shareholders' agreements or voting agreements;

18.4.2 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;

18.4.3 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;

18.4.4 Where no natural person is identified under 18.4.1 or 18.4.2 or 18.4.3 above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

18.4.5 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.

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

18.6 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. A declaration as per **Exhibit-I** in this respect to be submitted by the bidder for participation in this tender.

18.7 **Validity of registration:** In respect of tenders, registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance/placement of order, registration shall not be a relevant consideration during contract execution.

18.8 The bidders are required to provide undertaking as per **Exhibit-II & Exhibit-III** along with their bid complying with Clause No. 18.1 above for participation in this tender.

18.9 If the undertakings viz. **Exhibit-I, Exhibit-II** and **Exhibit-III** 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.

19.0 OIL now looks forward to your active participation in the IFB.

Thanking you,

Yours faithfully,
OIL INDIA LIMITED

(TRIDIP KALITA)
MANAGER CONTRACTS (OPERATIONS)
For **CGM (CONTRACTS) (HoD)**
For **RESIDENT CHIEF EXECUTIVE**

Date: 04.10.2023

INSTRUCTIONS TO BIDDERS (ITB)**1.0 ELIGIBILITY OF THE BIDDER:**

- 1.1 The eligibility of the bidders are listed under BID EVALUATION CRITERIA (BEC) of the tender document.
- 1.2 Bidder shall bear all costs associated with the preparation and submission of bid. Oil India Limited, hereinafter referred to as Company, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2.0 BID DOCUMENTS:

- 2.1 The services required, bidding procedures and contract terms are prescribed in the Bid Document. This Bid Document includes the following:

- a) A Tender Forwarding Letter
- b) Instructions to Bidders (ITB)
- c) Bid Evaluation Criteria (BEC)
- d) General Conditions of Contract (GCC): Part-I
- e) Schedule of Work, Unit, Quantities (SOQ): Part-II
- f) Special Conditions of Contract (SCC): Part-III
- g) Schedule of Company's Plants, Materials and Equipment (SCPME): Part-IV
[Not applicable for this Tender]
- h) Safety Measures (SM): Part-V
- i) Integrity Pact (IP): Part-VI
- j) Bid Form: Proforma-I
- k) Statement of Non-Compliance: Proforma-II
- l) Authorisation for Attending Bid Opening: Proforma-III
- m) Proforma of Letter of Authority: Proforma-IV
- n) Bid Security (Bank Guarantee Format): Proforma-V
- o) Proforma for E-Remittance: Proforma-VI
- p) Format of Performance Security: Proforma-VII
- q) Agreement Form: Proforma-VIII
- r) Format of Undertaking by Bidders towards submission of authentic information/documents: Proforma-IX
- s) Certificate of Compliance of Financial Criteria: Proforma-X
- t) Commercial Check List (Proforma-XI)
- u) Undertaking towards submission of Bank Guarantee (Proforma-XII)
- v) Undertaking for Local Content (Proforma XIII)
- w) Certificate of Annual Turnover & Net Worth (Proforma-XIV)
- x) Format for Inspection Certificate from TPIA (Proforma-XV)
- y) Bid Securing Declaration (Proforma-XVI, if exempted from Bid Security)
- z) Price Bidding Format (Attached under **"Notes and Attachments"** tab in the main bidding engine of OIL's E-Tender portal)
- aa) Technical Evaluation Sheet for BEC-BRC (PROFORMA-XVII)
- ab) Appendices and Exhibits

3.0 The bidder is expected to examine all instructions, forms, terms and specifications in the Bid Documents. Failure to furnish all information required in the Bid Documents or submission of a bid not substantially responsive to the Bid Documents in every respect will be at the Bidder's risk & responsibility and may result in the rejection of its bid.

4.0 Bidders shall be deemed, prior to submitting their bids, to have satisfied themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation and law of the land, and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.

5.0 TRANSFERABILITY OF BID DOCUMENTS:

5.1 Bid Documents are non-transferable. Bid can be submitted only in the name of the bidder in whose name the Bid Document has been issued.

5.2 In case of e-Tender, Bidder must submit the bid using Organizational Class-3 Digital Signature issued by the Competent Authority in favour of the bidder. Bid submitted using Digital Signature other than the Digital Signature of the bidder shall be summarily rejected.

5.3 Unsolicited bids will not be considered and will be rejected straightway.

6.0 AMENDMENT OF BID DOCUMENTS:

6.1 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 Bid Documents through issuance of an Addendum(s)/Corrigendum(s)/Amendment(s).

6.2 The Addendum will be uploaded in OIL's E-Tender Portal in the Tab "Technical Rfx" and under External Area - "Amendments" folder. The Company may, at its discretion, extend the deadline for bid submission. Bidders are expected to take the Addendum into account in preparation and submission of their bid. Bidders are to check from time to time the E-Tender portal ["Technical RFX" Tab and under the folder "Amendments"] for any amendments to the bid documents before submission of their bids. No separate intimation shall be sent to the Bidders.

7.0 PREPARATION OF BIDS:

7.1 Language of Bids: The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder and the OIL shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, duly authenticated by local chamber of Commerce of bidder's country, in which case, for purposes of interpretation of the bid, the translation shall prevail.

7.2 Bidder's/Agent's Name & address: Bidders should indicate in their bids their detailed postal address including the Fax/Telephone / Cell Phone Nos. and E-mail address. Similar information should also be provided in respect of their authorized Agents in India, if any.

8.0 Documents comprising the bid: Bids are invited under **Single Stage Two Bid System**. The bid to be uploaded by the Bidder in OIL's E-Tender portal shall comprise of the following components:

(A) Technical Bid (to be uploaded in "Technical Attachments" tab):

- a) Complete technical details of the services offered.
- b) Documentary evidence established in accordance with Clause No. 11.0.
- c) Bid Security as per Proforma-V.
- d) Copy of Bid Form without indicating prices in Proforma-I.
- e) Statement of Non-compliance as per Proforma-II.
- f) Copy of Priced Bid without indicating prices.
- g) Integrity Pact digitally signed by OIL's competent personnel as Part-VI.
- h) Proforma-IV attached with the bid document to be signed by the bidders Authorized representative.
- i) All Other relevant Undertakings, Proformas, Exhibits and Appendices as applicable as part of Bid.

Note: No price should be mentioned in the "Technical Attachments" tab.

(B) The Price Bid as per the Price Bid Format shall be uploaded in "Notes and Attachments" tab.

Note: The Priced Bid shall contain the prices along with the currency quoted and any other commercial information pertaining to the service offered. Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST.

9.0 **BID FORM:** The bidder shall complete the Bid Form and upload the same along with their bid.

10.0 **BID PRICE:**

- 10.1 Prices must be quoted by the Bidders online as per the price bid format available in OIL's E-Tender Portal under "Notes & Attachment" Tab. Prices must be quoted by the bidders as per the Price/Bidding format.
- 10.2 Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account, except as otherwise mentioned in the bid document.
- 10.3 All duties (except customs duty which will be borne by the Company) and taxes (excluding GST) and other cess/levies payable by the successful bidder under the Contract for which this Bid Document is being issued, shall be included in the rates, prices and total Bid Price submitted by the bidder and the evaluation and comparison of bids shall be made considering the quoted GST in the Price Bid Format. For example, personal taxes and/or any corporate taxes arising out of the profits on the contract as per rules of the country shall be borne by the bidder.

11.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS:

These are listed in BID EVALUATION CRITERIA (BEC), of the tender documents.

12.0 BID SECURITY:

12.1 The Bid Security is required to protect the Company against the risk of Bidder's conduct, which would warrant forfeiture of the Bid Security, pursuant to sub-clause 12.8.

12.2 All the bids must be accompanied by Bid Security in Original as prescribed under, for the amount as mentioned in the "Forwarding Letter" of the tender documents:

a. The Bid Security may be submitted in the form of irrevocable Bank Guarantee (as per **PROFORMA-V**) issued by Nationalized or Scheduled Bank in favour of M/s Oil India Limited and payable at DULIAJAN. The Bank Guarantee must be on Non-Judicial Stamp Paper of requisite value as per Indian Stamp Act purchased in the name of Banker.

b. Alternately Bid Security can also be paid through Bank Draft/Cashier's Cheque/ Banker's Cheque/Fixed Deposit Receipt (Account OIL INDIA LIMITED)/irrevocable Letter of Credit/NEFT/RTGS/Electronic Fund Transfer (subject to credit in OIL's account within prescribed time) to designated account of OIL.

i. If the Bid Security is submitted in the form of Bank Draft, Banker's Cheque, Cashier's Cheque, Fixed Deposit Receipt or Letter of Credit, the same should be in favour of "Oil India Limited" payable at Duliajan.

ii. Bid Security amount through NEFT or RTGS mode may be deposited on or before bid closing date and time to the following designated OIL's bank account:

Bank Details of Beneficiary: OIL INDIA LIMITED		
A	Bank Name	STATE BANK OF INDIA
B	Branch Name	Duliajan
C	Branch Address	Duliajan, Dist.-Dibrugarh
D	Bank Account No.	10494832599
E	Type of Account	Current Account
F	IFSC Code	SBIN0002053
G	MICR Code	786002302
H	SWIFT Code	SBININBB479

iii. If the bid security is submitted through NEFT or RTGS mode, details such as **UTR No., Tender No., Bidder's name & Deposited Amount etc.** must be uploaded with the Unpriced Techno-Commercial Bid documents.

c. In case of Bidders submitting Bid Security in the form of Bank Guarantee/ Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt/Letter of Credit, the original hard copy of Bid Security should reach the office of CGM-CONTRACTS on or before **12.45 p.m. (IST)** on the bid closing / opening date otherwise bid will be rejected.

- d. A scanned copy of Bid Security document should also be uploaded along with the Unpriced Techno-Commercial Bid documents.
- e. This Bid Security Deposit shall be refunded to all unsuccessful bidders but is liable to be forfeited in full or part, at Company's discretion, as per **Clause No. 12.8** below. Bids without Bid Security Deposit in the manner specified above will be summarily rejected.
- f. No other mode of payment will be accepted by the Company. The Bid Security shall not earn any interest to the bidder from the Company.

Note:

- i. Bidders claiming waiver of Bid Security shall upload supporting documents as mentioned in **Para No. 13.0** below along with technical bid.
 - ii. Any offer not accompanied with the Bid Security shall be treated as invalid and summarily rejected unless the bidder is exempted from submission of Bid Security as per Bid Security Exemption Criteria of this tender and proper proof towards this exemption is submitted by the bidder. Any subsequent deposit of Bid Security after the bid closing date shall not be permitted. Also, adjustment of Bid Security due against the instant tender, against dues from the Company or on any account shall not be permitted.
- 12.3 Any bid not secured in accordance with sub-clause 12.2 above shall be rejected by the Company as non-responsive.
 - 12.4 The bidders shall extend the validity of the Bid Security suitably, if and when specifically advised by OIL, at the bidder's cost.
 - 12.5 Unsuccessful Bidder's Bid Security will be discharged and / or returned within 30 days after finalization of the Tender.
 - 12.6 Successful Bidder's Bid Security will be discharged and / or returned upon Bidder's furnishing the Performance Security and signing of the contract. Successful bidder will however ensure validity of the Bid Security till such time the Performance Security in conformity with Clause No. 27.0 below is furnished.
 - 12.7 Bid Security shall not accrue any interest during its period of validity or extended validity.
 - 12.8 The Bid Security may be forfeited:
 - a. If the bidder withdraws the bid within its original / extended validity.
 - b. If the bidder modifies / revises their bid suo-moto within its original / extended validity.
 - c. If the bidder does not accept the contract.
 - d. If the bidder does not furnish Performance Security Deposit within the stipulated time as per tender / contract.
 - e. If it is established that the bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice, the bid security shall be forfeited after due process in addition to other action against the bidder.
 - 12.9 In case any bidder withdraws their bid during the period of bid validity, Bid Security will be forfeited, and the party shall be debarred as per the prevailing Banning Policy of the Company (OIL).
 - 12.10 A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and / or if the Bid Security

validity is shorter than the validity indicated in Tender and / or if the Bid Security amount is lesser than the amount indicated in the Tender.

12.11 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 (indicating the Tender Number) by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

Bank Details of Beneficiary		
A	Bank Name	ICICI Bank Ltd.
B	Branch Name	Duliajan
C	Branch Address	Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602
D	IFSC Code	ICIC0000213
E	Unique identifier code (Field 7037)	OIL503988890
F	Company name	Oil India Limited
G	SWIFT Code	ICICINBBXXX

12.12 **Submission of Bid Security in the form of Electronic Bank Guarantee (e-BG):**

Sl. No.	Bank Name	Sl. No.	Bank Name
1	Axis Bank limited	8	IDFC First Bank
2	Bank Of Baroda	9	Indian Bank
3	Canara Bank	10	Indian Overseas Bank
4	Federal Bank	11	IndusInd Bank
5	HDFC Bank Limited	12	State Bank of India
6	ICICI Bank Limited	13	South Indian Bank
7	IDBI Bank	14	Yes Bank

BENEFICIARY DETAILS FOR ISSUE OF E-BG

Details of Beneficiary		
A	Name	OIL INDIA LIMITED
B	PAN	AAACO2352C
C	Date of	18-02-1959

	Details of Beneficiary		
	Incorporation		
D	Email-ID	tridip.kalita@oilindia.in	
E	Mobile No.	8638881600	
F	Local Address	Duliajan, Dibrugarh, Assam-786602	
G	Registered address	Duliajan, Dibrugarh, Assam-786602	

13.0 EXEMPTION FROM SUBMISSION OF BID SECURITY: In case any bidder is exempted from paying the Bid security, they should upload the supporting documents along with their technical bid. The detailed guidelines for exemption of the Bid security are given below:

- **Central as well as State Government Departments and Public Sector Undertakings (PSUs)** are only exempted from submitting bid security against this tender. However, such bidders must submit the bid securing declaration as per **Proforma-XVII**.

Note:

a) Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant Document/Certificate towards exemption of EMD, issued by appropriate authority.

b) PPP [Public Procurement policy] for Micro and Small Enterprises is not applicable for this tender (being works contract tender). Hence, exemption from submission of bid security against MSE Units is not applicable for this tender.

14.0 PERIOD OF VALIDITY OF BIDS:

14.1 Bids shall remain valid as per the requirement mentioned in Introduction from the date of closing of bid prescribed by the Company. Bids of shorter validity will be rejected as being non-responsive. If nothing is mentioned by the bidder in their bid about the bid validity, it will be presumed that the bid is valid for minimum **120 days** from Bid Opening Date.

14.2 In exceptional circumstances, the Company may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made in writing through Fax or e-mail. A Bidder may refuse the request. A Bidder granting the request will neither be required nor permitted to modify their Bid.

15.0 SIGNING & SUBMISSION OF BIDS:

15.1 Signing of bids:

15.1.1 Bids are to be submitted online through OIL's E-procurement portal with digital signature. The bid and all attached documents should be digitally signed by the bidder using "Class-3" digital certificates with Organization's Name [e-commerce application (Certificate with personal verification and Organization Name)] as per Indian IT Act 2000 obtained from the licensed Certifying Authorities operating

under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India before bid is uploaded. Digital Signature Certificates having Bidder's Name in the "Organization Name" field are only acceptable. Digital Signature Certificate having "Organization Name" field other than Bidder's Name shall be rejected summarily.

The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidder holding a Power of Attorney to bind the Bidder to the contract.

If any modifications are made to a document after attaching digital signature, the digital signature shall again be attached to such documents before uploading the same. The Power of Attorney shall be submitted by bidder.

In case the digital signature is not of "Class-3" with organization name, the bid will be rejected. Bidder is responsible for ensuring the validity of digital signature and its proper usage by their employees.

- 15.1.2 The original and all copies of the bid shall be typed or written in indelible inks. Since bids are to be submitted ONLINE with digital signature, manual signature is NOT relevant. The letter of authorization (as per Proforma-IV) shall be indicated by written Power of Attorney accompanying the Bid.
- 15.1.3 Any physical documents submitted by bidders shall contain no interlineations, white fluid erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such correction shall be initialed by the person or persons who has/have digitally signed the Bid.
- 15.1.4 Any Bid, which is incomplete, ambiguous, or not in compliance with the Bidding process shall be rejected.

15.2 Submission of bids:

The tender is processed under **Single Stage Two Bid** system. Bidder shall submit the Technical bid and Priced bid along with all the Annexures and Proforma (wherever applicable) and copies of documents in electronic form through OIL's e-procurement portal within the Bid Closing Date & Time stipulated in the e-tender. For submission of Bids online at OIL's E-Tender Portal, detailed instructions is available in "User Manual" available in OIL's E-Tender Portal. Guidelines for bid submission are also provided in the "Forwarding Letter". The Technical Bid is to be submitted as per Terms of Reference/Technical Specifications of the bid document and Priced Bid as per the Price Schedule. The Technical Bid should be uploaded in the "Technical Attachment" Tab Page only. Prices to be quoted as per Price Bid Format and should be uploaded as 'Attachment' under "Notes & Attachments" Tab. No price should be given in the "Technical Attachment", otherwise bid shall be rejected. The priced bid submitted in physical form shall not be considered. However, the following documents in one set should necessarily be submitted in physical form in sealed envelope super-scribing the Tender no., Brief Description of services and Bid Closing/Opening date & Time along with the bidder's name and should be submitted to GM-Contracts, Oil India Ltd., Duliajan-786602 (Assam) on or before **12.45 Hrs (IST)** on the bid closing date indicated in the IFB :

- a) Printed catalogue and literature if called for in the bid document.
- b) Any other document required to be submitted in original as per bid document.

Documents sent through E-mail/Fax/Telephonic method will not be considered.

- 15.2.1 All the conditions of the contract to be made with the successful bidder are given in various Sections of the Bid Document. Bidders are requested to state their noncompliance to each clause as per Proforma-II of the bid document and the same should be uploaded along with the Technical Bid.
- 15.2.2 Timely delivery of the documents in physical form as stated in Para 11.2 above is the responsibility of the bidder. Bidders should send the same through Registered Post or by Courier Services or by hand delivery to the Officer in Charge of the particular tender before the Bid Closing Date and Time. Company shall not be responsible for any postal delay/transit loss.
- 15.2.3 Bids received through the e-procurement portal shall only be accepted. Bids received in any other form shall not be accepted.

16.0 DEADLINE FOR SUBMISSION OF BIDS:

- 16.1 Bids should be submitted online as per the online tender submission deadline. Bidders will not be permitted by System to make any changes in their bid/quote after the bid submission deadline is reached. Bidders are requested to take note of this and arrange to submit their bids within the submission deadline to avoid last minute rush/network problems.
- 16.2 No bid can be submitted after the submission dead line is reached. The system time displayed on the e-procurement web page shall decide the submission dead line.
- 16.3 The documents in physical form as stated in Para 15.2 must be received by Company at the address specified in the "Forwarding Letter" on or before 12.45 Hrs (IST) on the Bid Closing Date mentioned in the "Forwarding Letter". Timely delivery of the same at the address mentioned in the Forwarding Letter is the responsibility of the Bidders.

- 17.0 LATE BIDS:** Bidders are advised in their own interest to ensure that their bids are uploaded in system much before the closing date and time of the bid. The documents in physical form if received by the Company after the deadline for submission prescribed by the Company shall be rejected and shall be returned to the Bidders in unopened condition immediately.

18.0 MODIFICATION AND WITHDRAWAL OF BIDS:

- 18.1 The Bidder after submission of Bid may modify or withdraw its Bid prior to Bid Closing Date & Time. Withdrawal or modification of bid through physical correspondence shall not be considered and accepted.
- 18.2 No Bid can be modified or withdrawn subsequent to the deadline for submission of Bids.
- 18.3 No Bid can be withdrawn in the interval between the deadline for submission of Bids and the expiry of the period of Bid Validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval shall result in debarment from participation in future tenders of OIL.

- 19.0 EXTENSION OF BID SUBMISSION DATE:** Normally no request for extension of Bid Closing Date & Time will be entertained. However, OIL at its discretion, may extend the Bid Closing Date and/or Time due to any reasons.

Notwithstanding anything above, bidders are advised to refrain from seeking an extension of the due date for bid submission. OIL is not obligated to extend the Bid Closing Date and Time upon request from bidders.

20.0 BID OPENING AND EVALUATION:

- 20.1 Company will open the Bids, in presence of Bidder's representatives who choose to attend at the date, time and place mentioned in the Introduction. However, an authorization letter (as per **Proforma-III**) from the Bidder must be produced by the Bidder's representative at the time of Bid Opening. Unless this Letter is presented, the representative will not be allowed to attend the Bid Opening. The Bidder's representatives who are allowed to attend the Bid Opening shall sign a register evidencing their attendance. Only one representative against each Bid will be allowed to attend.
- 20.2 In technical bid opening, only "Technical Attachment" will be opened. Bidders therefore should ensure that technical bid is uploaded in the "Technical Attachment" Tab Page only in the E-portal.
- 20.3 In case of any unscheduled holiday or Bandh on the Bid Opening Date, the Bids will be opened on the next full working day. Accordingly, Bid Closing Date / time will get extended up to the next working day and time.
- 20.4 Bids which have been withdrawn pursuant to clause 18.0 shall not be opened. Company will examine bids to determine whether they are complete, whether requisite Bid Securities have been furnished, whether documents have been digitally signed and whether the bids are generally in order.
- 20.5 At bid opening, Company will announce the Bidder's names, written notifications of bid modifications or withdrawal, if any, the presence of requisite Bid Securing Declaration and such other details as the Company may consider appropriate.
- 20.6 Normally no clarifications shall be sought from the Bidders. However, for assisting in the evaluation of the bids especially on the issues where the Bidder confirms compliance in the evaluation and contradiction exists on the same issues due to lack of required supporting documents in the Bid (i.e. document is deficient or missing), or due to some statement at other place of the Bid (i.e. reconfirmation of confirmation) or vice versa, clarifications may be sought by OIL. In all the above situations, the Bidder will not be allowed to change the basic structure of the Bid already submitted by them and no change in the price or substance of the Bid shall be sought, offered or permitted.
- 20.7 Prior to the detailed evaluation, Company will determine the substantial responsiveness of each bid to the requirement of the Bid Documents. For purpose of these paragraphs, a substantially responsive bid is one, which conforms to all the terms and conditions of the Bid Document without material deviations or reservation. A material deviation or reservation is one which affects in any substantial way the scope, quality, or performance of work, or which limits in any substantial way, in-consistent way with the Bid Documents, the Company's right

or the bidder's obligations under the contract, and the rectification of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantial responsive bids. The Company's determination of Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.

- 20.8 A Bid determined as not substantially responsive will be rejected by the Company and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- 20.9 The Company may waive minor informality or nonconformity or irregularity in a Bid, which does not constitute a material deviation, provided such waiver, does not prejudice or affect the relative ranking of any Bidder.

21.0 OPENING OF PRICED BIDS:

- 21.1 Company will open the Priced Bids of the techno-commercially qualified Bidders on a specific date in presence of representatives of the qualified bidders.
- 21.2 In case of any unscheduled holiday or Bandh on the Priced Bid Opening Date, the Bids will be opened on the next working day.
- 21.3 The Company will examine the Price quoted by Bidders to determine whether they are complete, any computational errors have been made, the documents have been properly signed, and the bids are generally in order.

Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price (that is obtained by multiplying the unit price and quantity) the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between words, and figures, the amount in words will prevail. If any Bidder does not accept the correction of the errors, their Bid will be rejected.

22.0 EVALUATION AND COMPARISON OF BIDS: The Company will evaluate and compare the bids as per BID EVALUATION CRITERIA (BEC) of the Tender Documents.

- 22.1 Discounts/Rebates:
- 22.1.1 Unconditional discounts/rebates, if any, given in the bid will be considered for evaluation.
- 22.1.2 Post bid or conditional discounts/rebates offered by any bidder shall not be considered for evaluation of bids. However, if the lowest bidder happens to be the final acceptable bidder for award of contract, and if they have offered any discounts/rebates, the contract shall be awarded after taking into account such discounts/rebates.

23.0 CONTACTING THE COMPANY:

- 23.1 Except as otherwise provided in Clause 20.0 above, no Bidder shall contact Company on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded except as required by Company vide sub-clause 20.6.

- 23.2 An effort by a Bidder to influence the Company in the Company's bid evaluation, bid comparison or Contract award decisions may result in the rejection of their bid.

24.0 AWARD OF CONTRACT:

- 24.1 **Award criteria:** The Company will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

- 25.0 COMPANY'S RIGHT TO ACCEPT OR REJECT ANY BID:** Company reserves the right to accept or reject any or all bids and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidder, or bidders or any obligation to inform the affected bidder of the grounds for Company's action.

26.0 NOTIFICATION OF AWARD:

- 26.1 Prior to the expiry of the period of bid validity or extended validity, Company will notify the successful Bidder in writing by registered letter or by fax or E-mail (to be confirmed in writing by registered/couriered letter) that its Bid has been accepted.

- 26.2 The notification of award will constitute the formation of the Contract.

- 27.0 PERFORMANCE SECURITY:** Successful bidder has to submit Performance Security amount as mentioned in Introduction, within 02 Weeks from the date of issue of Letter of Award (LOA).

- 27.1 a. The Performance Security should be submitted in the form of irrevocable Bank Guarantee (as per **Proforma-VII**) issued by Nationalized or Scheduled Bank in favour of M/s Oil India Limited and payable at DULIAJAN. The Bank Guarantee must be on Non-Judicial Stamp Paper of requisite value as per Indian Stamp Act purchased in the name of Banker. Duly filled 'Undertaking' towards details of BG (Format attached as **Proforma-XII**) must be submitted along with original copy of PBG.

b. Alternately, the Performance Security can also be paid through Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt (Account OIL INDIA LIMITED)/irrevocable Letter of Credit/NEFT/RTGS/Electronic Fund Transfer (subject to credit in OIL's account within prescribed time) to designated account of OIL.

- i. If the Performance Security is submitted in the form of Bank Draft, Banker's Cheque, Cashier's Cheque, Fixed Deposit Receipt or Letter of Credit, the same should be in favour of "Oil India Limited" payable at Duliajan.
- ii. Performance Security amount through NEFT or RTGS mode may be deposited on or before bid closing date and time to the following designated OIL's bank account:

	Bank Details of Beneficiary: OIL INDIA LIMITED	
a	Bank Name	STATE BANK OF INDIA
b	Branch Name	Duliajan
c	Branch Address	Duliajan, Dist-Dibrugarh
d	Bank Account No.	10494832599
e	Type of Account	Current Account
f	IFSC Code	SBIN0002053
g	MICR Code	786002302
h	SWIFT Code	SBININBB479

If the Performance security is submitted through NEFT or RTGS mode, the bidder shall submit details such as **UTR No., Contract No., Bidder's name & Deposited Amount etc.**

c. In case of Bidders submitting Performance Security in the form of Bank Guarantee/Bank Draft/Cashier's Cheque/Banker's Cheque/Fixed Deposit Receipt/Letter of Credit, the original hard copy of Performance Security shall be submitted within the time frame as stipulated in the LOA.

d. No other mode of payment other than the mode covered under point nos. a & b will be accepted by the Company.

27.2 Performance Security shall not accrue any interest during its period of validity or extended validity.

27.3 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.

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

The above message / intimation shall be sent through SFMS (indicating the Contract Number) by the BG issuing bank branch to ICICI BANK LTD., Duliajan Branch; IFS Code – ICIC0000213; SWIFT Code – ICICINBBXXX; Branch Address: Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

	Bank Details of Beneficiary	
A	Bank Name	ICICI BANK LTD.
B	Branch Name	DULIAJAN
C	Branch Address	Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam-786602

D	IFSC Code	ICIC0000213
E	Company name	Oil India Limited
F	Unique Identifier Code (Field 7037)	OIL503988890
G	SWIFT Code	ICICINBBXXX

27.4 This Performance Security must be valid for 90 (Ninety) days after the date of expiry of the contract period/defect liability period (if any). In the event of contract being extended within the provisions of the contract agreement, the contractor will have to extend suitably the validity of the "Security Deposit" for the extended period.

27.5 The Performance Security Deposit will be refunded to the Contractor after 90 (Ninety) days of satisfactory completion of works/defect liability period (if any) under the contract (including extension, if any), but a part or whole of which shall be used by the Company in realization of liquidated damages or claims, if any or for adjustment of compensation or loss due to the Company for any reason.

27.6 **Submission of Performance Security in the form of Electronic Bank Guarantee (e-BG):**

Sl. No.	Bank Name	Sl. No.	Bank Name
1	Axis Bank limited	8	IDFC First Bank
2	Bank Of Baroda	9	Indian Bank
3	Canara Bank	10	Indian Overseas Bank
4	Federal Bank	11	IndusInd Bank
5	HDFC Bank Limited	12	State Bank of India
6	ICICI Bank Limited	13	South Indian Bank
7	IDBI Bank	14	Yes Bank

BENEFICIARY DETAILS FOR ISSUE OF E-BG

	Details of Beneficiary	
A	Name	OIL INDIA LIMITED
B	PAN	AAACO2352C
C	Date of Incorporation	18-02-1959
D	Email-ID	tridip.kalita@oilindia.in
E	Mobile No.	8638881600

	Details of Beneficiary			
F	Local Address	Duliajan,	Dibrugarh,	Assam-786602
G	Registered address	Duliajan,	Dibrugarh,	Assam-786602

- 27.7 In case of submission of performance security in the form of fixed/term deposit, the following details must be attached in the form of declaration by the contractor for confirmation of Term deposit/Fixed Deposit from the issuing bank.

Full address of the issuing bank
Branch Code
Authorised signatory with full name and designation
Phone (Mobile) Numbers of the branch
Email address of the branch
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"

In addition to above, the contractor shall arrange for a confirmation mail regarding issue of Term deposit/Fixed Deposit along with the following details mentioned below 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

28.0 SIGNING OF CONTRACT:

- 28.1 At the same time as the Company notifies the successful Bidder that its Bid has been accepted, the Company will either call the successful Bidder for signing of the agreement or send the Contract Form provided in the Bid Documents, along with the General & Special Conditions of Contract, Technical Specifications, Schedule of Rates incorporating all agreements agreed between the two parties.

28.2 The successful Bidder shall sign and date the contract and return it to the Company after receipt of LOA. Till the contract is signed, the LOA issued to the successful bidder shall remain binding amongst the two parties.

28.3 In the event of failure on the part of the successful Bidder to sign the contract, OIL reserves the right to terminate the LOA issued to the successful Bidder and invoke the Performance Security if submitted by the successful Bidder. The bidder will be suspended for the period of two years. This suspension of two years shall be automatic without conducting any enquiry.

29.0 CREDIT FACILITY: Bidders should indicate clearly in the Bid about availability of any credit facility inclusive of Government-to-Government credits indicating the applicable terms and conditions of such credit.

30.0 MOBILISATION AND ADVANCE PAYMENT:

30.1 Request for advance payment shall not be normally considered. However, depending on the merit and at the discretion of the Company, advance against mobilization charge may be given at an interest rate of 1% above the prevailing Bank rate (CC rate) of SBI from the date of payment of the advance till recovery/refund.

30.2 Advance payment agreed to by the Company shall be paid only against submission of an acceptable bank guarantee whose value should be equivalent to the amount of advance plus the amount of interest covering the period of advance. Bank guarantee shall be valid for 2 months beyond completion of mobilization and the same may be invoked in the event of Contractor's failure to mobilize as per agreement.

30.3 In the event of any extension to the mobilization period, Contractor shall have to enhance the value of the bank guarantee to cover the interest for the extended period and also to extend the validity of bank guarantee accordingly.

31.0 INTEGRITY PACT:

31.1 The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide "PART-VI Integrity Pact" 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 Un-priced Techno-Commercial Bid) duly signed by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact digitally will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid.

31.2 In case of a joint venture, all the partners of the joint venture should sign the Integrity pact;

31.3 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 Independent External Monitors (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 organization may

take further action as per the terms and conditions of the contract. The fees/expenses on dispute resolution shall be equally shared by both the parties.

- 31.4 OIL has appointed Shri Ram Phal Pawar, IPS (Retd.), Former Director, NCRB, MHA), Dr. Tejendra Mohan Bhasin, Former Vigilance Commissioner, CVC and Shri Om Prakash Singh, IPS (Retd.) as Independent External Monitors (IEM) for a period of 03 (Three) years to oversee implementation of Integrity Pact in OIL. Bidders may contact the Independent External Monitors for any matter relating to the Integrity Pact at the following addresses:

- a. Shri Ram Phal Pawar, IPS (Retd.), Former Director, NCRB, MHA
E-mail: rpawar61@hotmail.com, ramphal.pawar@ips.gov.in
- b. Dr. Tejendra Mohan Bhasin, Former Vigilance Commissioner, CVC
E-mail: tmbhasin@gmail.com
- c. Shri Ajit Mohan Sharan, IAS (Retd.), Former Secretary, Ministry of Ayush
E-mail: ams057@gmail.com

31.0 LOCAL CONDITIONS:

It is imperative for each Bidder to be fully informed themselves of all Indian as well as local conditions, factors and legislation which may have any effect on the execution of the work covered under the Bidding Document. The bidders shall be deemed, prior to submitting their bids to have satisfied themselves of all the aspects covering the nature of the work as stipulated in the Bidding Document and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.

No request will be considered for clarifications from the Company (OIL) regarding such conditions, factors and legislation. It is understood and agreed that such conditions, factors and legislation have been properly investigated and considered by the Bidders while submitting the Bids. Failure to do so shall not relieve the Bidders from responsibility to estimate properly the cost of performing the work within the provided timeframe. Company (OIL) will assume no responsibility for any understandings or representations concerning conditions made by any of their officers prior to award of the Contract. Company (OIL) shall not permit any Changes to the time schedule of the Contract or any financial adjustments arising from the Bidder's lack of knowledge and its effect on the cost of execution of the Contract.

- 32.0 SPECIFICATIONS:** Before submission of Bids, Bidders are requested to make themselves fully conversant with all Conditions of the Bid Document and other relevant information related to the works/services to be executed under the contract.

33.0 GOODS AND SERVICES TAX:

- 33.1 In view of **GST** Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST / VAT, Service tax, Entry Tax and other indirect taxes and duties have been submerged in **GST**. Accordingly, reference of Excise Duty, Service Tax, VAT, Sales Tax, Entry Tax or any other form of indirect tax except of **GST** mentioned in the bidding document shall be ignored.

Bidders are required to submit copy of the GST Registration Certificate while submitting the bids wherever **GST** (CGST & SGST / UTGST or IGST) is applicable.

- 33.2 Bidder should also mention the **Harmonised System of Nomenclature (HSN)** and **Service Accounting Codes (SAC)** at the designated place in the Price Bid Format.

- 33.3 **Where the OIL is entitled to avail the input tax credit of GST:**

OIL will reimburse the GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/regulation of GST to enable OIL to claim input tax credit of GST paid. In case of any variation in the executed quantities, the amount on which the GST is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws & rules should be timely filed by supplier with requisite details.

The input tax credit of **GST** quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.

- 33.4 **Where the OIL is not entitled to avail/take the full input tax credit of GST:**

OIL will reimburse GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules / regulation of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and / or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

The bids will be evaluated based on total price including GST.

- 33.5 It is the responsibility of the bidder to quote the correct GST rate. The classification of goods / services as per GST (Goods & Service Tax) Act should be correctly done by the contractor to ensure that input tax credit on GST (Goods & Service Tax) is not lost to the OIL on account of any error on the part of the contractor.
- 33.6 Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.
- 33.7 GST liability, if any, on account of supply of free samples against any tender shall be to bidder's account.
- 33.8 In case the bidder is covered under Composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST / UTGST or IGST). Further, such bidder should mention "Cover under composition system" in column for GST (CGST & SGST/UTGST or IGST) of price schedule.
- 33.9 OIL will prefer to deal with registered supplier of goods / services under GST. Therefore, bidders are requested to get themselves registered under GST, if not

registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid. Where OIL is entitled for input credit of GST, the same will be considered for evaluation of bid as per evaluation methodology of tender document.

33.10 Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy. However, under GST regime, IGST Plus GST compensation cess (if applicable) would be leviable on such imports. Bidders should quote GST as inclusive considering IGST component for the imported Materials portion while quoting their prices on destination basis. However, GST rate to be specified in the price bid format.

33.11 The Supplier of Goods / Services may note the Anti-profiteering Clause (Clause No. 12.5) of Part-I GCC and quote their prices accordingly.

33.12 In case the GST rating of bidder on the GST portal / Govt. official website is negative / black listed, then the bid may be rejected by OIL.

34.0 Bidders may contact the following in case of any query against the tender:

E-mail: contracts-operations@oilindia.in

Bidders are advised to submit their queries, if any, within 15 days from the date of tender publication. OIL shall not be liable to respond to any queries received after the stipulated deadline.

*****X*****

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

GENERAL CONFORMITY: The bid shall conform to the specifications and terms and conditions given in the Bidding Documents. Bids shall be rejected in case material and services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bid to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and will not be considered for evaluation. All the documents related to BEC shall be submitted along with the Technical Bid.

1.0 ELIGIBILITY CRITERIA:

The bidder must be incorporated/registered in India and must maintain more than or equal to 20% local content (LC) for the offered services to be eligible to bid against this tender.

Regarding calculation of local content and submission of documents during bidding & execution of contracts, provision of Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India and as amended time to time with modifications as notified vide MoPNG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022 (including subsequent amendments thereof, if any) shall be applicable.

Whether **or not** the bidders want to avail PP-LC benefit against this tender, it is mandatory for them to meet the following at the bidding stage:

- (a) The bidder must provide the **specific percentage (%) of local content** in their bid, without which the bid shall be liable for rejection being non-compliant.
- (b) The Bidder shall submit an undertaking from their authorised signatory having the Power of Attorney along with the bid categorically specifying the LC Percentage and such undertaking shall become a part of the contract, if awarded [**Format enclosed as Proforma-XIII**].
- (c) Bidder to submit a copy of their Certificate of Incorporation/Registration or any other valid document(s) which substantially establishes its constitution in India.

2.0 TECHNICAL EVALUATION CRITERIA**2.1 EXPERIENCE CRITERIA:**

The bidder must have experience in successfully executing/ completing at least one **“SIMILAR WORK”** of minimum value of **₹ 3,16,33,500.00 (Rupees Three Crore Sixteen Lakh Thirty-Three Thousand Five Hundred only)** under single contract during the last 07 (seven) years reckoned from the original bid closing date in Central Govt. / State Govt. / Public Sector Undertaking / State Govt. Enterprise / Upstream or Midstream or Downstream Oil and Gas Company.

Or

The bidder must have experience in successfully executing/ completing at least one **“SIMILAR WORK”** for minimum pipeline length of **104.00 km** under single contract during the last 07 (seven) years reckoned from the original bid closing date in Central Govt. / State Govt. / Public Sector Undertaking / State Govt. Enterprise / Upstream or Midstream or Downstream Oil and Gas Company.

Notes to BEC Clause 2.1 above:

- I. “SIMILAR WORK” means Experience in Installation and Commissioning of Permanent Cathodic Protection for hydrocarbon pipeline system (diameter of pipeline 8" and above) including supply of materials.**
- II.** Proof of requisite Experience, viz. award and subsequent successful execution/completion of **“SIMILAR WORK”** (refer Clause no. 2.1 above), must be substantiated by submission of the following documents along with the bid:
 - (A) Contract document/ Letter of Intent (LOI)/Letter of Award (LOA)/ Work Order showing detailed scope of work in line with Clause 2.1 above,
AND
 - (B) Job Completion Certificate showing:
 - (i) Gross value/quantity of job done
 - (ii) Nature of job done and Work order no./Contract no.
 - (iii) Contract period and date of completionOR
SES (Service Entry Sheet)/Certificate of Payment (COP) issued by the company indicating the following:
 - (i) Work order no./Contract no.
 - (ii) Gross value/quantity of job done
 - (iii) Period of Service
 - (iv) Nature of Service
- III.** Following work experience shall also be taken into consideration:
 - (i) If the bidder has executed contract in which **“SIMILAR WORK”** defined above is also a component of the contract.
 - (ii) In case the start date of the requisite experience is beyond the prescribed 07 (seven) years reckoned from the original bid closing date but completion is within the prescribed 07 (seven) years reckoned from the original bid closing date and the value/quantity/ period executed within the last 07 (seven) years reckoned from the original bid closing date is equal to or more than the minimum quantum prescribed in the BEC.
 - (iii) If the bidder is executing **“SIMILAR WORK”** which is still running, and the contract value/quantity/ period executed prior to original bid closing date is equal to or more than the minimum quantum prescribed in the BEC.

- For proof of requisite experience against **Para (III) (i), (ii) & (iii)** above, to satisfy a) **“SIMILAR WORK”** b) Minimum prescribed value/quantity/period c) Prescribed period of 07 (seven) years, Bidder(s) must submit the Contract document and Letter of Award (LOA) and Work Order showing details of work along with breakup of **“SIMILAR WORK”** and its value / quantity / period executed within the prescribed period of 07 (seven) years reckoned from the original bid closing date. The executed work must be certified by the end user and must be supplemented with a certificate clearly specifying the period and value, issued by end user or a practicing Chartered/Cost Accountant Firm (with Membership Number & Firm Registration Number).
- IV.** In case of **‘SIMILAR WORK’** executed through ‘sub-contracting’, the bidder shall submit relevant documents as mentioned under para **‘II’** and/or **‘III’** mentioned under **“Notes to BEC Clause 2.1 above”**, along with confirmation towards consent of the client organization/end user for allowing ‘sub-contracting’.
- V.** In case requisite experience is against **OIL's Contract**, the bidder need not submit requisite documentary evidence but must categorically specify OIL's Contract Number and date against which they have executed the work.
- VI.** Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s) are not acceptable as evidence of experience.
- VII.** Mere award of contract(s) will not be counted towards experience. Successful completion of the awarded contract(s) to the extent of volume/value/period, as stipulated under Clause No. 2.1 will only be treated as acceptable experience.
- VIII.** **“SIMILAR WORK”** experience executed by a bidder for its own organization/subsidiary/Joint Venture cannot be considered as experience for the purpose of meeting BEC.
- IX.** Bids submitted for part of the **“SIMILAR WORK”** will be rejected.
- X.** Bid will be rejected if not accompanied with adequate documentary proof in support of **“SIMILAR WORK”** experience as mentioned in Para 2.1.

2.2 EQUIPMENT DEPLOYMENT AND MANPOWER CRITERIA:

2.2.1 Bidder shall meet the minimum equipment requirement as specified in Annexure- A to Part-III SCC of this tender.

Documents Required for Qualification:

- A. The bidder shall submit the certificate from chartered accountant/ Statutory Auditor (for ‘ownership / possession’ of equipment) as per Format F-1 enclosed in the tender.
- B. The bidder must provide an undertaking in their official letter head with the declaration as follows:

“During mobilization of the contract, the owned equipment as certified in Format F-1 shall be available at Duliajan for physical verification by a company representative, and in the event of failure to produce the equipment at Duliajan during mobilization, mobilization shall be construed as incomplete.”

Bids without adequate documentary proof as per clause no. Bids received without adequate documentary proof as per clause no. 2.2.1 above, shall be liable for rejection.

2.2.2 Bidder must declare the name of their Cathodic Protection Engineer (1 person) and Technician (3 persons), and they shall be under the payroll of the bidder's company/ firm as “permanent employees”, for at least past one year, with a minimum working experience as mentioned under SCC, sub-clause 20.0.

To substantiate the permanent employment of employees, the bidder must submit the past one-year salary payment statements, PF documents along with bank transactions with the bid. Non submission of the same shall be liable for rejection.

3.0 FINANCIAL EVALUATION CRITERIA:

3.1 Annual Financial Turnover from operations of the bidder during any of preceding 03 (Three) financial/accounting years from the original bid closing date should be at least **Rs. 1,58,16,700.00 (Rupees One Crore Fifty-Eight Lakh Sixteen Thousand Seven Hundred only).**

[Annual Financial Turnover of the bidder from operations shall mean: “Aggregate value of the realisation 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).]

3.2 Net worth of the bidder must be Positive for the preceding financial/accounting year.

[Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium account (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".]

Notes to BEC Clause 3.0 above:

- a. For proof of Annual Turnover & Net worth, any one of the following documents/photocopies must be submitted along with the bid:
 - (i) Audited Balance Sheet along with Profit & Loss account.
OR
 - (ii) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), as per format prescribed in **Proforma-XIV**.

Note : Mention of UDIN (Unique Document Identification Number) is mandatory for all Certificates issued w.e.f. February 1, 2019 by Chartered Accountant in Practice.

- b.** Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months/within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time) 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 undertaking in support of the same along with their technical bid as per **Proforma-X**.
- c.** 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.
- d.** In case the bidder is a Government Department, they are exempted from submission of document mentioned under para **a.** and **b.** above.
- e.** Bid will be rejected if not accompanied with adequate documentary proof in support of Annual turnover and Net worth as mentioned in Para 3.1 & 3.2.

4.0 COMMERCIAL EVALUATION CRITERIA:

4.1 The bids are to be submitted in single stage under Two Bid System i.e. Un-priced Techno-Commercial Bid and Price Bid together. Only the Price Bid should contain the quoted price.

4.2 The price quoted by the successful bidder must be firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document. Any bid submitted with adjustable price quotation other than the above will be treated as non-responsive and rejected.

4.3 Bid security shall be furnished as a part of the Techno Commercial Un-priced Bid. The amount of bid security should be as specified in the forwarding letter. Any bid not accompanied by a proper bid security will be rejected. PPP [Public Procurement policy] for Micro and Small Enterprises is **not applicable** for this tender (**being works contract tender**). Hence, Purchase Preferences allowed as per Government Guidelines in Vogue and exemption from submission of bid security against MSE Units is **not applicable** for this tender. For details of submission of bid security bidder may refer ITB Clauses Nos. 12.0 of the tender.

4.4 Bid Documents/User Id & Password for OIL's E-Tender portal are not transferable.

4.5 Any bid received in the form of Physical document/ Telex/Cable/Fax/E-mail will not be accepted.

4.6 Bids shall be typed or written in indelible ink. The bidder or his authorized representative shall sign the bid digitally, failing which the bid will be rejected.

4.7 Bids shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initiated by the persons(s) signing (digitally) the bid. However, white fluid should not be used for making corrections. Any bid not meeting this requirement shall be rejected.

4.8 Any bid containing false statement will be rejected and action will be taken by Company as per Bid Document.

4.9 Bidders must quote clearly and strictly in accordance with the price schedule outlined in Price Bidding Format attached under "Notes and Attachments" tab in the main bidding engine of OIL's E-Tender portal; otherwise the bid will be rejected. All other techno-commercial documents other than price details to be submitted with Unpriced Techno-Commercial Bid as per tender requirement under "Technical Attachment" Tab Page only.

4.10 Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected:

- (i)** Firm price
- (ii)** EMD / Bid Security/ Bid Bond
- (iii)** Period of validity of Bid
- (iv)** Price Schedule
- (v)** Performance Bank Guarantee / Security deposit
- (vi)** Delivery / Completion Schedule
- (vii)** Scope of work
- (viii)** Guarantee of material / work
- (ix)** Liquidated Damages clause
- (x)** Tax liabilities
- (xi)** Arbitration / Resolution of Dispute Clause
- (xii)** Force Majeure
- (xiii)** Applicable Laws
- (xiv)** Specifications
- (xv)** Integrity Pact

4.11 There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.

4.12 Bid received with validity of offer less than 120 (one hundred twenty) days from Bid Opening Date will be rejected.

4.13 The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide “**Part-VI/Integrity Pact**” 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 Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid.

4.14 Bidders shall submit declaration as per **Appendix-1** that they are neither bankrupt nor undergoing any insolvency resolution process or liquidation or bankruptcy proceeding under any law OR no insolvency resolution process or liquidation or bankruptcy proceeding is initiated under any law against them.

4.15 Bidders shall submit declaration as per **Appendix-2** confirming that neither the bidder nor any of their allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently put on holiday list/banning list by OIL debarring them from carrying on business dealings with OIL.

5.0 PRICE EVALUATION CRITERIA:

5.1 Price bid shall be opened in respect of only the techno-commercially acceptable bidders whose bids have been found to be substantially responsive. A substantially responsive bid is one that meets the terms and conditions of the Tender and/or the acceptance of which bid will not result in indeterminate liability on OIL.

5.2 Bidders are required to quote for all the items as per Price Bid Format, otherwise the offer of the bidder will be straightway rejected.

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

5.5 The quantities shown against each item in the "Price Bid Format" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities for various operations are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameter, as the case may be.

5.6 The bidders are advised not to offer any discount/rebate separately and to offer their prices in the Price Bid Format after considering discount/rebate, if any.

5.7 Conditional and unsolicited discount will not be considered in evaluation. However, if such bidder happens to be the lowest recommended bidder, unsolicited discount without any condition will be considered for computing the contract price.

5.8 In case of identical overall lowest offered rate by more than 1(one) bidder, the selection will be made by draw of lots between the parties offering the same overall lowest price.

5.9 Price Bids shall be evaluated on overall lowest cost to OIL (L-1 offer) basis i.e. considering total quoted price for all services including quoted GST (CGST & SGST/UTGST or IGST).

5.10 OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet.

However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.

5.11 Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST.

When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.

5.12 Input Tax Credit on GST (Goods & Service Tax) for this service is NOT available to OIL & the bids will be evaluated based on total price including GST.

5.13 Based on the evaluation of techno-commercially qualified bidders, the job will be awarded to L-1 bidder.

6.0 GENERAL:

6.1 In case bidder takes exception to any clause of bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC/BRC.

6.2 To ascertain the substantial responsiveness of the bid the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC/BRC also and such clarifications fulfilling the BEC/BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be evaluated based on the submission. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.

6.3 If any of the clauses in the BEC/BRC contradict with other clauses of bidding document elsewhere, the clauses in the BEC/BRC shall prevail.

6.4 Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC/BRC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise Bids shall be rejected.

6.5 OIL will not be responsible for delay, loss or non-receipt of applications for participating in the bid sent by mail and will not entertain any correspondence in this regard.

6.6 The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for.

6.7 The constituent of a bidder [member/partner], if any, are not allowed to bid directly or indirectly (through any other arrangement) against this tender. In such cases, all such bids shall be categorically rejected.

7.0 PURCHASE PREFERENCE CLAUSE:

7.1 PURCHASE PREFERENCE TO MSE BIDDERS: Purchase Preference allowed as per Government Guidelines in Vogue and PPP [Public Procurement policy] for Micro and Small Enterprises is **not applicable** for this tender (being works contract tender).

7.2 PURCHASE PREFERENCE POLICY (LINKED WITH LOCAL CONTENT) (PP-LC): Purchase preference under Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India and as amended time to time with modifications as notified vide MoPNG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022, shall be applicable in this tender. Bidders to check the provisions of the Order for their eligibility to bid and seek benefits for Purchase preference, accordingly. Purchase preference will be applicable as per the Notification(s) and any amendment thereof.

Bidders seeking benefits, under Purchase Preference Policy (PP-MII) shall have to comply with all the provisions of Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022 or subsequent amendments, if any.

8.0 AWARD OF CONTRACT: The contract for hiring of the tendered services shall be awarded as below:

A. L-1 bidder is a Class I PPLC bidder: In case if the L1 bidder is a Class I PPLC bidder, the contract shall be awarded to the L1 Class I PPLC bidder.

B. L-1 Bidder is other than Class I PPLC: In case if the L1 bidder is not a Class I PPLC bidder, then preference shall be given to the lowest eligible Class I PPLC bidder falling within the price band of L1+20%. If such Class I PPLC bidder agrees to match the price of L1 bidder, then the contract shall be awarded to them, else offer shall be given to the next higher Class I PPLC bidder within price band of L1+20% and so on.

In case none of the Class I PPLC bidder within price band of L1+20% accept the L1 price, then the contract shall be awarded to L1 bidder.

9.0 VERIFICATION AND CERTIFICATION OF DOCUMENTS BY INDEPENDENT THIRD- PARTY INSPECTION AGENCIES:

9.1 Oil India Limited (OIL) has engaged the following 09 (Nine) Independent Inspection Agencies for a period of 04 (four) years with effect from 06.05.2020 to verify and certify various documents required against BEC/BRC of the tender:

Sl. No	Name of Independent Inspection Agency	Contact E-mail ID
i.	M/s. RINA India Pvt. Ltd.	a. ssd@rina.org b. Andrea.Vattuone@rina.org
ii.	M/s. Dr. Amin Controllers Pvt. Ltd.	a. rkjain@rcaindia.net b. info@rcaindia.net
iii.	M/s. DNV Inspection India Pvt. Ltd	a. mangesh.gaonkar@dnv.com
iv.	M/s. TÜV SÜD South Asia Pvt. Ltd.	b. Jaimin.Bhatt@tuv-sud.in c. sanjaykumar.singh@tuv-sud.in d. Pankaj.Narkhede@tuv-sud.in e. Ajit.Yadav@tuv-sud.in
v.	M/s. IRCLASS Systems and Solutions Private Limited	a. abhishek.singh@irclass.org b. pradeep.bansal@irclass.org c. Asim.Hajwani@irclass.org d. Amit.Ketkar@irclass.org e. industrial_services@irclass.org
vi.	M/s. Gulf Llyods Industrial Services (India) Pvt. Ltd.	a. contact@gulflloyds.com b. bbhavsar@gulflloyds.com c. inspection@gulflloyds.com d. gulflloyds.india@gmail.com
vii.	M/s. TUV India Private Limited	a. salim@tuv-nord.com b. delhi@tuv_nord.com
viii.	M/s. TÜV Rheinland (India) Pvt. Ltd.	a. Shailesh.Deotale@ind.tuv.com b. ravi.kumar@ind.tuv.com c. rupeshkumar.singh@ind.tuv.com d. Neeraj.Chaturvedi@ind.tuv.com
ix.	M/s. Bureau Veritas (India) Private Limited	a. udit.chopra@bureauveritas.com b. vishal.sapale@bureauveritas.com c. dinesh.sukhramani@bureauveritas.com d. p.sridhar@bureauveritas.com e. hariprasad.jhawar@bureauveritas.com f. amit.shaw@bureauveritas.com g. business.support@bureauveritas.com h. labhanshu.sharma@bureauveritas.com i. pramodkumar.yadav@bureauveritas.com j. sonal.lad@bureauveritas.com k. bvindia.corporate@in.bureauveritas.com

9.2 The Bidders have to get verified and certified the various documents required against BEC/BRC of the tender by anyone of the above Independent Inspection Agencies and submit the duly certified **Inspection Certificate** (as per format enclosed as **PROFORMA-XV**) by the Inspection Agencies along with the Technical Bid of the Tender. All Charges of the Third-party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and Payments on account of above inspection, verification and certification shall be made directly by the

Bidder to the Inspection Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third-Party Inspection Agencies.

9.3 As mentioned above, Bidder(s) have to submit the verified documents along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid along with all relevant supporting documents as per BEC/BRC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an **Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within 07 (Seven) days of bid opening.** Company will neither send any reminder nor seek any clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within 07 (Seven) days of bid opening at its own risk and responsibility.

9.4 The methodology of inspection/ verification of documents followed by the agencies is broadly as under but not limited to:

- (a) It is obligatory on the part of the interested Bidders, who choose to participate against the tender, to understand the tender requirements in entirety and the requisite documents sought for in support of the Bid Rejection & Bid Evaluation Criteria (BEC/BRC) mentioned in the tender in particular. The Bidder must produce all the appropriate documents before any of the OIL's empaneled third-party certifying agencies for verification/certification. Neither OIL nor the third-party certifying agency shall be held accountable in any manner regarding the choice of documents by the bidder for verification. Therefore, getting the appropriate documents inspected/verified by the agency in support of BEC/BRC clauses is the sole responsibility of the Bidder.
- (b) The prospective bidder shall contact any of the empaneled inspection agencies. The agency shall go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. They shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification of documents by OIL's empaneled third-party agency shall not automatically make the bidder eligible for award of contract.
- (c) Verification of documents are normally categorized as under:
 - i General Requirement:**
 - Check Bidder's PAN Card
 - Check Bidder's GST Certificate
 - Check ITR of company – last three years (minimum)
 - Check Bidder's Certificate of Incorporation – Domestic Bidder.

ii Additional Documents: (If applicable against the tender)

- Joint Ventures Agreements – To cross-check with JV Partners
- Consortium Agreements – To cross-check with Consortium Partners
- Holding/Parent/Subsidiary/Sister Subsidiary/Co-Subsidiary Company – To check the Share Holding pattern

iii Technical Criteria

- To check Experience Proof- Completion Certificates, Reference contact verification, Original Work Order/Contract Copy and any other document(s), if called for vide BEC/BRC of the Tender.

Notes:

- (i) If any documents LOI/LOA/Contracts etc. are submitted towards BEC/BRC experience criteria issued by Oil India Limited, such documents need not be verified by TPI agency. Self-Undertaking furnished by the bidder in support of their bid may not be TPI verified.
- (ii) Format for Inspection Certificate from TPI Agency as per format (**Proforma-XV**) enclosed should be submitted along with the Bid.

10.0 RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES LAND BORDER WITH INDIA: Bidders must submit Undertakings as mentioned in the Forwarding Letter that their bid is compliant to Order No. F.7/10/2021-PPD (1) dated 23.02.2023 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division, Govt. of India (including subsequent amendments thereto, if any), regarding restrictions on procurement from a bidder of a country which shares land border with India.

11.0 DOCUMENT AUTHENTICITY UNDERTAKING: Bidders should note that Company (OIL) may verify authenticity of all the documents/certificates /information submitted by the bidder(s) against the tender. In case at any stage of tendering process or Contract execution etc., if it is established that bidder has submitted forged documents / certificates / information towards fulfilment of any of the tender / contract conditions, Company shall immediately reject the bid of such bidder(s) or cancel / terminate the contract besides taking action as per OIL's Banning Policy, available in the OIL's website. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per **Proforma-IX**.

12.0 CHECKLIST FOR BEC-BRC: Enclosed as TECHNICAL EVALUATION SHEET (PROFORMA-XVII) and COMMERCIAL CHECK-LIST (PROFORMA-XI). To be submitted along with the technical bid.

13.0 CUSTOMS DUTY: In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty @12% (BCD Nil & IGST @12%) subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 02/2022- Customs dated 01.02.2022.

Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 03/2017.

Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 02/2022-Customs dated 01.02.2022 while quoting their prices. Bidder should consider concessional Customs Duty only for those items appearing in List-33 therein. Items of their import other than those appearing in List-33 of the said gazette notification shall be considered as duty payable on merit basis in their respective bid. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022- Customs dated 01.02.2022, such applicable customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.

Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof must be included by the bidder in their respective bid value. OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL. Additionally, for all those items against which the bidder considers the Customs Duty on merit, the list specifying the Customs Duty Rate (percentage) may be furnished, so that subsequent increase/decrease in Customs Duty, if any shall be reimbursed/recovered by OIL as the case may be on documentary evidence.

Bidders should submit the list of items which are to be imported for execution of the contract against this tender as per **Proforma-A** prudently along with their bid. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provide the same are included in the **Proforma-A** submitted by the bidder.

Note: The above stipulations shall prevail over other clauses if stipulated otherwise elsewhere in the original tender document/previous amendments. However, the aforementioned notifications are subject to change as per Government guidelines and the provisions ruling at the time of Bid Closing will be applicable.

14.0 COMPLIANCE OF THE COMPETITION ACT, 2002: The bidder shall strictly comply with the provisions of the Competition Act, 2002, more particularly, Section-3 of the Act. Any violation the provisions of the Act shall attract penal action under the Act.

GENERAL CONDITIONS OF CONTRACT (GCC)**1.0 APPLICABILITY, DEFINITION & INTERPRETATION:****1.1 Applicability**

All clauses in the General Conditions of Contract [GCC] shall apply to all transactions except as otherwise stated in the Special Conditions of Contract [SCC] and/or BEC-BRC. Furthermore, in the event if there is any conflict between the Principal text of the Agreement and the Appendixes, the Principal text will prevail.

1.2 Definition & Interpretation

In the contract (as hereinafter defined) the following words and expressions shall have the meaning hereby assigned to them except where the context otherwise requires:

1.2.1 COMPANY/OIL/Operator:

Shall mean Oil India Limited [OIL] a public sector undertaking, incorporated under COMPANY's Act 1956 having its registered office at Duliajan-786602, Assam, India and includes its successor and permitted assigns.

1.2.2 CONTRACTOR:

Shall mean the person or persons, firm or COMPANY or corporation incorporated in India or abroad, who has been awarded with the contract and includes contractor's legal representatives, his successors and permitted assigns.

1.2.3 Contract:

Shall mean a written agreement between the COMPANY and the CONTRACTOR for execution of the services/works including all contract documents and subsequent amendments, if any.

1.2.4 Site:

Shall mean the place in which the operations/services are to be carried out or places approved by OIL for the purposes of the CONTRACT together with any other places designated in the CONTRACT as forming part of the site.

1.2.5 COMPANY's Site Representative/Engineer:

Shall mean the person or the persons appointed by the COMPANY from time to time to act on its behalf at the site for overall co- ordination, supervision and project management at site.

1.2.6 Sub-Contract:

Shall mean order/ contract placed by the CONTRACTOR for any portion of the CONTRACT or work sublet with necessary written consent of COMPANY on third party. Such sub-letting shall not relieve the CONTRACTOR from any obligation, duty or responsibility under the CONTRACT.

1.2.7 Sub-Contractor:

Shall mean any person or firm or COMPANY (other than CONTRACTOR) to whom any part of the work has been entrusted by CONTRACTOR, with written consent of OIL or the persons appointed by OIL, successors and permitted assigns of such persons, firm or COMPANY.

1.2.8 Contractor's Representative:

Shall mean such person/or persons duly appointed representative at the site and base as the CONTRACTOR may designate in writing to the COMPANY as having authority to act for the CONTRACTOR in matters affecting the work and to provide the requisite services.

1.2.9 Contract Price/Value:

Shall mean the sum accepted or the sum calculated in accordance with the rates accepted in tender and/or the contract rates as payable to the CONTRACTOR for the entire execution and completion of the services/works, including amendments/modification/change order issued by the COMPANY.

1.2.10 Firm price:

The prices will remain unchanged, except for statutory changes, during currency of the CONTRACT unless specifically agreed to in writing by COMPANY.

1.2.11 Service/Works/Operations:

Shall mean and include all items and things to be supplied/done and all work /Service to be performed by the CONTRACTOR as specified in the Scope of Work under this CONTRACT and shall also include all extra, additional, altered or substituted works/services as required for the purpose of successful execution of the Contract.

1.2.12 Equipment/Materials/Goods :

Shall mean and include any equipment, machinery, instruments, stores, goods which CONTRACTOR is required to provide to the COMPANY for/under the CONTRACT and amendments thereto.

1.2.13 Drawings:

Shall mean and include all Engineering sketches, general arrangements/ layout drawings, sectional plans, all elevations, photographs, etc. related to the CONTRACT together with modification and revision thereto.

1.2.14 Specifications:

Means and includes all technical specifications, provision attached and referred to in the tender/contract document regarding method and manner of performing the services and qualities of the service/materials to be provided under the contract and also as modified by the COMPANY/its site representative during the execution of contract in the best interest of service.

1.2.15 Engineer In-charge (EIC):

Shall mean the person designated from time to time by the COMPANY and shall include those who are expressly authorized by the COMPANY to act for and on its behalf for operation of the contract.

1.2.16 Inspectors:

Shall mean any person or outside Agency nominated by COMPANY to inspect equipment, materials and services, if any, in the CONTRACT (stage wise as well as final) as per the terms of the CONTRACT.

1.2.17 Tests:

Shall mean such process or processes to be carried out by the CONTRACTOR as are prescribed in the CONTRACT, considered necessary by the COMPANY or their representative to ascertain quality, workmanship, performance and efficiency of equipment or services thereof.

1.2.18 Approval:

Shall mean and include the written consent duly signed by COMPANY or their authorized official in respect of all documents, drawings or other particulars in relation to the CONTRACT

1.2.19 Day:

Shall mean a calendar day of twenty –four (24) consecutive hours beginning at 00:00 hours with reference to local time at the site.

1.2.20 Month:

Shall mean a calendar month as per Gregorian calendar.

1.2.21 Year:

Shall mean calendar year as per Gregorian calendar.

1.2.22 Working day:

Means any day which is not declared to be holiday by the COMPANY.

1.2.23 Bid/offer:

Shall mean the proposal/Offer along with supporting documents submitted by the bidder in response to the tender or enquiry in accordance with the terms of Tender or Enquiry, for consideration by COMPANY, prior to award of contract.

1.2.24 Guarantee:

Shall mean the period and other conditions governing the warranty/guarantee of the services as provided in the CONTRACT.

1.2.25 Mobilization:

Shall mean rendering the equipment fully manned and equipped as per CONTRACT and ready to begin work at site designated by the COMPANY and accepted by the COMPANY after inspection.

1.2.26 De-mobilization:

Shall mean the removal of all items forming part of the Mobilization from the site of the COMPANY and inspection and acceptance thereafter by the COMPANY including compliance of requirement in relation to re-export of imported equipment/materials under concessional duty scheme in accordance with relevant notification from Customs Authorities.

1.2.27 Willful Misconduct:

Shall mean intentional disregard of good and prudent standards of performance or proper conduct under the Contract with knowledge that it is likely to result in any injury to any person or persons or loss or damage of property of the Company or Third Party.

1.2.28 Gross Negligence:

Shall mean any act or failure to act (whether sole, joint or concurrent) by a person or entity which was intended to cause, or which was in reckless disregard of or unjustifiable indifference to, avoidable and harmful consequences such person or entity knew, or should have known, would result from such act or failure to act. Notwithstanding the foregoing, Gross negligence shall not include any action taken in good faith for the safeguard of life or property.

1.2.29 Criminal Negligence:

Shall mean that the crime happened negligently, there was duty of care upon the Person but inadvertently due to his negligence, the duty was breached, which causes harm to the people in the form of death or serious injury.

1.2.30 GST Legislations:

‘GST legislations’ means ‘any or all of the following legislations as may be applicable to the CONTRACTOR and OIL:

- (A) The Central Goods & Services Tax Act, 2017;
- (B) The Integrated Goods & Services Act, 2017;
- (C) The Union Territory Goods & Services Tax Act, 2017;
- (D) The respective State Goods & Service Tax Acts’
- (E) The Goods and Services (Compensation to States) Act, 2017
- (F) The Customs Act and the Customs Tariff Act.
- (G) Any other applicable Act related to GST

2.0 CONTRACT DOCUMENT:

2.1 Governing language: The governing language for the CONTRACT shall be English. All CONTRACT documents and all correspondence and communication to be given and all other documentation to be prepared and supplied under the CONTRACT shall be written in English and the CONTRACT shall be construed and interpreted

in accordance with English language.

2.2 Entire Agreement: The CONTRACT constitutes the entire agreement between OIL and the CONTRACTOR with respect to the subject matter of the CONTRACT and supersedes all communication, negotiations and agreement (whether written or oral) of the parties with respect thereto made prior to the date of this agreement, unless such communication(s) expressly forms part of the contract or included by reference.

2.3 Amendment in CONTRACT: No Amendment of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto. OIL shall not be bound by any printed conditions, provisions in the CONTRACTOR's BID, forms of acknowledgement of CONTRACT, invoice and other documents which purport to impose any condition at variance with or supplement to CONTRACT.

3.0 WAIVERS AND AMENDMENTS:

3.1 Waivers: It is fully understood and agreed that none of the terms and conditions of this contract shall be deemed waived by either party unless such waiver is executed in writing only by the duly authorized representatives of both the parties. The failure of either party to execute any right shall not act as a waiver of such right by such party.

3.2 Change Program: It is agreed that CONTRACTOR shall carry out work in accordance with the completion program (e.g. Drilling programme) to be furnished by the COMPANY, which may be changed from time to time by reasonable modifications in the program as COMPANY sees fit. COMPANY's instruction in this regard shall be final and binding.

4.0 CONTRACT TIMELINE:

4.1 Effective Date of Contract: The contract shall become effective as of the date COMPANY notifies the CONTRACTOR in writing that it has been awarded the contract. This date of issuance of Letter of Award (LOA) by the COMPANY will be the Effective Date of Contract. All terms and conditions of the contract shall come into force with the date of issuance of LOA.

4.2 Date of Commencement of Operation:

The date on which the mobilization is completed in all respects and CONTRACTOR is ready to commence operation as per the contract provision [Certified by the COMPANY's representative] will be treated as the date of Commencement of Operation.

4.3 Duration of the contract:

The contract shall be valid for a period as defined in the LOA and Special Conditions of Contract [SCC].

5.0 SCOPE OF WORK/CONTRACT:

Scope of the CONTRACT shall be as defined in the CONTRACT, specifications, drawings and Appendices.

6.0 GENERAL OBLIGATION OF CONTRACTOR:

CONTRACTOR shall, in accordance with and subject to the terms and conditions of this Contract:

- 6.1** Perform the work described in the Terms of Reference/Scope of Work. The CONTRACTOR shall execute the work with professional competence and in an efficient and workman like manner.
- 6.2** Except as otherwise provided in the Terms of Reference and the special Conditions of the contract, employ all labours/personnel as required to perform the work.
- 6.3** Perform all other obligations, work and services which are required by the terms of this contract or which reasonably can be implied from such terms as being necessary for the successful and timely completion of the work.
- 6.4** Comply with all applicable statutory obligations specified in the contract.
- 6.5** CONTRACTOR shall be deemed to have satisfied himself before submitting their bid as to the correctness and sufficiency of its bid for the services required and of the rates and prices quoted, which rates and prices shall, except insofar as otherwise provided, cover all its obligations under the contract.
- 6.6** CONTRACTOR shall be deemed, prior to submitting their bids, to have satisfied themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation and law of the land, and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the various obligations under the Contract.
- 6.7** CONTRACTOR shall give or provide all necessary supervision during the performance of the services and as long thereafter within the warranty period as COMPANY may consider necessary for the proper fulfilling of CONTRACTOR's obligations under the contract.

7.0 GENERAL OBLIGATION OF COMPANY:

COMPANY shall, in accordance with and subject to the terms and conditions of this contract:

- 7.1** Pay CONTRACTOR in accordance with terms and conditions of the contract.
- 7.2** Allow CONTRACTOR access, subject to normal security and safety procedures, to all areas as required for orderly performance of the work as specified in the Scope of Works of the contract or work connected therewith.
- 7.3** Perform all other obligations required of COMPANY by the terms of this contract.

8.0 DUTIES AND POWER /AUTHORITY:**8.1 OIL's site representative/engineer:**

The duties and authorities of OIL's site representative/engineer are to act on behalf of OIL for:

- i. Overall supervision, co-ordination and Project Management at site

- ii. Proper and optimum utilization of equipment and services.
- iii. Monitoring of performance and progress
- iv. Commenting/ countersigning on reports made by the CONTRACTOR's representative at site in respect of works, receipts, consumption etc. after satisfying himself with the facts of the respective cases.
- v. He shall have the authority, but not obligation at all times and any time to inspect/test/examine/ verify any equipment machinery, instruments, tools, materials, personnel, procedures and reports etc. directly or indirectly pertaining to the execution of the work. However this shall not construe to imply an acceptance by the inspector.

Hence, the overall responsibility of quality of work shall rest solely with the CONTRACTOR.

- vi. Each and every document emerging from site in support of any claim by the CONTRACTOR has to have the countersignature/ comments of the OIL's representative/engineer without which no claim shall be entertained by the OIL.

8.2 CONTRACTOR's representative:

- (a) The CONTRACTOR's representative shall have all the powers requisite for the performance of the Service/Works, subject to holding due authorisation from the CONTRACTOR.
- (b) Representative(s) shall liaise with OIL's representative/engineer for the proper co-ordination and timely completion of the works and on any matter pertaining to the works.
- (c) Representative(s) shall extend full co-operation to OIL's representative/inspector/engineer in the manner required by them for supervision/inspection/observation of equipment, material, procedures, performance, reports and records pertaining to works.
- (d) To have complete charge of CONTRACTOR's personnel engaged in the performance of the work and to ensure compliance of rules and regulations and safety practice.

9.0 Personnel to be deployed by contractor:

CONTRACTOR warrants that it shall provide competent, qualified and sufficiently experienced personnel to perform the work correctly and efficiently.

- 9.1** The CONTRACTOR should ensure that their personnel observe all statutory safety requirement including those prescribed by the COMPANY. Upon COMPANY's written request, CONTRACTOR, entirely at its own expense, shall remove immediately any personnel of the CONTRACTOR determined by the COMPANY to be unsuitable and shall promptly replace such personnel with personnel acceptable to the COMPANY. Replacement personnel should be mobilized within 15 days from the date of issuance of notice without affecting the operation of the COMPANY.

- 9.2** The CONTRACTOR shall be solely responsible throughout the period of the contract for providing all requirements of their personnel including but not limited

to, their transportation to & fro from Duliajan/field site, enroute/ local boarding, lodging, personal protective gear & medical attention etc. COMPANY shall have no responsibility or liability in this regard.

9.3 However, COMPANY shall provide available medical assistance/facilities to CONTRACTOR's Personnel in case of emergency at its own establishment on chargeable basis.

9.4 CONTRACTOR's key personnel shall be fluent in English language (both writing and speaking).

10.0 PERFORMANCE SECURITY:

10.1 On receipt of notification of award from the COMPANY, the CONTRACTOR shall furnish the Performance Security to COMPANY within 15 (fifteen) days from the date of issue of LOA for an amount specified in the Forwarding Letter and Letter of Award (LOA) as per Proforma-Form and must be in the form of a Bank Draft/ Cashier's cheque/Banker's cheque*/NEFT/RTGS/Electronic fund transfer to designated account of OIL# or Fixed Deposit Receipt (account OIL INDIA LIMITED) or irrevocable Bank Guarantee or irrevocable Letter of Credit (LC) from:

a. Any schedule Indian Bank or Any Branch of an International bank situated in India and registered with Reserve Bank of India as scheduled foreign bank in case of domestic CONTRACTOR/service provider.

OR

b. Any scheduled bank in India or from International bank who has its branch in India registered with Reserve Bank of India, in case of foreign CONTRACTOR/service provider.

OR

c. Any foreign Bank which is not a Scheduled Bank in India, provided the Bank Guarantee issued by such Bank is counter-guaranteed by any Branch situated in India of any Scheduled Bank incorporated in India.

Note: Bank Guarantee issued by a Scheduled Bank of India at the request of some other Non-Schedule Bank of India shall not be acceptable.

10.2 Bank Guarantee issued by a Bank, amongst others, must contain the following particulars of such bank:

Full address

Branch Code

Code Nos. of the authorized signatory with full name and designation.

Phone Nos.

Fax Nos.

E-mail address.

10.3 The domestic CONTRACTOR/service provider(s) will have to submit the Bank Guarantee from any of the scheduled banks and on non- judicial stamp paper of requisite value as per the Indian Stamp Act, purchased in the name of the issuing banker.

10.4 The foreign CONTRACTOR/service provider(s) will submit the Bank Guarantee from Banks of Indian origin situated in their country. In case no such bank of Indian origin is situated in their country, the Bank Guarantee may be submitted

from the bankers as specified above.

- 10.5** The Performance Security shall be denominated in the currency of the contract.
- 10.6** The Performance Security specified above must be valid for the entire duration of the Contract and claim period should be valid for a minimum of 03 (three) months beyond the contract period. The Performance Security will be discharged by COMPANY not later than 30 days following its expiry of claim period. In the event of any extension of the Contract period, Bank Guarantee should be extended by CONTRACTOR by the period equivalent to the extended period.
- 10.7** The Performance Security shall be encashed by COMPANY on account of CONTRACTOR's failure to fulfil its obligations under the Contract and/or non-performance/un-satisfactory performance of the Contractor. Company shall not be required to proof any loss or damage on account of Contractor's non-performance/un-satisfactory performance.
- 10.8** The Performance Security will not accrue any interest during its period of validity or extended validity.
- 10.9** Failure of the successful Bidder to comply with the requirements of clause 10.0 shall constitute sufficient grounds for annulment of the award. In such an eventuality, action will be initiated as per the Banning Policy of OIL in vogue.

Subject to credit in OIL's account within prescribed time

* The validity of Bank Draft/Cashier's/Banker's cheque (as applicable) should not be less than 3 months.

In the event CONTRACTOR fails to honour any of the commitments entered into under this agreement, and /or in the event of termination of the contract under provisions of Integrity Pact and /or in respect of any amount due from the CONTRACTOR to OIL, OIL shall have unconditional option under the guarantee to invoke the above bank guarantee and claim the amount from the bank. The bank shall be obliged to pay the amount to OIL on demand.

11.0 SIGNING OF CONTRACT:

- 11.1** The successful bidder is required to sign a formal detailed contract with OIL within a maximum period of 60 days of date of LOA. Until the contract is signed, the LOA **as well as GCC & SCC as prescribed in the Tender**, shall remain binding amongst the two parties. In the event of failure on the part of the successful Bidder to sign the contract, OIL reserves the right to terminate the LOA issued to the successful Bidder and invoke the Performance Security if submitted by the successful Bidder. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [available at www.oil-india.in].

12.0 CLAIMS, TAXES & DUTIES:

- 12.1 Claims:** CONTRACTOR agrees to pay all claims, taxes and fees for equipment, labour, materials, services and supplies to be furnished by it hereunder and agrees to allow no lien or charge resulting from such claims to be fixed upon any property of COMPANY. COMPANY may, at its option, pay and discharge any liens or overdue charges for CONTRACTOR's equipment, labour, materials, services and supplies under this CONTRACT and may thereupon deduct the amount or

amounts so paid from any sum due, or thereafter become due, to CONTRACTOR hereunder.

12.2 Notice of claims: CONTRACTOR or COMPANY, as the case may be, shall promptly give the other, notice in writing of any claim made or proceeding commenced for which that party is entitled to indemnification under the CONTRACT. Each party shall confer with the other concerning the defense of any such claims or proceeding, shall permit the other to be represented by counsel in defense thereof, and shall not affect settlement of or compromise any such claim or proceeding without the other's written consent.

12.3 Taxes:

12.3.1 CONTRACTOR, unless specified otherwise in the CONTRACT, shall bear all tax liabilities, duties, Govt. levies etc. including GST and customs duty, Corporate and personnel taxes levied or imposed on the CONTRACTOR on account of payments received by it from the COMPANY for the work done under this CONTRACT. It shall be the responsibility of CONTRACTOR to submit to the concerned Indian authorities, the returns and all other concerned documents required for this purpose and to comply in all respects with the requirements of the laws in this regard, in time.

12.3.2 Tax levied on CONTRACTOR as per the provisions of Indian Income Tax Act and any other enactment/rules on income derived/payments received under the contract will be on CONTRACTOR's account.

12.3.3 CONTRACTOR shall be responsible for payment of personal taxes, if any, for all the personnel deployed in India by CONTRACTOR.

12.3.4 The CONTRACTOR shall furnish to the COMPANY, if and when called upon to do so, relevant statement of accounts or any other information pertaining to work done under the contract for submitting the same to the Tax authorities, on specific request from them in accordance with provisions under the law. CONTRACTOR shall be responsible for preparing and filing the return of income etc. within the prescribed time limit to the appropriate authority.

12.3.5 Prior to start of operations under the contract, the CONTRACTOR shall furnish the COMPANY with the necessary documents, as asked for by the COMPANY and/ or any other information pertaining to the contract, which may be required to be submitted to the Income Tax authorities at the time of obtaining "No Objection Certificate" for releasing payments to the CONTRACTOR.

12.3.6 Corporate income tax will be deducted at source from the invoice at the specified rate of income tax as per the provisions of Indian Income Tax Act as may be in force from time to time and COMPANY will issue TDS Certificate to the CONTRACTOR as per the provisions of Income Tax Act.

12.3.7 Corporate and personnel taxes on CONTRACTOR shall be the liability of the CONTRACTOR and the COMPANY shall not assume any responsibility on this account.

12.3.8 All local taxes, levies and duties, sales tax, octroi, etc. on purchases and sales made by CONTRACTOR shall be borne by the CONTRACTOR.

12.3.9 CONTRACTOR shall provide all the necessary compliances/ invoice/documents

for enabling OIL to avail Input tax credit benefits in respect of the payments of GST which are payable against the CONTRACT. The CONTRACTOR should provide tax invoice issued under GST legislations for the goods and Services (indicating GST). Payment towards the components of GST shall be released by OIL only against appropriate documents i.e.: Tax Invoice/Bill of entry for availing input tax credit (as applicable).

12.3.10 The tax invoices as per above provisions should contain all the particulars as required under the invoicing rules under the GST legislations, including, but not limited to the following:

- i. Name, Address and the GST Registration Number (under the relevant Tax Rules) of the Service Provider (CONTRACTOR)
- ii. Name and Address and GST Registration Number of the Service Receiver (Address of OIL)
- iii. Description, Classification and Value of taxable service/goods and the amount of applicable tax (CGST, SGST, IGST, UTGST and cess)

12.3.11 In case of imported goods, CONTRACTOR/supplier is required to provide original Bill of Entry or copy of Bill of Entry duly attested by Custom authority.

12.3.12 The CONTRACTOR should mention the Place of supply in the invoice raised under GST Law.

12.3.13 OIL would not accept any invoice without its GSTIN mentioned on the invoice

Note: CONTRACTOR who is under composition levy of the GST legislation would raise Bill of supply instead of Tax invoice, which will have GSTIN of supplier as well as OIL.

12.4 Goods and Services Tax:

12.4.1 "GST" shall mean Goods and Services Tax charged on the supply of material(s) and services. The term "GST" shall be construed to include the Integrated Goods and Services Tax (hereinafter referred to as "IGST") or Central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and Services Tax (hereinafter referred to as "SGST") or Union Territory Goods and Services Tax (hereinafter referred to as "UTGST") depending upon the import/interstate or intrastate supplies, as the case may be. It shall also mean GST compensation Cess, if applicable.

12.4.2 Where the OIL is entitled to avail the input tax credit of GST:

OIL will reimburse the GST to the Supplier of Goods/Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST to enable OIL to claim input tax credit of GST paid. In case of any variation in the executed quantities, the amount on which the GST is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws & rules should be timely filed by supplier with requisite details.

12.4.3 Where the OIL is not entitled to avail/take the full input tax credit of GST:

OIL will reimburse GST to the Supplier of Goods/Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation

of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and/or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

- 12.4.4** The CONTRACTOR will be under obligation for charging correct rate of tax as prescribed under the respective tax laws. Further the CONTRACTOR shall avail and pass on benefits of all exemptions/concessions available under tax laws. Any error of interpretation of applicability of taxes/ duties by the CONTRACTOR shall be to CONTRACTOR's account.
- 12.4.5** In case of statutory variation in GST, other than due to change in turnover, payable on the contract value during contract period, the Supplier of Goods/ Services (Service Provider) shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the Bid due date and on the date of revision.
- 12.4.6** Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate GST shall be passed on to the OIL.
- 12.4.7** Beyond the contract period, in case OIL is entitled for input tax credit of GST, then statutory variation in applicable GST on supply and on incidental services, shall be to OIL's account.
- 12.4.8** Claim for payment of GST/ Statutory variation, should be raised within two [02] months from the date of issue of 'Government Notification' for payment of differential (in %) GST, otherwise claim in respect of above shall not be entertained for payment of arrears.
- 12.4.9** The base date for the purpose of applying statutory variation shall be the Bid Opening Date.
- 12.4.10** The CONTRACTOR will be liable to ensure to have registered with the respective tax authorities, wherever applicable and to submit self- attested copy of such registration certificate(s) and the CONTRACTOR will be responsible for procurement of material in its own registration (GSTIN) and also to issue its own Road Permit/ E-way Bill, if applicable etc.

12.5 Anti-profiteering clause

- 12.5.1** As per Clause 171 of GST Act it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices.
- 12.5.2** In case rating of Contractor is negative/black listed after award of work for supply of goods/services, then OIL shall not be obligated or liable to pay or reimburse GST to such vendor/Contractor and shall also be entitled to deduct/recover such GST along with all penalties/interest, if any, incurred by OIL.

13.0 CUSTOMS DUTY, IF APPLICABLE:

- 13.1.1** CONTRACTOR shall be responsible to import the equipment/tools/spares/ consumables etc. required for execution of the contract. The CONTRACTOR shall undertake to complete all the formalities as required under the Customs

Act/Foreign Trade Policy (FTP) and indemnify OIL from all the liabilities of Customs in this regard.

13.1.2 CONTRACTOR will be solely responsible for payment of all applicable Customs Duty and to comply all Rules and Regulations. Total Contract Price/Value is inclusive of all Customs Duty, if not mentioned otherwise elsewhere in the Contract.

13.1.3 Above clause is to be read with Customs Duty Clause in SCC, if any.

14.0 INSURANCE:

14.1 CONTRACTOR shall at his own expense arrange secure and maintain insurance with reputed insurance companies to the satisfaction of the Company as follows:

Contractor at his cost shall arrange, secure and maintain insurance as may be necessary and to its full value for all such amounts to protect the works in progress from time to time and the interest of Company against all risks as detailed herein. The form and the limit of such insurance, as defined here in together with the under works thereof in each case should be as acceptable to the Company. However, irrespective of work acceptance the responsibility to maintain adequate insurance coverage at all times during the period of Contract shall be that of Contractor alone. Contractor's failure in this regard shall not relieve him of any of his responsibilities & obligations under Contract. All costs on account of insurance liabilities covered under Contract will be to Contractor's account and will be included in Value of Contract. However, the Company may from time to time, during the currency of the Contract, ask the Contractor in writing to limit the insurance coverage risk and in such a case, the parties to the Contract will agree for a mutual settlement, for reduction in value of Contract to the extent of reduced premium amounts. Contractor shall cover insurance with Indian Insurance Companies.

14.2 Any deductible set forth in any of the above insurance shall be borne by Contractor.

14.3 CONTRACTOR shall require all of his sub-Contractor to provide such of the foregoing insurance coverage as Contractor is obliged to provide under this Contract and inform the Company about the coverage prior to the commencement of agreements with its sub-Contractors.

14.4 All insurance taken out by Contractor or their sub-contractor shall be endorsed to provide that the underwriters waive their rights of recourse on the Company and to the extent of the liabilities assumed by Contractor under this Contract.

14.5 Certificate of Insurance:

Before commencing performance of the CONTRACT, CONTRACTOR shall furnish OIL with certificates of insurance indicating:

- a) Kinds and amounts of insurance as required herein
- b) Details of coverage
- c) Insurance corporation or companies carrying the aforesaid coverage
- d) Effective and expiry dates of policies
- e) That OIL shall be given thirty (30) days written advance notice of any material change in the policy

- f) Waiver of subrogation endorsement has been attached to all policies and
- g) The territorial limits of all policies.

14.6 Contractor shall also inform the Company at least 60 days in advance regarding the expiry cancellation and/or changes in any of such documents & ensure revalidation/renewal, etc., as may be necessary well in time.

14.7 If any of the above policy expire or/are cancelled during the term of this CONTRACT and CONTRACTOR fails for any reason to renew such policies, OIL in no case shall be liable for any loss/damage occurred during the term when the policy is not effective. Furthermore, a penal interest @ 1% of the Total contract value shall be charged towards not fulfilling of the contractual obligations. Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss/damage claims resulting therefrom shall be to the sole account of Contractor.

14.8 Contractor on demand from Company shall furnish the Insurance Policy having detail terms and conditions, with respect to any Certificate of Insurance submitted to the Company.

CONTRACTOR shall, at his own expense, arrange appropriate comprehensive insurance to cover all risks assumed by the CONTRACTOR under this CONTRACT in respect of CONTRACTOR's equipment, tools and any other belongings of the CONTRACTOR and its personnel as well deputed under this CONTRACT during the entire period of their engagement in connection with this CONTRACT including extensions if any. The CONTRACTOR shall also carry adequate insurance cover against damage/loss to third party person/property. OIL will have no liability on this account.

14.9 Principal Assured:

The following are to be included as Principal Assured(s) in the Insurance Policies (except in case of Workmen's Compensation/Employer's Liability insurance):

"Oil India Limited, and CONTRACTOR's name (as appearing in the Contract/LOA)"

14.10 Waiver of subrogation:

All insurance policies of the CONTRACTOR with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording:

"The insurers hereby waive their rights of subrogation against Oil India Limited or any of their employees or their affiliates and assignees".

14.11 Deductible:

The CONTRACTOR shall take policy with minimum deductible as per IRDA prescribed for the policy(ies). That portion of any loss not covered by insurance provided for in this article solely by reason of deductible provision in such insurance policies shall be to the account of the CONTRACTOR.

14.12 Compliance with Sec 25(1), of "The General Insurance Business (Nationalization) Act 1972"

Section 25(1) of "The General Insurance Business (Nationalization) Act 1972" is
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reproduced below:

“No person shall take out or renew any policy of insurance in respect of any property in India or any ship or other vessel or aircraft registered in India with an insurer whose principal place of business is outside India save with the prior permission of the Central Government”.

The above requirement of aforesaid Act needs to be complied with by the CONTRACTOR wherever the aforesaid provisions of Act apply, and compliance confirmations submitted.

14.13 Loss Payee Clause:

The Insurance Policies should mention the following in Loss Payee Clause:

“In respect of Insurance claims in which OIL’s interest is involved, written consent of OIL will be required”.

14.14 On account payment to OIL in case of claim

In case any loss or damage happen and where OIL’s interest is involved, OIL reserves the right to recover the loss amount from the CONTRACTOR prior to final settlement of the claim.

14.15 CONTRACTOR shall require all of its SUB-CONTRACTORS to provide such of the foregoing insurance cover as the CONTRACTOR is obligated to provide under this CONTRACT.

14.16 CONTRACTOR shall at all time during the currency of the contract provide, pay for and maintain the following insurance amongst others:

- i) **Workman Compensation and/ Employers’ Liability Insurance:** Workmen's compensation and employer's liability insurance as required by the laws of the country of origin of the employee.
- ii) **Commercial General Liability Insurance:** Commercial General Public Liability Insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This insurance must cover all operations of CONTRACTOR required to fulfil the provisions under this Contract.
- iii) **Comprehensive General Automotive Liability:** Automobile Public Liability Insurance covering owned, non-owned and hired automobiles used in the performance of the work hereunder, with bodily injury limits and property damage limits shall be governed by Indian Insurance Regulations.
- iv) **Carrier’s Legal Liability Insurance:** Carrier’s Legal Liability Insurance in respect of **all CONTRACTOR’s items** to be transported by the CONTRACTOR to the site of work, for physical loss or destruction of or damage to goods or merchandise, while in transit.
- v) **Public Liability Act Policy:** Public Liability Act Policy covering the statutory liability arising out of accidents occurring during the currency of the contract due to handling hazardous substances as provided in the Public Liability Insurance Act 1991 and the Rules framed there under.

- vi) **Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY):** CONTRACTOR shall, ensure that all his/ its personnel deployed under this contract have obtained additional insurance coverage under the Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) through the participating banks and submit the proof of such insurance coverage to the satisfaction of OIL.
- vii) CONTRACTOR's equipment used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards).
- viii) **Any other insurance policy set forth in the SCC**

Note: An undertaking by the service provider has to be mandatorily provided during the Mobilization time that they have taken all the Insurance provisions as per the contract and as the Law and Insurance Regulation.

15.0 LIABILITY:

- 15.1** Except as otherwise expressly provided herein, neither COMPANY nor its servants, agents, nominees, CONTRACTORS, or sub- CONTRACTORS shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss of or damage to the property of the CONTRACTOR and/or their CONTRACTORS or sub-CONTRACTORS, irrespective of how such loss or damage is caused and even if caused by the negligence of COMPANY and/or its servants, agent, nominees, assignees, CONTRACTORS and sub-CONTRACTORS.
- 15.2** The CONTRACTOR shall protect, defend, indemnify and hold harmless COMPANY from and against such loss or damage and any suit, claim or expense resulting there from. Neither COMPANY nor its servants, agents, nominees, assignees, CONTRACTORS, sub-CONTRACTORS shall have any liability or responsibility whatsoever for injury to, illness, or death of any employee of the CONTRACTOR and/or of its CONTRACTORS or sub-CONTRACTOR irrespective of how such injury, illness or death is caused and even if caused by the negligence of COMPANY and/or its servants, agents nominees, assignees, CONTRACTORS and sub-CONTRACTORS. CONTRACTOR shall protect, defend, indemnify and hold harmless COMPANY from and against such liabilities and any suit, claim or expense resulting there from.
- 15.3** The CONTRACTOR hereby agrees to waive its right of recourse and further agrees to cause its underwriters to waive their right of subrogation against COMPANY and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORS and sub- CONTRACTORS for loss or damage to the equipment of the CONTRACTOR and/or its sub-CONTRACTORS and/or their employees when such loss or damage or liabilities arises out of or in connection with the performance of the contract limited to the CONTRACTOR's liabilities agreed to under this Contract.
- 15.4** The CONTRACTOR hereby further agrees to waive its right of recourse and agrees to cause its underwriters to waive their right of subrogation against COMPANY and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORS and sub-CONTRACTORS for injury to, illness or death of any employee of the CONTRACTOR and of its CONTRACTORS, sub-CONTRACTORS and/or their employees when such injury, illness or death arises out of or in connection with the performance of the contract limited to the CONTRACTOR's liabilities agreed to

under this Contract.

- 15.5** Except as otherwise expressly provided herein, neither CONTRACTOR nor its servants, agents, nominees, CONTRACTORS or sub- CONTRACTORS shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss or damage to the property of the COMPANY and/or their CONTRACTORS or sub-CONTRACTORS, irrespective of how such loss or damage is caused and even if caused by the negligence of CONTRACTOR and/or its servants, agents, nominees, assignees, CONTRACTORS and sub-CONTRACTORS. The COMPANY shall protect, defend, indemnify and hold harmless CONTRACTOR from and against such loss or damage and any suit, claim or expense resulting there from.
- 15.6** Except as otherwise expressly provided herein, neither CONTRACTOR nor its servants, agents, nominees, assignees, CONTRACTORS, sub- CONTRACTORS shall have any liability or responsibility whatsoever to whomsoever for injury or illness, or death of any employee of the COMPANY and/or of its CONTRACTORS or sub-CONTRACTORS irrespective of how such injury, illness or death is caused and even if caused by the negligence of CONTRACTOR and/or its servants, agents, nominees, assignees, CONTRACTORS and sub- CONTRACTORS. COMPANY shall protect, defend indemnify and hold harmless CONTRACTOR from and against such liabilities and any suit, claim or expense resulting there from.
- 15.7** The COMPANY agrees to waive its right of recourse and further agrees to cause its underwriters to waive their right of subrogation against CONTRACTOR and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORS and sub-CONTRACTORS for loss or damage to the equipment of COMPANY and/or its CONTRACTORS or sub-CONTRACTORS when such loss or damage or liabilities arises out of or in connection with the performance of the contract.
- 15.8** The COMPANY hereby further agrees to waive its right of recourse and agrees to cause it underwriters to waive their right of subrogation against CONTRACTOR and/or its underwriters, servants, agents, nominees, assignees, CONTRACTORS and sub- CONTRACTORS for injury to, illness or death of any employee of the COMPANY and of its CONTRACTORS, sub-CONTRACTORS and/or their employees when such injury, illness or death arises out of or in connection with the performance of the Contract.
- 16.0 LIMITATION OF LIABILITY:**
- a) Notwithstanding any other provisions herein to the contrary, except only in cases of Wilful misconduct and/or criminal acts and/or criminal negligence, neither the CONTRACTOR nor the COMPANY (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the CONTRACTOR to pay Liquidated Damages to the COMPANY and/or COMPANY's right to forfeit the Performance Bank Guarantee(s) in terms of the contract.
- b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the CONTRACTOR in respect of this contract, whether under Contract, in tort or otherwise, shall not exceed 100% of the Contract Price (if not specified otherwise in SCC), provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the CONTRACTOR, or

to any obligation of the CONTRACTOR to indemnify the COMPANY with respect to Intellectual Property Rights.

- c) COMPANY shall indemnify and keep indemnified CONTRACTOR harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.

17.0 LIABILITY OF UNION GOVERNMENT OF INDIA:

It is expressly understood and agreed upon by and between CONTRACTOR and OIL INDIA LIMITED, and that OIL INDIA LIMITED is entering into this agreement solely on its own behalf and not on behalf of any other person or entity. In particular, it is expressly understood and agreed that Union of India is not a party to this agreement and has no liabilities, obligations or rights, whatsoever hereunder. It is expressly understood and agreed that OIL INDIA LIMITED is an independent legal entity with power and authority to enter into contracts solely on its own behalf under the applicable laws of India and general principles of the Contract law. The bidder/ CONTRACTOR expressly agrees, acknowledges and understands that OIL INDIA LIMITED is not an agent, representative or delegate of the Union of India. It is further understood and agreed that Union of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the contract. Accordingly, bidder/ CONTRACTOR hereby expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Union of India arising out of this contract and covenants not to sue the Union of India as to any manner, claim, cause of action or thing whatsoever arising of or under this agreement.

18.0 CONSEQUENTIAL DAMAGE:

Except as otherwise expressly provided, neither party shall be liable to the other for special, indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss or profit or business interruptions, howsoever caused and regardless of whether such loss or damage was caused by the negligence (either sole or concurrent) of either party, its employees, agents or sub- CONTRACTORS.

19.0 RISK PURCHASE:

In the event, CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. In certain operational situations OIL reserves the right to take over the site including the service equipment at the risk and cost of the CONTRACTOR.

20.0 INDEMNITY AGREEMENT:

- 20.1** Except as provided hereof CONTRACTOR agrees to protect, defend, indemnify and hold COMPANY harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of CONTRACTOR's employees, agents, CONTRACTORS and sub-CONTRACTORS or their employees or in favour of

any third party(is) on account of bodily injury or death, or damage to personnel/property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults.

- 20.2** Except as provided hereof COMPANY agrees to protect, defend, indemnify and hold CONTRACTOR harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of COMPANY's employees, agents, CONTRACTORS and sub-CONTRACTORS or their employees or in favour of any third party(is) on account of bodily injury or death, or damage to personnel/property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults.

21.0 INDEMNITY APPLICATION:

The indemnities given herein above, whether given by COMPANY or CONTRACTOR shall be without regard to fault or to the negligence of either party even though said loss, damage, liability, claim, demand, expense, cost or cause of action may be caused, occasioned by or contributed to by the negligence, either sole or concurrent of either party.

22.0 ROYALTY PATENTS:

Each party shall hold harmless and indemnify the other from and against all claim and proceedings for or on account of any patent rights, design, trade mark or other protected rights arising from any use of materials, equipment, processes, inventions and methods, which have not been imposed on the attending party by the terms of the contract or the specifications forming part thereof.

23.0 WARRANTY AND REMEDY OF DEFECTS:

- 23.1** CONTRACTOR warrants that they shall perform the work in a first class, workmanlike, and professional manner and in accordance with their highest degree of quality, efficiency and current state of the art technology/industry practices and in conformity with all specifications, standards and drawings set forth or referred to in the Terms of Reference and with instructions and guidance, which COMPANY may, from time to time, furnish to the CONTRACTOR.
- 23.2** Should COMPANY discover at any time during the tenure of the Contract or till the Unit/equipment/tools are demobilised from site or base camp (if applicable) that the work does not conform to the foregoing warranty, CONTRACTOR shall after receipt of notice from COMPANY, promptly perform any and all corrective work required to make the services conform to the Warranty. Such corrective Work shall be performed entirely at CONTRACTOR's own expenses. If such corrective Work is not performed within a reasonable time, the COMPANY, at its option may have such remedial Work performed by others and charge the cost thereof to CONTRACTOR subject to a maximum of the contract value payable for the defective work which needs corrective action which the CONTRACTOR must pay promptly. In case CONTRACTOR fails to perform remedial work, or pay promptly in respect thereof, the performance security shall be forfeited.

24.0 SUBCONTRACTING/ASSIGNMENT:

24.1 CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(ies). Except for the main services under this contract, CONTRACTOR may sub-contract the petty support services subject to COMPANY's prior written approval. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract.

24.2 Consequent upon of placement of contract, if successful bidder(s)(other than Micro/Small Enterprise) is procuring materials/services from their sub-vendor, who is a Micro or Small Enterprise registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME with prior consent in writing of the purchasing authority/Engineer in Charge the details like Name, Registration No., Address, Contact No., details of material and value of procurement made, etc. of such enterprises shall be furnished by the CONTRACTOR at the time of submission of invoice/bill.

25.0 RECORDS, REPORTS AND INSPECTION:

The CONTRACTOR shall, at all times during the currency of the contract, permit the COMPANY and its authorized employees and representatives to inspect all the Work performed and to witness and check all the measurements and tests made in connection with the said work. The CONTRACTOR shall keep an authentic, accurate history and logs including safety records of each service item with major items consumed, which shall be open at all reasonable times for inspection by the COMPANY's designated representatives and its authorized employees. The CONTRACTOR shall provide the COMPANY's designated representatives with a daily written report, on form prescribed by the COMPANY showing details of operations during the preceding 24 hours and any other information related to the said services requested by the COMPANY whenever so requested. The CONTRACTOR shall not, without COMPANY's written consent allow any third person(s) access to the said information or give out to any third person information in connection therewith.

26.0 CONFIDENTIALITY, USE OF CONTRACT DOCUMENTS AND INFORMATION:

26.1 CONTRACTOR shall not, without COMPANY's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing pattern, sample or information furnished by or on behalf of COMPANY in connection therewith, to any person other than a person employed by CONTRACTOR in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only, as may be necessary for purposes of such performance with prior permission from COMPANY. However, nothing hereinabove contained shall deprive the CONTRACTOR of the right to use or disclose any information which is:

- a) possessed by the CONTRACTOR, as evidenced by the CONTRACTOR's written records, before receipt thereof from the COMPANY which however the CONTRACTOR shall immediately inform to COMPANY ; or
- b) required to be disclosed by the CONTRACTOR pursuant to an order of a court of

competent jurisdiction or other governmental agency having the power to order such disclosure, provided the CONTRACTOR uses its best efforts to provide timely notice to COMPANY of such order to permit COMPANY an opportunity to contest such order subject to prior permission from COMPANY.

- 26.2** CONTRACTOR shall not, without COMPANY's prior written consent, make use of any document or information except for purposes of performing the contract.
- 26.3** Any document supplied to the CONTRACTOR in relation to the contract other than the Contract itself remain the property of COMPANY and shall be returned (in all copies) to COMPANY on completion of CONTRACTOR's performance under the Contract if so required by COMPANY.
- 26.4** During the currency of the Contract, COMPANY and its employees, agents, other CONTRACTORS, sub-CONTRACTORS (of any tier) and their employees etc. may be exposed to certain confidential information and data of the CONTRACTOR. Such information and data held by the COMPANY, its employees, agents, other CONTRACTORS, sub-CONTRACTORS (of any tier) and their employees in the strictest Confidence and shall not be disclosed to any other party except on a need to know basis.

However, the above obligation shall not extend to information which:

- i) is, at the time of disclosure, known to the public which CONTRACTOR shall immediately inform COMPANY ;
- ii) is lawfully becomes at a later date known to the public through no fault of CONTRACTOR subject to CONTRACTOR's undertaking that no information has been divulged by them to the public;
- iii) is lawfully possessed by CONTRACTOR before receipt thereof from COMPANY which should be immediately informed to COMPANY;
- iv) is developed by CONTRACTOR independently of the information disclosed by COMPANY which should be shared with the COMPANY;
- v) CONTRACTOR is required to produce before competent authorities or by court order subject to prior permission from COMPANY;

27.0 REMUNERATION AND TERMS OF PAYMENT:

- 27.1** COMPANY shall pay to the CONTRACTOR during the term of the Contract the amount due from time to time calculated according to the rates of payment set and in accordance with other provisions hereof. No other payments shall be due from COMPANY unless specifically provided for in the Contract. All payments will be made in accordance with the terms hereinafter described.
- 27.2** Request for payment/part payment to third party i.e. other than the party on whom the contract has been awarded will not be entertained by OIL under any circumstances.
- 27.3** MANNER OF PAYMENT: All payments due by COMPANY to CONTRACTOR hereunder shall be made at CONTRACTOR's designated bank. Bank charges, if any will be on account of the CONTRACTOR.

- 27.4** Payment of any invoices shall not prejudice the right of COMPANY to question the validity of any charges therein, provided COMPANY within one year after the date of payment shall make and deliver to CONTRACTOR written notice of objection to any item or items the validity of which COMPANY questions.
- 27.5** INVOICES: Mobilization charges will be invoiced only upon completion of mobilization as certified by COMPANY representative and CONTRACTOR is ready at site for starting the services/ operation. Payment of mobilization charges shall be made within 45 days following the date of receipt of undisputed invoices by COMPANY.
- 27.6** CONTRACTOR shall send invoice to COMPANY on the day following the end of each month for all daily or monthly charges due to the CONTRACTOR.
- 27.7** CONTRACTOR will submit 02 (Two) sets of all invoices duly super scribed 'Original' and 'copy' as applicable to the COMPANY for processing payment. Separate invoices for the charges payable under the contract shall be submitted by the CONTRACTOR for foreign currency and Indian currency.
- 27.8** Payment of monthly invoices, if undisputed, shall be made within 30 days following the date of receipt of invoice by COMPANY.
- 27.9** COMPANY shall within 30 days of receipt of the invoice notify the CONTRACTOR of any item under dispute, specifying the reasons thereof, in which event, payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of any undisputed portion on or before the due date. This will not prejudice the COMPANY's right to question the validity of the payment at a later date as envisaged in clause no. **27.4** above.
- 27.10** The acceptance by CONTRACTOR of part payment on any billing not paid on or before the due date shall not be deemed a waiver of CONTRACTOR's rights in any other billing, the payment of which may then or thereafter be due.
- 27.11** Payment of Final demobilization charges shall be made if applicable within 45 days on receipt of invoice by COMPANY accompanied by the following documents from the CONTRACTOR:
- a) Audited account up to completion of the Contract.
 - b) Tax audit report for the above period as required under the Indian Tax Laws.
 - c) Documentary evidence regarding the submission of returns and payment to taxes for the expatriate personnel engaged by the CONTRACTOR or by its sub-CONTRACTOR.
 - d) Proof of re-export of all items including the unutilized spares and consumables (excepting consumables consumed during the contract period) and also cancellation of re-export bond if any.
 - e) Any other documents as required by applicable Indian Laws.

In case, no demobilization charges are payable, the documents mentioned above will have to be submitted by the CONTRACTOR before release of the final payment by the COMPANY. A certificate from Chartered Accountant on (a), (b) & (c) above will suffice

27.12 CONTRACTOR shall maintain complete and correct records of all information on which CONTRACTOR's invoice are based upto 02 (two) years from the date of last invoice. Such records shall be required for making appropriate adjustments or payments by either party in case of subsequent audit query/objection.

28.0 PAYMENT OF COMMISSION/FEE/REMUNERATION OF INDIAN AGENT/CONSULTANT/REPRESENTATIVE/RETAINER/ASSOCIATE OF FOREIGN PRINCIPAL (APPLICABLE IN ICB TENDERS ONLY):

The Commission/Fee/remuneration of the Indian agent/consultant/associate/representative/retainer, if any, will be paid within 30 days of the payment of invoice made to the CONTRACTOR, The amount of commission/fee/remuneration as a percentage of invoice value as per contract provisions will be deducted by COMPANY/OIL from the monthly invoices of the CONTRACTOR and paid to the Indian agent/consultant/representative/retainer/associate.

29.0 DETAILS OF STATUTORY PAYMENTS LIKE EPF AND ESI, ETC:

Wherever applicable, the CONTRACTOR (including those engaging 'International Workers') shall have itself registered under Employees' Provident Fund and Miscellaneous Provisions Act, 1952 and Employees' State Insurance Act, 1948 and follow the relevant statutory provisions including Rules made there-under concerning contractual workers.

The CONTRACTOR shall be required to submit the following documents/details to the Corporation:

- (i) Copy of PF-ECR duly stamped by the designated Bank, alongwith a print of the digitally signed PDF data sheet of the ECR, as proof of payment, each month, details of this PDF data sheet shall be verified by the appropriate authority (i.e. Payment Making Authority) in the COMPANY from the official website of EPFO (<http://www.epfindia.gov.in>).
- (ii) (a) Copy of the online challan endorsed/stamped by the designated bank as proof of receipt of payment towards monthly contribution of ESI contribution.

(b) Copy of Return of contribution in respect of ESI for each contribution period of the six months i.e. for the contribution period ended 30th Sept and the contribution period ended 31st March.
- (iii) As an Annexure to each EPF-ECR and ESI Challan(s), CONTRACTOR shall also furnish the following Certificates:
 - 1) The furnished information is correct to the best of his knowledge.
 - 2) In case any discrepancies or irregularities is /are noticed in this undertaking, then OIL is free to inform the PF/ESIC Authorities.
 - 3) Before the completion of contract, CONTRACTOR shall serve one-month notice to all his contractual workers, informing that their services will be terminated.
 - 4) Within one month on completion/expiry of the contract, CONTRACTOR shall pay all the dues/ terminal dues such as leave with wages, bonus (if applicable), Gratuity (if applicable), to all his contractual workmen, failing which

CONTRACTOR's Bank Guarantee/ Security Deposit may be withheld by OIL.

COMPANY may verify the deposit of statutory contribution made by the CONTRACTORs with the EPFO/ESI authorities, where deemed necessary. However, before making payment of the last bill/invoice of the CONTRACTOR, the COMPANY may verify the details/status of the payment towards EPF/ESI made by the CONTRACTOR from the authorities/official website of EPF/ESI (i.e. <http://www.epfindia.gov.in> and <http://www.esic.in>). In case the information furnished by the CONTRACTOR is found to be incorrect the COMPANY shall take appropriate action against the CONTRACTOR in accordance with law.

The CONTRACTOR agrees and undertakes to indemnify OIL for any liabilities arising out of declarations made by him in future on violation or provisions of the EPF Act 1952 and ESI Act 1948.

30.0 TIMELY MOBILIZATION AND LIQUIDATED DAMAGES:

a) Time is the essence of this Contract. If the CONTRACTOR fails to mobilize and deploy the required manpower/equipment and/or fails to commence the operation within the period specified as specified under mobilization clause under SCC, OIL shall have, without prejudice to any other right or remedy in law or contract including sub clause (b) below, the right to terminate the contract.

b) If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD. Upon receipt of such a request, OIL may at its discretion, extend the period of mobilization and shall recover from the CONTRACTOR, as an ascertained and agreed Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price.

c) The parties agree that the sum specified above is not a penalty but a genuine pre-estimate of the loss/damage which will be suffered by OIL on account of delay on the part of the CONTRACTOR and the said amount will be payable without proof of actual loss or damage caused by such delay.

d) LD will be calculated on the basis of Total Contract value [(if not specified otherwise in SCC] excluding duties and taxes, where such duties/taxes have been shown separately in the contract. However, the applicable GST on the LD shall have to be borne by the CONTRACTOR. Accordingly, the liquidated damages shall be recovered from the CONTRACTOR along with applicable GST.

31.0 FORCE MAJEURE:

In the event of either party being rendered unable by 'Force Majeure' to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such 'Force Majeure' will stand suspended as provided herein. The term force majeure as employed herein shall mean Acts of God such as earthquake, hurricane, typhoon, flood, volcanic activity etc.; war (declared /undeclared); riot, revolts, rebellion, terrorism, sabotage by persons other than the CONTRACTOR's Personnel; fires, explosions, ionising radiation or contamination by radio-activity or noxious gas, if not caused by CONTRACTOR's fault; declared epidemic or disaster; acts and regulations of respective Govt. of the

two parties, namely the COMPANY and the CONTRACTOR and civil commotions, lockout not attributable to the CONTRACTOR.

Upon occurrence of such cause, the party claiming that it has been rendered unable as aforesaid thereby, shall notify the other party in writing within 72 (Seventy Two) hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.

Should 'force majeure' condition as stated above occurs and should the same be notified within 72 (Seventy two) hours after its occurrence the 'force majeure' rate (if specified in the SCC of the Contract) shall apply for the first 15 (fifteen) days for each such occasion.

Either party shall have the right to terminate the Contract if such 'force majeure' conditions continue beyond successive 60 (Sixty) days [or exclusively mentioned in the SCC of the Contract] with prior written notice of 15 days, provided termination of the Contract does not result into safety hazard to the life and property on account of withdrawal of operations or the operation is at critical stage. COMPANY shall have the absolute right to decide whether any safety hazard exists or operation is at critical position and decision of the COMPANY shall be binding upon the CONTRACTOR.

Should either party decide not to terminate the Contract even under such condition, no payment would apply after expiry of fifteen (15) days force majeure period. [or exclusively mentioned in the SCC of the Contract]

Time for performance of the relative obligation suspended by Force Majeure shall then stand extended by the period for which such cause lasts.

If however, relative obligation of the party affected by such 'Force Majeure' is limited to part of the obligation(s), the contract shall not be terminated and the parties shall continue to perform their respective obligations, which are not affected by the 'force majeure' condition, provided the obligations affected by the 'force majeure' do not preclude the parties in performing the obligations not affected by such conditions.

32.0 SET-OFF:

Any sum of money due and payable to the CONTRACTOR (including Performance Security refundable to them) under this or any other Contract, whether in progress or in future, may be appropriated by OIL and set-off against any claim of OIL (or such other person or persons contracting through OIL) for payment of a sum of money arising out of this contract or under any other contract made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL).

33.0 WITHHOLDING:

COMPANY may withhold or nullify the whole or any part of the amount due to CONTRACTOR, after informing the CONTRACTOR of the reasons in writing, on account of subsequently discovered evidence in order to protect COMPANY from loss on account of:

33.1 For non-completion of jobs assigned as per Scope of Work/Terms of Reference.

- 33.2** Defective work not remedied by CONTRACTOR.
- 33.3** Claims by COMPANY's recognized sub-CONTRACTOR of CONTRACTOR or others filed or on the basis of reasonable evidence indicating probable filing of such claims against CONTRACTOR.
- 33.4** Failure of CONTRACTOR to pay or provide for the payment of salaries/ wages, contributions, taxes or enforced savings with-held from wages etc with respect to personnel engaged by the CONTRACTOR.
- 33.5** Failure of CONTRACTOR to pay the cost of removal of unnecessary debris, materials, tools, or machinery.
- 33.6** Any failure by CONTRACTOR to fully reimburse COMPANY under any of the indemnification provisions of this Contract. If, during the progress of the work CONTRACTOR shall allow any indebtedness to accrue for which CONTRACTOR, under any circumstances in the opinion of COMPANY, may be primarily or contingently liable or ultimately responsible and CONTRACTOR shall, within five days after demand is made by COMPANY, fail to pay and discharge such indebtedness, then COMPANY may during the period for which such indebtedness shall remain unpaid, with-hold from the amounts due to CONTRACTOR, a sum equal to the amount of such unpaid indebtedness.
- 33.7** Withholding will also be effected on account of the following:
- i) Order issued by a Court of Law or statutory authority in India.
 - ii) Income-tax deductible at source according to law prevalent from time to time in the country.
 - iii) Any obligation of CONTRACTOR which by any law prevalent from time to time to be discharged by COMPANY in the event of CONTRACTOR's failure to adhere to such laws.
 - iv) Any payment due from CONTRACTOR in respect of unauthorised imports.

When all the above grounds for withholding payments are removed, payment shall thereafter be made for amounts so with-held.

- 33.8** COMPANY reserves the right to disburse or deposit the amount so withheld to the concerned person(s) or agency or government authority, as the case may be, besides nullifying such amount on account of loss suffered by the COMPANY against **33.2, 33.3, 33.6 & 33.7** above.

34.0 APPLICABLE LAWS:

The Contract shall be deemed to be a Contract made under, governed by and construed in accordance with the laws of India for the time being in force and shall be subject to the sole and exclusive jurisdiction of Courts situated in Dibrugarh (or the Place where the contract is executed) and Principal Bench of Gauhati High Court (or the High Court under whose territorial jurisdiction, the place of execution of contract falls).

This Agreement including all matter connected with this Agreement, shall be governed by the laws of India (both substantive and procedural) for the time being in force and shall be subject to exclusive jurisdiction of Courts, mentioned

hereinabove. Foreign companies, operating in India or entering into Joint ventures in India, shall also be governed by the laws of India and shall be subject to sole and exclusive jurisdiction of above Courts.

The CONTRACTOR shall ensure full compliance of various Indian Laws and Statutory Regulations, as stated below, to the extent applicable, as stated below, but not limited to, in force from time to time and obtain necessary permits/licenses etc. from appropriate authorities for conducting operations under the Contract:

- a) The Mines Act 1952
- b) The Oil Mines Regulations, 1984
- c) The Employees' Compensation Act, 1923
- d) The Code of Wages, 2019
- e) The Contract Labour (Regulation & Abolition) Act, 1970 and the rules framed there under
- f) The Employees Pension Scheme, 1995
- g) The Interstate Migrant Workmen Act., 1979 (Regulation of employment and conditions of service).
- h) The Employees Provident Fund and Miscellaneous Provisions Act, 1952
- i) Goods and Service Tax Act
- j) Customs & Excise Act & Rules
- k) Factories Act, 1948
- l) Industrial Disputes Act, 1947
- m) Payment of Gratuity Act, 1972
- n) Environmental Protection Act, 1986 & other pollution control Acts.

Note: The above Acts are only indicative and not exhaustive. The Acts shall include the rules and regulations framed thereunder.

35.0 LABOUR LAWS:

- i) CONTRACTOR shall comply with the provisions of various labour related laws, including but not limited to the Code of Wages, 2019, Employee Provident Fund and Miscellaneous Provisions Act 1952, COMPANY's Liability Act 1938, Employees' Compensation Act 1923, Industrial Disputes Act 1947, the Maternity Benefit Act 1961 and Contract Labour (Regulation and Abolition) Act 1970, Employment of Children Act 1938, Employees' State Insurance Act, 1948 or any modifications/amendment thereof or any other law relating thereto and rules made there under from time to time.
- ii) No Labour below the age of eighteen [18] years shall be employed on the work.
- iii) CONTRACTOR shall not pay less than what is provided under law to labourers engaged by him on the work.
- iv) CONTRACTOR shall at his expense comply with all labour laws and keep the COMPANY indemnified in respect thereof.
- v) CONTRACTOR shall pay equal wages for men and women in accordance with applicable Labour laws.
- vi) If the CONTRACTOR is covered under the Contract Labour (Regulation and Abolition) Act, he shall obtain a license from licensing authority [i.e. office of the Labour Commissioner] by payment of necessary prescribed fee and the deposit, if

any, before starting the work under the Contract. Such fee/deposit shall be borne by the CONTRACTOR.

- vii) CONTRACTOR must obtain the PF Code from the concerned PF Authority under Employees Provident Fund and Miscellaneous Provisions Act, 1952. Similarly, CONTRACTOR must obtain ESI Code under Employees State Insurance Act.
- viii) CONTRACTOR being the employer of the labours/personnel to be engaged under the contract shall be liable to pay gratuity to the labours/personnel as per the provision of the Payment of Gratuity Act, 1972 and accordingly, shall keep the COMPANY indemnified in respect thereof. If however, COMPANY requires to pay gratuity to such labour(s) as per the direction of the competent authority under the Act, COMPANY shall recover such amount from the outstanding dues payable to the CONTRACTOR under the contract or any other contract(s).
- ix) CONTRACTOR shall furnish to Engineer in Charge the distribution return of the number & description, by trades of the work people employed on the works. CONTRACTOR shall also submit on the 4th & 19th of every month to Engineer in Charge a true statement showing in respect of the 2nd half of the preceding month & the 1st half of the current month (1) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (2) the number of female workers who have been allowed Maternity Benefit as provided in the Maternity Benefit Act 1961 on Rules made there under and the amount paid to them.
- x) Engineer in Charge shall on a report having been made by an inspecting officer as defined in Contract Labour (Regulation and Abolition) Act 1970 have the power to deduct from the money due to the CONTRACTOR any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of the conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said regulations.
- xi) The CONTRACTOR shall indemnify the COMPANY against any payments to be made under and for the observance of the provisions of the aforesaid acts without prejudice to his right to obtain indemnity from his sub-CONTRACTOR.

36.0 STATUTORY REQUIREMENTS:

During the tenure of this CONTRACT nothing shall be done by the CONTRACTOR in contravention of any law, act and/or rules/regulations, thereunder or any amendment

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

37.1 It will be solely the CONTRACTOR'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 hired by CONTRACTOR comply with the same requirement as the CONTRACTOR himself and shall be liable for ensuring compliance all HSE laws.

37.2 It will be entirely the responsibility of the Contractor/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.

- 37.3** Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the contractor only.
- 37.4** Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the contractor.
- 37.5** 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 contractor to cease work until the non-compliance is corrected.

38.0 POLLUTION AND CONTAMINATION:

The CONTRACTOR shall be liable for all surface and sub-surface pollution to the extent caused by CONTRACTOR and resulting from CONTRACTOR's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the CONTRACTOR brings to the Site for use in connection with Work to be performed under this Contract.

Notwithstanding anything to the contrary contained herein, it is agreed that except on the ground of willful misconduct or criminal misconduct, COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORS harmless from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and "Attorney's fees") for:

- a) Damage to or loss of any reservoir or producing formation; and/ or
- b) Damage to or loss of any well; and/ or
- c) Any other subsurface damage or loss; and/ or
- d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.

39.0 STATUTORY VARIATION/ NEWLY ENACTED LAW:

- 39.1** All duties, taxes except otherwise specified in the Contract as applicable on the closing date of bid submission as per relevant acts and rules shall be in CONTRACTOR's account. Variation in case of custom duty on CIF value declared by the bidder shall be to COMPANY account.
- 39.2** In the event of introduction of any new legislation or any amendment or enforcement of any Act or Law, rules or regulations of Government of India or State Government(s) or Public Body, which becomes effective after the date of submission of Price Bid or revised price bid, if any, for this CONTRACT and which results in increased/decreased cost of the works under the CONTRACT through increased/decreased liability of taxes and/or duties, required to be paid by the CONTRACTOR, (other than personnel and Corporate taxes), the Parties shall agree

to a revision in pricing to reflect such change subject to the production of documentary proof to the satisfaction of the COMPANY/CONTRACTOR as applicable to the extent which directly is attributable to such introduction of new legislation or change or amendment as mentioned above and adjudication by the competent authority (applicable when disputed by COMPANY) & the courts wherever levy of such taxes/duties are disputed by COMPANY/CONTRACTOR.

- 39.3** Any increase in net amount of the duties and taxes (i.e. the amount of taxes/duties payable minus eligible credit of taxes/duties paid on input services/inputs) after the contractual completion/mobilization date during the extended period will be to the CONTRACTOR's account, where delay in completion /mobilization period is attributable to the CONTRACTOR. However, any decrease in net amount of the duties and taxes (i.e. the amount of taxes/duties payable minus eligible credit of taxes/duties paid on input services/inputs) after the contractual completion/mobilization date will be to COMPANY's account.
- 39.4** The Contract Price and other prices given in the Schedule of Prices are based on the applicable tariff as indicated by the CONTRACTOR in the Schedule of Prices. In case this information subsequently proves to be wrong, incorrect or misleading, COMPANY will have no liability to reimburse/pay to the CONTRACTOR the excess duties, taxes, fees, if any finally levied/imposed by the concerned authorities. However, in such an event, COMPANY will have the right to recover the difference in case the rate of duty/tax finally assessed is on the lower side.
- 39.5** Notwithstanding the provision contained in Clause-39.1 to 39.4 above, the COMPANY shall not bear any liability in respect of:
- i. Personal taxes on the personnel deployed by CONTRACTOR, his sub-CONTRACTOR/sub-sub-CONTRACTORS and Agents etc.
 - ii. Corporate taxes and Fringe benefit tax in respect of CONTRACTOR and all of their sub-CONTRACTORS, agents etc.
 - iii. Other taxes & duties including Customs Duty and GST in addition to new taxes etc. in respect of sub-CONTRACTORS, vendors, agents etc. of the CONTRACTOR.
 - iv. Any liability on the CONTRACTOR, which was accrued under the old law or contract, which the CONTRACTOR is obligated to pay either to the COMPANY or to the Government Authority.
- 39.6** In order to ascertain the net impact of the amendment/ revisions/enactment of various provisions of taxes/duties, the CONTRACTOR is liable to provide following disclosure to COMPANY:
- i. Details of each of the input services used in relation to providing service to COMPANY including estimated monthly value of input service and GST tax amount.
 - ii. Details of Inputs (material/consumable) used/required for providing service to COMPANY including estimated monthly value of input and GST paid/payable on purchase of inputs.
- 39.7** The above provisions would be applicable only in case of variation in rate of taxes and duties on supply of services to OIL and not applicable on taxes and duties on

input (goods and services) towards such services.

- 39.8** Any claim or reduction on account of change in law shall be accompanied with undertaking that the provisions of anti- profiteering clause under GST Act have been complied with.

40.0 SEVERABILITY:

Should any provision of this agreement be found to be invalid, illegal or otherwise not enforceable by any court of law, such finding shall not affect the remaining provisions hereto and they shall remain binding on the parties hereto.

41.0 COMMISSION OF MISCONDUCT/SUBMISSION OF FRAUDULENT DOCUMENT BY THE BIDDER/CONTRACTOR AND BANNING THEREOF:

The information and documents furnished by the bidder/CONTRACTOR in respect of the tender/contract are accepted by COMPANY to be true and genuine. However, if it comes to the notice of the COMPANY anytime either during the pendency of the tender or after award of the contract or after completion the contract that a Bidder/CONTRACTOR furnished fraudulent document/false information in relation to the subject tender/contract or committed any misconduct, appropriate action shall be taken against the Bidder/CONTRACTOR for debarment/banning of the bidder/CONTRACTOR from participating in any future tender of the COMPANY in terms of the COMPANY's Banning Policy besides making the CONTRACTOR liable for other penal action including termination of ongoing contract(s) at his/her risk and peril. In such event, the Performance Security in respect of ongoing contract(s) shall be forfeited by the COMPANY.

42.0 SETTLEMENT OF DISPUTES:

42.1 Arbitration (Applicable for Suppliers/CONTRACTORs other than PSU and MSME):

1) 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:

2) 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.

3) 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.

4) 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 3 rd Arbitrator, who shall be the presiding Arbitrator, by the two Arbitrators.

5) 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.

6) 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.

7) 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.

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

9) 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:

- (i) 20% of the fees if the claimant has not submitted statement of claim.
- (ii) 40% of the fees if the pleadings are complete
- (iii) 60% of the fees if the hearing has commenced.
- (iv) 80% of the fees if the hearing is concluded but the award is yet to be passed.

10) 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.

11) 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.

12) 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.

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

14) 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.

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

a) 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.

b) 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

c) 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.

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

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.

42.4 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:

- a) 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.
- b) 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).
- c) 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.
- d) 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.
- e) 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.
- f) 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.
- g) 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.

- h) 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.
- i) 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.
- j) 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.
- k) 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.
- l) 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.

42.5 Exclusions

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

- i) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision to initiate any proceedings for 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.
- ii) Any claim, difference or dispute relating to, connected with or arising out of OIL's decision under the provisions of Integrity Pact executed between OIL and the Bidder/CONTRACTOR.
- iii) 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.
- iv) Any claim which is less than Rs. 25 Lakh.

43.0 COMPLETION OF CONTRACT:

Unless otherwise terminated under the provisions of any other relevant Clause or extended through written communication, this Contract shall be deemed to have been completed at the expiry of the Period specified in the contract or period of defect liability, as provided for under the Contract, whichever is later.

44.0 TERMINATION:

44.1 Termination on expiry of the contract: This Agreement shall be deemed to have been automatically terminated on the expiry of the contract period unless OIL has exercised its option to extend this contract in accordance with the provisions, if any, of this contract.

44.2 Termination of contract for death: If the CONTRACTOR is an individual or a proprietary concern and the individual or the proprietor dies or if the CONTRACTOR is a partnership concern and one of the partners dies then unless, the COMPANY is satisfied that the legal heir of the individual or the proprietary concern or the surviving partners are capable of carrying out and completing Contract, the COMPANY is entitled to cancel the Contract for the uncompleted part without being in any way liable for any compensation payment to the estate of the deceased CONTRACTOR and/or to the surviving partners of the CONTRACTOR's firm on account of the cancellation of Contract. The decision of the COMPANY in such assessment shall be final & binding on the parties. In the event of such cancellation, the COMPANY shall not hold the estate of the deceased CONTRACTOR and/or the surviving partners of CONTRACTOR's firm liable for any damages for non-completion of the Contract.

44.3 Termination on account of Force Majeure: Unless the contract provides otherwise, either party shall have the right to terminate this Contract on account of Force Majeure as set forth in Article-31.0 [above](#).

44.4 Termination on account of insolvency: In the event that the CONTRACTOR or its collaborator or its guarantor at any time during the term of the Contract, becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt or under the process of insolvency or liquidation, then the COMPANY shall, by a notice in writing have the right to terminate the Contract and all the CONTRACTOR's rights and privileges hereunder, shall stand terminated forthwith.

However, COMPANY shall be at liberty to give the Receiver or Liquidator or Insolvency Professional Manager, as appointed by the Competent Court/Tribunal, the option of carrying out the Contract subject to its technical & financial competence and his providing a guarantee for due and faithful performance of the Contract.

44.5 Termination for Unsatisfactory Performance: If the COMPANY considers that, the performance of the CONTRACTOR is unsatisfactory, or not as per the provision of the Contract, the COMPANY shall notify the CONTRACTOR in writing and specify in details the cause of dissatisfaction. The COMPANY shall have the option to terminate the Contract by giving 15 days notice in writing to the CONTRACTOR, if CONTRACTOR fails to comply with the requisitions contained in the said written notice issued by the COMPANY. In the event CONTRACTOR rectifies its non-performance to the satisfaction of the COMPANY, the option of termination may not be exercised by the COMPANY. If however CONTRACTOR repeats non-performance subsequently, COMPANY shall exercise the option to terminate contract by giving 07 days notice. Such CONTRACTOR shall be put on holiday as per the Banning Policy of OIL [[available at www.oil-india.in](http://www.oil-india.in)].

44.6 Termination due to change of ownership and Assignment: In case the CONTRACTOR's rights and /or obligations under this Contract and/or the

CONTRACTOR's rights, title and interest to the equipment/ material, are transferred or assigned without the COMPANY's written consent, the COMPANY may at its option, terminate this Contract. COMPANY shall not be however under any obligation to accord consent to the CONTRACTOR for change of ownership & assignment of the contract.

44.7 If at any time during the term of this Contract, breakdown of CONTRACTOR's equipment results in CONTRACTORS being unable to perform their obligations hereunder for a period of 15 successive days, COMPANY at its option, may terminate this Contract in its entirety or partially to the extent non-performance, without any further right or obligation on the part of the COMPANY, except for the payment of money then due. No notice shall be served by the COMPANY under the condition stated above.

44.8 Termination for delay in mobilization: CONTRACTOR is required to mobilize complete equipment alongwith crew for commencement of services at the specified site within the maximum allowed number of days from the date of LOA/Notice for Mobilization as specified in the special conditions of contract. If the CONTRACTOR (successful bidder) fails to complete the mobilization as above, OIL shall have, without prejudice to any other clause of the CONTRACT, the right to terminate the contract.

44.9 Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from **44.1 to 44.8** and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination.

44.10 Consequence of Termination: In all cases of termination herein set forth, the relative obligations of the parties to the Contract shall be limited to the period up to the date of termination. Notwithstanding the termination of this Contract, the parties shall continue to be bound by the provisions of this Contract that reasonably require some action or forbearance after such termination.

Upon termination of this Contract, CONTRACTOR shall return to COMPANY all of COMPANY's properties, which are at the time in CONTRACTOR's possession.

In the event of termination of contract, COMPANY will issue Notice of termination of the contract with date or event after which the contract will be terminated. The contract shall then stand terminated and the CONTRACTOR shall demobilize their personnel & materials.

Demobilization charges shall not be payable by COMPANY in case of Article from **44.4 to 44.7**

45.0 TO DETERMINE THE CONTRACT:

In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the contract shall stand terminated and shall cease to be in force from the date of such notification by the COMPANY. Thereafter the CONTRACTOR shall stop forthwith any of the work then in progress, except those work which the COMPANY may, in writing, require to be done to safeguard any property or work, or installations from damages, and the COMPANY may take over the remaining

unfinished work of the CONTRACTOR and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR, and any of its sureties if any, shall be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices.

46.0 WITHOUT DETERMINING THE CONTRACT: In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the COMPANY may take over the work of the CONTRACTOR or any part thereof and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR. The CONTRACTOR and any of its sureties are liable to the COMPANY for any excess cost over and above the cost at the rates specified in the schedule of quantities and rates/prices, occasioned by such work having been taken over and completed by the COMPANY.

47.0 ERRING/DEFAULTING AGENCIES:

Erring and defaulting agencies like bidder, CONTRACTOR, supplier, vendor, service provider will be dealt as per OIL's Banning Policy available in OIL's website: www.oil-india.com. Moreover, OIL reserves the right to take legal or any other action on the basis of merit of the case.

48.0 MISCELLANEOUS PROVISIONS:

CONTRACTOR shall give notices and pay all fees at their own cost required to be given or paid by any National or State Statute, Ordinance, or other Law or any regulation, or bye-law of any local or other duly constituted authority as may be in force from time to time in India, in relation to the performance of the services and by the rules & regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the services.

CONTRACTOR shall conform in all respects with the provisions of any Statute, Ordinance of Law as aforesaid and the regulations or bye-law of any local or other duly constituted authority which may be applicable to the services and with such rules and regulation, public bodies and Companies as aforesaid and shall keep COMPANY indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law.

During the tenure of the Contract, CONTRACTOR shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works no longer required. On the completion of the services, CONTRACTOR shall clear away and remove from the site any surplus materials; rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition to the satisfaction of the COMPANY.

Key personnel cannot be changed during the tenure of the Contract except due to sickness/death/resignation of the personnel or any other justified situation in which case the replaced person should have equal experience and qualification, which will be again subject to prior approval, by the COMPANY.

END OF PART-I GCC

SCHEDULE OF WORK, UNIT AND QUANTITY (SOQ) & TERMS OF PAYMENT

DESCRIPTION OF WORK/SERVICE: Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.

Section (A): 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section (B): Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section (C): Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).

1.0 SCHEDULE OF WORK, UNIT AND QUANTITY:

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
1	(A)	Supply of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	2.00
	(B)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	2.00
	(C)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	1.00
		Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	NO.	2.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
2	(A)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00
	(B)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00
	(C)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	3.00
3	(A)	Supply of Anode Junction Box (IP55)	NO.	2.00
	(B)	Supply of Anode Junction Box (IP55)	NO.	2.00
	(C)	Supply of Anode Junction Box (IP55)	NO.	1.00
		Supply of Anode Junction Box (IP65)	NO.	2.00
4	(A)	Supply of Cathode Junction Box (IP55)	NO.	2.00
	(B)	Supply of Cathode Junction Box (IP55)	NO.	2.00
	(C)	Supply of Cathode Junction Box (IP55)	NO.	1.00
		Supply of Cathode Junction Box (IP65)	NO.	2.00
5	(A)	Supply of Test Lead Post (Small)	NO.	47.00
	(B)	Supply of Test Lead Post (Small)	NO.	60.00
	(C)	Supply of Test Lead Post (Small)	NO.	103.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
6	(A)	Supply of Test Lead Post (Big)	NO.	16.00
	(B)	Supply of Test Lead Post (Big)	NO.	4.00
	(C)	Supply of Test Lead Post (Big)	NO.	4.00
7	(A)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	SET	2.00
	(B)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	SET	7.00
	(C)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	SET	10.00
8	(A)	Supply of Surge Diverter	NO.	12.00
	(B)	Supply of Surge Diverter	NO.	18.00
	(C)	Supply of Surge Diverter	NO.	32.00
9	(A)	Supply of GI Earthing Electrodes	NO.	12.00
	(B)	Supply of GI Earthing Electrodes	NO.	18.00
	(C)	Supply of GI Earthing Electrodes	NO.	32.00
10	(A)	Supply of Permanent Cu/CuSO4 Reference Cell	NO.	8.00
	(B)	Supply of Permanent Cu/CuSO4 Reference Cell	NO.	9.00
	(C)	Supply of Permanent Cu/CuSO4 Reference Cell	NO.	13.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
11	(A)	Supply of Polarisation Cell (Kirk cell)	NO.	4.00
12	(A)	Supply of Zinc Anode (20 kg each)	NO.	8.00
13	(A)	Supply of Petroleum Coke Breeze	KG	4,000.00
	(B)	Supply of Petroleum Coke Breeze	KG	4,000.00
	(C)	Supply of Petroleum Coke Breeze	KG	6,000.00
14	(A)	Supply of Junction box for bonding (Bond boxes)	NO.	1.00
	(B)	Supply of Junction box for bonding (Bond boxes)	NO.	3.00
	(C)	Supply of Junction box for bonding (Bond boxes)	NO.	7.00
15	(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00
	(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00
	(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	3,200.00
16	(A)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(B)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00
	(C)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	3,150.00
17	(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,000.00
	(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,300.00
	(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	5,000.00
18	(A)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00
	(B)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00
	(C)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	1,000.00
19	(A)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	2,000.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(B)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	800.00
	(C)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	1,200.00
20	(A)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00
	(B)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00
	(C)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,650.00
21	(A)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00
	(B)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00
	(C)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	500.00
22	(A)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	300.00
	(B)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	350.00
	(C)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	520.00
23	(A)	Supply of O&M items for CP system-Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	SET	1.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(B)	Supply of O&M items for CP system-Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	SET	1.00
	(C)	Supply of O&M items for CP system-Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	SET	1.00
24	(A)	Installation of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.	NO.	2.00
	(B)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.	NO.	2.00
	(C)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	1.00
		Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	NO.	2.00
25	(A)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00
	(B)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00
	(C)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	3.00
26	(A)	Installation of Anode Junction Box (IP55)	NO.	2.00
	(B)	Installation of Anode Junction Box (IP55)	NO.	2.00
	(C)	Installation of Anode Junction Box (IP55)	NO.	1.00
		Installation of Anode Junction Box (IP65)	NO.	2.00
27	(A)	Installation of Cathode Junction Box (IP55)	NO.	2.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(B)	Installation of Cathode Junction Box (IP55)	NO.	2.00
	(C)	Installation of Cathode Junction Box (IP55)	NO.	1.00
		Installation of Cathode Junction Box (IP65)	NO.	2.00
28	(A)	Installation of Test Lead Post (Small).	NO.	45.00
	(B)	Installation of Test Lead Post (Small).	NO.	58.00
	(C)	Installation of Test Lead Post (Small).	NO.	101.00
29	(A)	Installation of Test Lead Post (Big).	NO.	14.00
	(B)	Installation of Test Lead Post (Big).	NO.	2.00
	(C)	Installation of Test Lead Post (Big).	NO.	2.00
30	(A)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	NO.	2.00
	(B)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	NO.	7.00
	(C)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	NO.	10.00
31	(A)	Installation of Surge Diverter.	NO.	12.00
	(B)	Installation of Surge Diverter.	NO.	18.00
	(C)	Installation of Surge Diverter.	NO.	32.00
32	(A)	Installation of GI Earthing Electrodes.	NO.	12.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(B)	Installation of GI Earthing Electrodes.	NO.	18.00
	(C)	Installation of GI Earthing Electrodes.	NO.	32.00
33	(A)	Installation of Permanent Cu/CuSO4 Reference Cell	NO.	8.00
	(B)	Installation of Permanent Cu/CuSO4 Reference Cell	NO.	9.00
	(C)	Installation of Permanent Cu/CuSO4 Reference Cell	NO.	13.00
34	(A)	Installation of Polarisation Cell (Kirk Cell)	NO.	4.00
35	(A)	Installation of Zinc Anode (20 kg each)	NO.	8.00
36	(A)	Petroleum Coke Breeze backfill activity.	KG	4,000.00
	(B)	Petroleum Coke Breeze backfill activity.	KG	4,000.00
	(C)	Petroleum Coke Breeze backfill activity.	KG	6,000.00
37	(A)	Installation of Junction Box for Bonding (Bond boxes)	NO.	1.00
	(B)	Installation of Junction Box for Bonding (Bond boxes)	NO.	3.00
	(C)	Installation of Junction Box for Bonding (Bond boxes)	NO.	6.00
38	(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00
	(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	3,200.00
39	(A)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00
	(B)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00
	(C)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	3,150.00
40	(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,000.00
	(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,300.00
	(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	5,000.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
41	(A)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00
	(B)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00
	(C)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	1,000.00
42	(A)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	2,000.00
	(B)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	800.00
	(C)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	1,200.00
43	(A)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00
	(B)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00
	(C)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,650.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
44	(A)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00
	(B)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00
	(C)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	500.00
45	(A)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	300.00
	(B)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	350.00
	(C)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	520.00
46	(A)	Installation of shed for TRU and fencing around TRU (Including supply).	SET	2.00
	(B)	Installation of shed for TRU and fencing around TRU (Including supply).	SET	2.00
	(C)	Installation of shed for TRU and fencing around TRU (Including supply).	SET	3.00
47	(A)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	NO.	2.00
		Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	NO.	2.00
		Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	NO.	1.00
	(B)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	NO.	3.00
		Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	NO.	2.00
		Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	NO.	1.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(C)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	NO.	4.00
		Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	NO.	3.00
		Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	NO.	1.00
48	(A)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	SET	1.00
	(B)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	SET	1.00
	(C)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	SET	1.00
49	(A)	Soil Resistivity Survey (For Anode Ground Bed Locations)	SET	1.00
	(B)	Soil Resistivity Survey (For Anode Ground Bed Locations)	SET	1.00
	(C)	Soil Resistivity Survey (For Anode Ground Bed Locations)	SET	1.00
50	(A)	Testing and Commissioning of PCP system	SET	1.00
	(B)	Testing and Commissioning of PCP system	SET	1.00
	(C)	Testing and Commissioning of PCP system	SET	1.00
51	(A)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	KM	54.00
	(B)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	KM	35.00

Item No.	Section of Pipelines	Description of Services	UOM	Estimated Quantity
	(C)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	KM	122.00
1. Tenure of Agreement: 02 (Two) years from the date of issue of Letter of Award (LOA) including the mobilization period. Accordingly, the scheduled contract end date shall remain firm even in case of delayed mobilization.				
2. Mobilisation Period: 45 days from the date of issue of Letter of Award (LOA).				

2.0 TERMS OF PAYMENT/ PAYMENT SCHEDULE:

Payment against the contract shall be made as per the following sets of payment schedule after successful completion of all the activities under each set for the section of pipelines:

PAYMENT SCHEDULE (SET 1)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	1	SET
(B)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	1	SET
(C)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	1	SET
(A)	Soil Resistivity Survey (For Anode Ground Bed Locations)	1	SET
(B)	Soil Resistivity Survey (For Anode Ground Bed Locations)	1	SET
(C)	Soil Resistivity Survey (For Anode Ground Bed Locations)	1	SET

PAYMENT SCHEDULE (SET 2)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of Test Lead Post (Small)	24	NO.
(A)	Installation of Test Lead Post (Small).	23	NO.

PAYMENT SCHEDULE (SET 3)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of Test Lead Post (Small)	23	NO.
(A)	Installation of Test Lead Post (Small).	22	NO.

PAYMENT SCHEDULE (SET 4)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of Test Lead Post (Big)	16	NO.
(A)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	2	SET
(A)	Supply of Junction box for bonding (Bond boxes)	1	NO.
(A)	Installation of Test Lead Post (Big).	14	NO.
(A)	Installation of TLP with Polarisation coupon, reference cell and magnetic reed switch.	2	NO.
(A)	Installation of Junction Box for Bonding (Bond boxes)	1	NO.

PAYMENT SCHEDULE (SET 5)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of Surge Diverter	12	NO.
(A)	Supply of GI Earthing Electrodes	12	NO.
(A)	Supply of Permanent Cu/CuSO4 Reference Cell	8	NO.
(A)	Supply of Polarisation Cell (Kirk cell)	4	NO.
(A)	Supply of Zinc Anode (20 kg each)	8	NO.
(A)	Installation of Surge Diverter.	12	NO.
(A)	Installation of GI Earthing Electrodes.	12	NO.
(A)	Installation of Permanent Cu/CuSO4 Reference Cell	8	NO.
(A)	Installation of Polarisation Cell (Kirk Cell)	4	NO.
(A)	Installation of Zinc Anode (20 kg each)	8	NO.

PAYMENT SCHEDULE (SET 6)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of Test Lead Post (Small)	30	NO.
(B)	Installation of Test Lead Post (Small).	29	NO.

PAYMENT SCHEDULE (SET 7)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of Test Lead Post (Small)	30	NO.
(B)	Installation of Test Lead Post (Small).	29	NO.

PAYMENT SCHEDULE (SET 8)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of Test Lead Post (Big)	4	NO.
(B)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	7	SET

(B)	Supply of Junction box for bonding (Bond boxes)	3	NO.
(B)	Installation of Test Lead Post (Big).	2	NO.
(B)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	7	NO.
(B)	Installation of Junction Box for Bonding (Bond boxes)	3	NO.

PAYMENT SCHEDULE (SET 9)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of Surge Diverter	18	NO.
(B)	Supply of GI Earthing Electrodes	18	NO.
(B)	Supply of Permanent Cu/CuSO4 Reference Cell	9	NO.
(B)	Supply of Polarisation Cell (Kirk cell)	0	NO.
(B)	Supply of Zinc Anode (20 kg each)	0	NO.
(B)	Installation of Surge Diverter.	18	NO.
(B)	Installation of GI Earthing Electrodes.	18	NO.
(B)	Installation of Permanent Cu/CuSO4 Reference Cell	9	NO.
(B)	Installation of Polarisation Cell (Kirk Cell)	0	NO.
(B)	Installation of Zinc Anode (20 kg each)	0	NO.

PAYMENT SCHEDULE (SET 10)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of Test Lead Post (Small)	35	NO.
(C)	Installation of Test Lead Post (Small).	35	NO.

PAYMENT SCHEDULE (SET 11)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of Test Lead Post (Small)	34	NO.
(C)	Installation of Test Lead Post (Small).	33	NO.

PAYMENT SCHEDULE (SET 12)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of Test Lead Post (Small)	34	NO.
(C)	Installation of Test Lead Post (Small).	33	NO.

PAYMENT SCHEDULE (SET 13)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of Test Lead Post (Big)	4	NO.
(C)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	10	SET

(C)	Supply of Junction box for bonding (Bond boxes)	7	NO.
(C)	Installation of Test Lead Post (Big).	2	NO.
(C)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	10	NO.
(C)	Installation of Junction Box for Bonding (Bond boxes)	6	NO.

PAYMENT SCHEDULE (SET 14)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of Surge Diverter	32	NO.
(C)	Supply of GI Earthing Electrodes	32	NO.
(C)	Supply of Permanent Cu/CuSO4 Reference Cell	13	NO.
(C)	Supply of Polarisation Cell (Kirk cell)	0	NO.
(C)	Supply of Zinc Anode (20 kg each)	0	NO.
(C)	Installation of Surge Diverter.	32	NO.
(C)	Installation of GI Earthing Electrodes.	32	NO.
(C)	Installation of Permanent Cu/CuSO4 Reference Cell	13	NO.
(C)	Installation of Polarisation Cell (Kirk Cell)	0	NO.
(C)	Installation of Zinc Anode (20 kg each)	0	NO.

PAYMENT SCHEDULE (SET 15)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1500	M
(A)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(A)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	150	NO.
(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1500	M
(A)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(A)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	150	NO.

PAYMENT SCHEDULE (SET 16)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1500	M
(A)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(A)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	150	NO.
(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1500	M
(A)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(A)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	150	NO.

PAYMENT SCHEDULE (SET 17)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1650	M
(B)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(B)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	175	NO.
(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1650	M
(B)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(B)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	175	NO.

PAYMENT SCHEDULE (SET 18)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1650	M
(B)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(B)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	175	NO.
(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1650	M
(B)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	250	M
(B)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	175	NO.

PAYMENT SCHEDULE (SET 19)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1667	M
(C)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	333	M
(C)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	173	NO.
(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1667	M
(C)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	333	M
(C)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	173	NO.

PAYMENT SCHEDULE (SET 20)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1667	M
(C)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	333	M
(C)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	173	NO.
(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1667	M
(C)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	333	M
(C)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	173	NO.

PAYMENT SCHEDULE (SET 21)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1667	M
(C)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	333	M
(C)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	173	NO.
(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	1667	M
(C)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	333	M
(C)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	173	NO.

PAYMENT SCHEDULE (SET 22)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	1	NO.
(A)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(A)	Supply of Anode Junction Box (IP55)	1	NO.
(A)	Supply of Cathode Junction Box (IP55)	1	NO.
(A)	Installation of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.	1	NO.
(A)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(A)	Installation of Anode Junction Box (IP55)	1	NO.
(A)	Installation of Cathode Junction Box (IP55)	1	NO.
(A)	Supply of Petroleum Coke Breeze	2000	KG
(A)	Petroleum Coke Breeze backfill activity.	2000	KG
(A)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 23)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	1	NO.
(A)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(A)	Supply of Anode Junction Box (IP55)	1	NO.
(A)	Supply of Cathode Junction Box (IP55)	1	NO.
(A)	Installation of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.	1	NO.
(A)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(A)	Installation of Anode Junction Box (IP55)	1	NO.
(A)	Installation of Cathode Junction Box (IP55)	1	NO.
(A)	Supply of Petroleum Coke Breeze	2000	KG
(A)	Petroleum Coke Breeze backfill activity.	2000	KG
(A)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 24)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(A)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(A)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	1000	M
(A)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(A)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M
(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(A)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(A)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	1000	M
(A)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(A)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M

PAYMENT SCHEDULE (SET 25)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(A)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(A)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	1000	M

(A)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(A)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M
(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated, FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(A)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables, FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(A)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	1000	M
(A)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(A)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M

PAYMENT SCHEDULE (SET 26)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	1	NO.
(B)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(B)	Supply of Anode Junction Box (IP55)	1	NO.
(B)	Supply of Cathode Junction Box (IP55)	1	NO.
(B)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.	1	NO.
(B)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(B)	Installation of Anode Junction Box (IP55)	1	NO.
(B)	Installation of Cathode Junction Box (IP55)	1	NO.
(B)	Supply of Petroleum Coke Breeze	2000	KG
(B)	Petroleum Coke Breeze backfill activity.	2000	KG
(B)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 27)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	1	NO.

(B)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(B)	Supply of Anode Junction Box (IP55)	1	NO.
(B)	Supply of Cathode Junction Box (IP55)	1	NO.
(B)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.	1	NO.
(B)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(B)	Installation of Anode Junction Box (IP55)	1	NO.
(B)	Installation of Cathode Junction Box (IP55)	1	NO.
(B)	Supply of Petroleum Coke Breeze	2000	KG
(B)	Petroleum Coke Breeze backfill activity.	2000	KG
(B)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 28)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(B)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(B)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(B)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(B)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M
(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(B)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(B)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(B)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M

(B)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M
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PAYMENT SCHEDULE (SET 29)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(B)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(B)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(B)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(B)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M
(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1100	M
(B)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(B)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(B)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(B)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	150	M

PAYMENT SCHEDULE (SET 30)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	1	NO.
(C)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(C)	Supply of Anode Junction Box (IP55)	1	NO.
(C)	Supply of Cathode Junction Box (IP55)	1	NO.

(C)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	1	NO.
(C)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(C)	Installation of Anode Junction Box (IP55)	1	NO.
(C)	Installation of Cathode Junction Box (IP55)	1	NO.
(C)	Supply of Petroleum Coke Breeze	2000	KG
(C)	Petroleum Coke Breeze backfill activity.	2000	KG
(C)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 31)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	1	NO.
(C)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(C)	Supply of Anode Junction Box (IP65)	1	NO.
(C)	Supply of Cathode Junction Box (IP65)	1	NO.
(C)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	1	NO.
(C)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(C)	Installation of Anode Junction Box (IP65)	1	NO.
(C)	Installation of Cathode Junction Box (IP65)	1	NO.
(C)	Supply of Petroleum Coke Breeze	2000	KG
(C)	Petroleum Coke Breeze backfill activity.	2000	KG
(C)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 32)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	1	NO.
(C)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(C)	Supply of Anode Junction Box (IP65)	1	NO.
(C)	Supply of Cathode Junction Box (IP65)	1	NO.
(C)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	1	NO.
(C)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	1	NO.
(C)	Installation of Anode Junction Box (IP65)	1	NO.

(C)	Installation of Cathode Junction Box (IP65)	1	NO.
(C)	Supply of Petroleum Coke Breeze	2000	KG
(C)	Petroleum Coke Breeze backfill activity.	2000	KG
(C)	Installation of shed for TRU and fencing around TRU (Including supply).	1	SET

PAYMENT SCHEDULE (SET 33)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1067	M
(C)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(C)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(C)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(C)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	167	M
(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1067	M
(C)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(C)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(C)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(C)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	167	M

PAYMENT SCHEDULE (SET 34)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1067	M

(C)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(C)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(C)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(C)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	167	M
(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1067	M
(C)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(C)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(C)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(C)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	167	M

PAYMENT SCHEDULE (SET 35)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1067	M
(C)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(C)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(C)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(C)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	167	M
(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	1067	M

(C)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	1050	M
(C)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	400	M
(C)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	550	M
(C)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	167	M

PAYMENT SCHEDULE (SET 36)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	2	NO.
	Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	2	NO.
	Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	1	NO.
(B)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	3	NO.
	Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	2	NO.
	Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	1	NO.
(C)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	4	NO.
	Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	3	NO.
	Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	1	NO.

PAYMENT SCHEDULE (SET 37)

SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Testing and Commissioning of PCP system	1	SET
(B)	Testing and Commissioning of PCP system	1	SET
(C)	Testing and Commissioning of PCP system	1	SET
(A)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	54	KM
(B)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	35	KM

(C)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	122	KM
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PAYMENT SCHEDULE (SET 38)			
SECTION	ACTIVITY	ESTIMATED QUANTITY	UNIT
(A)	Supply of O&M items for CP system- Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	1	SET
(B)	Supply of O&M items for CP system- Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	1	SET
(C)	Supply of O&M items for CP system- Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	1	SET

END OF PART-II SOQ

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Clauses of SCC shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

SECTION-I:

Mobilization	<ol style="list-style-type: none"> 1. Mobilisation shall start from the date of issue of Letter of Award (LoA). 2. Mobilisation shall be considered complete on submission/ placement of the following- <ol style="list-style-type: none"> a) Submission of a general Safe Operating Procedure to the COMPANY. b) Submission of credentials of the INSPECTION AGENCY to be engaged by the CONTRACTOR for work specified in relevant Clause. c) Submission of List of manpower to be deployed along with Form-B. List of manpower must be as per the Manpower clause. d) Submission of Labour Clearance and medical fitness certificate (Form-O), Insurance Documents as specified under relevant clause, Provident Fund UAN of workers/ or a declaration by the applicant that provisions of Provident Fund Act is not applicable to them (with documentary evidence). e) Physical verification of the contractor's owned equipment as certified in Format F-1 (submitted with the bid document). This equipment shall be available at 'Duliajan' for physical verification by a company representative. In the event, contractor is unable to produce the equipment at 'Duliajan' for physical verification, mobilisation shall be deemed incomplete. 3. Mobilisation Period: Mobilisation shall be completed within 45 days from the date of issue of Letter of Award (LoA). 4. The Contractor shall receive an intimation letter by the Company about completion of mobilization. Based on completion of mobilization, Company shall issue the Work Order. <p>On compliance of the above, as mentioned in para 1 to 4, Mobilization shall be treated as complete.</p>
Duration of contract	02 (Two) years from the date of issue of Letter of Award (LOA) including the mobilization period. Accordingly, the scheduled

	contract end date shall remain firm even in case of delayed mobilization.
Inspection	As per Clause under Section IV (B) (V)
Performance Security	10% of Contract value.
Terms of Payment	<p>As per Payment Schedule in Part-II SOQ.</p> <p>COMPLIANCE TOWARDS LOCAL CONTENT</p> <p>a) Contractor shall have to comply with the provision of Public Procurement (Preference to Make in India) Order, 2017 and as amended time to time by the Department for Promotion of Industry and Internal Trade (DPIIT), Government of India. As compliance to the said order, the Contractor had stated minimum local content as ___ % during the bidding stage, which they must maintain during the execution period.</p> <p>b) The Contractor shall submit a Local Content Certificate certifying the percentage of local content along with each invoice.</p> <p>c) Such certificate should be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of other than companies) giving the percentage of local content. [Only in case the awarded Contract value is more than ₹ 10 Crore].</p> <p>d) The percentage of Local Content may vary with each invoice while contractor will have to maintain the overall percentage 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 raise up to that stage, the Contractor shall indicate how the Local Content requirement would be in the subsequent stages.</p>
Submission of Invoice	<p>All Invoices are to be sent to the following address after completion of an allotted job:</p> <p>GM – OGPL&P Oil India Limited, P.O. Duliajan-786602 Dist. Dibrugarh, Assam</p>
Insurance	<p>a) Employees' compensation insurance as required by the laws of the country of origin of the employee.</p> <p>b) General Public Liability Insurance or Comprehensive General Liability insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This</p>

	<p>insurance must cover all operations of Contractor required to fulfil the provisions under this contract.</p> <p>In case of non-renewal of Insurance, deduction shall be made as per pro-rata basis (Basis of Deduction shall be Insurance premium paid in actual by Contractor).</p>
Liquidated Damage	<p><u>LIQUIDATED DAMAGES FOR DELAY IN MOBILIZATION/ COMPLETION:</u> In the event of the Contractor's default in timely mobilization/ completion within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of contract value, per week or part thereof of delay subject to maximum ceiling of 7.5% of contract value.</p> <p>GST shall not be applicable on Liquidated Damages.</p>
Provision of Personnel facilities	<p><u>FOOD, ACCOMMODATION, TRANSPORTATION AND MEDICAL FACILITY AT WORKSITE-</u></p> <p>Food, accommodation, transportation & medical facility of Contractor's personnel shall be the sole responsibility of the Contractor and company shall have no obligation or liability as regards to the same.</p>
Miscellaneous Provisions: Key personnel	As per Manpower clause no. 20 of Section-IV (A) in SCC
Statutory variation/ Newly enacted Law:	Contractor's Liability.
Subcontracting: Allowed/Not Allowed	Not Allowed
Address details for submission of invoice	<p>All Invoices are to be sent to the following address:</p> <p>GM – OGPL&P Oil India Limited, P.O. Duliajan-786602 Dist. Dibrugarh, Assam</p>

SECTION II: GOODS AND SERVICES TAX:

1. In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax, Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, Service Tax, VAT, Sales Tax, Entry Tax or any other form of indirect tax except of GST mentioned in the bidding document shall be ignored.

Bidders are required to submit copy of the GST Registration Certificate while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.

2. “GST” shall mean Goods and Services Tax charged on the supply of material(s) and services. The term “GST” shall be construed to include the Integrated Goods and Services Tax (hereinafter referred to as “IGST”) or Central Goods and Services Tax (hereinafter referred to as “CGST”) or State Goods and Services Tax (hereinafter referred to as “SGST”) or Union Territory Goods and Services Tax (hereinafter referred to as “UTGST”) depending upon the import / interstate or intrastate supplies, as the case may be. It shall also mean GST compensation Cess, if applicable.

3. Quoted price/rate(s) should be inclusive of all taxes and duties, except GST (i.e. IGST or CGST and SGST/UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the Price Bid. The responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the Supplier of Goods/Services (Service Provider) only. Supplier of Goods/Services (Service Provider) providing taxable service shall issue an Invoice/Bill, as the case may be as per rules/regulation of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by Supplier of Goods/Services (Service Provider) with requisite details.

4. Bidder should also mention the Harmonised System of Nomenclature (HSN) and Service Accounting Codes (SAC) at the designated place in SOR.

5. Where the OIL is entitled to avail the input tax credit of GST: OIL will reimburse the GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST to enable OIL to claim input tax credit of GST paid. In case of any variation in the executed quantities, the amount on which the GST is applicable shall be modified in same proportion. Returns and details required to be filled under GST laws & rules should be timely filed by supplier with requisite details.

The input tax credit of GST quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.

6. Where the OIL is not entitled to avail/take the full input tax credit of GST: OIL will reimburse GST to the Supplier of Goods / Services (Service Provider) at actual against submission of Invoices as per format specified in rules/ regulation of GST subject to the ceiling amount of GST as quoted by the bidder. In case of any variation in the executed quantities (If directed and/or certified by the In-Charge) the ceiling amount on which GST is applicable will be modified on pro-rata basis.

The bids will be evaluated based on total price including GST.

7. Payments to Service Provider for claiming GST amount will be made provided the above formalities are fulfilled. Further, OIL may seek copies of challan and certificate from Chartered Accountant for deposit of GST collected from OIL.

8. Contractor/Contractor shall be required to issue tax invoice in accordance with GST Act and/or Rules so that input credit can be availed by OIL. In the event that the contractor / Contractor fails to provide the invoice in the form and manner prescribed under the GST Act read with GST Invoicing Rules there under, OIL shall not be liable to make any payment on account of GST against such invoice.

9. GST shall be paid against receipt of tax invoice and proof of payment of GST to

government. In case of non-receipt of tax invoice or non-payment of GST by the contractor/Contractor, OIL shall withhold the payment of GST.

10. GST payable under reverse charge mechanism for specified services or goods under GST act or rules, if any, shall not be paid to the contractor/Contractor but will be directly deposited to the government by OIL.

11. Where OIL has the obligation to discharge GST liability under reverse charge mechanism and OIL has paid or is /liable to pay GST to the Government on which interest or penalties becomes payable as per GST laws for any reason which is not attributable to OIL or ITC with respect to such payments is not available to OIL for any reason which is not attributable to OIL, then OIL shall be entitled to deduct/ setoff / recover such amounts against any amounts paid or payable by OIL to Contractor / Supplier.

12. Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the GST charged by the Contractor / Contractor is denied by the tax authorities to OIL for reasons attributable to Contractor / Contractor, OIL shall be entitled to recover such amount from the Contractor / Contractor by way of adjustment from the next invoice. In addition to the amount of GST, OIL shall also be entitled to recover interest at the rate prescribed under GST Act and penalty, in case any penalty is imposed by the tax authorities on OIL.

13. TDS under GST, if applicable, shall be deducted from contractor's/Contractor's bill at applicable rate and a certificate as per rules for tax so deducted shall be provided to the contractor/Contractor.

14. The Contractor will be under obligation for charging correct rate of tax as prescribed under the respective tax laws. Further the Contractor shall avail and pass on benefits of all exemptions/concessions available under tax laws. Any error of interpretation of applicability of taxes/ duties by the contractor shall be to contractor's account.

15. It is the responsibility of the bidder to quote the correct GST rate. The classification of goods/services as per GST (Goods & Service Tax) Act should be correctly done by the contractor to ensure that input tax credit on GST (Goods & Service Tax) is not lost to the OIL on account of any error on the part of the contractor.

16. In case, the quoted information related to various taxes, duties & levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference and in case the rate of duty/taxes finally assessed is on the lower side.

17. Notwithstanding anything mentioned elsewhere in the Bidding Document the aggregate liability of OIL towards Payment of Taxes & Duties shall be limited to the volume of GST declared by the bidder in its bid & nothing shall be payable extra except for the statutory variation in taxes & duties.

18. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting/IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.

19. GST liability, if any on account of supply of free samples against any tender shall be to bidder's account.
20. In case of statutory variation in GST, other than due to change in turnover, payable on the contract value during contract period, the Supplier of Goods/ Services (Service Provider) shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the Bid due date and on the date of revision.
21. Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate GST shall be passed on to the OIL.
22. Beyond the contract period, in case OIL is entitled for input tax credit of GST, then statutory variation in applicable GST on supply and on incidental services, shall be to OIL's account.
23. Claim for payment of GST/ Statutory variation, should be raised within two [02] months from the date of issue of 'Government Notification' for payment of differential (in %) GST, otherwise claim in respect of above shall not be entertained for payment of arrears.
24. The base date for the purpose of applying statutory variation shall be the Bid Opening Date.
25. The contractor will be liable to ensure to have registered with the respective tax authorities, wherever applicable and to submit self-attested copy of such registration certificate(s) and the Contractor will be responsible for procurement of material in its own registration (GSTIN) and also to issue its own Road Permit/ E-way Bill, if applicable etc.
26. In case the bidder is covered under Composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST/UTGST or IGST). Further, such bidder should mention "Cover under composition system" in column for GST (CGST & SGST/UTGST or IGST) of price schedule.
27. OIL will prefer to deal with registered supplier of goods/services under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid. Where OIL is entitled for input credit of GST, the same will be considered for evaluation of bid as per evaluation methodology of tender document.
28. Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy. However, under GST regime, IGST Plus GST compensation cess (if applicable) would be leviable on such imports. Bidders should quote GST as inclusive considering IGST component for the imported Materials portion while quoting their prices on destination basis. However, GST rate to be specified in the price bid format.

29. Documentation requirement for GST: The Contractor will be under the obligation for invoicing correct tax rate of tax/duties as prescribed under the GST law to OIL, and pass on the benefits, if any, after availing input tax credit.

Any invoice issued shall contain the following particulars:

- a) Name, address and GSTIN of the supplier;
 - b) Serial number of the invoice;
 - c) Date of issue;
 - d) Name, address and GSTIN or UIN, if registered of the recipient;
Note: OIL GSTIN numbers are as follows:
Assam :18AAACO2352C1ZW
Arunachal Pradesh :12AAACO2352C1Z8
 - e) Name and address of the recipient and the address of the delivery, along with the State and its code,
 - f) HSN code of goods or Accounting Code of services [SAC];
 - g) Description of goods or services;
 - h) Quantity in case of goods and unit or Unique Quantity Code thereof;
 - i) Total value of supply of goods or services or both;
 - j) Taxable value of supply of goods or services or both taking into discount or abatement if any;
 - k) Rate of tax (IGST, CGST, SGST/ UTGST, cess);
 - l) Amount of tax charged in respect of taxable goods or services (IGST, CGST, SGST/UTGST, cess);
 - m) Place of supply along with the name of State, in case of supply in the course of interstate trade or commerce;
 - n) Address of the delivery where the same is different from the place of supply and
 - o) Signature or digital signature of the supplier or his authorised representative.
- GST invoice shall be prepared in triplicate, in case of supply of goods, in the following manner:
- i) The original copy being marked as ORIGINAL FOR RECIPIENT;
 - ii) The duplicate copy being marked as DUPLICATE FOR TRANSPORTER and
 - iii) The triplicate copy being marked as TRIPLICATE FOR SUPPLIER.

In case of any advance given against any supplies contract, the supplier of the goods shall issue Receipt Voucher containing the details of details of advance taken along with particulars as mentioned in clause no. (a), (b), (c), (d), (g), (k), (l), (m) & (o) above.

30. Anti-profiteering clause

As per Clause 171 of GST Act it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices. The Supplier of Goods / Services may note the above and quote their prices accordingly.

31. In case the GST rating of Contractor on the GST portal / Govt. official website is negative / blacklisted, then the bids may be rejected by OIL. Further, in case rating of bidder is negative / blacklisted after award of work for supply of goods / services, then OIL shall not be obligated or liable to pay or reimburse GST to such Contractor and shall also be entitled to deduct / recover such GST along with all penalties / interest, if any, incurred by OIL.

SECTION-III: OTHER TERMS AND CONDITIONS

Area Of Operation	In OIL's operational areas in the state of Assam and Arunachal Pradesh.
HSE Policy	<p>HEALTH, SAFETY & ENVIRONMENTAL POINTS:</p> <ol style="list-style-type: none"> 1. It will be solely the Contractor'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 hired by him comply with the same requirement as the contractor himself and shall be liable for ensuring compliance all HSE laws by the sub or sub-sub-contractors. 2. Every person deployed by the contractor in a mine must wear safety gadgets to be provided by the contractor. The Contractor shall provide proper Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and company PPE schedule. It will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. All the safety gears are to be provided to the working personnel before commencement of the work. 3. Contractor has to ensure that all work is carried out in accordance with the Statute and SOP and for the purpose he may deploy adequate qualified and competent personnel for the purpose of carrying out the job in a safe manner. 4. All persons deployed by the contractor for working in a mine must undergo initial medical examination, PME and Form O shall be submitted. 5. It will be entirely the responsibility of the Contractor/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. 6. Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the contractor only. 7. Any compensation arising due to accident of the Contractor's personnel while carrying out the job, will be payable by the Insurance agency (liability settlement). 8. The contractor shall have to report all incidents including near miss (if any) to Installation Manager/departamental representative of the concerned department of OIL.

	<p>9. If the company arranges any Mines Vocational training (MVT)/training for the working personnel at site (company employee, contractor worker, etc) the contractor will not have any objection to any such training.</p> <p>10. The health check-up of contractor's personnel is to be done by the contractor in authorized Government Health Centres as per OIL's requirement.</p> <p>11. A contractor employee must, while at work, take reasonable care for the health and safety of people who are at the employee's place of work and who may be affected by the employee's act or omissions at work.</p> <p>12. A contractor employee must, while at work, cooperate with his or her employer or other persons so far as is necessary to enable compliance with any requirement under the act or the regulations that is imposed in the interest of health, safety and welfare of the employee or any other person.</p> <p>13. In case Contractor is found non-compliant of HSE laws as required company will have the right for directing the contractor to take action to comply with the requirements, and for further non-compliance, the contractor will be penalized under prevailing relevant Acts/Rules/Regulations.</p> <p>14. 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 contractor to cease work until the non-compliance is corrected.</p> <p>15. The contractor should prevent the frequent change of his contractual employees as far as practicable.</p> <p>16. The Contractor's personnel engaged for electrical equipment installation inside mines, should possess a valid electrical license issued by the State Electricity Licensing Board. The contractor shall engage adequate number of competent electrical personnel. All the Competent persons shall have appropriate Work Permit/ Supervisory License issued by State Electricity Licensing Board.</p>
Notice	<p>Any notice given by one party to other, pursuant to this Contract shall be sent in writing or by e-mail to the applicable address specified below:</p> <p><u>Company</u></p> <p>a) <u>For contractual matters</u></p> <p>CGM (Contracts) OIL INDIA LIMITED PO DULIAJAN - 786602 ASSAM, INDIA Phone No. 91-374-2808650 Email: contracts@oilindia.in</p>

	<p>b) <u>For technical matters</u></p> <p>GM – OGPL&P, Oil India Limited, P.O. Duliajan-786602 Dist. Dibrugarh, Assam. Phone No. 91-374- 2808390 Email: ogpl@oilindia.in</p> <p><u>Contractor</u></p> <p>_____</p> <p>A notice shall be effective when delivered or on the notice's effective date, whichever is later.</p>
RECORDS, REPORTS AND INSPECTION	<p>Daily Progress Report.</p> <p>As Built Drawings.</p> <p>Equipment Inspection Report.</p>
PENALTY	As per Penalty Clause under Section-IV (A) 40.0
Financing of trade receivables of Micro and Small Enterprises (MSEs) through Trade Receivables Discounting System (TReDS) platform:	<p>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 TREDIS platform with M/s RXIL and M/s A TREDIS 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.</p> <p>(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.</p> <p>(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 TREDIS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the</p>

	<p>Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.</p> <p>(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.</p> <p>Note:</p> <p>(i) Buyer means OIL, who has placed Purchase Order / Contract on a MSE Vendor (Seller).</p> <p>(ii) Seller means a MSE vendor, who has been awarded Purchase Order / Contract by OIL (Buyer).</p>
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SECTION IV: SCOPE OF WORK/TERMS OF REFERENCE/ TECHNICAL SPECIFICATION

(A) SCOPE OF WORK

INTRODUCTION: Oil India Limited (OIL) is a premier Indian National Oil Company engaged in the business of exploration, development and production of crude oil and natural gas, transportation of crude oil and production of LPG. It is intended to implement Permanent Cathodic Protection System in the below sections of pipelines.

Section A: 6 no. of pipelines from Central Gas Gathering Station-Madhuban/Secondary Tank Farm to Industrial area-Duliajan.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP
- (iv) 16" NB rich gas distribution line from NKF to CGGS
- (v) 16" NB lean gas distribution line from CGGS to NKF
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan

Section B: Crude Oil Despatch pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK
- (ii) 8" COD line from location MFK to MORAN OCS

Section C: Crude Oil Despatch pipeline and Natural gas pipeline from Kumchai-Arunachal Pradesh to Kusijan-Assam.

- (i) 8" COD pipeline from location Kumchai EPS-Arunachal Pradesh to location Kusijan Assam
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS-Arunachal Pradesh to location Kusijan-Assam.

1.0 PROJECT EXECUTION PLAN

- 1.1** As soon as the contract is awarded, the pipeline route shall be handed over to the CONTRACTOR. The CONTRACTOR shall plan and mobilize for the activities accordingly.
- 1.2** After completion of the preparatory activities, the CONTRACTOR shall take up the activities for Permanent Cathodic Protection of the pipelines. However, no idle time claim of the CONTRACTOR shall be entertained by the COMPANY on account of delay in start of implementation of Cathodic Protection job.

2.0 MOBILISATION

The CONTRACTOR shall start Mobilization immediate on issue of Letter of Award (LOA). The contract will be signed after the submission of Performance Security by the CONTRACTOR. On completion of mobilisation, the COMPANY shall issue notice/work order to the CONTRACTOR, specifying the date of commencement of the work at site.

3.0 DETAILS OF MOBILISATION

1. Mobilisation shall start from the date of issue of Letter of Award (LoA).
 2. Mobilisation shall be considered complete on submission/ placement of the following:
 - a) Submission of a general Safe Operating Procedure to the COMPANY.
 - b) Submission of credentials of the INSPECTION AGENCY to be engaged by the CONTRACTOR for work specified in relevant Clause.
 - c) Submission of List of manpower to be deployed along with Form-B. List of manpower must be as per the Manpower clause.
 - d) Submission of Labour Clearance and medical fitness certificate (Form-O), Insurance Documents as specified under relevant clause, Provident Fund UAN of workers/ or a declaration by the applicant that provisions of Provident Fund Act is not applicable to them (with documentary evidence).
 - e) Physical verification of the contractor's owned equipment as certified in Format F-1 (submitted with the bid document). This equipment shall be available at 'Duliajan' for physical verification by a company representative. In the event, contractor is unable to produce the equipment at 'Duliajan' for physical verification, mobilisation shall be deemed incomplete.
 3. Mobilisation Period: - Mobilisation shall be completed within 45 days from the date of issue of Letter of Award (LoA).
 4. The Contractor shall receive an intimation letter by the Company about completion of mobilization. Based on completion of mobilization, Company shall issue the Work Order.
- On compliance of the above, as mentioned in para 1 to 4, Mobilization shall be treated as complete.
- On compliance of the above, as mentioned in para 1 to 4, Mobilization shall be treated as complete.
- 3.1** Revised program of works can be submitted, while the works are still in progress, by THE CONTRACTOR and approved by the COMPANY representative/s if and when an unforeseen condition or a combination of such conditions so demand provided, however, the COMPANY'S REPRESENTATIVE/S is fully satisfied about the changed

circumstances necessitating a Revised Program. Such Revised Program shall then replace the earlier program without extension of time.

- 3.2 The COMPANY'S REPRESENTATIVE/S shall have power to call THE CONTRACTOR at any time while the works are still in progress for a further detailed program of works in respect of any particular phase of works, if in the opinion of the COMPANY'S REPRESENTATIVE/S such a phase is considered too complex requiring further break-up into sub-phases. In such an event, THE CONTRACTOR shall, if so, required by the COMPANY'S REPRESENTATIVE/S, furnish such information also to the COMPANY'S REPRESENTATIVE/S as to enable him to assess and approve the sub-phase program of the phase and approve the sub-phase program of the phase or phase previously considered. THE CONTRACTOR shall be bound by such sub-phase of the program as part of the overall program.

3.3 Insurance

- (a) Employees' compensation insurance as required by the laws of the country of origin of the employee.
- (b) General Public Liability Insurance or Comprehensive General Liability insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This insurance must cover all operations of Contractor required to fulfil the provisions under this contract.

4.0 COMMENCEMENT OF WORK

The CONTRACTOR shall commence the works after completion of mobilization or after an instruction in writing to this effect by the COMPANY or from the date specifically mentioned in the work order or notice. The CONTRACTOR shall proceed with the work in an efficient manner following the period of Contract.

During the execution of the works, THE CONTRACTOR must maintain a steady rate of progress to complete the works within the time provided in this contract.

5.0 SEQUENCE OF WORKS

The work shall commence at the point or points approved by The COMPANY and shall proceed in an orderly workman like manner to complete the work as specified by The COMPANY unless the COMPANY at any time during the progress of the works requires that works shall be done upon in part as specified by the COMPANY'S REPRESENTATIVE/S. No change in sequence of works shall be made without permission of the COMPANY.

6.0 SETTING OUT OF WORKS

The CONTRACTOR shall be responsible for the true and proper setting out of the works and for the correctness of the position, levels, dimensions, and alignment of all parts of the works and for the provision of all necessary instruments, equipment, appliances, and labour in connection therewith. If at any time during the progress of the works any error shall appear or arise in the position, levels, dimensions or alignment of any part of the works, The CONTRACTOR on being required so to do by the COMPANY'S REPRESENTATIVE/S shall at his own expense rectify such error to the satisfaction of the COMPANY'S REPRESENTATIVE/S.

7.0 EXECUTION OF WORKS

- 7.1** Before submitting tender & in case of any doubt, the CONTRACTOR should clarify the specifications of different items of the contract from the concerned department of the COMPANY. Afterwards, decision of the COMPANY regarding clarification of any item of the contract will be final and no compromise will be made in any respect.
- 7.2** It is conclusively assumed that THE CONTRACTOR has understood the work involvement completely before quoting for the job. The CONTRACTOR shall execute and complete the works in strict accordance with the specifications hereto and shall be entirely responsible for the execution of the works in all respect in accordance with the terms and conditions specified herein notwithstanding any approval which the COMPANY 'S REPRESENTATIVE/S may have given in respect of the method, materials or workmanship of any part or the whole of the works or of any tests carried out either by the CONTRACTOR or by the COMPANY. Subject to the foregoing THE CONTRACTOR shall be at liberty at his own risk, to employ his own method subject to the approval of the COMPANY 'S REPRESENTATIVE/S, for the execution of the works. If in the opinion of the COMPANY or the COMPANY'S REPRESENTATIVE/S duly authorized for the purpose hereof, the works or any item thereof is found to be not in accordance with the specifications and exhibits, THE CONTRACTOR shall remove the defect and re-execute the works or the item in accordance therewith at his own expense, whether such defect be discovered during the normal course of inspection hereafter or subsequently. Any delay caused in remedying any defective performance shall not absolve THE CONTRACTOR from adhering to the time schedule as provided in the contract hereof, and no extension in time shall be granted for such delay in any circumstances whatsoever.
- 7.3** THE CONTRACTOR shall give the COMPANY'S REPRESENTATIVE/S reasonable notice of the readiness of each part of the works for examination or test and if the examination or test is by an authority other than the COMPANY, the date fixed for the examination or test shall also be intimated. If the works requiring appropriate approval or testing are covered up without such approval having been given or such test (s) carried out, then the CONTRACTOR shall at his own expense uncover such works to the extent necessary for appropriate examination or test and shall at his own expense cover it on completion of such examination or test. The CONTRACTOR shall uncover any work or item of work for inspection if subsequently questioned.

8.0 DEFAULT IN TIMELY MOBILISATION

In case of failure of the CONTRACTOR to mobilize and commence work within the stipulated period the COMPANY reserves the right to cancel the Contract without any prior notice and without any compensation whatsoever.

9.0 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILIZATION/COMPLETION WORKS

- 9.1** In the event of the CONTRACTOR'S default in timely mobilization/completion of the work under the provisions of this Contract, the CONTRACTOR shall be liable to pay liquidated damages at the rate of 0.5% of the total Contract Price for each week (7 days) or a part thereof of delay till the works are completed, subject to a maximum of 7.5 % of the total Contract Price. The COMPANY may without prejudice to any other method of recovery, deduct the amount of such liquidated damages from any amount due to the CONTRACTOR.
- 9.2** Both the CONTRACTOR & the COMPANY agree that the above percentage of liquidated damage is genuine pre-estimates of loss/damage, which the COMPANY would have to suffer on account of delay/breach on the part of the CONTRACTOR and the said amount will be payable on demand without there being any proof of the actual loss/or

damage caused by such delay/breach. Decision of the COMPANY in the matter of applicability liquidated damage shall be final & binding on the CONTRACTOR.

10.0 WORKS TO THE SATISFACTION OF THE COMPANY

The CONTRACTOR shall execute the works entirely in strict accordance with the accepted practices, laid out standards and in accordance with the specifications as spelt out in these presents, to the complete satisfaction of the COMPANY'S REPRESENTATIVE/S and shall comply with and adhere strictly to the COMPANY'S REPRESENTATIVE/S instructions and directions on any matter relating to this contract.

11.0 WARRANTY AND REMEDY

THE CONTRACTOR shall be responsible for the care and maintenance of the works until the works are accepted in writing by THE COMPANY. Such acceptance to be made without unreasonable delay after THE COMPANY is satisfied, that the works have been completed in accordance with the specifications. THE CONTRACTOR shall give THE COMPANY prompt notice of completion. Failure or neglect on the part of the COMPANY'S REPRESENTATIVE/S to condemn or reject inferior work or materials shall not imply acceptance of such works or materials. It may further be noted that the giving of written acceptance of the works shall not be deemed a waiver by THE COMPANY of any claim in respect of latent or hidden defect in the materials or workmanship and THE CONTRACTOR agrees to repair, replace forthwith at his own expense any part of the works found within one year from such acceptance to be subject to such defects.

The warranty and defect liability period shall be a period of 12 (Twelve) months from completion date as per 'Completion Certificate'.

If, during the Defect Liability Period, any Defects are discovered in the Works or any part thereof; or the Works or any part thereof fails to meet the Guaranteed Performance Levels, COMPANY will notify the Contractor of such Defects or failure. Upon receipt of such notice, the Contractor shall promptly repair or replace such Work (including any necessary uncovering, covering and recovering) in accordance with the Contract, Good Industry Practices and Applicable Laws. Upon completion of any repair or replacement work, the Contractor shall, at its own expense, and with COMPANY's coordination and Approval, perform such tests as necessary to demonstrate that pursuant to cure of Defects under this Clause, the Works meet the Guaranteed Performance Levels.

If any part of the Works has been replaced, renewed or repaired during the Defect Liability Period, the Defect Liability Period in respect of such replaced, renewed or repaired part shall be for a further period of 12 (twelve) months from the date on which such replacement, renewal or repair has been completed to the satisfaction of the Engineer-in-Charge and so on. Such further extended period(s) shall be called "Extended Defect Liability Period". However, in any case, cumulative extensions in defect liability period shall not exceed 2 (two) years from completion.

12.0 MEASUREMENT OF WORKS

12.1 The quantities detailed any in this contract represent only the estimated quantities of works and they are not to be taken as the exact quantity of the works to be executed by THE CONTRACTOR in fulfilment of his obligations under this contract. The quantities of works to be considered for purpose of payment shall be those actually executed during the installation and commissioning of Permanent Cathodic Protection in Pipelines.

12.2 In respect of completed works accepted by the COMPANY'S REPRESENTATIVE/S either in part or in full at his discretion, the COMPANY'S REPRESENTATIVE/S shall in

consultation with THE CONTRACTOR call upon THE CONTRACTOR by a notice, written or verbal to be present at work site on specific date and at specific hour for the purpose of making measurements and recording the same. THE CONTRACTOR or its authorized representative shall be present at the site and shall furnish to the COMPANY'S REPRESENTATIVE/S all particulars required for a proper measurement. Should THE CONTRACTOR not attend or neglect or omit to send such authorized representative, then the measurement made by the COMPANY'S REPRESENTATIVE/S or approved by him will be the conclusive measurement of the works and THE CONTRACTOR shall accept such measurement.

12.3 In respect of works in progress, the measurement of works shall be on the basis of either a percentage of actual progress made in relation to the contract quantity of the works as assessed by the COMPANY'S REPRESENTATIVE/S wherein applicable or by measurements of detailed items as described in relevant clause above as deemed necessary and at the discretion of the COMPANY'S REPRESENTATIVE/S wherever applicable.

12.4 All measurements shall be duly recorded by the COMPANY'S REPRESENTATIVE/S and the CONTRACTOR shall agree to such measurement by signing the same. Measurement so recorded shall be treated as legally binding on both parties.

12.5 All materials / equipment to be supplied / used by THE CONTRACTOR in accordance with this contract may be measured / inspected by the COMPANY'S REPRESENTATIVE/s during the execution of work when this materials / equipment are used on the work in presence of THE CONTRACTOR or its authorized representative.

12.6 The COMPANY 'S REPRESENTATIVE/S shall be free to reject for purpose of measurement any materials / equipment supplied by the CONTRACTOR at sites if such materials are not up to the required specifications and differ from the previously approved samples.

12.7 Notwithstanding the fact that certain works and materials have been already measured and recorded by the COMPANY 'S REPRESENTATIVE/S, the CONTRACTOR shall remain fully responsible for all such works and materials till the final expiry of the defect liability period.

13.0 RIGHT OF INSPECTION

THE COMPANY shall have the right but not the obligation to inspect the works during its progress. THE CONTRATOR shall provide proper access for such inspection. THE COMPANY shall provide Inspectors for this purpose and shall arrange for all inspection and tests to be carried out promptly after notification.

14.0 DELAY IN WORK BY THE CONTRACTOR

If THE CONTRACTOR is responsible for a delay in progress of the works, THE CONTRACTOR shall, without additional cost to THE COMPANY work overtime and / or mobilize / utilize such additional equipment and personnel at any time to improve the progress of the work as may be necessary to eliminate delay in final completion of the works within the stipulated time of completion.

15.0 DRAWING TO BE SUPPLIED BY THE COMPANY (If Available)

15.1 The drawings made available to THE CONTRACTOR are for general guidance to THE CONTRACTOR to enable him to visualize the work contemplated under this contract. Detailed working drawings on the basis of which actual execution is to proceed will be furnished by THE COMPANY to THE CONTRACTOR from time to time during the

progress of the works. Copyright in the said drawing shall always remain in the COMPANY.

- 15.2 THE CONTRACTOR shall be bound to go through all the supplied drawings thoroughly and carefully in conjunction with all other connected drawings and bring to the notice of the COMPANY 'S REPRESENTATIVE/S discrepancies if any, therein before actually carrying out the works. Copies of all detailed working drawings relating to works shall be kept at THE CONTRACTOR'S office and shall be made available to the COMPANY 'S REPRESENTATIVE/S at any time during the contract. The drawing shall be returned to THE COMPANY on completion of the works.

16.0 MATERIALS, LABOUR, TOOLS AND EQUIPMENT TO BE PROVIDED BY THE CONTRACTOR

- 16.1 THE CONTRACTOR shall provide all materials, consumables, labour, tools, supervision and equipment necessary to complete the works within the time schedule and in accordance with the specifications. All material furnished by THE CONTRACTOR unless otherwise specified shall be of a suitable grade and type and where such materials are to form part of the permanent works shall also be new. No substitution of any materials shall be made without written approval of THE COMPANY and any materials which do not conform to the specifications or is otherwise rejected, shall be removed immediately from the site and replaced with materials satisfactory to THE COMPANY. In all cases where an article is specified with the words #Approved Equal#, THE COMPANY shall be the sole judge as to whether the substitution specified is equal to the materials specified and its decision shall be final. Any equipment furnished by THE CONTRACTOR shall be suitable for the purpose for which it is to be used and shall be in good condition.
- 16.2 All materials procured should meet the specifications given in the tender document. The Engineer-in-Charge may, at his discretion, ask for samples and test certificates for any batch of any materials procured. Before procuring, the CONTRACTOR should get the approval of Engineer-in-Charge / Site-in-Charge for any materials to be used for the works.
- 16.3 Supplier certificate/invoice shall be submitted for all materials supplied by the CONTRACTOR. If, however, in the opinion of the Engineer-in-Charge / Site-in-Charge any tests are required to be conducted on the material supplied by the CONTRACTOR, these will be arranged by the CONTRACTOR promptly at his own cost.
- 16.4 THE COMPANY shall have a first lien on all plant and machinery brought or caused to be brought by THE CONTRACTOR for all payments by THE CONTRACTOR to THE COMPANY under this contract with our prejudice to the right of recovery in any other manner as provided in this contract or otherwise.
- 16.5 Electricity, water, accommodation etc. for CONTRACTORs men will not be provided by the COMPANY. These are to be arranged by the CONTRACTOR itself. Further, electrical power required for construction works shall also be arranged by the CONTRACTOR.
- 16.6 No transport for transfer of CONTRACTORs men & material will be provided by the COMPANY.

17.0 THE CONTRACTOR'S EMPLOYEES

- 17.1 THE CONTRACTOR shall perform the works in a workman-like manner with qualified, competent, careful and efficient workmen in strict conformity with the provisions in this contract. The COMPANY'S REPRESENTATIVE/S will have the right

to remove from the works any employee of THE CONTRACTOR who, in the opinion of the COMPANY 'S REPRESENTATIVE/S, may be incompetent, careless or not qualified to perform the works assigned to him.

- 17.2** Before starting the job, the CONTRACTOR shall have to submit the list of competent skilled persons with valid certificate (wherever necessary) who will carry out the job. If the COMPANY desires, the competent persons of the CONTRACTOR shall have to pass necessary tests conducted by the COMPANY.

18.0 SERVICES / EQUIPMENT PROVIDED BY THE COMPANY

If by reason of any event occurring to, in or in connection with the works, either during execution of the work or during defect liability period, any remedial or other works, which in the opinion of the COMPANY 'S REPRESENTATIVE/S be necessary and the CONTRACTOR is unable or unwilling to do such works / provide services or equipment as the case may be, than the COMPANY may, by its own or other, do such works / provide services or equipment as the COMPANY 'S REPRESENTATIVE/S may consider necessary. If in the opinion of the COMPANY 'S REPRESENTATIVE/S the CONTRACTOR is liable to do so at his own expenses under this contract, all costs and charges including overheads incurred by the COMPANY in doing so shall be paid by the CONTRACTOR to the COMPANY or may be deducted by the COMPANY from any money due or which may become due to the CONTRACTOR. The costs incurred by the COMPANY shall be assessed independently by the COMPANY as per the COMPANY'S standard and prevalent practices and no dispute on this account shall be entertained in any circumstances whatsoever.

19.0 DEPLOYMENT OF EQUIPMENT

- 19.1** During mobilization of the Contract, physical verification of the contractor's owned equipment as certified in Format F-1 (submitted with the bid document) shall be carried out. This equipment shall be available at 'Duliajan' for physical verification by a company representative. In the event, contractor is unable to produce the equipment at 'Duliajan' for physical verification, mobilisation shall be deemed incomplete.

- 19.2** During the execution of this Contract, if a situation arises where necessary changes have to be made in the equipment engaged by the contractor as per Format F-1, then the list of replacement equipment (owned by the contractor) duly certified by a Chartered Accountant/Statutory Auditor as per Format F-1 must be submitted to HOD-OGPL&P before engaging the same at site.

- 19.3** The certificate provided by Chartered Accountant/Statutory Auditor as per Format F-1 shall be considered as final document to establish the ownership of these equipment by the Contractor. No further document verification regarding ownership of these equipment possessed by Contractor shall be carried out by OIL.

20.0 MANPOWER

The below proposed list of manpower is the minimum to be deployed by Contractor. The List of manpower to be deployed must be submitted along with Form-B during mobilization.

Sl. No.	Description	Minimum Requirement
1.	Cathodic Protection Engineer	1 no.
2.	Technician	3 nos.
3.	Supervisor	3 nos.
4.	Site Incharge	3 nos.
5.	Electrical Technician	2 no.

Contractor shall be in a position to deploy the above manpower at any point of time during the Contract period. However, the actual manpower deployed at the worksite will be as per job involvement. At any point during the Contract, more than one (1) job may be allotted to the Contractor based on the requirements of the Company. No idle charges will be applicable if any or all of the above Manpower are not in use at any point during the Contract.

Experience Criteria for Personnel

The documentary evidence of the following personnel to be deployed must be furnished during Mobilization of the Contract.

SL NO	DESCRIPTION	QUALIFICATION CRITERIA	EXPERIENCE	MINIMUM NUMBER OF PERSONNEL
1	Cathodic Protection Engineer	Degree in any Engineering discipline and shall possess NACE Level 2 or higher certification	Minimum 3 to 5 years' experience in executing Cathodic Protection Projects with at least 2 years' experience in hydrocarbon industry.	1
2	Technician	Diploma holder in any discipline	Minimum 2 years' experience in executing Cathodic Protection Projects with at least 1 year experience in hydrocarbon industry.	3
3	Supervisor	Degree/diploma/science graduate from any recognized university/Board	Minimum 1 year experience in Project Work	3
4	Site In charge	Degree/diploma/science graduate from any recognized university/Board	Minimum 1 year experience in Project Work.	3
5	Electrical Technician	Diploma holder in Electrical discipline and must possess valid electrical work permit/supervisory license issued by State Electricity Licensing Board.	Minimum 1 year experience in Electrical domain.	2

21.0 REPORTING PROGRESS OF WORK

The CONTRACTOR shall furnish to the COMPANY Daily Progress Reports (DPR) along with applicable drawings indicating all details of the construction. Further, the CONTRACTOR shall submit to the COMPANY the 'As Built Drawing' of the Cathodic Protection System implemented in pipelines after completion of the job.

22.0 SAFETY OF EXISTING LINES, CABLES ETC.

The CONTRACTOR shall ensure the safety of the pipelines/cables etc. already laid on the Pipeline Route and at no instance; the existing pipelines shall be disturbed,

stressed or damaged in any way during the construction activities. In the event of any damage to any existing pipeline during construction activity under this contract, the CONTRACTOR shall repair or replace the pipeline/cable forthwith at its own expense and pay any consequential damages arising there from.

23.0 CONSTRUCTIONAL DRAWINGS / EXHIBITS

In general, constructional drawings / exhibits shall be used for the work unless otherwise specified or directed by the Company (wherever available).

24.0 SURPLUS PERMANENT MATERIALS

All surplus permanent materials shall be collected and transported by the CONTRACTOR to THE COMPANY 'S depots / yards as directed by the COMPANY 'S REPRESENTATIVE/S under 'Material Custody Transfer Note'.

25.0 PROTECTION OF PROPERTY AND EXISTING FACILITIES

25.1 The CONTRACTOR shall perform each work in such a manner as will prevent damage to the COMPANY'S property and conform to and be consistent with, operational practices of hydrocarbon industries. Any permanent damage / loss to the COMPANY 'S pipeline, assets and plants due to actions undertaken by the CONTRACTOR in order to provide the services envisaged under this Contract shall have to be remedied by the CONTRACTOR, entirely at their own cost. This cost shall include and not be limited to actual replacement of such damaged pipeline, assets or plants, or payment of actual replacement cost in relation thereto as may be incurred by the COMPANY.

25.2 The CONTRACTOR shall take sufficient care in moving his plants, equipment's and materials from one place to another so that they do not cause any damage to any person or to the property of COMPANY or any third party including overhead and underground cables and in the event of any damage resulting to the property of COMPANY or of a third party during the movement of the aforesaid plant, equipment or materials the cost of such damages including eventual loss of production, operation or services in any plant or establishment as estimated by COMPANY or ascertained or demanded by the third party shall be borne by the CONTRACTOR.

26.0 PERFORMANCE OF WORK

The CONTRACTOR shall submit daily reports to the COMPANY'S REPRESENTATIVE/ EIC (Engineer in Charge) detailing progress of different operations as per the scope of the work. The COMPANY, at its option may change the periodicity of such reports. In addition, the CONTRACTOR shall submit the complete job report (with all pertinent details to serve permanent record) after completion of each individual job. The manner and the speed of execution and maintenance of the operations are to be conducted in a manner to the satisfaction of the COMPANY 'S REPRESENTATIVE. Should the rate of progress of the operations or any part of them is at any time too slow in the opinion of the COMPANY 'S REPRESENTATIVE, (to ensure completion of the operations within schedule) the COMPANY 'S REPRESENTATIVE may so notify the CONTRACTOR in writing. The CONTRACTOR shall reply to the written notice giving details of the measures, which The CONTRACTOR proposes to take to expedite the operations. If no satisfactory reply to the COMPANY 'S notice is received in seven days, the COMPANY shall be free to take necessary actions as deem to be fit.

27.0 PERMITS AND CERTIFICATES

The CONTRACTOR shall procure, at his expense, all necessary permits, certificates and licenses required by virtue of all applicable laws, regulations, ordinances and other rules in effect at the place where any of the works is to be performed, and CONTRACTOR

further agrees to hold COMPANY harmless from liability or penalty which might be imposed by reason of any asserted or established violation of such laws, regulations, ordinances or other rules. The COMPANY will provide necessary permits for CONTRACTOR'S personnel to undertake any work in India in connection with Contract.

28.0 COMPLETION OF CERTIFICATES

As soon as the works is completed and the CONTRACTOR fulfils his obligation envisaged under the contract, he shall be eligible to apply for 'Completion Certificate'. The COMPANY shall issue to the CONTRACTOR the Completion Certificate within one month after receiving an application from CONTRACTOR after verifying the works are completed in accordance with the Contract Document. The issue of Completion Certificate shall not operate as an admission that the works have been accepted in every respect.

29.0 CONTRACTOR TO INDEMNIFY THE COMPANY

The CONTRACTOR shall indemnify the COMPANY and every member, officer and employee of the COMPANY, also the COMPANY'S REPRESENTATIVE/Engineer-in-Charge / Site-in-Charge and his staff against the actions, proceedings, claims, demands, costs, expenses, whatsoever arising out of or in connection with the works and all actions, proceedings, claims, demands, costs, expenses which may be made against the COMPANY for or in respect of or arising out of any failure by the CONTRACTOR in the performance of his obligations under the contract. The CONTRACTOR shall be liable for or in respect of or in consequence of any accident or injury to any workmen or other person in the employment of the CONTRACTOR or his sub-contractor and the CONTRACTOR shall indemnify and keep indemnified the COMPANY (OIL) against all such damages, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

30.0 CONTRACT PRICE AND PAYMENT

30.1 CONTRACT PRICE:

- (i) The total price quoted by the successful bidder in his bid with additions and deletions as may have been agreed before issue of Letter of Award, for the entire WORKS covered and in accordance with all terms, conditions, stipulations, specifications, requirements and other contents of contract as accepted by the COMPANY and incorporated into the contract as accepted by the COMPANY, shall be treated as the contract price. Wherever it is mentioned in the specifications that the CONTRACTOR shall perform certain works or provide certain facilities, it is understood that the CONTRACTOR shall do so at his cost and the Contract Price shall be deemed to have included cost of such performances and provisions, so mentioned.
- (ii) The Contract price shall remain firm and fixed till the issue of completion certificate and shall not be subjected to escalation on any account whatsoever and shall be deemed to include and cover all costs, expenses and liabilities of every description and all risks of every kind to be taken in executing, completing and handing over works to the COMPANY by the CONTRACTOR. The Contract Price shall hence always be deemed to include any likely future increase in statutory duties and levies on material supplied or any likely future increase in rates of compensation payable to labour whether statutory or otherwise. No claim shall be entertained on the aforesaid account for any reason whatsoever, except to the extent expressly agreed by the COMPANY under this agreement.
- (iii) The Contract Price shall be deemed inter alia to include and cover the cost of all temporary works, materials, labour, insurance, etc. to be supplied by

CONTRACTOR as per contract and the execution of works or any portion thereof finished, complete in every respect and maintained as shown or described in the Contract Document or as may be ordered in writing during the continuance of contract.

- (iv) The Contract Price shall include and cover the cost of royalties and fees for all equipment, protected by letters, patent or otherwise incorporated in or used in connection with works, also all royalties, rents and other payments in connection with obtaining materials of whatsoever kind for works. The CONTRACTOR shall indemnify the COMPANY against all actions, proceedings, claims, damages, cost and expenses arising from the incorporation in or use on WORKS of any such equipment, articles, processes or materials.
- (v) The Schedule of Rates, Units and Quantities (Part-II SOQ) shall be read in conjunction with Special Conditions of Contract, General Conditions of Contract, Terms of Reference, Drawings and any other Document wherever available forming part of the contract.

All the works, item wise, shall be measured upon completion and paid for at the contracted rates. In case any activity though specifically not covered in Schedule of Rates description but the same is covered under Scope of work/ specification/Drawings etc., no extra claim on this account shall be entertained, since SOR is to be read in conjunction with SCC, GCC, Terms of Reference, drawings & any other documents forming part of the contract.

30.2 PAYMENT: All payment shall be made as per Payment Schedule defined in PART-II SOQ of the contract. The payment shall be made after completion of all activities in a set under the Payment Schedule.

31.0 SUB-CONTRACTING

The contractor will not be able to sub-contract services of the contract.

32.0 INTERPRETATION OF CONTRACT DOCUMENT

All documents forming part of the Contract are to be taken mutually explanatory. Should there be any discrepancy, inconsistency, error or omission in the contract, the decision of the COMPANY or its REPRESENTATIVE/S shall be the final and the CONTRACTOR shall abide by the decision. Works shown upon the drawings but not mentioned in the specification or described in the specifications without being shown on the drawings shall nevertheless be deemed to be included in the same manner as if they are shown in the drawings and described in the specifications.

33.0 EXECUTION OF WORK ON TIMELY COMPLETION

33.1 All the works shall be executed in strict conformity with the provisions of the contract documents and with such explanatory details, drawings, specifications and instructions as may be furnished from time to time to the CONTRACTOR by the COMPANY'S REPRESENTATIVE/Engineer-in-Charge / Site-in-Charge, whether mentioned in the Contract or not. The CONTRACTOR shall be responsible for ensuring that works throughout are executed in the most proper and workmen like manner with the quality of material and workmanship in strict accordance with the specifications and to the entire satisfaction of the COMPANY'S REPRESENTATIVE/Engineering- Charge / Site-in-Charge.

33.2 The completion of work may entail working in monsoon also. The CONTRACTOR must maintain the necessary work force as may be required during monsoon and plan to execute the job in such a way the entire project is completed within the contracted time schedule. No extra charges shall be payable for such work during monsoon. It shall be the responsibility of the CONTRACTOR to keep the construction work site free from water during and off the monsoon period at his own cost and expenses.

33.3 For working on Sunday / Holidays, the CONTRACTOR shall obtain the necessary permission from Engineer In-charge / Site In-charge in advance. The CONTRACTOR shall be permitted to work beyond the normal hours with prior approval of COMPANY 'S REPRESENTATIVE/Engineer-in-Charge / Site-in-Charge and the CONTRACTOR'S quoted rate shall be inclusive of all such extended hours of working and no extra amount shall be payable by the COMPANY (OIL) on this account.

34.0 EXTENSION OF TIME

If the CONTRACTOR does not complete the work within the contractual period he may apply in writing to the COMPANY before two months of the period of expiry of the contract stating therein in detail, the reasons on which extension is requested and the period of extension the CONTRACTOR so desires. The COMPANY on its part shall consider the request of the CONTRACTOR for such extension of time and shall take a decision after discussion with the CONTRACTOR and communicate the same to the CONTRACTOR before 30 days of expiry of the contract. The decision of the COMPANY in this regard shall be final and binding.

35.0 SUSPENSION OF WORKS

Subject to the provision of this contact, the CONTRACTOR shall, if ordered in writing by COMPANY 'S REPRESENTATIVE/S, for reasons recorded, suspend the works or any part thereof for such period and such time so ordered and shall not proceed with the work, after receiving such order to suspend the work, until he receives a written order from the COMPANY to re-start the work. The CONTRACTOR shall be entitled to claim extension of time for that period of time the work was ordered to be suspended. Neither the COMPANY nor the CONTRACTOR shall be entitled to claim compensation or damages on account of such an extension of time.

36.0 DAMAGE TO PROPERTY

36.1 The CONTRACTOR shall be responsible for making good to the satisfaction of the COMPANY any loss or and any damage to structures and properties belonging to the COMPANY or being executed or procured by the COMPANY or of other agencies within the premises of the work of the COMPANY, if such loss or damage is due to fault and / or the negligence or wilful acts or omission of the CONTRACTOR, his employees, agents, representatives or sub-contractor.

36.2 The CONTRACTOR shall indemnify and keep the COMPANY harmless of all claims for damage to the COMPANY's property arising under or by reason of this contract.

37.0 DELIVERABLES/ REPORTS

The contractor shall submit following periodical reports:

1. Daily Progress Report
2. Equipment Inspection Report
3. As-Built Drawings

38.0 LABOUR LICENSE

Contractor shall obtain and manage Labour License as per statutory requirement for the entire period of contract and maintain all necessary facilities, documents, registers, returns etc. as per statutory requirement. All costs related to above requirements shall be in contractor's account. Any penalty imposed to OIL by statutory authority due to contractor's negligence shall be deducted from contractor.

39.0 TERMS OF REFERENCE

- (i) Making trench (manual) of required size for exposing the pipeline including arrangement for trench protection against collapse and dewatering shall be the responsibility of the contractor.
- (ii) Arranging protection and security round the clock of the exposed section of the pipeline during the execution of the contract shall be the responsibility of the contractor.
- (iii) Insulation of the exposed pipeline as per standard, holiday testing and inspection of the coating shall be carried out by the contractor.
- (iv) All other works, which are not specifically indicated above, but required for successful completion of works as per the tender documents shall be carried out by the contractor.
- (v) Restoration of site and final clean-up including de-mobilization shall be the responsibility of the contractor.
- (vi) Pipeline locator shall be used by the contractor wherever necessary.
- (vii) User shall assist in obtaining necessary work permits from the concerned Installation Managers for execution of the work.
- (viii) Providing power supply source shall be under the scope of OIL.
- (ix) Prior to quoting prices, the bidder shall be deemed to have visited the site and satisfied himself regarding the details furnished by the user in the tender document and the feasibility of the work to be carried out.
- (x) The Contractor shall obtain all necessary and statutory permissions from the appropriate authorities for execution of the work.
- (xi) Contractor shall be solely responsible for settling all compensation and disputes arising out of crop, property, any other damage caused thus, or his team during positioning the equipment and other associated works.
- (xii) Disposal of wastes etc. shall be exclusive responsibility of the Contractor and any permits, permission or clearances required in this regard shall be obtained by the contractor.
- (xiii) Time of completion shall be 2 years from the date of issue of LOA including mobilization period of 45 days.
- (xiv) Contractor shall deploy a competent person(s) at the site all throughout during performance of the work. Any instruction given by the user to the competent person shall be construed as given to the contractor.

- (xv) The contractor shall carry out various tests, as enumerated in the specifications of these technical documents.
- (xvi) The contract price shall deem to be 'firm and valid' for the entire duration of the contract, till the completion of work and shall not be subject to any variation due to increase in price of materials, utilities, taxes, duties etc.
- (xvii) The documentation and technical data requirement shall be as per the specifications given in the document. (Section-Technical specification for Permanent Cathodic Protection)
- (xviii) The procurement, hiring and supply, in sequence and at the appropriate time, of all materials and consumables required for completion of the WORK as defined in this document shall be entirely the Contractor's responsibility.
- (xix) Required measurements for As-built drawing shall be executed by the Contractor. GPS co-ordinates shall be collected and mapped for all required locations (Cathodic Protection Transformer Rectifier Unit, Test Lead posts, Anode Ground Bed).
- (xx) The concerned contractor shall provide all Necessary test certificates from Original Equipment Manufacture for equipment/material used in Cathodic Protection system of mentioned pipelines, if any asked by OIL other than mentioned in the document.
- (xxi) Contractor shall raise bills as per Schedule of Rate and Payment Schedule defined in Part-II SOQ of the contract. Only supply of materials shall not be considered for payment. The payment shall be made after successful completion of all activities in a set under Payment Schedule. The contractor shall submit invoices for the completed work per set in GST Invoice format.

Following documents are to be mandatorily submitted along with every invoice:

- 1) DGMS quarterly return
- 2) Letter of undertaking (for Royalty and minimum wages) duly signed by Authorized signatory of Contractor.
- 3) Employee PF & ESI statements.

- (xxii) Scope of Permanent cathodic Protection System

The scope includes design and detailed Engineering, Inspection of equipment/materials, supply, packing, transportation to site, installation, testing and commissioning of the permanent Cathodic protection system by impressed current method using MMO coated Titanium anodes to protect the external surface of 3LPE Coated pipeline against corrosion. Here, the basic design has been given by the user. The contractor is required to carry out the design and detailed engineering of the cathodic protection system as mentioned below.

Scope of work (Design and Detailed Engineering)

- a) Soil resistivity measurement for anode ground beds, design of anode ground beds.
- b) Preferred location for anode bed installation.

- c) General CP system connection scheme for Section-A, Section-B and Section- C
- d) Cable laying details with drawings
- e) Construction and Installation details of Anode junction Box (drawings)
- f) Construction and Installation details of Cathode junction Box (drawings)
- g) Anode bed Installation drawings
- h) Installation details for Permanent Reference cell (drawings)
- i) General arrangement for automatic Cathodic Protection Rectifier
- j) Circuit diagram for Automatic Cathodic Protection Rectifier.
- k) General arrangement for CTSU (Computerised Test Station Unit) data logger.
- l) Cable to pipe connection installation drawing
- m) Anode bed fencing details (drawings)
- n) Foundation details of Transformer Rectifier Unit.
- o) Construction and Installation details of Test Lead Post (drawings)
- p) Construction and Installation details of Bond Box (with shunt and resistors)
- q) Connection schemes of all Test stations.

40.0 PENALTY:

SL NO.	NATURE OF DISCREPANCIES IN SERVICES	RATE OF PENALTY
1	Non deployment /short deployment of equipment(s)	Rs 700.00/- per equipment per instance.
2	Insurance expiry	If, Workmen Compensation and Employer's Liability Insurance and Public Liability Act Policy expire or/are cancelled during the term of the contract and contractor fails for any reason to renew such policies, a penal interest of 1% of the total contract value shall be charged towards not fulfilling of the contractual obligations.
3	Inadequate manpower deployment not in conformity with Contract requirement.	If the absence days of a person(s) (as per record available in Form-B) exceed 7 days during a month, a deduction will be made from the Contractor as per the rate of prevalent minimum wages or salary of the person(s) for the exceeded days.

(B) TECHNICAL SPECIFICATIONS FOR PERMANENT CATHODIC PROTECTION SYSTEM**(I) Introduction**

The intent of the specification is to cover the following activities for Permanent Cathodic Protection System for pipelines-

Section A: 6 no. of pipelines from Central Gas Gathering Station-Madhuban/Secondary Tank farm to Industrial area-Duliajan.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 km)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 km)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 km)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 km)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 km)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 km)

Section B: Crude Oil Despatch pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 km).
- (ii) 8" COD line from location MFK to MORAN OCS (23 km).

Section C: Crude Oil Despatch pipeline and Natural gas pipeline from Kumchai-Arunachal Pradesh to Kusijan-Assam.

- (i) 8" COD pipeline from location Kumchai EPS-Arunachal Pradesh to location Kusijan Assam (61 km)
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS-Arunachal Pradesh to location Kusijan-Assam (61 km).

(a) Design, Detailed Engineering, Supply, Installation, Testing and Commissioning of PCP system (Impressed Current Cathodic Protection) of the mentioned pipelines.

(b) Soil Resistivity Survey.

(c) Close interval potential logging survey, investigations for interference problems.

(d) Execution of all associated civil works, erection, inspection, testing and commissioning, performance testing at site.

This specification provides the basic parameters to develop a suitable Permanent Impressed Current Cathodic Protection system for the mentioned pipelines. The work shall be performed in conformity with this specification, standard specifications and installation standards and code of practices of the Bureau of Indian Standards mentioned in this tender. In addition, the work shall also conform to the requirements of-

- (a) The Indian Electricity Act and the rules framed there under.
- (b) The regulations laid down by the Chief Electrical Inspector of the state government/ Central Electricity Authority (CEA).
- (c) The regulations laid down by the Factory Inspector.
- (d) The regulations laid down by the Chief Controller of Explosives.
- (e) Any other regulations laid down by the Central, State or Local Authorities from time to time during the execution of this contract.
- (f) OISD Standards
- (g) OIL's Safety Standard

(II) Special Instructions to Bidders

- (a) Wherever a material or article is specified or described by the name of a particular brand, manufacturer or trademark, the same shall be understood as establishing the type, function and quality desired. Other manufacturers' products may also be considered provided sufficient information is furnished so as to enable OIL to determine that the products are equivalent to those named.
- (b) The Bidder is advised to visit the site in order to acquaint himself with all the necessary information such as soil conditions, transportation facilities, data of similar pipelines and underground cables & cable trench/corridor in the adjacent. pipe corridor, transmission line/railway line interferences, etc. for proper design and execution of the work. Ignorance of the site conditions will not be accepted as a basis of claim for any compensation whatsoever.
- (c) The Cathodic Protection system also includes certain works related to pipelines such as works in Insulating Joints. The contractor needs to ensure the working of Insulating Joint before commissioning of the Cathodic Protection System.
- (d) It shall be the responsibility of the bidder to make necessary approaches wherever required along the pipe routed to execution of work. The bidder shall also take necessary care and precautions so as not to disturb the fields or property located near pipeline corridor during the execution of the work.

Acronym	
ICCP	IMPRESSED CURRENT CATHODIC PROTECTION
PCP	PERMANENT CATHODIC PROTECTION
PSP	PIPE TO SOIL POTENTIAL
CPTRU	CATHODIC PROTECTION TRANSFORMER RECTIFIER UNIT
TRU	TRANSFORMER RECTIFIER UNIT
CTSU	COMPUTERISED TEST STATION UNIT
TLP/ TS	TEST LEAD POSTS / TEST STATIONS
QAP	QUALITY ASSURANCE PLAN
AJB	ANODE JUNCTION BOX
CJB	CATHODE JUNCTION BOX

(III) Description of Cathodic Protection System

- (a) In Impressed current system, the protective current required shall be supplied by transformer rectifier (T/R) units connected to the electrical main supply and fed into the pipeline by buried impressed current anodes.
- (b) The transformer rectifier units shall be the source of power for the ICCP system. The output of T/R unit shall be automatically varied to achieve the setting of pipeline to soil potential.
- (c) Suitable measures as per international practice will be taken to mitigate any interference current and cross currents from any source. Special protection shall be provided at cased-crossing (Road-crossing/ Rail crossing).
- (d) Each CP system (station) shall essentially consist of three main components:
 - (i) Transformer/ Rectifier stations supplying the protective current.
 - (ii) Impressed current anodes packed with backfill.
 - (iii) Cables between rectifier, pipeline and impressed current anodes.

- (e) The type of anode and anode bed for the ICCP System shall be in conformance with codes and standards mentioned in the document.
- (f) Test stations shall be provided for the ICCP system at specified intervals mentioned for system monitoring and testing.
- (g) Remote Monitoring Unit shall be installed, tested and commissioned at specified intervals and as per project specification mentioned in the document.

(IV) Scope

Permanent Cathodic Protection System

- (a) Design, Supply, Installation, Testing and Commissioning of the permanent Cathodic protection system by impressed current method using MMO anodes to protect the external surface of 3LPE Coated pipeline against corrosion for a service life of 25 years, as per mentioned specification of PCP. The scope also includes packing and transportation of materials to site. The detailed length of the pipelines are as given below:

Section A: 6 no. of pipelines from Central Gas Gathering Station-Madhuban/Secondary Tank farm to Industrial area-Duliajan.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 km)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 km)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 km)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 km)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 km)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 km)

Section B: Crude Oil Despatch pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 km).
- (ii) 8" COD line from location MFK to MORAN OCS (23 km).

Section C: Crude Oil Despatch pipeline and Natural gas pipeline from Kumchai-Arunachal Pradesh to Kusijan-Assam.

- (i) 8" COD pipeline from location Kumchai EPS-Arunachal Pradesh to location Kusijan -Assam (61 km)
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS-Arunachal Pradesh to location Kusijan-Assam (61 km).

- (b) Preferred Anode Bed Installation shall be as below-

Section A- CGGS/STF and NKF/Industrial Area

Section B-Moran OCS/Moran Tank Farm and MFJ WHS/MFK

Section C- Kusijan-Assam/Pengeri border and Bordumsa Terminal/Nearby Bordumsa Terminal and Kumchai Installation/ Nearby Kumchai Installation

The anode ground bed shall be truly remote with respect to the Cathodic protected pipeline & other nearby foreign structure/pipeline. For calculating, the remoteness of the ground bed from cathodically protected pipeline and nearby foreign structure/pipeline location NACE latest recommendation shall be utilized &

remoteness from both cathodically protected pipeline & nearby foreign structure/pipeline shall be calculated.

- (c) The contractor shall prepare and submit detailed document as per the results of surveys, soil resistivity, specification & data sheet for procurement of Cathodic Protection System equipment/materials. All drawings/documents shall be submitted to the Engineer-in charge for review & approval.
- (d) Land required for installation of Deep well anode ground bed, AJB and other equipment shall be within the scope of OIL.
- (e) Carrying out detailed engineering of Deep well anode beds for construction at selected locations as per national/ international standard & specification. Anode Ground Bed resistance should be maintained less than 1 ohm.
- (f) In-case of deep-well anode bed, detailed engineering, supply, installation, testing & commissioning of individual anodes of ratings as specified in the document. The bore hole shall be filled by coke breeze in slurry form. The minimum depth of anode bed shall be as per the remoteness calculation and survey data (in general not less than 50m).
- (g) Supply, Installation, Testing & commissioning of Computerized Test Stations (CTSU) for automatically monitoring and recording the pipe to soil potential and other parameters of the pipeline. Locations of CTSU shall be decided during detailed engineering.
- (h) Supply, installation, testing & commissioning of polarisation coupons for the pipeline at marshy areas and at vulnerable locations to monitor the external corrosion activity on the pipeline. The quantity for the same has been mentioned in the document.
- (i) Supply, laying, termination, Glanding and ferruling of all the cables of CP system, including all incoming power cable and outgoing CP cables of Cathodic Protection Transformer Rectifier Unit.
- (j) Supply including, inspection, packing, forwarding, delivery erection/installation, civil/ structural support, earthing, testing & commissioning AC operated automatic Cathodic protection transformer rectifier unit at each Cathodic Protection station confirming to specification mentioned in the document.
- (k) Bonding in between pipelines running parallel or crossing as required including taking permission from the user of the foreign pipeline (if required).
- (l) Earthing of above ground cathodically unprotected pipeline, the earth electrode shall be 65 mm dia, 4.5 mm thickness & 3000mm long.
- (m) The distance between the anode bed & Pipeline shall be as per the remoteness calculation between pipeline & anode bed, successful CP contractor will submit the remoteness calculation of the anode bed based on actual site data.
- (n) Other Miscellaneous Works
 - i) The job includes all civil works including supply of bricks, cements, etc. connected with grouting of equipment to be installed. The job includes repairing of all civil works damaged during installation of electrical and other facilities.

- ii) Preparation of buried cable trenches including excavation, back filling, compacting, providing of brick protection.
- iii) The scope of work under this contract shall be inclusive of breaking of walls and floors, and chipping of concrete foundations necessary for the installation of equipment.
- iv) The following shall be earthed: All non-current carrying metallic parts of electrical equipment such as lighting and power panels, push button stations, cable trays.
- v) Contractor to note that the exact cable routing shall be decided at site based on actual site conditions. Exact cable quantities/sizes shall be based on actual measured route lengths at site by Contractor in coordination with Engineer-in-Charge/Client.
- vi) Before performing any welding job (Thermit weld/pin brazing) in the mentioned pipelines, proper calibrated explosivemeter shall be used in the workplace. The thickness of the pipe shall be ensured before performing welding job.
- vii) Obtaining clearance for energising the complete electrical facilities covered under this tender and approval of installation/drawings from Govt. authority if required.
- viii) Test certificates, catalogues, vendor drawings, installation, operation and maintenance manuals for all equipment/materials in contractor's scope of supply.
- ix) All civil work related to the CP work is in scope of the CP contractor.
- x) Co-ordination with other Contractors/Pipeline contractor.
- xi) Correction and submission of As- built drawings.

(V) (a) THIRD PARTY INSPECTION AGENCY

Contractor shall appoint anyone of the following Third-Party Inspection Agency for inspection of equipment and materials to be used in this project (as per the contract document). The third-party inspection of equipment /items/materials will be carried out by any of the Third-Party Inspection agencies indicated below:

- a. M/s Lloyds
- b. M/s Bureau Veritas
- c. M/s RITES
- d. M/s I.R.S
- e. M/s DNV-GL

Apart from inspection by Third Party Inspection Agency, inspection may also be performed by OIL's personnel. The cost for third party inspection shall be under the scope of the contractor.

(b) QUALITY ASSURANCE, INSPECTION AND TESTING

- i) All the equipment supplied by the contractor shall be inspected by their approved inspection agency (Third Party Inspection) at the manufacturer's works prior to

despatch. The equipment will be inspected as per the tests pre-identified in the approved Quality Assurance Plan (QAP) to ensure conformity of the same with relevant approved drawings, data sheets, specifications, National/International standards. OIL approved Third-Party Inspection Agency shall be arranged by the Cathodic Protection contractor for the testing of the materials/equipment at the vendor works.

- ii) Performance tests of any equipment which cannot be conducted/demonstrated either partially or wholly at the manufacturer's work, shall be conducted after erection at site in the presence of their inspection agency. In all the cases, prior approval of the same shall be obtained.
- iii) In case of waiver category of items, the same shall be pre-identified. For such items, the contractor shall furnish necessary certificates, test reports etc. for Review/Approval to user/Inspection agency. The issue of Inspection Certificate/Waiver Certificate for any equipment or component thereof does not absolve the contractor from his contractual obligations towards subsequent satisfactory performance of the equipment at site. Should any equipment be found defective, in whole or part thereof after receipt at site or during erection/commissioning and testing shall be rectified/changed by contractor free of cost.
- iv) Contractor shall submit test plan for the equipment.
- v) The following equipment/items shall be tested and inspected by Third Party Inspection at manufacturer's works before dispatch.

(c) TESTING AND COMMISSIONING

- i) The contractor shall provide detailed installation, site testing & commissioning procedure with time schedules for Review/Approval to user.
- ii) The contractor shall provide adequate supervisory/ skilled personnel and all tools and tackles, testing equipment and instruments required for complete checking of installations and testing and commissioning of all equipment and accessories.
- iii) All the tests shall be conducted in the presence of user/Engineering-charge or his authorized representative unless he waives this requirement in writing.
- iv) The testing and commissioning of all equipment is under the scope of the contractor & shall be carried out in accordance with the latest edition of relevant Indian Standards, International Standard NACE standards and IE Rules.
- v) On successful completion of erection of each item /equipment, a final inspection will be carried out at site by user's representative, for correctness and completeness of erection.
- vi) Holiday testing shall be carried out after completion of Thermit Weld/Pin brazing in the mentioned pipelines.
- vii) After the completion of all tests and rectification of all defects pointed out during final inspection, start-up trials would be commenced. During the start-up trials contractor shall provide skilled / unskilled personnel and supervision round the clock at his cost. The number and category of workmen and duration up to which required, will be decided by the Engineer-in-charge. Any defects noticed during the start-up trial relating to the equipment supplied and work carried out by the Contractor, will be rectified by the contractor at his own cost.
- viii) Any work not conforming to the execution drawings, specifications or codes shall be rejected forthwith and the contractor shall carry out the rectification at his own cost.
- ix) After the operating conditions are fully achieved for Cathodic Protection System and the other requirements as stated in the General and Special Conditions of

Contract are fulfilled, the contractor would be eligible for applying for a completion certificate.

(d) DOCUMENTATION

The following drawings and documents shall be submitted for approval within 3 weeks of issue of Work order-

- a) Various Procedures of Cathodic Protection System Installation like- Soil survey for PCP, Thermit weld, Pin Brazing, Sacrificial Anode (Zn/Mg/Ribbon) Installations, Test stations & Junction Boxes installation, Cable laying, Installation of polarization cell, External ER probe, Surge diverter & grounding cell, connection & sealing of sacrificial anode, Earthing of above ground pipeline, anode ground bed, CP units.
- b) Detailed calculations of Permanent Cathodic Protection System.
- c) Equipment layout, Cable layout & schedule.
- d) Construction drawing for fencing of Anode Ground Bed & Anode Junction Box.
- e) Colour code identification for the various Cathodic Protection System cables used in the system.
- f) Procedures for Various Post commissioning surveys (CIPL etc.).
- g) Procedure for AC & DC interference detection & mitigation.
- h) Procedure for field testing, pre-commissioning & commissioning of PCP.
- i) Procedure for Monitoring & Maintenance of Cathodic Protection system.
- j) Detailed design of Anode ground bed, typical lay out drawings for Anode Ground Bed Connection & Installation for CP system.
- k) Equipment layout, Cable layout & schedule.
- l) Test Lead Post's & Junction boxes for installation & erection details drawings.
- m) Incorporation of Anode bed, Polarisation cell, surge arrester, Test Lead Post, Junction Boxes & Other relevant feature in CP system design in Alignment sheet, pipeline route diagram & Plot plan.
- n) General arrangement of Cathodic Protection Transformer Rectifier Unit.
- o) Pre-packed anode details, Test stations connection diagram.
- p) All constructional drawings of equipment.
- q) Various Installation procedures & Erection Methodology.
- r) Conceptual system design
- s) O&M Manuals

(e) PROJECT SCHEDULE AND DAILY REPORT FORMAT

After the award of work order, the contractor shall submit an overall project schedule clearly indicating the major milestones and interrelationship/ interdependence between various activities. The daily report format shall be provided by Engineer-in Charge of OIL for monitoring of the project.

(VI) Design Basis of Cathodic Protection System**Codes and Standards**

The system design, performance and materials to be supplied shall, unless otherwise specified, conform to the requirements of the following latest relevant applicable specifications.

- a) NACE Standard RP-0169
- b) NACE Standard RP-0177
- c) NACE Publication
- d) IS 8062
- e) BS 7361 Part – I
- f) VDE 0150
- g) ASTM Standards

- h) IS/IEC: 60079
- i) IS/IEC: 60529
- j) IS:1554 Part-I
- k) IS:7098 Part I
- l) OISD standards
- m) IEC standards
- n) PNGRB Guidelines
- o) PESO Norms
- p) API Safety Norms

Permanent Cathodic Protection Design Criteria

Protection Potential of Steel		
Reference Electrode	Instantaneous 'Off' Potential, mV (minimum protective potential)	Instantaneous 'Off' Potential, mV (maximum protective potential)
Cu-CuSO4	-850 mV	-1200 mV

Protection criteria

As per NACE SP0169,

- a) Negative polarised potential of at least -850 mV relative to a saturated copper-copper sulphate reference electrode (Instant-off potential).
- b) A minimum of 100 mV of cathodic polarisation between the structure surface and a stable reference electrode contacting the electrolyte. The formation or decay of polarisation can be measured to satisfy this criterion.

A positive potential swing of 100mV or more shall be considered as sufficient to indicate the presence of an interaction/interference situation requiring investigation & incorporation of mitigation measures by contractor.

Cathodic Protection Design parameters

Description	Parameter
Design Life for CP System	25 years
Safety Factor	1.3
Anode Utilisation Factor	0.85
Pipeline Natural Potential	-0.45 V
Minimum polarised potential	-0.85 V
Maximum polarised potential	-1.20 V

Area classification

Classification of hazardous area will be in accordance with BIS and IS: 5572. All electrical equipment installed in hazardous area will be selected as per IS: 5571.

Permanent Cathodic Protection System

The highlights of the PCP system are as below:

Type of CP system: Permanent using Impressed Current Cathodic Protection

Minimum Protection Current Density: 50 micro-A/m² as all the pipelines are coated with Three Layer Polyethylene (3LPE) coating.

Type of Anode Bed: Deep well

Type of anodes for anode ground bed: Mixed Metal Oxide Titanium (MMO)- Tubular

Dimensions of Anodes: 25 mm (Dia) x 1000 mm (Length) (Current Output: 8 Amps per anode)

No of MMO anodes in each Anode Ground Bed: 10 no.

Pipelines crossing/running parallel throughout the ROW will be bonded at test stations using a resistor and shunt. Bonding will be provided every 10km with the existing TLP available. Before bonding, sufficient thickness is to be ensured for Thermit / Pin Brazing in the existing old pipelines as safety is a major concern.

The system shall include the following major equipment-

- Cathodic Protection stations
- CPTR unit (Cathodic Protection Transformer Rectifier Unit)
- Anode ground beds and anodes.
- Anode Junction Box.
- Test stations.
- Permanent Reference cells.
- Polarisation cell and surge diverter
- Cathodic Protection System at cased crossing.
- Corrosion coupons for external corrosion monitoring.
- Bonding Stations.
- CTSU (Computerised Test Station Unit)
- Cables & Cable markers.
- Cathode Junction Box.

System requirements

- i) All equipment shall be new and procured from approved reputed manufacturers. Equipment requiring specialised maintenance or operation shall be avoided as far as possible. Make and construction of all materials shall be subjected to user's approval.
- ii) As far as possible, equipment including test stations, anode lead junction boxes etc. shall be located in safe non-hazardous areas. However, equipment to be installed in hazardous areas shall be of flameproof type confirming to IS: 2148, IS: 5572, IEC: 79 & API 500C.
- iii) All flame proof equipment/materials manufactured in India should be certified by CMRI or any other recognised testing body & BIS marked.
- iv) As far as possible, availability of nearby low resistivity areas for location of associated ground beds must be ensured while selecting the locations of Cathodic Protection stations.
- v) Cathodic Protection Transformer Rectifier Unit (T/R Unit) working on controlled rectification principle shall supply power for cathodic protection system. The T/R unit shall be provided at Cathodic Protection stations where reliable AC power supply is available.

- vi) Each Cathodic Protection station shall have an independent anode ground bed. Ground bed shall be located electrically remote from the pipeline. The anode bed shall at least be 100 metres (approx.) away from the pipeline and foreign pipelines/ structures. The anodes installed in the ground shall be located in perennially moist strata, wherever possible.
- vii) All MMO Anodes to be placed in Petroleum coke breeze in Deep well configuration as per design for 25 years of protective life.

Soil Resistivity Survey

For design of Permanent CP deep well anode ground beds two or more ground bed plots may be required to be selected for soil resistivity survey at proposed anode bed location. Depth of soil resistivity shall be as per type of anode ground bed.

For Deep well anode bed-1, 3, 5, 7, 10, 15, 20, 25, 30, 35, 40, 45, 50...metre as per depth of anode ground bed.

Soil layer resistivity shall be calculated from soil survey results to enable to know the layer resistivity and to compensate the averaging effect of Wenner's four-pin method.

All measurements shall be made and recorded in metric units. While recording the data reference to the nearest point shall be made. To provide visual representation of variations in the resistivities along right of way, values shall be plotted on semi log graph sheets. The resistivity graph shall also indicate the resistivities at additional depths measured at various locations.

All the river creek beds and other major water crossing/ marshy lands, swamps should be so chosen for resistivity observations so as to obtain resistivity of the soil at river/ creek beds or marsh lands.

At crossings where temporary cathodic protection has been arranged, soil resistivity measurement shall be carried out. Also, any other location pointed out by the user, soil resistivity measurement shall be carried out by the concerned contractor.

Additional Data Collection

The following data shall be collected with a view to generate design data of evaluation of cathodic protection interaction possibilities due to presence of other services in right of way and its vicinity.

- a) Route and types of Foreign Service/ pipelines in and around, running parallel or crossing the right of way.
- b) Diameter, wall thickness, pressure, soil cover etc. of the foreign pipeline.
- c) Foreign pipeline crossing details.
- d) Details of existing cathodic protection systems protecting the services including rating and location of grounds bed, test station locations and connections schemes etc. Where pipeline is likely to pass close to any existing ground bed, necessary anode-bed potential gradient survey shall be carried out.
- e) Interference remedial measures existing on foreign pipelines/ services/ shall be collected from the user of the foreign pipeline/ services.

- f) Graphical representation of existing structure/ pipe to soil potential records, Transformer Rectifier Unit/ Cathodic Protection Power source voltage/ current readings.
- g) Possibilities of integration / isolation of the proposed pipeline Cathodic Protection System with foreign pipeline / structure Cathodic Protection System, which may involve negotiation with users of foreign services.
- h) Any other relevant information that may be needed in designing and implementing of proper cathodic protection scheme for the proposed pipeline.
- i) Unless otherwise mentioned, contractor shall conduct necessary potential gradient surveys for any existing anode ground beds that may interfere with the Cathodic Protection system of the pipelines covered under this project.
- j) On completion of all the field work, an interim report incorporating results generated from surveys, additional data collected etc. shall be submitted for comments/ approval. The final report incorporating comments/ missing data shall be furnished for records. The report along with various drawings, graphs etc. prepared in connection with the work shall be submitted by the concerned contractor.

Anodes and Backfill

Anodes shall be of MMO coated titanium anode along with tail cable (Factory jointed) of sufficient length for termination up to the junction box without any joint.

MMO coated titanium anodes and backfill shall conform to ASTM standards.

MMO coated titanium anodes shall be of pure Ti substrate. The MMO anodes shall be centre connected sealed tubular type & dimensionally stable.

Specification for MMO Anodes.

Mixed Metal oxide coated LIDA tubular anodes (1000 mm long x 25 mm dia.) each 8A output (For 35 years) shall be provided with adequate lead cable connected to it so as to reach anode junction box without any intervening joint.

Anode Base Material	Titanium Tube – ASTM Grade – I
Anode Diameter	25.4mm O.D +0.40mm /- 0.79 mm
Anode Length	1000mm +/- 5 mm long
Anode Weight	0.280kg/m +/- 0.028kg/m
Individual Anode current output	8 Amperes
Anode Operating Current Density	100 Amp/sq.m
Anode Consumption Rate	1 mg / Amp- Yr.
Coating Resistivity	6 x 10 ⁻⁵ Ohm-cm
Anode Coating Thickness	More than 6 gms/m ²
Coating Deposition Method	Thermal Decomposition
Anode Tail Cable Conductor	Copper
Anode Tail Cable Cross Section	10 sq. mm
Anode Tail Cable Type	PVDF insulated & HMWPE Sheathed Stranded tinned copper
Anode to Cable Connection	LIDATM patented crimp connection and end Sealing.
Total Anode tail Cable Length	As per site Measurement
Make	De Nora India Limited, Magneto Special Anodes, TI Anode or Approved Equivalent

The Guaranteed Technical Parameters of MMO anodes i.e., Current density, consumption rate (max. specified), rated current output, shape, dimension, physical & mechanical property, thickness of coating of noble meta shall be as per manufacturer's specification/data sheet & Contractor shall submit routine & type test report for the anodes.

Specification for calcined petroleum coke breeze is as given below:

Chemical composition	
Moisture, Volatile (On Dry Basis), Ash and Sulphur	2% (% By Mass)
Fixed Carbon	98% Minimum
Bulk Density	822 Kgs / M3
Real Density	2.03 gm / cc
Porosity	40%
Resistivity	0.1 Ohm Cm at 150 PSI
Particle Size	(-) 1.0 mm Max Dust Free
Make	India Carbon, Goa Carbon Limited or Approved Equivalent

The deep well anode ground bed details shall include the details of anodes, deep well casing, anode positioning, anode cable supporting, deep well gas venting, active and passive portions of ground bed.

The depth of deep well anode ground bed shall be sufficient enough to reduce anode influence on incidental structures within proposed location.

Deep Anode Bed configuration

Deep anode bed shall be as per following specifications:

- (a) Type of anode bed: Deep Anode Bed.
- (b) Cased / Uncased: Cased.
- (c) Inactive column length: 45 m (approx.)
- (d) Active column length: 30 m (approx.)
- (e) Anode Tail cable above ground: as per site measurement.
- (f) Anode string length: as per site measurement.
- (g) Bore hole dia: 150 mm dia.
- (h) Anode type: MMO Anodes installed in a single cable.
- (i) Anode application: Soil application with backfill.
- (j) Anode string: as per site measurement (LIDA ST 2.5/50 or equivalent).
- (k) Backfill: Calcined petroleum coke breeze as per specification.
- (l) Maximum backfill resistivity: As per specification.
- (m) Anode bed distance from pipeline: At the furthest extremity of available land.
- (n) Rated string current output: 8 amperes x No. of anodes.
- (o) Accessories: Perforated vent pipe, centralizers suitable for bore hole of 150 mm, end weight and nylon rope.

Anode Junction Box for Section A and Section B

Construction: Cast Aluminium alloy LM-6
 Protection Class: IP-55
 Gasket: Neoprene/Silicone Rubber
 Plate: 1 no. 10mm thick phenolic plate
 Cable entry: as per requirement
 Earthing: 1 no. inside and 2 nos outside
 Finishing: Epoxy coated as per shade RAL-7031
 Name /tag plate: Warning label as per IS/IEC
 Anode junction box: 480 x480 x200 mm

Tinned copper busbar: 25 x 5 mm
Maganin shunt :10 A/100 mV
Tinned aluminum /copper lug(M10)
M10 fixing bolt with double nuts and washer
GI base plate
M12, anchor bolts with nuts and washer
Resistor: 1 ohm/100 W
Insulation level in between terminals and body: 2 kv for 1 minute at 50 Hz

**Anode Junction Box for Section C
(Type I)**

Construction: Cast Aluminium alloy LM-6
Protection Class: IP-55
Gasket: Neoprene/Silicone Rubber
Plate: 1 no. 10mm thick phenolic plate
Cable entry: as per requirement
Earthing:1 no. inside and 2 nos outside
Finishing: Epoxy coated as per shade RAL-7031
Name /tag plate: Wrning label as per IS/IEC
Anode junction box: 480 x480 x200 mm
Tinned copper busbar: 25 x 5 mm
Maganin shunt :10 A/100 mV
Tinned aluminum /copper lug(M10)
M10 fixing bolt with double nuts and washer
GI base plate
M12, anchor bolts with nuts and washer
Resistor: 1 ohm/100 W
Insulation level in between terminals and body: 2 kv for 1 minute at 50 Hz

(Type II)

Construction: Cast Aluminium alloy LM-6
Type of enclosure: Ex-d, Zone I/II
Area classification: Gas group IIA/IIB
Protection Class: IP-65
Temperature class : T-6
Gasket: Neoprene/Silicone Rubber
Plate: 1 no. 10mm thick phenolic plate
Cable entry: as per requirement
Earthing:1 no. inside and 2 nos outside
Finishing: Epoxy coated as per shade RAL-7031
Name /tag plate: Wrning label as per IS/IEC
Anode junction box: 480 x480 x200 mm
Tinned copper busbar: 25 x 5 mm
Maganin shunt :10 A/100 mV
Tinned aluminum /copper lug(M10)
M10 fixing bolt with double nuts and washer
GI base plate
M12, anchor bolts with nuts and washer
Resistor: 1 ohm/100 W
Insulation level in between terminals and body: 2 kv for 1 minute at 50 Hz

Cathode Junction Box for Section A and Section B

Cathode Junction Box (480 x480 x200 mm)
Phenolic laminated terminal plate 10mm thick
Tinned copper busbar (25 x 5 mm thick)

Manganin shunt (50 A/50mV)
Aluminium double compression gland
Earth stud
Tinned Aluminium/copper lug M-10
M10 fixing bolt with nuts and washers
M12 anchor bolts with double nuts and washers
Protection class – IP55
Construction material-Cast aluminium alloy LM-6
Paint shade-RAL 7031

Cathode Junction Box for Section C**(Type I)**

Cathode Junction Box (480 x480 x200 mm)
Phenolic laminated terminal plate 10mm thick
Tinned copper busbar(25 x 5 mm thick)
Manganin shunt (50 A/50mV)
Aluminium double compression gland
Earth stud
Tinned Aluminium/copper lug M-10
M10 fixing bolt with nuts and washers
M12 anchor bolts with double nuts and washers
Protection class – IP55
Construction material-Cast aluminium alloy LM-6
Paint shade-RAL 7031

(Type II)

Cathode Junction Box (480 x480 x200 mm)
Phenolic laminated terminal plate 10mm thick
Tinned copper busbar(25 x 5 mm thick)
Manganin shunt (50 A/50mV)
Aluminium double compression gland
Earth stud
Tinned Aluminium/copper lug M-10
M10 fixing bolt with nuts and washers
M12 anchor bolts with double nuts and washers
Protection class – IP65
Type of Enclosure- Ex d, Zone 2/Group IIA/Group IIB
Construction material-Cast aluminium alloy LM-6
Paint shade-RAL 7031

Test Lead Post

Test stations shall be provided along the pipeline route for monitoring the performance of the Cathodic protection system.

1. At the location of anode ground beds.
2. At one sides of metalled road crossings.
3. At all Insulating Joints.
4. At tap-off station, at receipt station.
5. At HV/HV, AC/DC overhead line crossings and selected locations where EHV/HV overhead line is in vicinity of the pipeline.
6. At vulnerable location with drastic change in soil resistivity.
7. At both sides of major river crossings.
8. At location of surge diverters and polarization cell.

9. In the vicinity of DC networks or grounding system where interference problems are suspected.
10. At location of cable crossing
11. At crossings of other pipelines/structures.
12. At both sides of cased crossings.
13. At any other locations considered vulnerable/locations where interference is expected.
14. At railway line crossings and at selected location along lines running parallel to the pipeline.
15. At the location of sectionalizing valve (SV) station & IP stations.
16. At any other locations considered necessary by user/user's representative.
17. At high voltage crossing or along routes where HV cables are running parallel.
18. At the locations of reference cell and Electrical Resistance Probe installation.

Test stations for bonding shall be provided with shunt and resistor as a means to monitor and control current between pipeline and foreign pipelines or structures that exists in the ROU or within 25 m of the pipeline.

Test Lead Post (Small)

Material	Mild Steel
Size	250 x 250 X 200 X 3 mm
Lamination	Phenolic laminated
Terminal Plate	200 x 160 X 6 mm
Height	1200 mm
Protection	IP-55 Weatherproof
Support MS Pipe	4" diameter ,1000 mm Long, 4.5 mm Thick
Base plate	200 X 200 X 10 mm
Shutter	Hinged type with lock
Bottom Plate	5 mm with additional bottom plate Brass Terminals M4 x 50 mm - 12 No. Copper Link SS Screw for mounting of Terminal Plate.
Epoxy painting	250 microns
Foundation Bolt	4 no. Foundation Bolt: M10 x 150 mm

Test Lead Post (Big)

Material	Mild Steel
Size	450 x 450 X 300 , 3 mm (thick)
Lamination	Phenolic laminated
Terminal Plate	400 X 310 X 6 mm
Height	1200 mm
Protection	IP-55 Weatherproof
Support MS Pipe	4" dia ,1000 mm Long, 4.5 mm Thick
Base Plate	400 X 400 X 10 mm
Shutter	Hinged type with lock

Bottom Plate	5 mm with additional bottom plate Brass Terminals M4 x 50 mm - 12 No. Copper Link SS Screw for mounting of Terminal Plate.
Epoxy painting	250 microns
Foundation Bolt	4 no. Foundation Bolt: M10 x 150 mm

Bond Box

Bond box for Section B and Section C

1. The shutter shall be hinged type with concealed lock and door gasket to make the test station weatherproof (IP-55) with canopy paint shade: RAL631 (Light grey)
2. The inner and outer surface of the test station shall be epoxy painted.
3. The nameplate shall be of anodized aluminium with black background and white letters and shall be fixed to the inner side of shutter.
4. Test stations shall be erected with their shutters parallel to the line of axes and facing the pipeline.
5. The chainage of test station shall be written with black paint on the outer side of the front shutter.
6. Height of the test station shown level is minimum only; the actual height shall be decided based on local flood levels to be ascertained.
7. All the dimensions are in mm.
8. Dimensions and quantities are for guidance only.

Bottom plate (1 no.)

Rear and side, 250 X 250, 3 mm thick

Top, 300 x 250 MS, 3MM thick

Shutter

Spring washer SC B.6

Concealed lock with master key and sliding cover

Hinge for shutter

Terminal Plate, 8x150x150, Phenolic Laminated Shutter

Brass stud M6 X 50 Long for terminal

Brass nut M6

Brass washer

MS angle thick 50 x 50 x 30

Steel screw, M6 X16

Handle

MS Coupling plate, 5 thick x 140 x140 MS PLATE

MS PIPE dia 100 mm x 4.5 thick x 1000mm

Neoprene rubber gasket 6 thick

Foundation plate 6 thick x 400 x 400

Door stopper plate 3 mm thick

Foundation bolt M12 X 50 LONG WITH SPRING WASHER AND NUT

Stiffner plate 6 thick x 100 x100

Nameplate anodized AL 0.9 x 120 x 160

Foundation concrete M-20 Grad

Big size bond box for Section A

A big size bond box shall be manufactured and installed to bond 6 nos. of pipelines of Section A.

Specification for Multimeter and Clampmeter

Specifications of the Intrinsically Safe Digital Multimeter:

(A) Intrinsically safe True rms Digital Multimeter shall have the following features:

1. 4-1/2 digit large display (20,000 counts) with bright, two-level backlight for easy reading.
2. True-rms ac voltage and current for accurate measurements on non- linear signals.
3. Shall have resistance, continuity and diode test.
4. Min/Max-Average and Peak capture to record transients and variations automatically.
5. Relative mode to remove test lead interference on resistance measurements.
6. Auto and manual ranging.
7. Shall have frequency range up to 200 kHz and % duty cycle
8. Shall have access door for fast battery changes without breaking the calibration seal.
9. Input Alert for providing audible warning against wrong use of input jacks
10. Shall have sleep mode for long battery life.
11. Shall be shock and vibration proof.
12. Shall have meter-hanging kit.
13. Shall have Approved Intrinsically safe certificate from CCOE/ ATEX or approved equivalent.
14. Shall be Weatherproof to IP67.

(B) Measurement specifications:

1. Voltage DC: Range:0.1 mV to 1000V, Accuracy: $\pm 0.05 \%$, Resolution: upto 10 μ V
2. Voltage AC: Range: 0.1 mV to 1000V, Accuracy: $\pm 0.7 \%$, True rms Resolution: upto 0.1 mV
3. Current DC: Range: 0.1 μ A to 10 A, Amps accuracy: $\pm 0.2 \%$, Maximum resolution: upto 0.01 μ A
4. Current AC: Range: 0.1 μ A to 10 A, Amps accuracy: $\pm 1.0 \%$, Maximum resolution: upto 0.1 μ A
5. Resistance: Range: 0.1 Ω to 50 M ohms, Accuracy: $\pm 0.2 \%$, Maximum resolution: upto 0.1 ohm
6. Capacitance: 10 nF to 9999 μ F, Accuracy: $\pm 1 \%$, Maximum resolution: upto 0.01 nF
7. Frequency: Range: up to 199.99 kHz, Accuracy: $\pm 0.005 \%$, Maximum resolution: upto 0.01 Hz
8. Duty cycle: Maximum duty cycle: 99.9 %, Accuracy: $\pm(0.2 \%$ per kHz + 0.1 %), Maximum resolution: 0.10 %
9. Temperature measurement: - Range: -200 °C to +1000 °C
10. Diode: - Range: 2 V Accuracy: + 2.0%
11. Environmental specifications: Operating temperature: 0 °C to 55 °C
12. Power: Shall be battery powered with Battery life: 400 hours or better.

(C) Accessories to be supplied with Instrument:

Test Leads, Alligator Clips, Rubber holster, Battery pack, CD (user's manual and technical notes) and operator's manual.

Specification for Digital Clampmeter

3- & 1/2-digit LCD display digital clamp on meter suitable for current measurement up to 1000A with additional provisions for AC & DC voltage measurement, resistance measurement, diode test & continuity check (all measurements should be true RMS). The meter should have following features:

Display: 3&1/2 digital display with back light provision DCV range: up to 600V

ACV range: up to 600V DCA range: up to 1000A ACA range: up to 1000A

Resistance: up to 10 KiloOhms (in ranges) Diode Test: Yes

Continuity Test: Yes, with continuous beeping provision Accuracy: Minimum +/- 1.5 %

Jaw Opening: Minimum 50 mm

Accessories: Carrying Case, a pair of testing leads, user manual & 1 set of battery.

Surge diverter and Polarisation cell

- a) Where high voltage/ Extra High Voltage (66 KV and above) transmission line runs in parallel or crosses the pipeline, the pipeline shall be grounded through polarisation cells & zinc anodes of minimum 20 kg net each.
- b) Spark gap arrestor shall be connected across each insulating joint to protect it from high voltage surges at the location of terminals/end of the pipeline etc.
- c) The total system including cables, cable termination, anodes/ surge diverters shall be suitable for the anticipated fault current at the location of installation.
- d) The minimum rating of polarisation cells and surge diverters shall be as below:

(i) Polarisation cell

5kA Electrolyte type

Blocking Voltage: +/- 2V DC

(ii) Surge diverter (Spark Gap Arrestor) Type: Spark gap, Explosion Proof Type

- Current, 8/20 wave: 100 KA (Surge)
- Spark over AC voltage: - 50 Hz: 1 kV
- Impulse (1.2/50): 2.2 kV micro sec)

GI Earthing Electrodes

Earthing of above ground cathodically unprotected pipeline, the earth electrode shall be 65 mm dia, 4.5 mm thickness & 3000mm long.

Petroleum Coke Breeze

Chemical composition	
Moisture, Volatile (On Dry Basis), Ash and Sulphur	2% (% By Mass)
Fixed Carbon	98% Minimum

Bulk Density	822 Kgs / M3
Real Density	2.03 gm / cc
Porosity	40%
Resistivity	0.1 Ohm Cm at 150 PSI
Particle Size	(-) 1.0 mm Max Dust Free
Make	India Carbon, Goa Carbon Limited or Approved Equivalent

Permanent Cathodic Protection cables

PCP cables - Cables shall be annealed high conductivity, 1100 V Grade

- i) 1C X 6 sq. mm -armoured for potential measurement and ref cell.
- ii) 1C X 10 sq. mm- unarmoured for anode tail cable.
- iii) 1 C X 25 sq. mm – armoured bonding/grounding etc
- iv) 1 C X 35 sq. mm - armoured for anode and cathode header cable
- v) 3C X 10 sq. mm armoured for CPTR unit incomer cable
- vi) Multicore, FRLS, 1.5 sq. mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.

Description

- 1) PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated, FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).
- 2) PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables, FRLS, Unarmoured - Red, Annealed High Conductivity Tinned Copper (Stranded).
- 3) PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).
- 4) PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).
- 5) PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).
- 6) PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).
- 7) Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.

Cable to Pipe connection by Exothermic method

All cable connections to the pipeline including charged foreign pipelines shall be made by an approved (by user) exothermic process. A suitable waterproof sealing system of the cable connections shall be made which will be compatible with parent coating system of the

pipeline after exothermic process. The resistance of cable to pipe at pin brazing/ thermit weld connection point shall not exceed 0.1 ohm.

After the Thermit welding / Pin Brazing has been done, the exposed area shall be completely covered with plastic funnel and sealed with mastic/M- seal then the funnel is filled by two-part epoxy. This method shall provide the total encapsulation. For charged pipeline, pin-brazing shall be used. Eutectic solder shall not be accepted for charged or non-charged pipeline. Pipe coating shall be repaired after connection of cable to pipeline. The coating repair material shall be compatible with original coating and shall prevent ingress of water along cable surface and at the interface of coating repair with original pipe coating. Holiday test shall be performed after each pin brazing/thermit weld connection on pipes.

Cathodic Protection Transformer Rectifier Unit (CPTRU)

Cathodic Protection Transformer Rectifier Unit (T/R) working on controlled Rectification principle is intended to supply power to cathodic protection system for underground pipelines. This specification covers the requirements for the design, manufacture, testing, delivery to site and commissioning of the T/R Unit (as specified in data sheet).

In case of imported equipment, standards of the country of origin shall be applicable if these standards are equivalent or stringent than the applicable Indian standards. The equipment shall also confirm to the provisions of Indian Electricity rules and other statutory regulations currently in force in the country. The T/R unit shall be suitable for installation in non-air-conditioned restricted ventilated room in locations having generally warm and dusty atmosphere. CPTR unit shall be capable of continuous trouble-free operation at full load rating specified. The design & manufacturing of unit shall have highest grade workmanship. Interchangeability must be guaranteed for the similar type equipment/Parts & material.

Performance Requirements

The T/R shall have the following modes of operation as below:

a) Manual Mode:

The control of DC output in this mode shall be without any electronic component. A separate Autotransformer with 24-step tap switch controller will be provided to control the DC output voltage from 0 to rated voltage in 24 symmetrical steps.

b) CVCC mode:

This will be the second mode of operation. In this mode the unit can be operated in either constant voltage mode or constant current mode.

The DC voltage will be adjustable from 0 to rated value by means of a step less voltage setter potentiometer.

The DC current will be adjustable from 0 to rated value by means of a step less current setter potentiometer.

c) Auto Mode:

Fully automatic operation with reference electrode feedback. The output voltage and current of the unit will vary over the entire range to maintain the pipe soil potential constant at within +15mV of the set value. Automatic reference selector logic will be used to sense voltage from three electrodes simultaneously and select the least protective electrode for feedback control.

d) Inspection

Inspection and testing of equipment shall be carried out by the Inspection agency at the works of the manufacturer on final product to ensure conformity of the same with the acceptable criteria of technical specification, approved drawings and reference national/ international standards. Test certificates including test records and performance data etc. shall be furnished by the concerned contractor. Type test including 8 hr. heat run test shall be conducted on one system of similar type rating and 'Acceptance test' on the remaining. Final acceptance testing shall be done at site. Site acceptance test procedure shall be submitted by the Contractor along with QAP.

Section A-CPTRU specification

DATA SHEET FOR TRANSFORMER RECTIFIER UNIT 50V/50A			
Manufacturer		Kristron System, BSS Technologies, Troubleshooting Technology and APPROVED EQUIVALENT.	
TECHNICAL REQUIRMENTS			
1	Input Voltage	:	240V, 1Ph., A.C.
2	Output Current	:	50V/50A unit - 22A (max) - DC
3	DC Power Output	:	2500 W
4	Transformer	:	Type: Double wound isolation Over voltage capacity: 20% continuous KVA Rating: 5 KVA Class: Class B Dielectric Strength: 2.5 KV for one minute Efficiency: More than 95%, Regulation: 3 %
5	DC Output Voltage	:	0 to 50V
6	DC Output Current	:	0 to 50A
7	Derating factor for diodes / SCRs	:	Voltage - At least 300% factor of Safety PIV - 1200V Minimum Current - 300% to 500% factor of safety
8	Full load efficiency of T/R Unit	:	50V/50A unit - More than 70%
9	Full Load Power Factor	:	Not less than 0.8 lagging
10	Insulation Level	:	2 KV for 1 minute
11	Peak Inverse Voltage for Diode/SCR	:	1200V (Min)
12	Cable entry	:	A.C. input, DC output and Reference Cell & Annunciation contacts. Through bottom plate of the unit through suitable cable glands.
13	Filtering circuit	:	L.C. Filter
14	Ripple & Hum at rated output	:	Less than 5% RMS
15	Surge Diverters for diodes /SCRs	:	Metal oxide varistors/capacitors/R-C Networks.
16	Lightning Arrestor	:	At Input & output side of the T/R unit RMS voltage rating 500V Impulse discharge current 5.0 KA.

17	Protection/Isolation	:	<p>2 pole MCB in AC Input for overload protection & isolation.</p> <p>2 pole MCB in DC Output.</p> <p>HRC fuses in input & output.</p> <p>Glass cartridge fuses in the live line of all lamps, auxiliary power lines to control circuit and AC voltmeter.</p> <p>All Ref. Fail indication and automatic setting of DC voltage to the pre-set value.</p> <p>Built in over current & short ckt. protection feature.</p> <p>Current limit adjustable from 0 to rated value.</p>
18	Reference Electrode	:	<p>3 Nos. Cu/CuSO4</p> <p>Automatic Reference Selector Logic shall be provided to automatically select the lowest (least protected) reference signal out of three reference signals fed to the unit simultaneously.</p> <p>Facility shall also be provided to select one out of three ref. Electrodes by means of a manually operated.</p>
			<p>Reference Selector switch.</p> <p>In case of failure of all three Ref. Electrodes, the DC output voltage will automatically get adjusted to a programmable preset value.</p>
19	Control element	:	<p>The DC output will be controlled using latest solid state thyristors (SCRs).</p> <p>These SCRs will be controlled by the commands from the electronic circuits.</p> <p>All the electronic circuits will be assembled on plug-in type, glass epoxy control cards.</p>
20	Modes of operation		<p>Following modes of control shall be provided.</p> <p>a) Auto Ref. Mode:</p> <p>Fully automatic operation with reference electrode feedback. The output voltage and current of the unit will vary over the entire range to maintain the pipe soil potential constant at within +15mV of the set value. Automatic reference selector logic will be used to sense voltage from three electrodes simultaneously and select the least protective electrode for feedback control.</p> <p>b) CVCC Mode:</p> <p>This will be the second mode of operation. In this mode the unit can be operated in either constant voltage mode or constant current mode.</p> <p>The DC voltage will be adjustable from 0 to rated value by means of a step less voltage setter potentiometer.</p>

			<p>The DC current will be adjustable from 0 to rated value by means of a step less current setter potentiometer.</p> <p>c) Manual Mode: This will be the third mode of operation. The control of DC output in this mode shall be without any electronic component. A separate Autotransformer with 24-step tap switch controller will be provided to control the DC output voltage from 0 to rated voltage in 24 symmetrical steps.</p>
21	Ref. (P.S.P.) Voltage setting in Auto ref. Mode	:	-0.80V to -2.50V (For Cu/CuSO ₄ Electrode)
22	Ref. (P.S.P.) Voltage Regulation in AutoRef. Mode	:	Better than $\pm 15\text{mV}$
23	DC Voltage Setting Range in AVCC Mode	:	0 to 50V
24	DC Voltage Regulation in AVCC Mode	:	$\pm 0.25\text{V}$
25	DC Current Setting Range in Auto Mode & AVCC Mode	:	0 to 50A
26	DC Current Regulation in Auto Mode & AVCC Mode	:	For 50V/50A Unit: Better than $\pm 0.25\text{A}$
27	Indications/Annunciations	:	<p>Mains ON Operation on AC Supply Unit in Auto Ref. Mode Unit in AVCC Mode Under protection Overprotection Reference 1 fail Reference 2 fail Reference 3 fail All Reference fail</p> <p>Reference 1 lowest Reference 2 lowest Reference 3 lowest Unit in current limit</p>
28	Meters/instruments	:	<p>3½ Digit, digital meters for following:</p> <ul style="list-style-type: none"> - AC Voltage: 0 to 300V AC - AC Current: 0 to 30A AC - DC Voltage: 0 to 60V DC - DC Current: 0 to 60A DC with 75mV Ext. Shunt - P.S.P.: 0 to $\pm 19.99\text{V}$ DC with selector switch.
29	Current Interruption Facility	:	Current interruption facility will be provided by means of a built-in contactor & microprocessor based synchronized digital timer with real time clock & ON/OFF time display. The timer will have facility for adjusting the ON time & OFF time from 0.1 to 999.9 sec. by means of digital setting facility. Timer will have START, STOP facility thru local keypad or thru remote potential free contacts. The timer will have facility for Synchronization to Master Timer or similar Timer in another unit.

			<p>The Interrupter Timer will be provided with GPS Sync Facility.</p> <p>Facility for interconnection of an external timer shall also be provided.</p> <p>A removable bypass link will be provided for bypassing the interrupter contactor contacts.</p>
30	T/R Unit Pipe Circuit ON/OFF	:	Facility will be provided for automatic opening of pipe circuit of T/R unit as and when desired.
31	Remote Monitoring Facility by means of a Built-in GSM Based Data Logger (As per the detailed specifications provided)	:	<p>Facility will be provided for remote monitoring of the following signals by means of a GSM SMS based Data Logger RMU</p> <p>a) Analog Parameters: P.S.P. DC O/P Voltage DC O/P Current AC supply voltage AC supply Time Totalizer</p> <p>b) Alarm parameters: Under protection Overprotection Reference fail TR unit Door open AC supply Fail</p> <p>c) Control parameters: T/R unit DC O/P shutdown T/R unit Pipe Circuit ON/OFF</p>
32	Enclosure/Construction	:	Floor mounted Outdoor type. Confirming to IP55 degree of protection.
			To be fabricated from 2.5 mm sheet steel. Lockable doors shall be provided in the front and back.
33	Cooling	:	Natural air cooled
34	Painting	:	<p>Shot Blasting SA2.5 Zinc rich primer – 50micron DFT Epoxy Coat – 100 micron DFT. Polyurethane Coat- 50 micron DFT Light Grey as per 631 IS:5</p>
35	Earthing	:	2 Nos. suitably sized earthing bolts and 1 No. nickel plated copper earthing bus bar shall be provided.
36	Environments	:	<p>Max Ambient Temp : 55 degree Celsius Relative Humidity : Up to 99%</p>

Section B-CPTRU specification

1	A.C. Input Voltage	:	240V \pm 10%, 1 Ph, 50 Hz, AC
2	A.C. Input Current	:	19.5A
3	D.C. Power Output	:	1200 Watt
4	Transformer	:	Type: Double wound isolation Over voltage capacity: 20% continuous KVA Rating: 4.63 KVA Class: Class B Dielectric Strength: 2.5 KV for one minute Efficiency: More than 95%, Regulation: 3 %
5	D.C. Output Voltage	:	0 to 48V
6	D.C. Output Current	:	0 to 25A
7	Factor of safety for Diodes/SCRs	:	Voltage - 300% factor of safety Current - 300% factor of safety
8	Full load efficiency of rectifier	:	More than 70%
9	Full Load Power Factor	:	Not Less than 0.8 lagging
10	Insulation Level	:	2 KV for 1 minute
11	Cable Entry	:	AC input, DC output, Reference Cells, from the box at the bottom of the unit thru suitable cable glands.
12	Peak Inverse Voltage - Diode - SCR	:	1200V 1200V
13	Filtering circuit	:	L.C. Filter
14	Ripple & Hum	:	Less than 5% RMS at rated output
15	Surge Diverters for Diodes/SCRs	:	Metal oxide varistors/capacitors/R-C Networks
16	Lightning Arrestor	:	At both Input & output side of the T/R unit R.M.S. Voltage Rating: 500V R.M.S. Current Rating: 5KA Type: LT 0.5 or Eqv.
17	Protection	:	2 Pole MCB in AC input. HRC fuses in AC input. 2 Pole MCB in DC Output. Glass cartridge fuses in the live line auxiliary powerlines to control circuit. Fast acting Electronic Overcurrent limit & Short Ckt. Protection Circuit.

18	Reference Electrode	:	3 Nos. Cu/CuSO₄ Facility shall also be provided to select one out of three ref. by means of a manually operated Reference Selector switch.
19	Control element	:	The DC output will be controlled using latest solid-state SCRs. These SCRs will be controlled by the commands from the control circuits. All the electronic circuits will be assembled on plug-in type control cards.
20	Modes of operation	:	Following modes of control shall be provided:
			a) Auto Ref. Mode:
			The operation of the unit in this mode will be fully Automatic and will be controlled by the Reference electrode feedback. The unit will automatically maintain Reference voltage or P.S.P. within $\pm 15\text{mV}$ of the set value under all conditions.
			b) CVCC Mode:
			This will be the second mode of operation. In this mode the unit can be operated in either constant voltage or constant current mode.
			In constant voltage mode the DC output voltage will be adjustable from 0 to rated value in stepless manner by means of a voltage setter potentiometer.
			In constant current mode the DC output current will be adjustable from 0 to rated value in stepless manner by means of a current setter potentiometer.
			c) Manual mode This will be the third mode of operation. The control of DC output in this mode shall be without any electronic component. A separate Autotransformer with 24-step tap switch controller will be provided to control the DC output voltage from 0 to rated voltage in 24 symmetrical steps.
21	Ref. Fail safe Feature	:	In the event of failure of the Reference Electrode, the DC output voltage of the unit will get to a preset value. This preset voltage is adjustable from 0 to rated voltage.
22	Ref. (P.S.P.) voltage setting range in Auto Ref. Mode	:	-0.8V to -2.5V
23	Ref. Regulation in Auto Mode	:	Better than $\pm 15\text{mV}$
24	Voltage setting range in CVCC Mode	:	0 to 48V

25	DC Voltage regulation in CVCC (Manual) mode	:	Better than $\pm 0.25V$	
26	Current setting range in Auto Mode & CVCC Mode	:	0 to 25A	
27	Current regulation in current limit mode	:	Better than $\pm 0.5A$	
28	Indications / Annunciations	:	a)	Mains ON
			b)	Unit in Auto Ref. Mode
			c)	Unit in CVCC Mode
			d)	Under protection
			e)	Overprotection
			f)	Reference fail
			g)	Current Limit
29	Meters / Instruments	:	3½ Digit, digital meters for following: - AC Voltage: 0 to 300V AC - AC Current: 0 to 25A AC - DC Voltage: 0 to 60V DC - DC Current: 0 to 60A DC with 75mV Ext. Shunt - P.S.P. : 0 to $\pm 19.99V$ DC with selectorswitch.	
30	Current Interruption	:	Current interruption facility will be provided by means of a built-in contactor & Multi Functional Digital Timer. 0.1 sec to 999 Hr. ON Time & OFF time setting facility by digital keypad. Timer will have START, STOP facility thru local keypad. Timer ON-OFF switch will be provided.	
31	Cooling	:	Natural Air Cooled (AN).	
32	Remote Monitoring	:	Following Analog Output signals provided for monitoring. Isolated 4-20mA signals for: i) DC output Voltage: 0 to 60 V DC ii) DC output current: 0 to 60A with 75mV Ext shunt iii) P.S.P. : 0 to - 4 V DC.	
33	Enclosure/Construction	:	Floor mounted Outdoor type enclosure To be fabricated from 2.5 mm Steel sheet. Confirming to IP55 degree of protection. Lockable doors shall be provided in the front.	
34	Painting	:	Shot Blasting SA2.5 Zinc rich primer – 50micron DFT Epoxy Coat – 100 micron DFT. Polyurethane Coat- 50 micron DFT Light Grey as per 631 IS:5	
35	Environment	:	Ambient Temp : 0 - 55°C Humidity : 95%RH Maximum	
36	Earthing	:	2 Nos. 12mm earthing bolts will be provided.	
37	Weight	:	300 Kg. Approx	

Section C-CPTRU**(Type I)**

1	A.C. Input Voltage	:	240V \pm 10%, 1 Ph, 50 Hz, AC
2	A.C. Input Current	:	19.5A
3	D.C. Power Output	:	1200 Watt
4	Transformer	:	Type: Double wound isolation Over voltage capacity: 20% continuousKVA Rating: 4.63 KVA Class: Class B Dielectric Strength: 2.5 KV for one minute Efficiency: More than 95%, Regulation: 3 %
5	D.C. Output Voltage	:	0 to 48V
6	D.C. Output Current	:	0 to 25A
7	Factor of safety for Diodes/SCRs	:	Voltage - 300% factor of safety Current - 300% factor of safety
8	Full load efficiency of rectifier	:	More than 70%
9	Full Load Power Factor	:	Not Less than 0.8 lagging
10	Insulation Level	:	2 KV for 1 minute
11	Cable Entry	:	AC input, DC output, Reference Cells, from the box atthe bottom of the unit thru suitable cable glands.
12	Peak Inverse Voltage - Diode - SCR	:	1200V 1200V

13	Filtering circuit	:	L.C. Filter
14	Ripple & Hum	:	Less than 5% RMS at rated output
15	Surge Diverters for Diodes/SCRs	:	Metal oxide varistors/capacitors/R-C Networks
16	Lightning Arrestor	:	At both Input & output side of the T/R unit R.M.S. Voltage Rating: 500V R.M.S. Current Rating: 5KA Type: LT 0.5 or Eqv.
17	Protection	:	2 Pole MCB in AC input. HRC fuses in AC input. 2 Pole MCB in DC Output.

			Glass cartridge fuses in the live line auxiliary powerlines to control circuit. Fast acting Electronic Overcurrent limit & Short Ckt. Protection Circuit.
18	Reference Electrode	:	3 Nos. Cu/CuSO₄ Facility shall also be provided to select one out of three ref. by means of a manually operated Reference Selector switch.
19	Control element	:	The DC output will be controlled using latest solid-state SCRs. These SCRs will be controlled by the commands from the control circuits. All the electronic circuits will be assembled on plug-in type control cards.
20	Modes of operation	:	Following modes of control shall be provided:
			a) Auto Ref. Mode:
			The operation of the unit in this mode will be fully Automatic and will be controlled by the Reference electrode feedback. The unit will automatically maintain Reference voltage or P.S.P. within $\pm 15\text{mV}$ of the set value under all conditions.
			b) CVCC Mode:
			This will be the second mode of operation. In this mode the unit can be operated in either constant voltage or constant current mode.
			In constant voltage mode the DC output voltage will be adjustable from 0 to rated value in stepless manner by means of a voltage setter potentiometer.
			In constant current mode the DC output current will be adjustable from 0 to rated value in stepless manner by means of a current setter potentiometer.
			c) Manual mode This will be the third mode of operation. The control of DC output in this mode shall be without any electronic component. A separate Autotransformer with 24-step tap switch controller will be provided to control the DC output voltage from 0 to rated voltage in 24 symmetrical steps.
21	Ref. Fail safe Feature	:	In the event of failure of the Reference Electrode, the DC output voltage of the unit will get to a preset value. This preset voltage is adjustable from 0 to rated voltage.
22	Ref. (P.S.P.) voltage setting range in Auto Ref. Mode	:	-0.8V to -2.5V
23	Ref. Regulation in Auto Mode	:	Better than $\pm 15\text{mV}$

24	Voltage setting range in CVCC Mode	:	0 to 48V
25	DC Voltage regulation in CVCC (Manual) mode	:	Better than $\pm 0.25V$
26	Current setting range in Auto Mode & CVCC Mode	:	0 to 25A
27	Current regulation in current limit mode	:	Better than $\pm 0.5A$
28	Indications / Annunciations	:	a) Mains ON
			b) Unit in Auto Ref. Mode
			c) Unit in CVCC Mode
			d) Under protection
			e) Overprotection
			f) Reference fail
			g) Current Limit
29	Meters / Instruments	:	3½ Digit, digital meters for following: - AC Voltage: 0 to 300V AC - AC Current: 0 to 25A AC - DC Voltage: 0 to 60V DC - DC Current: 0 to 60A DC with 75mV Ext. Shunt - P.S.P. : 0 to $\pm 19.99V$ DC with selector switch.
30	Current Interruption	:	Current interruption facility will be provided by means of a built-in contactor & Multi Functional Digital Timer. 0.1 sec to 999 Hr. ON Time & OFF time setting facility by digital keypad. Timer will have START, STOP facility thru local keypad. Timer ON-OFF switch will be provided
31	Cooling	:	Natural Air Cooled (AN).
32	Remote Monitoring	:	Following Analog Output signals provided for monitoring Isolated 4-20mA signals for: iv) DC output Voltage: 0 to 60 V DC v) DC output current: 0 to 60A with 75 mV Ext shunt vi) P.S.P. : 0 to - 4 V DC.
33	Enclosure/Construction	:	Floor mounted Outdoor type enclosure To be fabricated from 2.5 mm Steel sheet. Confirming to IP55 degree of protection. Lockable doors shall be provided in the front
34	Painting	:	Shot Blasting SA2.5 Zinc rich primer – 50micron DFT Epoxy Coat – 100 micron DFT. Polyurethane Coat- 50 micron DFT Light Grey as per 631 IS:5
35	Environment	:	Ambient Temp : 0 - 55°C Humidity : 95%RH Maximum
36	Earthing	:	2 Nos. 12mm earthing bolts will be provided.
37	Weight	:	300 Kg. Approx

Section C-CPTRU**(Type II)**

1	A.C. Input Voltage	:	240V \pm 10%, 1 Ph, 50 Hz, AC
2	A.C. Input Current	:	19.5A
3	D.C. Power Output	:	1200 Watt
4	Transformer	:	Type: Double wound isolation Over voltage capacity: 20% continuousKVA Rating: 4.63 KVA Class: Class B Dielectric Strength: 2.5 KV for one minute Efficiency: More than 95%, Regulation: 3 %
5	D.C. Output Voltage	:	0 to 48V
6	D.C. Output Current	:	0 to 25A
7	Factor of safety for Diodes/SCRs	:	Voltage - 300% factor of safety Current - 300% factor of safety
8	Full load efficiency of rectifier	:	More than 70%
9	Full Load Power Factor	:	Not Less than 0.8 lagging
10	Insulation Level	:	2 KV for 1 minute
11	Cable Entry	:	AC input, DC output, Reference Cells, from the box atthe bottom of the unit thru suitable cable glands.
12	Peak Inverse Voltage - Diode - SCR	:	1200V 1200V
13	Filtering circuit	:	L.C. Filter
14	Ripple & Hum	:	Less than 5% RMS at rated output
15	Surge Diverters for Diodes/SCRs	:	Metal oxide varistors/capacitors/R-C Networks
16	Lightning Arrestor	:	At both Input & output side of the T/R unit R.M.S. Voltage Rating: 500V R.M.S. Current Rating: 5KA Type: LT 0.5 or Eqv.
17	Protection	:	2 Pole MCB in AC input. HRC fuses in AC input. 2 Pole MCB in DC Output.

			Glass cartridge fuses in the live line auxiliary powerlines to control circuit. Fast acting Electronic Overcurrent limit & Short Ckt. Protection Circuit.
18	Reference Electrode	:	3 Nos. Cu/CuSO₄ Facility shall also be provided to select one out of three ref. by means of a manually operated Reference Selector switch.
19	Control element	:	The DC output will be controlled using latest solid-state SCRs. These SCRs will be controlled by the commands from the control circuits. All the electronic circuits will be assembled on plug-in type control cards.
20	Modes of operation	:	Following modes of control shall be provided:
			a) Auto Ref. Mode:
			The operation of the unit in this mode will be fully Automatic and will be controlled by the Reference electrode feedback. The unit will automatically maintain Reference voltage or P.S.P. within $\pm 15\text{mV}$ of the set value under all conditions.
			b) CVCC Mode:
			This will be the second mode of operation. In this mode the unit can be operated in either constant voltage or constant current mode.
			In constant voltage mode the DC output voltage will be adjustable from 0 to rated value in stepless manner by means of a voltage setter potentiometer.
			In constant current mode the DC output current will be adjustable from 0 to rated value in stepless manner by means of a current setter potentiometer.
			c) Manual mode This will be the third mode of operation. The control of DC output in this mode shall be without any electronic component. A separate Autotransformer with 24-step tap switch controller will be provided to control the DC output voltage from 0 to rated voltage in 24 symmetrical steps.
21	Ref. Fail safe Feature	:	In the event of failure of the Reference Electrode, the DC output voltage of the unit will get to a preset value. This preset voltage is adjustable from 0 to rated voltage.
22	Ref. (P.S.P.) voltage setting range in Auto Ref. Mode	:	-0.8V to -2.5V
23	Ref. Regulation in Auto Mode	:	Better than $\pm 15\text{mV}$

24	Voltage setting range in CVCC Mode	:	0 to 48V
25	DC Voltage regulation in CVCC (Manual) mode	:	Better than $\pm 0.25V$
26	Current setting range in Auto Mode & CVCC Mode	:	0 to 25A
27	Current regulation in current limit mode	:	Better than $\pm 0.5A$
28	Indications / Annunciations	:	a) Mains ON
			b) Unit in Auto Ref. Mode
			c) Unit in CVCC Mode
			d) Under protection
			e) Overprotection
			f) Reference fail
			g) Current Limit
29	Meters / Instruments	:	3½ Digit, digital meters for following: - AC Voltage: 0 to 300V AC - AC Current: 0 to 25A AC - DC Voltage: 0 to 60V DC - DC Current: 0 to 60A DC with 75mV Ext. Shunt - P.S.P. : 0 to $\pm 19.99V$ DC with selector switch.
30	Current Interruption	:	Current interruption facility will be provided by means of a built-in contactor & Multi Functional Digital Timer. 0.1 sec to 999 Hr. ON Time & OFF time setting facility by digital keypad. Timer will have START, STOP facility thru local keypad. Timer ON-OFF switch will be provided
31	Cooling	:	Natural Air Cooled (AN).
32	Remote Monitoring	:	Following Analog Output signals provided for monitoring. Isolated 4-20mA signals for: vii) DC output Voltage: 0 to 60 V DC viii) DC output current: 0 to 75mV (60A) ix) P.S.P. : 0 to - 4 V DC.
33	Enclosure/Construction	:	Floor mounted Outdoor type enclosure To be fabricated from 2.5 mm Steel sheet. Confirming to IP66 degree of protection. Lockable doors shall be provided in the front
34	Painting	:	Shot Blasting SA2.5 Zinc rich primer – 50micron DFT Epoxy Coat – 100 micron DFT. Polyurethane Coat- 50 micron DFT Light Grey as per 631 IS:5
35	Environment	:	Ambient Temp : 0 - 55°C Humidity : 95%RH Maximum
36	Earthing	:	2 Nos. 12mm earthing bolts will be provided.
37	Weight	:	300 Kg. Approx

Test Certificates and Drawings

Following routine tests shall be done by manufacturer as per any approved international codes.

- a) Efficiency test of Transformer Rectifier Assembly at 25%, 50%, 75% and 100% rated current. Efficiency test of transformer alone after isolating rectifier at 100% rated current.
- b) Heat run test for max. temp. rise test of winding at 100% rated current after continuous operation of 48 hours (min.)
- c) Ratio and polarity test at 25%, 50%, 75% and 100% rated for all T/ R units
- d) Insulation resistance test at 2 KV between Primary and Secondary, Primary and earth, secondary and earth for all T/ R units.
- e) The electronic current control feature of T/ R unit to be tested by varying supply voltage 25% and changing load resistance 100%.
- f) Calibration tests of Ammeters & Voltmeters of all T/ R units

The following drawings of CPTRU shall be furnished by the concerned contractor: -

- a) Fabrication drawings and data sheet of T/ R unit with all dimensions, ratings and weight in final issue, including installation/ foundation arrangement details.
- b) Front view and typical section of T/ R unit panel with arrangement of equipment, control, protection and metering.
- c) Data sheet of all accessories and circuit element of T/ R unit including ratings.

Supply and Installation of Remote Monitoring of Pipe to Soil Potential through GSM Service Band

Specification for Remote Monitoring of PSP through GSM Service Band. The software is required for GSM based Data Loggers for Remote Monitoring of CP TRU and GSM based CTSU Data Loggers for Remote Monitoring of PSP data from CP Test Stations are to be provided and installed in computers (Provision of providing personal computer for loading software is in the scope of OIL)

Make: Kristron Systems; BSS technologies; Matcor India or Approved Equivalent

GSM based Data Loggers for Remote Monitoring of CP TR unit.

Item	:	Microcontroller based Digital Data Logger with Remote Data Transmission Facility through SMS using GSM Mobile Phone Network.
Specifications	:	<p>1.Five Nos. Analog Channels for Monitoring of</p> <ol style="list-style-type: none"> PSP DC O/P Voltage DC O/P Current AC or DC supply Voltage AC supply Time Totalizer
		<p>2.Four Nos. Alarm Channels for Monitoring of following faults</p> <ol style="list-style-type: none"> Under protection Overprotection Reference Fail AC Supply Fail T/R door open (For un-authorized access & theft monitoring)
		3. Built-in 16 Ch X 2 Lines LCD display with Real Time Clock.
		4. Continuous Automatic scanning & display of all the analog signals on the built-in LCD display.
		5. 2GB Internal non-volatile Memory storage to store data broadcast readings. Up to One Million total readings can be stored locally.
		6. Local Data retention up to 10 years even in absence of power.
		7. Data broadcast time programmable from in minutes, hours, day
		8. Data will be transmitted over GSM network using SMS as per the programmed broadcast interval. A single SMS will contain data from all the 3 Nos. Analog & 4 Nos. Alarm channels. Data can be transmitted to up to 4 different mobile nos. simultaneously.
		9. Alarm information automatically transmitted instantaneously without waiting for the next scheduled Data Broadcast.
		10. Receiving Mobile numbers at remote end programmable through SMS
		11. Built-in Battery Back-up for up to 2 weeks of un-interrupted operation including GSM SMS transmission, in the event of failure of AC supply.
		<p>12. Compact size. Can be easily installed in the existing C.P. T/R units</p> <p>Dimensions: 125mm X 150mm X 100mm (Approx.)</p>

	13. Optional GSM interface Module and “Remote Data” PC Software for automatically downloading the Data received through SMS into a Master PC at remote end. This Module can handle SMS data from up to 50 Field Data loggers i.e. it can be used for monitoring up to 50 CP stations/test points from the Central PC.
	14. 230V AC or 12V DC power supply

GSM based CTSU Data Loggers for Remote Monitoring of PSP data from CP Test Stations

Item	:	Microcontroller based Digital CTSU Data Logger for monitoring of PSP & Pipe current from CP test stations with Remote Data Transmission Facility through SMS using GSM Mobile Phone Network.
Specifications	:	<p>1. 4 Nos. High accuracy, High Input Impedance, 16-bit resolution Input channels with high common mode rejection ratio (CMRR), as under: CH-1: -4V to +4V DC (for DC PSP) CH-2: 0V to 50 V AC (for PSP AC Interference Monitoring) CH-3: 0A to 100 A DC (for Pipeline Current Monitoring) CH-4: Battery Level (for Internal Battery Status Monitoring)</p> <p>The typical accuracy of each channel is + 1.0% of F.S. + 1 digit</p>
		2. Reference Electrode: Cu/CuSO ₄ or Zinc
		3. Built-in 16 Ch X 2 Line LCD display.
		4. Display of the P.S.P. & Current reading on the built-in LCD display.
		5. Internal non volatile Memory storage to store about 250,000 readings per channel locally i.e. total of 1 Million readings for all four channels. Local Data retention up to 10 years even in absence of power. Locally stored data can be easily downloaded into a Laptop reader.
		6. Data broadcast time programmable from in hours & day
		7. Data will be transmitted over GSM network using SMS as per the programmed broadcast interval. Every SMS will have time stamp indicating Time & Date of the reading. Data can be sent to Central Monitoring station & an additional mobile phone simultaneously.
		8. Receiving Mobile numbers at remote end can be programmed as desired.
		9. Compact size. Can be easily installed in the standard C.P. Test stations. Dimensions: 125mm X 125mm X 75mm (Approx)
		10. Power Supply: 6V Internal Lithium rechargeable Battery. Logger is capable of functioning for about One Year at the logging & data broadcast rate of one SMS per day on the

		Internal Battery, without any need of changing/re-charging the battery.
		11. GSM interface Module and “Remote Data” PC Software for automatically downloading the Data received through SMS into a Master PC at remote end. This Module can handle SMS data from up to 50 Field Data loggers i.e. it can be used for monitoring up to 50 CP stations/test points from the Central PC.

Close Interval Potential Logging Survey

Contractor shall carry out a close interval potential survey over the entire length of pipeline by computerised potential logging method and identify suspected holiday spots on the pipeline coating, under protected/overprotected areas after the back filling has been consolidated sufficiently and CP system has stabilized. Contractor shall identify the necessary pipe coating required to be repaired. Detailed procedures for running this survey shall be submitted for approval. During survey, the reference cell shall be calibrated minimum once in 24 hours. The close interval potential logging survey shall be carried out at approximately 0.75m intervals & both “ON & “OFF” potentials shall be measured by operating the current interrupters of TR unit during survey.

Permanent Reference Electrode

Type	Cu-CuSO ₄ .
Application	Direct Buried.
Sensing Membrane	Hand thrown pot material buff stoneware clay.
Electrolyte	Copper sulphate crystal (CuSO ₄)99% min purity saturated.
Copper Conductor Size	High conductivity hard drawn 100 sq.mm copper wire.
Dimensions	40mm Diameter x 250 mm Long.
Back fill enclosure	200mm Diameter x 500 mm Long Cotton bag
Back fill material	75% Gypsum+ 20% Bentonite+05% Sodium Sulphate
Make	Mc Miller Or Borin or Approved Equivalent

Polarisation Coupon

Polarisation coupon of pipeline material shall be provided along the pipeline to monitor the CP system performance. Coupon shall be installed at Cathodic Protection station, at marshy areas, at vulnerable locations, at foreign pipeline crossings, Interference prone areas. Coupons shall be installed at the bottom of the pipeline. The coupons shall be same as the pipeline material with uncoated exposed area to the soil. Two cables, one connection for pipeline & other for potential measurement shall be provided with each coupon. Reed-

Switch shall be connected to the protection cable to measure the coupon “OFF” potential. A permanent reference shall be provided at the location of coupon to enable the measurement of PSP. Pipe piece required for polarisation coupon shall be provided by OIL. The permanent reference cell required for installation of polarisation coupon shall be accordingly included against line items for supply and installation of polarisation coupon.

Civil works

All civil works as per enclosed specifications associated with the complete cathodic protection system are included in scope of contractor. This shall include providing cable trenches and foundations for all equipment, outdoor Transformer Rectifier units, Anode Lead Junction Boxes, all test stations, polarisation cells, etc.

Inspection, Packing and Transport

The minimum testing, inspection requirements for all components/equipment shall conform to requirement as defined in the relevant codes and standards. Detailed inspection and testing procedures along with the acceptance criteria shall be prepared by contractor for user’s approval. Test certificates including test records, performance curves etc. shall be furnished with sufficient information to identify the equipment to which the certificate referred and must carry project title, user’s name and purchase order details etc. User reserves the right to ask for inspection of all or any item under the contract and witness all tests and carryout inspection or authorise his representative to witness tests and carryout inspection. Contractor shall notify the User/ User’s representative at least 20 days in advance giving exact details of tests, dates and addresses of locations where the tests would be carried out. All equipment/material shall be protected for inland/marine, transport, carriage at site and outdoor storage during transit and at site. All packages shall be clearly, legibly and durably marked with uniform block letters giving the relevant equipment/material details. Each package shall contain a packing list in a waterproof envelope. Copies of the packing list, in triplicate, shall be forwarded to user prior to despatch. All items of material shall be clearly marked for easy identification against the packing list.

Field Testing and Commissioning**System Testing**

The concerned contractor shall supervise pre-commissioning operations after installation of the system including pre-commissioning checks, calibration and setting of all instruments, control and protective devices. All site tests, reliability and performance tests shall be carried out including supply of all materials and consumables. Before the electrical facilities are placed in operation, vendor shall supervise suitable tests to establish to the satisfaction of

the Engineer in-charge that all equipment, devices wiring and connections have been correctly installed and are in good working conditions. All the test results shall be filled in the proforma to be developed by the contractor and subsequently approved by the Engineer-in charge. The proforma shall be jointly signed by the Engineer-in charge and concerned contractor.

Generally, the following tests shall be carried out -

Checking: - Visual inspection, comparison with drawings and specifications.

Inspection: - Detailed physical inspection and if necessary, by taking stagewise inspection of component parts.

Testing: - Simultaneous tests and trial runs of entire equipment to determine its operational fitness.

Installation: This shall involve checking the completeness of civil and mechanical aspects and correctness of alignment.

The following proformas shall be filled-

a) Cables

- Cable no.
- Voltage grade.
- Conductor cross section
- Continuity check
- Voltage test
- Insulation resistance values between each core & earth, between cores.
- All cables shall be tested by 500V megger.

b) Polarisation coupons

- Location
- Exposed area/size of coupon
- Coupon to soil "ON" & "OFF" potential
- Type of reference cell
- Magnetic reed switch rating & its operation with magnet

c) Reference Cell

- Location
- Potential reading
- Type of cell
- Installed Location

d) Insulating Joint

- Insulation resistance across the joint shall be checked before and after charging the pipeline by means of insulating joint tester. Pipe to soil potential of both protected and non-protected sides of the insulating joint shall be checked before and after energisation of CP system.

e) Surge Diverter

- Location / identification number
- Rating
- Check for healthiness

f) Polarisation cell

- Location / Identification number
- Rating
- Check for electrolyte
- Check for wiring
- Check standby current drain after CP system energisation.
(Current drain with respect to voltage across the cell shall be recorded).
- Details of grounding provided for the polarisation cell.

g) Anode Ground Bed

- Location / Station
- Check for actual layout and compliance with drawings
- Resistance of each individual anode
- Current dissipation by each individual anode with respect to anode voltage
- Total resistance of complete anode bed
- Mutual interference

h) Grounding cell

- Location
- Type / no. of anodes
- Ratings

i) CTSU (Computerised test station unit)

- Location / Identification number
- Check for wiring
- Checking programmed interval for collection of the field data by the computer
- Type of reference cell

j) Transformer Rectifier Unit CPTRU and Anode Ground Bed

- Location/Station
- Check Type & Rating
- Insulation resistance primary to earth, secondary to earth & primary to secondary
- Polarity Check
- Equipment Earthing
- Check input & output parameters
- Checking of all instruments, meters etc
- Checking of auto PSP/manual
- Check the location/Station
- Check for its actual layout and compliance with drawings
- Resistance of each individual anode

- Current dissipation by each individual anode
- Total resistance of complete anode ground bed

Cathodic Protection Commissioning Procedures

The following commissioning procedure is applicable for each electrically continuous section of a pipeline. Each electrically continuous section can be commissioned separately.

1. On complete installation of anode beds and other systems as envisaged in this project, they shall be individually checked, tested, and compared against the agreed specifications and procedure.
2. Current dissipated by each anode shall be corrected through anode lead junction box.
3. Electrical continuity of the entire pipeline shall be verified in conformity with design
4. Equipment which is protected with CP system shall not be earthed to avoid drawing of CP system current.
5. Equipment which is not protected by CP system shall be earthed. This shall be carried out with proper care in case of instruments provided at the valve stations / IP stations and metering stations.
6. Temporary protection facilities provided (if any) which do not form part of permanent CP shall be disconnected from the system & removed unless agreed otherwise.
7. The pipeline shall be allowed to depolarize for at least 72 hours after switching 'OFF' the protection (if any) of all other pipelines in the common ROW.
8. Before the pipelines are put on charge by switching 'ON' any of the CP stations, natural Structure-to-Electrolyte potential values at all the Computerized Test Stations of the system shall be measured with respect to Copper/Copper Sulphate half-cell.
9. CP station No. 1 shall be energized so as to achieve a maximum pipe to soil potential (PSP) as specified at the test station nearest to the drainage point, and observations on either spread of protected portion of pipeline under this CP station shall be taken for PSP values at each of the installed Computerized Test Stations.
10. CP station No. 1 shall now be switched 'OFF' and CP station No. 2 shall be switched 'ON' and measurement procedure as adopted in above steps shall be repeated.
11. All the CP stations of the system shall be switched 'OFF' and the pipelines shall be allowed to depolarize. All the CP stations in the system shall then be simultaneously switched 'ON' and PSP values at the drainage points of pipeline shall be brought to a value of maximum PSP as specified, and a complete set of PSP observations shall be taken. Another complete set of PSP observations shall be taken after lines have stayed on charge for 48 hours. If there are appreciable differences in these observations as compared to those of earlier set, a third set of observations shall be taken after 72 hrs. Maximum drainage point protective potentials shall not be allowed to go beyond the maximum PSP values as specified, in any case.

12. The output of all CP stations shall then be so adjusted that the sites of occurrence of least negative protective potentials are not less than (-) 0.95 V "OFF" or not more than negative than (-) 1.20 V "OFF". A full set of observations shall again be taken 72 hrs. After the adjustment of potentials and the protection system shall be left in this state of operation.
13. Care shall be exercised to ensure that power supply remains uninterrupted during the period of commissioning. In case of an interruption, the test in progress shall be repeated after allowing time for polarization.
14. PSP values at each of the Test Stations of the existing pipelines shall be measured and plotted where existing pipelines run in parallel to the new pipeline and mutual interference situations between the pipelines shall be identified and necessary mitigation shall be carried out. Interference situations shall also be identified and mitigated by comparing different sets of readings taken at same Computerized Test Stations at different intervals of time under identical conditions where positive potential swing exceeds 50 mV.
15. Where computerized test station (if any) are provided the computer shall be initialized / started to collect and store the field data of potentials, current readings.
16. Final records of testing and commissioning including graphical representation of final structure to electrolyte potential readings shall be compiled with interpretation in consultation with user/user's representative and submitted.
17. As a result of these tests, if any deficiencies are found in the system, the same shall be rectified by the contractor at no extra cost or time effect, to the complete satisfaction of user/user's representative. Such deficiencies shall include mitigation of interference problems that may be found existing in the course of testing and commissioning. A set of PSP observations shall also be taken during the peak of the first dry season after commissioning the system into regular operation. Any deficiency found in the protection of the pipeline shall have to be rectified by the contractor at his own cost.
18. If it is found during commissioning that the sites of occurrence of least negative protective potentials are less negative than (-) 1.00 V even after 72 hrs. of operation, then the drainage point potentials shall be increased depending upon anode ground bed currents in consultation with user/user's representative. In any case, the drainage point protective 'OFF' potential shall not exceed a value more negative than (-) 1.2 V at any location on the pipeline.
19. The reference cell shall be calibrated minimum once in 24 hours during the commissioning.
20. The current dissipated by individual anodes shall be measured from the anode lead junction box and corrected for equal dissipation to the extent possible keeping the total ground bed current same.
21. After connecting all anode ground beds to pipeline PSP shall be taken at each test station locations to ensure the protection criteria.

Shed for TRU and Fencing around TRU

Tentative shed dimension shall be as per the following: Length X Breadth X Height (10 ft X10 ft X10 ft approx.). Brick soling works, PCC and RCC works, 4" dia steel pipe post and grouting of these posts, fencing (XPM) around and required CGI sheet for roof shall be considered. Also, provision for cable entry through PVC pipe shall be considered in the construction design.

Portable Cu/CuSO₄ reference cell

Make: Mc-Miller (USA)/Borin or Approved Equivalent.

Vendor List for Cathodic Protection Materials

Sl no.	Items	Vendor
1	Polarisation cell in CP station (KOH polarisation cell)	M/s Kirk USA/M/s Vijay Corrosion or Approved Equivalent.
2	Grounding cell	M/s Sukrit, Mumbai or Approved Equivalent.
3	Cables	Havells Ltd/Brook Cables/Nicco Corporation Ltd/Universal cables/NETCO Cables Pvt Ltd or Approved Equivalent.
4	Surge diverter	M/s Dehn/M/s OBO/M/s Sohne or Approved Equivalent.

Quality Assurance Plan (QAP)

QAP shall be submitted for each of the equipment separately with break-up of assembly/sub-assembly & part/component or for group of equipment having same specification.

The Quality Assurance Plan as indicated below shall be submitted by the concerned contractor for approval by OIL's representative.

QUALITY ASSURANCE PLAN						
Sl. No.	Description (with equipment heading, place of use, and brief specification)	Weight in tonnes	Inspection and Tests	Test certificates and documents to be submitted to OIL (duly certified by manufacturer and contractor)	Acceptance Criteria Standards /IS/ BS/ASME/ Norms and Documents	Remarks
1	CP Cables (1C x 6 Sq. mm, 1C x 10 Sq. mm, 1C x 25 Sq. mm, 1C x 35 Sq. mm, 3C x 10 Sq. mm)		1. Visual 2. Dimensional	1. Approved datasheet. 2. Approved bill of materials. 3. Calibration certificate of all measuring instruments and gauges. 4. Test certificate for components 5. Type test as per relevant IS/other standards.	Approved datasheet and specification.	

2	TRU Unit		1. Visual 2. Dimensional 3. Fitment and Alignment 4. Routine test as per relevant IS/other standard. 5. Heat run risc test/tempr. 6. Paint check verification and thickness check 7. Short time rating 8. Operational and functional check. 9. Clearance and creepage distance.	1. Approved GA drawings. 2. Approved Single line/Schematic diagram. 3. Approved datasheet. 4. Approved bill of materials. 5. Calibration certificate of all measuring instruments and gauges. 6. Test certificates for components 7. Routine test as per relevant IS/Other standard 8. Type test as per relevant IS/Other standard.	Approved datasheet and specification.	
3	MMO Anodes		1. Visual. 2. Dimensional. 3. Physical test (sample). 4. Material test. 5. Contact resistance anode to cable joint.	1. Approved GA drawings. 2. Approved datasheet. 3. Approved bill of materials. 4. Calibration certificate of all measuring instruments and gauges. 5. Test certificates for components 6. Type test as per relevant IS/Other standard.	Approved datasheet and specification.	

4	Polarization Cell (Solid State)		1. Visual 2. Dimensional 3. Material test 4. Routine test as per relevant IS/other standard.	Manufacturers test certificates and compliance report.	Approved datasheet and specification.	
6	CTSU (Computerised Test Station Unit), Central Monitoring server & CTSU Reader)		1. Visual 2. Dimensional 3. Fitment and Alignment 4. Routine test as per relevant IS/Other standard 5. Paint shade verification and thickness check. 6. Operational and functional check 7. Material test.	1. Approved GA drawings. 2. Approved datasheet. 3. Approved bill of materials. 4. Calibration certificate of all measuring instruments and gauges. 5. Test certificates for components 6. Routine test as per relevant IS/Other standard. 7. Type test as per relevant IS/Other standard.	Approved datasheet and specification.	
7	Anode Junction Box & Cathode Junction Box		1. Visual. 2. Dimensional. 3. Fitment & Alignment. 4. Physical test (sample). 5. Paint shade verification and thickness check. 6. Material test. 7. Enclosure Protection test. 8. Material test. 9. Test station connection scheme check, nameplate and	1. Approved GA drawings. 2. Approved datasheet. 3. Approved bill of materials. 4. Calibration certificate of all measuring instruments and gauges. 5. Test certificates for components 6. Routine test as per	Approved datasheet and specification.	

			terminal check.	relevant IS/Other standard. 7. Type test as per relevant IS/Other standard.		
8	Permanent Reference Cell		1. Visual. 2. Dimensional. 3. Material test.	Manufacturer test certificates and compliance report.	Approved datasheet and specification.	
9	Test Stations (Big & Small Type)		1. Visual. 2. Dimensional. 3. Fitment and Alignment. 4. Physical test (sample). 5. Paint shade verification and thickness check. 6. Material test. 7. Test station connection scheme check. Name plate and terminal check.	1. Approved GA drawings. 2. Approved Single line/Schematic diagram. 3. Approved datasheet. 4. Approved bill of materials. 5. Calibration certificate of all measuring instruments and gauges. 6. Test certificates for components. 7. Type test as per relevant IS/Other standard.	Approved datasheet and specification.	
10	Sacrificial Zn Anodes		1. Visual. 2. Dimensional. 3. Chemical test (sample). 4. Physical test (sample). 5. Coating Thickness,	1. Approved GA drawings. 2. Approved datasheet. 3. Approved bill of materials.	Approved datasheet and specification.	On 1% of total no. of anodes.

			Resistivity and Consumption rate. 6. Destructive testing.	4. Calibration certificate of all measuring instruments and gauges. 5. Test certificates for components 6. Type test as per relevant IS/Other standard.		
11	Spark Gap Arrestor (100 kA)		1. Visual. 2. Dimensional. 3. Routine test as per relevant IS/other standard. 4. Material test.	Manufacturer test certificate and compliance report.	Approved datasheet and specification.	

LIST OF CROSSINGS**Section A**

Details of Crossings (CGGS TO LPG Off-Take point Industrial area)					
Sl no.	Particulars	Bank to bank width (metres)	Remarks		
			Location	Cased crossing	
1	Inside CGGS	12	CGGS-Madhuban	Yes	
2	Madhuban Duliajan Pucca Road boring	20	Madhuban	Yes	
3	Madhuban tea garden road open-cut	11.9	Tea garden-Madhuban	No	
4	Bijlibari boring	23	Bijlibari	Yes	
5	Duliajan Nallah open cut	36.93	Near tea garden	No	
6	Railway boring	49	Near Dirial market	Yes	
7	Gojal bosti gravel road boring	15.75	Near Dirial market	Yes	
8	Old Dirial playground field road open-cut	10	Near Dirial market	No	
9	Old Dirial tea estate gravel road open-cut	10	Near Dirial market	No	
10	Old Dirial tea estate pucca road open-cut	12.6	Near Dirial market	Yes	

11	Old Dirial tea estate pucca road open-cut	12.5	Near Dirial market	Yes
12	Dibrugarh road boring	24.5	Dibrugarh-Duliajan Road	Yes
13	NKF Installation gravel road open-cut	10	Near NKF Installation	Yes
14	Duliagaon road	10	Near NKF Installation	Yes
15	Railway boring (near LPG plant)	49	Near LPG plant	Yes

Section B

Details of Crossings (6" NB Crude Oil despatch pipeline from MKJ WHS to MFK WHS)			
Sl.no	Description	Chainage (approx KM)	Remarks
1	Start point "Launcher Scrapper Trap (inside MFJ)"	0.0 KM	Proposed tentative GPS corodinate:27°11'14.24"N & 94°48'44.10"E. IDBH will be placed inside the plinth of MFJ
2	Proposed COD pipeline track outside MFJ boundary wall	0.18 KM	
3	Paddy field area	0.18 to 0.47km	
4	Water body Crossing	0.47 KM	Approx. 10 m width of stream/nallah crossing with open submersed crossing method
5	Paddy field area	0.48 to 1.54 KM	
6	PWD Asphalted Road	1.54 KM	Approx. 15 m Cased crossing by boring method
7	Paddy field area	1.555 to 2.55 KM	
8	PWD Asphalted Road	2.55 KM	Approx. 15 m Cased crossing by boring method
9	Paddy field area	2.565 to 3.24 KM	
10	Irrigation channel with earthen embankment u/s end	3.24 KM	Approx. 25 m Cased crossing by boring method
11	Paddy field area, also at chainage 4.310KM 1 st option for proposed indirect heater site	3.265 to 4.33 KM	IDBH Proposed location tentative GPS coordinate:27°09'42.68"N & 94°48'40.92"E RoW will be used to place the IDBH

12	PWD Asphalted Road	4.33 KM	Approx. 12 m Cased crossing by boring method
13	Paddy field area	4.342 to 4.91KM	
14	Water body Crossing	4.91 KM	Approx. 10 m width of stream/nallah crossing with open submersed crossing method
15	Paddy field area	4.92 to 5.31 KM	
16	PWD Asphalted Road	5.31 KM	Approx. 15 m Cased crossing by boring method
17	Paddy field area, also at chainage 5.760 KM 2nd option for proposed indirect heater site	5.325 to 5.78 KM	IH Proposed location tentative GPS coordinate:27°09'22.05"N & 94°47'54.60" E. RoW will be used to place the IDBH
18	PWD Asphalted Road	5.78 KM	Approx. 15 m Cased crossing by boring method
19	Paddy field area	5.795 to 6.27 KM	
20	Tea garden	6.27 to 6.54 KM	High land area
21	Tea garden gravel/katcha road	6.54 KM	Hard trenching normal crossing of 10 m width
22	Paddy field with a small 3 m katcha walkway	6.55 to 7.02 KM	Low land area
23	Tea garden	7.02 to 7.11 KM	High land area
24	Tea garden katcha road	7.11 KM	Approx. 8 m Cased crossing by open cut method
25	Tea garden	7.118 to 7.34 KM	High land area
26	Paddy field, including water body	7.34 to 7.61 KM	Low land area, approx. 20 stream/nallah diagonal crossing by open cut submersed method.
27	Tea garden	7.61 to 7.83 KM	High land area
28	Tea garden road	7.83 KM	Approx. 15 m Cased crossing by boring method
29	Tea garden	7.845 to 8.21 KM	High land area
30	Paddy field area	8.21 to 8.22 KM	Low land area
31	Tea garden katch/gravel road	8.22 KM	Approx. 12 m Cased crossing by open cut method
32	Tea garden	8.232 to 8.86 KM	High land area
33	Low land consisting of small nallahs	8.86 to 8.90 KM	Normal open cut trenching

34	Tea garden	8.90 to 9.08 KM	High land area
35	Tea garden katch/ gravel road	9.08 KM	Approx. 12 m Cased crossing by open cut method
36	MFK boundary entry point	9.095 KM	
37	Proposed 8"OD branch point for MFK (inside installation)	9.105 KM	Proposed branch line will connect to MFK's tank inlet manifold.
38	Tea garden	9.14 to 9.3 KM	Outside present MFK boundary area
39	End point "Receiver Scrapper Trap at MFK"	9.3 KM	Proposed tentative GPS corodinate:27°08'26.89"N & 94°46'24.87"E

Details of crossings (8" NB Crude oil pipeline from MFK WHS to Moran OCS)			
Sl.no	Description	Chainage (Approx KM)	Remarks
1	Start point "Launcher Scrapper Trap (from MFK WHS)"	0.0 KM	Proposed tentative GPS corodinate:27°08'26.46"N & 94°46'24.37"E . IDBH will be placed inside the plinth of MFK
2	Paddy field area	0.01 to 0.19 KM	Low land area
3	Tea garden area	0.19 to 0.44 KM	
4	Paddy field area	0.44 to 0.69 KM	
5	PWD Asphalted Road	0.69 KM	Approx. 12 m Cased crossing by boring method
6	Paddy field area	0.702 to 0.87 KM	
7	Tea garden area	0.87 to 1.26 KM	
8	Paddy field area	1.26 to 1.29 KM	
9	Village katcha walkway	1.29 KM	3 m width normal trench crossing
10	Paddy field area	1.29 to 1.33 KM	
11	Village katcha walkway	1.33 KM	3 m width normal trench crossing
12	Paddy field area	1.33 to 1.51 KM	
13	Tea garden area	1.51 to 1.65 KM	

14	PWD Asphalted Road	1.65 KM	Approx. 10 m Cased crossing by boring method
15	Tea garden area	1.66 to 1.88 KM	
16	Paddy field area	1.88 to 1.99 KM	
17	NH Bypass Asphalted Road	1.99 KM	Approx. 50 m Cased crossing by boring method
18	Paddy field area	2.0 to 2.12 KM	
19	Tea garden area	2.12 to 2.24 KM	
20	Paddy field area	2.24 to 2.43 KM	
21	Tea garden area	2.43 to 2.47 KM	
22	Katcha gravel road	2.47 KM	Approx. 12 m Cased crossing by open cut method
23	Tea garden area	2.482 to 2.7 KM	
24	Paddy field area	2.7 to 2.75 KM	Low land area
25	Tea garden	2.75 to 2.83 KM	High land area
26	Paddy field area	2.83 to 3.01 KM	Low land area
27	Tea garden	3.01 to 3.13 KM	High land area
28	Tea garden road	3.13 KM	Approx. 10 m Cased crossing by open cut method
29	Tea garden	3.14 to 3.33 KM	High land area
30	Tea garden	3.33 to 3.56 KM	Low land area
31	Tea garden road	3.56 KM	Approx. 10 m Cased crossing by open cut method
32	Tea garden	3.57 to 3.73 KM	High land area
33	Tea garden road	3.73KM	Approx. 12 m Cased crossing by open cut method
34	Tea garden	3.742 to 3.95 KM	
35	Tea garden road	3.95 KM	Approx. 10 m Cased crossing by open cut method
36	Tea garden	3.96 to 4.17 KM	
37	Tea garden road	4.17 KM	Approx. 10 m Cased crossing by open cut method
38	Tea garden	4.18 to 4.40 KM	

39	Tea garden road	4.40 KM	Approx. 10 m Cased crossing by boring method
40	Tea garden	4.41 to 4.83 KM	
41	Tea garden road	4.83 KM	Approx. 10 m Cased crossing by boring method
42	Tea garden	4.84 to 5.06 KM	
43	Tea garden road	5.06 KM	Approx. 10 m Cased crossing by boring method
44	Tea garden	5.07 to 5.46 KM	
45	Water body crossing	5.46 KM	Approx. 12 m width of stream/nallah crossing with open submersed crossing method
46	Tea garden area	5.46 to 5.98 KM	
47	Tea garden road	5.98 KM	Approx. 10 m Cased crossing by boring method
48	Tea garden area	5.98 to 6.29 KM	
49	Paddy field area	6.29 to 6.65 KM	Low land area
50	Tea garden area	6.65 to 7.04 KM	
51	PWD Asphalted Road	7.04 KM	Approx. 12 m Cased crossing by boring method
52	Entering OIL's well plinth#109 area	7.052 KM	Well plinth#109 boundary demarcation. M/s SECON will do ROW acquisition upto this plinth.
53	Provision for Indirect Heat connection	7.23 KM	PLACEMENT OF NEW IDBH AT MRN109.
54	Exit point of well plinth 109	7.28 KM	From this well plinth, the proposed COD PL will follow the flowline route of well 109 to Moran OCS.
55	Paddy field area	7.28 to 7.66 KM	
56	Proposed COD line will follow Railway reservation land	7.66 to 9.94 KM	Laying permission will be required from Railway.
57	Railway crossing	9.94 KM	Approx. 60 m Cased crossing by boring method. *Proposed tentative GPS corodinate:27°06'30.00"N & 94°49'16.36"E

58	Paddy field area	9.99 to 10.27 KM	
59	PWD Asphalted Road	10.27 KM	Approx. 12 m Cased crossing by boring method
60	Paddy field area	10.27 to 11.02KM	
61	PWD Asphalted Road	11.02 KM	Approx. 10 m Cased crossing by boring method
62	Proposed COD PL will follow OIL's Mainline ROW to Moran OCS	11.03 to 22 KM	Permission from PLS dept will be required (In Progress). Procurement of land for PLACEMENT OF NEW IDBH after crossing the ANUPAM TEA FACTORY & Railway Line/Track.
The following are the crossing points falling under OIL's mainline ROW in between proposed PL chainage 11.03 KM to 22 KM			
63	PWD Asphalted Road	11.16 KM	Approx. 12 m Cased crossing by boring method
64	PWD Asphalted Road	11.44 KM	Approx. 15 m Cased crossing by boring method
65	Water body crossing	12.33 KM	Approx. 10 m width of stream/nallah crossing with open submersed crossing method
66	Water body crossing	14.02 KM	Approx. 15 m width of stream/nallah crossing with open submersed crossing method
67	Road crossing	14.41 KM	Approx. 10 m Cased crossing by boring method
68	Water body crossing	15.93 KM	Approx. 15 m width of stream/nallah crossing with open submersed crossing method
69	PWD Asphalted Road	16.69 KM	Approx. 12 m Cased crossing by boring method
70	PWD Asphalted Road	16.7 KM	Approx. 15 m Cased crossing by boring method
71	Alignment is along OIL's Moran Industrial boundary wall	17.05 to 17.75KM	
72	Branch line provision for CTF	17.75 KM	Provision to deliver crude oil form MKJ & MKF to CTF. AFTER ENTERING THE MTF BOUNDARY WALL, DEVELOPMENT OF AREA & TRACK OF CODL BY CIVIL.
73	Road crossing	18.51 KM	Approx. 10 m Cased crossing by boring method

74	Road crossing	18.88 KM	Approx. 10 m Cased crossing by boring method
75	PWD Asphalted Road	19.80 KM	Approx. 15 m Cased crossing by boring method
76	PWD Asphalted Road	20.27 KM	Approx. 15 m Cased crossing by boring method
77	Entering Moran OCS wall	21.14 KM	
78	Asphalted road crossing inside OCS	21.16	Approx. 10 m Cased crossing by open cut method
79	End point "Receiver Scrapper Trap inside Moran OCS"	22 KM	Proposed tentative GPS corodinate:27°09'27.27"N & 94°55'47.85" E

Section C

Details of crossings (Kumchai-Kusijan Pipetrack)				
Sl No	Particulars	Pipeline Chainage in km	ROW/Bank to Bank Width(metres)	Remarks
1	Metalled Road	0.558	4.41	Located in Arunachal Pradesh
2	Nala	1.363	12.37	Located in Arunachal Pradesh
3	Jensthu River	2.59	36.4	Located in Arunachal Pradesh
4	Asphalted Road	3.018	7.32	Located in Arunachal Pradesh
5	Nala	3.395	7.43	Located in Arunachal Pradesh
6	Mudai Kha	4.526	11.26	Located in Arunachal Pradesh
7	Nala	4.685	11.4	Located in Arunachal Pradesh
8	Nala	5.331	19.7	Located in Arunachal Pradesh
9	Dumpai River	5.558	33.99	Located in Arunachal Pradesh
10	Nala	7.169	12.22	Located in Arunachal Pradesh
11	Noa Dhing River	8.494	602.95	Located in Arunachal Pradesh
12	Nala	10.277	6.09	Located in Arunachal Pradesh
13	Metalled Road	10.415	7.28	Located in Arunachal Pradesh
14	Metalled Road	13.64	8.29	Located in Arunachal Pradesh
15	Metalled Road	13.932	5.77	Located in Arunachal Pradesh
16	Nala	15.279	5.2	Located in Arunachal Pradesh

17	Metalled Road	15.288	7.36	Located in Arunachal Pradesh
18	NH-215	15.942	14.06	Located in Arunachal Pradesh
19	Nala	17.67	11.34	Located in Arunachal Pradesh
20	Nala	18.281	4.89	Located in Arunachal Pradesh
21	Metalled Road	18.328	5.15	Located in Arunachal Pradesh
22	Metalled Road	18.538	8.08	Located in Arunachal Pradesh
23	MDR	18.977	22.28	Located in Arunachal-Assam Border
24	Asphalted Road	20.679	12.6	Located in Assam
25	Doomdooma River	20.783	36.12	Located in Assam
26	Metalled Road	20.99	6.9	Located in Assam
27	Metalled Road	24.767	6.15	Located in Assam
28	Brick Road	28.485	7.32	Located in Assam
29	Asphalted Road	29.539	6.62	Located in Assam
30	Nala	30.834	6.25	Located in Assam
31	Dibrujan Nala	31.105	30.93	Located in Assam
32	Metalled Road	32.702	8.63	Located in Assam
33	Metalled Road	34.025	5.53	Located in Assam
34	Nala	34.447	7.16	Located in Assam
35	Metalled Road	34.675	10.18	Located in Assam
36	RCC Road	35.554	7.38	Located in Assam
37	Metalled Road	36.001	6.59	Located in Assam
38	MDR	36.211	7.85	Located in Assam
39	Nala	36.682	13.29	Located in Assam
40	Nala	38.352	9.11	Located in Assam
41	RCC Road	39.193	12.68	Located in Assam
42	Nala	39.743	6.5	Located in Assam
43	Metalled Road	43.883	7.85	Located in Assam
44	Metalled Road	43.909	7.35	Located in Assam
45	Nala	44.658	8.09	Located in Assam
46	MDR	47.163	19.51	Located in Assam
47	Asphalted Road	47.316	5.55	Located in Assam
48	Brick Road	48.017	7.3	Located in Assam
49	Asphalted Road	49.494	12.48	Located in Assam
50	Nala	50.326	10.94	Located in Assam
51	Asphalted Road	51.431	11.15	Located in Assam
52	Asphalted Road	52.777	14.71	Located in Assam
53	Nala	55.579	10.7	Located in Assam
54	Asphalted Road	55.59	5.22	Located in Assam
55	NH-38	55.66	22.69	Located in Assam
56	Railway	55.699	8.16	Located in Assam

57	Nala	56.263	7.04	Located in Assam
58	Asphalted Road	56.884	11.7	Located in Assam
59	Asphalted Road	58.626	12.96	Located in Assam
60	Asphalted Road	59.443	6.74	Located in Assam
61	Nala	59.971	5.62	Located in Assam
62	Metalled Road	60.367	5.66	Located in Assam
63	State Highway-24	60.8	17.72	Located in Assam

LIST OF MINIMUM EQUIPMENTS REQUIRED TO BE OWNED BY CONTRACTOR

(Annexure- A of PART-III SCC)

Sl. No.	Equipment Description	Quantity
1	Soil Resistivity meters	2 nos.
2	Holiday detector	3 nos.
3	Pipeline locator	3 nos.
4	Multimeter	3 nos.
5	Megger	3 nos.
6	Clamp meter	3 nos.
7	Pipe thickness meter	3 nos.
8	Data logger	2 nos.
9	Cu-CuSO4 portable reference electrode.	6 nos.

Note: Bidders are required to submit documentary evidence of ownership of the above equipment as indicated below:

- i. The bidder shall submit the certificate from chartered accountant (for 'ownership / possession' of equipment / vehicles) as per format F-1 enclosed in the Bid Document.
- ii. The submission of Format F-1 is mandatory.

END OF PART-III SCC

**To,
CGM-CONTRACTS (HoD)
OIL INDIA LIMITED
DULIAJAN-786602**

SUB: SAFETY MEASURES

Description of service: Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).

Sir,

We hereby confirm that we have fully understood the safety measures to be adopted during execution of the above contract and that the same have been explained to us by the concerned authorities. We also give the following assurances.

a) Only experienced and competent persons shall be engaged by us for carrying out work under the said contract.

b) The names of the authorized persons who would be supervising the jobs on day to day basis from our end are the following:

i) _____

ii) _____

iii) _____

The above personnel are fully familiar with the nature of jobs assigned and safety precautions required.

c) Due notice would be given for any change of personnel under item (b) above.

d) We hereby accept the responsibility for the safety of all the personnel engaged by us and for the safety of the Company's personnel and property involved during the course of our working under this contract. We would ensure that all the provisions under the Oil Mines Regulations, 1984 and other safety rules related to execution of our work would be strictly followed by our personnel. Any violation pointed out by the Company's Engineers would be rectified forthwith or the work suspended till such time the rectification is completed by us and all expenditure towards this would be on our account.

e) We confirm that all persons engaged by us would be provided with the necessary Safety Gears at our cost.

f) All losses caused due to inadequate safety measures or lack of supervision on our part would be fully compensated by us and the Company will not be responsible for any lapses on our part in this regard.

g) We shall abide by the HSE (Health, Safety & Environmental) POINTS as mentioned in PART-III SCC.

(Seal)

Yours Faithfully

Date_____

M/s_____

FOR & ON BEHALF OF CONTRACTOR

INTEGRITY PACT

Between

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

And

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

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **‘Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.**

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).’

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.

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 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 during 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.
- (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

(1) The Bidder commits itself to take all measures necessary to prevent corruption. During his participation in the tender process, the Bidder commits himself to observe the following principles:

- (i) The Bidder 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 subsequent contract execution, if awarded.
- (ii) The Bidder 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) will not commit any offence under the relevant Anticorruption Laws of India, further, the Bidder(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 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 public/government organization that may impinge on the anti-corruption principle. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The period for which such transgressions (s) is/are to be reported by the bidders shall be the last **three years** to be reckoned from date of bid submission. The transgression (s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.

- (vi) The Bidder(s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder(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 will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- (3)** The Bidder 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, for such reason.

1. If the Bidder 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 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 2 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 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 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.

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) The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder can prove and establish that the exclusion of the Bidder from the tender process has caused no damage or less damage than the amount or the liquidated damages, the Bidder 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 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.

(2) The Bidder undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder 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 Independent External Monitor (IEM) for this Pact.

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

(4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder. The parties offer 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 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 the advice of IEM is non-binding on the Organization. However, as IEMs are invariably persons with rich experience who have retired as senior functionaries of the government, their advice would help in proper implementation of the IP.

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) In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of sub-contracting, the principal contractor shall take the responsibility of the adoption of IP by the sub-contractor. It is to be ensured that all sub-contractors also sign the IP. In case of sub-contractors, the IP will be a tri-partite arrangement to be signed by the Organization, the contractor, and the sub-contractor.

(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.

..... For the Principal Date : Place : For the Bidder/Contractor Witness 1: Witness 2:
--	---

BID FORM

To
M/s Oil India Limited,
P.O. Duliajan, Assam, India

Sub: IFB No. CDO4642P24

Gentlemen,

Having examined the General and Special Conditions of Contract and the Terms of Reference including all attachments thereto, the receipt of which is hereby duly acknowledged, we the undersigned offer to perform the work/services in conformity with the said conditions of Contract and Terms of Reference for the sum quoted in the Price Bid Format or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to commence the work as per the terms & conditions set out in the subject tender.

If our Bid is accepted, we will submit the Performance Security Deposit as specified in the tender document for the due performance of the Contract.

We agree to abide by this Bid for a period of 120 days from the date of Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your notification of award shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ 2023.

Authorised Person's Signature: _____

Name: _____

Designation: _____

Seal of the Bidder:

STATEMENT OF NON-COMPLIANCE (IF ANY)**(Only exceptions/deviations to be rendered)**

1.0 The Bidder shall furnish detailed statement of **exceptions/deviations**, if any, to the IFB stipulations, terms and conditions in respect of each Section of Bid Document in the following format:

Section No.	Clause No. (Page No.)	Non-Compliance	Remarks

Signature of Bidder: _____

Name: _____

NOTE: OIL INDIA LIMITED expects the bidders to fully accept the terms and conditions of the bid document. However, should the bidders still envisage some exceptions/deviations to the terms and conditions of the bid document, the same should be indicated as per above format and submit along with their bids. If the **“Statement of Non-Compliance”** in the above Proforma is left blank (or not submitted along with the Bid), then it would be constructed that the bidder has not taken any exception/deviation to the IFB requirements.

PROFORMA LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

TO
CGM-CONTRACTS(HoD)
OIL INDIA LIMITED
P.O. DULIAJAN-786602
Assam, India

Sir,

SUB: OIL's IFB No. CDO4642P24

I/We _____ confirm that Mr. _____ (Name and address) as authorised to represent us during bid opening on our behalf with you against IFB No. **CDO4642P24** for **Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.**

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).

Yours Faithfully,

Authorised Person's Signature: _____

Name: _____

Signature of Bidder: _____

Name: _____

Date: _____

PROFORMA LETTER OF AUTHORITY

**TO
CGM-CONTRACTS(HoD)
Contracts Department
P.O. DULIAJAN PIN-786602
Dist. Dibrugarh, Assam
India**

Dear Sir,

SUB: OIL's IFB No. CDO4642P24

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 IFB No.
CDO4642P24 for – **Hiring of services for Design, Supply, Installation and
Commissioning of Permanent Cathodic Protection in the following pipelines.**

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.). 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: _____

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.

FORM OF BID SECURITY (BANK GUARANTEE FORMAT)

To
M/s OIL INDIA LIMITED,
CONTRACTS DEPARTMENT,
DULIAJAN, ASSAM, INDIA, PIN-786602

WHEREAS, (Name of Bidder) _____ (hereinafter called "the Bidder") has submitted their offer Dated _____ for the provision of certain services (hereinafter called "the Bid") against OIL INDIA LIMITED, Duliajan, Assam, India (hereinafter called the Company's) Tender No. _____ KNOW ALL MEN BY these presents that we (Name of Bank) _____ of (Name of Country) _____ having our registered office at _____ (hereinafter called "Bank") are bound unto the Company in the sum of (*_____) for which payment well and truly to be made to Company, the Bank binds itself, its successors and assignees by these presents.

SEALED with the said Bank this ____ day of _____ 20_____

THE CONDITIONS of these obligations are:

1. If the Bidder withdraws their Bid within its original/extended validity; or
2. The Bidder modifies/revises their bid suo-moto; or
3. The Bidder does not accept the contract; or
4. The Bidder does not furnish Performance Security Deposit within the stipulated time as per tender/contract; or
5. If it is established that the Bidder has submitted fraudulent documents or has indulged into corrupt and fraudulent practice.

We undertake to pay to Company up to the above amount upon receipt of its first written demand (by way of letter/fax/cable), without Company having to substantiate its demand provided that in its demand Company 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 the date (**--/--/--) and any demand in respect thereof should reach the Bank not later than the above date.

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

E-TENDER NO. CDO4642P24

discharged from all our liabilities under this Guarantee irrespective of receipt of original Bank Guarantee duly discharged, by Bank.

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:

SIGNATURE AND SEAL OF THE GUARANTORS _____

Name of Bank & Address _____

Witness _____

Address _____

(Signature, Name and Address)

Date: _____

Place: _____

* The Bidder should insert the amount of the guarantee in words and figures.

** Date of expiry of Bank Guarantee should be minimum 30 days after the end of the validity period of the Bid/as specified in the Tender.

Note:

The Bank Guarantee issuing bank branch shall ensure the following:

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

(i) MT 760 / MT 760 COV for issuance of Bank Guarantee

(ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

The above message / intimation shall be sent through SFMS (indicating the Contract No.) by the BG issuing Bank branch to ICICI Bank, Duliajan Branch, IFS Code – ICIC0000213; SWIFT Code - ICICINBBXXX. Branch Address: ICICI Bank Limited, Duliajan Branch, Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam – 786602.

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

**[TO BE FILLED-UP/SUBMITTED BY THE VENDOR ON ITS LETTER HEAD FOR
E-REMITTANCE]**

Name:

FULL Address:

Phone Number:

Mobile Number:

E-mail address:

Fax Number:

Bank Account Number (in which the Bidder wants remittance against invoices):

Bank Name:

Branch:

Address of the Bank:

Bank Code:

IFSC/RTGS Code of the Bank:

NEFT Code of the Bank:

PAN Number:

GST Registration Number:

Signature of Bidder with Official Seal

FORM OF PERFORMANCE BANK GUARANTEE

To:

M/s. Oil India Limited
Contracts Department
Duliajan, Assam - 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 the _____ day of _____

Notwithstanding anything contained herein:

- e) Our liability under this Bank Guarantee shall is restricted up to Rs. _____
- f) This guarantee shall be valid till
- g) 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).
- h) 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.

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:

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

Note:

The Bank Guarantee issuing bank branch shall ensure the following:

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

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

The above message / intimation shall be sent through SFMS (indicating the Contract No.) by the BG issuing Bank branch to ICICI Bank, Duliajan Branch, IFSC Code – ICIC0000213; SWIFT Code - ICICINBBXXX. Branch Address: ICICI Bank Limited, Duliajan Branch, Kunja Bhavan, Daily Bazaar, Duliajan, Dibrugarh, Assam-786602.

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

AGREEMENT FORM

This Agreement is made on ____ day of _____ between Oil India Limited, a Government of India Enterprise, incorporated under the Companies Act 1956, having its registered office at Duliajan in the State of Assam, hereinafter called the "Company" which expression unless repugnant to the context shall include executors, administrators and assignees on the one part, and M/s. _____ (Name and address of Contractor) hereinafter called the "Contractor" which expression unless repugnant to the context shall include executors, administrators and assignees on the other part,

WHEREAS the Company desires that Services _____ (brief description of services) should be provided by the Contractor as detailed hereinafter or as Company may requires;

WHEREAS, Contractor engaged themselves in the business of offering such services represents that they have adequate resources and equipment, material etc. in good working order and fully trained personnel capable of efficiently undertaking the operations and is ready, willing and able to carry out the said services for the Company as per Section-II attached herewith for this purpose and

WHEREAS, Company had issued a firm Letter of Award No. _____ dated _____ based on Offer No. _____ dated _____ submitted by the Contractor against Company's IFB No. _____ and the Contractor accepted the same vide Letter No. _____ dated _____.

WHEREAS, the Contractor has furnished to Company the performance security in the form of DD/BC/BG for Rs. _____ (being 10% of Contract value) with validity of 90 (Ninety) days beyond the contract period/ defect liability period.

All these aforesaid documents shall be deemed to form and be read and construed as part of this agreement/contract. However, should there be any dispute arising out of interpretation of this contract in regard to the terms and conditions with those mentioned in Company's tender document and subsequent letters including the Letter of Intent and Contractor's offer and their subsequent letters, the terms and conditions attached hereto shall prevail. Changes, additions or deletions to the terms of the contract shall be authorized solely by an amendment to the contract executed in the same manner as this contract.

NOW WHEREAS, in consideration of the mutual covenants and agreements hereinafter contained, it is hereby agreed as follows –

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. In addition to documents herein above, the following Sections and Annexures attached herewith shall be deemed to form and be read and construed as part of this agreement viz.:

E-TENDER NO. CDO4642P24

- (a) PART-I indicating the General Conditions of this Contract;
- (b) PART-II indicating the Schedule of work, unit, quantities & rates;
- (c) PART-III indicating the Special Conditions of Contract;
- (d) PART-V indicating the Safety Measures;
- (e) Integrity Pact & Undertakings

3. In consideration of the payments to be made by the Company to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Company to provide the Services and to remedy defects therein in conformity in all respect with the provisions of this Contract.

4. The Company hereby covenants to pay the Contractor in consideration of the provision of the Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

IN WITNESS thereof, each party has executed this contract at Duliajan, Assam as of the date shown above.

Signed, Sealed and Delivered,

For and on behalf of
Company (Oil India Limited)

for and on behalf of Contractor
(M/s. _____)

Name:

Name:

Status:

Status:

In presence of

In presence of

1.

1.

2.

2.

Format of undertaking by Bidders towards submission of authentic information/documents (To be typed on the letter head of the bidder)

Ref. No _____

Date _____

Sub: Undertaking of authenticity of information/documents submitted

Ref: Your Tender No. CDO4642P24

**To,
The CGM-Contracts (HoD)
Contracts Department,
OIL, Duliajan**

Sir,

With reference to our quotation 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 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 Authorized Signatory

Name:

Designation:

Phone No.:

Place:

Date:

(Affix Seal of the Organization here, if applicable)

**(TO BE EXECUTED BY THE AUTHORIZED SIGNATORY OF THE BIDDER ON
THE OFFICIAL LETTER HEAD OF THE BIDDER)**

CERTIFICATE OF COMPLIANCE TO FINANCIAL CRITERIA

**Ref : Note 'b' under Clause 3.0 Financial Criteria of BEC/BRC of
Tender No. CDO4642P24**

I _____ the authorized signatory(s) of
_____ (Company or Firm name with address) do
hereby solemnly affirm and declare/ undertake as under:

**The balance sheet/Financial Statements for the financial year _____
have actually not been audited as on the Original Bid Closing Date.**

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)

Note: This certificate is 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.

COMMERCIAL CHECK LIST**Bidder's Name:** _____**TENDER NO. CDO4642P24**

This Questionnaire duly filled in should be returned along with each copy of Un-priced Bid. Clauses confirmed hereunder should not be repeated in the Bid.

Sl. No.	Description	Bidder's Confirmation
1.	Type of Bidding Entity	
2.	Bidder's name and address:	
3.	It is noted that deviations to Terms & Conditions shall lead to rejection of offer, as specified in the Tender.	
4.	Ensure and confirm that prices quoted in 'Schedule of Rates', are for complete scope of work as defined in the tender	
5.	Indicate SAC Code Indicate rate of GST applicable.	SAC Code: GST%
6.	EMD/ Bid Security Details: Whether Bid Security of requisite amount and validity as per tender submitted	
7.	Confirm to Submit PBG as per Tender requirement	
8.	Confirm that the offer shall remain valid for acceptance up to 120 (One Hundred Twenty) days from Date of bid opening.	
9.	Whether Mobilization and Completion period of contract is complied?	
10.	Whether Integrity Pact Submitted (if applicable)?	

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Sl. No.	Description	Bidder's Confirmation
11.	Confirm that quoted prices shall remain firm and fixed until completion of the contract, except as otherwise mentioned in the bid document.	
12.	Confirm that percentage of Local Content along with Certification of Incorporation/ Registration and other relevant documents required under BEC Clause No. 1.0 has been submitted.	
13.	Confirm that you have submitted all documents as mentioned in the Tender/ Proformas/ Annexures/ Appendices/ Exhibits	
14.	Confirm acceptance to all terms & conditions of the Tender.	
15.	Confirm that all correspondence must be in English Language only.	
16.	Indicate Name & Contact No. (Telephone/Fax/E-mail) of person signing the bid.	Name: Contact No.: Fax: Email:
17.	Confirm that all Bank charges associated with Bidder's Bank shall be borne by Bidder.	
18.	Please indicate the following: (i) PAN No. (ii) GST Regn. No.	
19	Whether Technical Evaluation Sheet for BEC BRC submitted	
20.	% of Local Content Categorically specified or not as per PROFROMA-XIII.	
21.	Restrictions on procurement from a bidder of a country which shares land border with india, Undertakings viz. Exhibit-I, Exhibit-II and Exhibit-III, submitted or not if applicable	

E-TENDER NO. CDO4642P24

Sl. No.	Description	Bidder's Confirmation
22.	Declaration about bidder's financial standing as per APPENDIX-1 submitted or not.	
23.	Declaration about bidder's financial standing as per APPENDIX-2 submitted or not	

Bidder confirms that in case of conflicting version of various terms & conditions at different places, the confirmation furnished as above shall be considered over-riding and final and any other deviation indicated elsewhere shall be treated as redundant.

Signature _____

Name _____

Designation _____

Office Stamp _____

UNDERTAKING TOWARDS SUBMISSION OF BANK GUARANTEE

To,
Oil India Limited
Contracts Department
Duliajan, Assam - 786602

We, M/s..... are submitting the Performance Security 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 E-mail Addresses	Mobile Telephone Fax
Correspondence Address H No/Street/City	State Country 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: _____

Encl: Original bank guarantee

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

We, _____ Name of the bidder) have submitted Bid No. _____ against Tender No. _____ dated _____ for **Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.**

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).'

We hereby undertake that we meet the mandatory minimum local content requirement as mandated by 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. P-45021/2/2017-PP (BE-II) dated 16th September 2020 (and as amended time to time) with modifications as notified vide MoPNG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022 (including subsequent amendments thereof, if any). The percentage of Local Content is ____ %.

For and on behalf of _____

Authorized signatory _____

Name _____

Designation _____

Contact No. _____

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

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 the audited financial statements of M/s (Name of the Bidder) for the last 03 (Three) completed accounting years upto.....**(as the case may be)** are correct.

YEAR	TURN OVER In INR	NET WORTH In INR

Place:

Date:

Seal:

Membership Number:

Signature

Registration No.:

UDIN:

**FORMAT FOR INSPECTION CERTIFICATE FROM THIRD PARTY INSPECTION
AGENCY**

(To be submitted on official letter head)

TO
M/s OIL INDIA LIMITED
P.O. DULIAJAN-786602
Assam, India

Sir,

SUB: OIL's IFB No. CDO4642P24

M/s _____ having registered office at _____
intend to participate in the above referred tender of OIL INDIA LIMITED.

The tender conditions stipulates that the bidder shall submit documents pertaining to Bid Evaluation Criteria (BEC), duly verified and certified by designated independent Third Party Inspection Agency.

In this regard this is to certify that copies of documents pertaining to Bid Evaluation Criteria (BEC) submitted to us by the bidder have been verified and certified by us with originals and found to be genuine and authentic. We have signed and stamped on the copies of all the verified and certified documents having ____ nos. pages.

Note: In the event of any requirement, OIL reserves the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL.

Thanking you,

Authorised Person's Signature: _____

Name: _____

BID SECURING DECLARATION

(To be submitted on Bidder's letter head only if exempted from submission of Bid Security, Ref. ITB Clause No. 13.0)

To
CGM- CONTRACTS (HoD)
OIL INDIA LIMITED
P.O. DULIAJAN-786602
Assam, India

I/We, the undersigned, declare that:

- 1.0 I/We understand that, according to your Tender conditions, bids must be supported by a 'Bid Security' in the form of a 'Bid-Securing Declaration'.
- 2.0 I/We the undersigned hereby declare that if we withdraw or modify our Bids during the period of its validity, or if we are awarded the contract and fail to sign the contract, or we fail to submit performance security before the deadline defined in the Tender document; we will be suspended for the period of two years. This suspension of two years shall be automatic without conducting any enquiry.

For M/s _____ (name of the firm here)

Signature of Authorized Signatory

Name: _____

Designation: _____

Phone No.: _____

Place: _____

Date: _____

(Affix Seal of the Organization here, if applicable)

**UNDERTAKING FOR WORKS INVOLVING POSSIBILITY OF
SUB-CONTRACTING**

(REF. CLAUSE NO. 18.6 OF THE INTRODUCTION/FORWARDING LETTER)

We, M/s _____ , have read the clause regarding restrictions on procurement from 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, has 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.

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)

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

(REF. CLAUSE NO. 18.1 OF THE INTRODUCTION/FORWARDING LETTER)

We, M/s _____, have read the clause regarding restrictions on procurement from 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, has been registered with the Competent Authority. We hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

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)

**ADDITIONAL UNDERTAKING BY BIDDER IN CASES OF SPECIFIED TRANSFER
OF TECHNOLOGY (ToT)**

(REF. CLAUSE NO. 18.1 OF THE INTRODUCTION/FORWARDING LETTER)

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 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.

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)

DECLARATION ABOUT BIDDER'S FINANCIAL STANDING

**To,
CGM-CONTRACTS
OIL INDIA LIMITED
DULIAJAN - 786602**

Sub: Undertaking/Declaration regarding financial standing.

Ref: Tender No. CDO4642P24 for 'Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines.

Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area.

- (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM)
- (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM)
- (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM)
- (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM)
- (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM)
- (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)

Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS.

- (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.)
- (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)

Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan.

- (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).
- (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).'

We, _____ (name of bidder), hereby confirm that:

(1) We are neither bankrupt nor undergoing any insolvency resolution process or liquidation or bankruptcy proceeding under any law.

(OR)

(2) No insolvency resolution process or liquidation or bankruptcy proceeding is initiated under any law against us.

Place: _____

Date: _____

(Name & Signature of the authorised
signatory of the bidder)

**To,
CGM-CONTRACTS
OIL INDIA LIMITED
DULIAJAN - 786602**

⌘,⌘,⌘,⌘,⌘,⌘,⌘,⌘,⌘,⌘,⌘,

F-1

FORMAT FOR CERTIFICATE BY CHARTERED ACCOUNTANT FOR OWNED EQUIPMENT

Description of Work: (as per Tender Document)

Date: DD.MM.YYYY

Tender No:-

To whom-so-ever it may concern

This is to certify that M/s. **(Bidder's Name)**, having their registered office at **(Bidder's Address)**, is the owner of the equipment mentioned below (or in the attachment) as per our inspection of records / books of accounts / documents of M/s. **(Bidder's Name)** on **(Date)**.

S. No.	Equipment	Make/ Model	Capacity	Qty.	Year of Manufacture	Present Location of Equipment

Further, this equipment will be deployed for **(Description of Work)** in case M/s. **(Bidder's Name)** is awarded with the job.

(Signature of Chartered Accountant / Statutory Auditor)

Place:

Membership No. of CE: -----

Date: DD.MM.YYYY

Firm Registration No.: -----

Note: The above certificate shall be issued in the letter head of Chartered Accountant / Statutory Auditor.

<p style="text-align: center;">OIL INDIA LIMITED (A Government of India Enterprise) Duliajan, Assam</p>									
DESCRIPTION OF WORK/SERVICE: Hiring of services for Design, Supply, Installation and Commissioning of Permanent Cathodic Protection in the following pipelines:									
<p>Section A: 6 No. of pipelines from CGGS-Madhuban/STF to Industrial area. (i) 24" NB gas distribution line from LPG OTP to CGGS Rich (LPG upstream) (9.5 KM) (ii) 24" NB gas distribution line from LPG OTP to CGGS Ex LPG Rich (9.5 KM) (iii) 24" NB lean gas distribution line from CGGS to LPG OTP (9.5 KM) (iv) 16" NB rich gas distribution line from NKF to CGGS (7 KM) (v) 16" NB lean gas distribution line from CGGS to NKF (7 KM) (vi) 12" NB Crude Oil Dispatch line from STF Madhuban to CTF Duliajan (9.5 KM)</p>									
<p>Section B: Crude Oil Dispatch (COD) pipeline from MFJ WHS location to MORAN OCS. (i) 6" COD line from location MFJ WHS to MFK (10 KM approx.) (ii) 8" COD line from location MFK to MORAN OCS (23 KM approx.)</p>									
<p>Section C: Crude Oil Dispatch (COD) and Natural gas pipeline from Kumchai to Kusijan. (i) 8" COD pipeline from location Kumchai EPS to location Kusijan (61 KM approx.). (ii) 14" and 16" Gas pipeline from location Kumchai EPS to location Kusijan (61 KM approx.).</p>									
E-TENDER NO. CDO4642P24									
NAME OF BIDDER									
Bidder's GST No.									
SAC/HSN Code									
Select the benefit sought under the Policy									
Item No.	SECTION	Description of Services (For detailed description of Services Refer SOQ)	UOM	Estimated Quantity	Rate (Rs.) to be quoted Excluding GST	Applicable GST Rate in %	Applicable GST (Select from Drop down List)	Total Amount (Rs.) Excluding GST	Total Amount (Rs.) Including GST
				A	B	C		D = A * B	E = D+(D * C)
1	(A)	Supply of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	2.00				0.00	0.00
	(B)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	2.00				0.00	0.00
	(C)	Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	1.00				0.00	0.00
		Supply of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	NO.	2.00				0.00	0.00
2	(A)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00				0.00	0.00
	(B)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00				0.00	0.00
	(C)	Supply of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	3.00				0.00	0.00
3	(A)	Supply of Anode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(B)	Supply of Anode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(C)	Supply of Anode Junction Box (IP55)	NO.	1.00				0.00	0.00
		Supply of Anode Junction Box (IP65)	NO.	2.00				0.00	0.00
4	(A)	Supply of Cathode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(B)	Supply of Cathode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(C)	Supply of Cathode Junction Box (IP55)	NO.	1.00				0.00	0.00
		Supply of Cathode Junction Box (IP65)	NO.	2.00				0.00	0.00
5	(A)	Supply of Test Lead Post (Small)	NO.	47.00				0.00	0.00
	(B)	Supply of Test Lead Post (Small)	NO.	60.00				0.00	0.00
	(C)	Supply of Test Lead Post (Small)	NO.	103.00				0.00	0.00
6	(A)	Supply of Test Lead Post (Big)	NO.	16.00				0.00	0.00
	(B)	Supply of Test Lead Post (Big)	NO.	4.00				0.00	0.00
	(C)	Supply of Test Lead Post (Big)	NO.	4.00				0.00	0.00
7	(A)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	SET	2.00				0.00	0.00
	(B)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	SET	7.00				0.00	0.00
	(C)	Supply of TLP with Polarisation coupon, reference cell and magnetic reed switch.	SET	10.00				0.00	0.00
8	(A)	Supply of Surge Diverter	NO.	12.00				0.00	0.00
	(B)	Supply of Surge Diverter	NO.	18.00				0.00	0.00
	(C)	Supply of Surge Diverter	NO.	32.00				0.00	0.00

9	(A)	Supply of GI Earthing Electrodes	NO.	12.00				0.00	0.00
	(B)	Supply of GI Earthing Electrodes	NO.	18.00				0.00	0.00
	(C)	Supply of GI Earthing Electrodes	NO.	32.00				0.00	0.00
10	(A)	Supply of Permanent Cu/CuSO4 Reference Cell	NO.	8.00				0.00	0.00
	(B)	Supply of Permanent Cu/CuSO4 Reference Cell	NO.	9.00				0.00	0.00
	(C)	Supply of Permanent Cu/CuSO4 Reference Cell	NO.	13.00				0.00	0.00
11	(A)	Supply of Polarisation Cell (Kirk cell)	NO.	4.00				0.00	0.00
12	(A)	Supply of Zinc Anode (20 kg each)	NO.	8.00				0.00	0.00
13	(A)	Supply of Petroleum Coke Breeze	KG	4,000.00				0.00	0.00
	(B)	Supply of Petroleum Coke Breeze	KG	4,000.00				0.00	0.00
	(C)	Supply of Petroleum Coke Breeze	KG	6,000.00				0.00	0.00
14	(A)	Supply of Junction box for bonding (Bond boxes)	NO.	1.00				0.00	0.00
	(B)	Supply of Junction box for bonding (Bond boxes)	NO.	3.00				0.00	0.00
	(C)	Supply of Junction box for bonding (Bond boxes)	NO.	7.00				0.00	0.00
15	(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00				0.00	0.00
	(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00				0.00	0.00
	(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	3,200.00				0.00	0.00
16	(A)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00				0.00	0.00
	(B)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00				0.00	0.00
	(C)	Supply of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	3,150.00				0.00	0.00
17	(A)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,000.00				0.00	0.00
	(B)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,300.00				0.00	0.00
	(C)	Supply of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	5,000.00				0.00	0.00
18	(A)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00				0.00	0.00
	(B)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00				0.00	0.00
	(C)	Supply of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	1,000.00				0.00	0.00
19	(A)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	2,000.00				0.00	0.00
	(B)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	800.00				0.00	0.00
	(C)	Supply of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	1,200.00				0.00	0.00
20	(A)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00				0.00	0.00
	(B)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00				0.00	0.00
	(C)	Supply of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,650.00				0.00	0.00

21	(A)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00				0.00	0.00
	(B)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00				0.00	0.00
	(C)	Supply of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	500.00				0.00	0.00
22	(A)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	300.00				0.00	0.00
	(B)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	350.00				0.00	0.00
	(C)	Supply of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	520.00				0.00	0.00
23	(A)	Supply of O&M items for CP system- Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	SET	1.00				0.00	0.00
	(B)	Supply of O&M items for CP system- Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	SET	1.00				0.00	0.00
	(C)	Supply of O&M items for CP system- Multimeter(1 No.), Clampmeter (1 No.) and Portable Cu/CuSO4 reference cell(2 No.)	SET	1.00				0.00	0.00
24	(A)	Installation of CPTR unit 50V/50A, DC output rating, AC Operated, Automatic, Air-cooled.	NO.	2.00				0.00	0.00
	(B)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.	NO.	2.00				0.00	0.00
	(C)	Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP55)	NO.	1.00				0.00	0.00
		Installation of CPTR unit 48V/25A, DC output rating, AC Operated, Automatic, Air-cooled.(IP66)	NO.	2.00				0.00	0.00
25	(A)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00				0.00	0.00
	(B)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	2.00				0.00	0.00
	(C)	Installation of Deep well anode ground bed using 10 No. MMO LIDA Tubular Anode (25mm x 1000 mm long) of each 8-amp output rating (35 years).	NO.	3.00				0.00	0.00
26	(A)	Installation of Anode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(B)	Installation of Anode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(C)	Installation of Anode Junction Box (IP55)	NO.	1.00				0.00	0.00
		Installation of Anode Junction Box (IP65)	NO.	2.00				0.00	0.00
27	(A)	Installation of Cathode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(B)	Installation of Cathode Junction Box (IP55)	NO.	2.00				0.00	0.00
	(C)	Installation of Cathode Junction Box (IP55)	NO.	1.00				0.00	0.00
		Installation of Cathode Junction Box (IP65)	NO.	2.00				0.00	0.00
28	(A)	Installation of Test Lead Post (Small).	NO.	45.00				0.00	0.00
	(B)	Installation of Test Lead Post (Small).	NO.	58.00				0.00	0.00
	(C)	Installation of Test Lead Post (Small).	NO.	101.00				0.00	0.00
29	(A)	Installation of Test Lead Post (Big).	NO.	14.00				0.00	0.00
	(B)	Installation of Test Lead Post (Big).	NO.	2.00				0.00	0.00
	(C)	Installation of Test Lead Post (Big).	NO.	2.00				0.00	0.00
30	(A)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	NO.	2.00				0.00	0.00
	(B)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	NO.	7.00				0.00	0.00
	(C)	Installtion of TLP with Polarisation coupon, reference cell and magnetic reed switch.	NO.	10.00				0.00	0.00
31	(A)	Installation of Surge Diverter.	NO.	12.00				0.00	0.00
	(B)	Installation of Surge Diverter.	NO.	18.00				0.00	0.00
	(C)	Installation of Surge Diverter.	NO.	32.00				0.00	0.00
32	(A)	Installation of GI Earthing Electrodes.	NO.	12.00				0.00	0.00
	(B)	Installation of GI Earthing Electrodes.	NO.	18.00				0.00	0.00
	(C)	Installation of GI Earthing Electrodes.	NO.	32.00				0.00	0.00
33	(A)	Installation of Permanent Cu/CuSO4 Reference Cell	NO.	8.00				0.00	0.00
	(B)	Installation of Permanent Cu/CuSO4 Reference Cell	NO.	9.00				0.00	0.00
	(C)	Installation of Permanent Cu/CuSO4 Reference Cell	NO.	13.00				0.00	0.00

34	(A)	Installation of Polarisation Cell (Kirk Cell)	NO.	4.00				0.00	0.00
35	(A)	Installation of Zinc Anode (20 kg each)	NO.	8.00				0.00	0.00
36	(A)	Petroleum Coke Breeze backfill activity.	KG	4,000.00				0.00	0.00
	(B)	Petroleum Coke Breeze backfill activity.	KG	4,000.00				0.00	0.00
	(C)	Petroleum Coke Breeze backfill activity.	KG	6,000.00				0.00	0.00
37	(A)	Installation of Junction Box for Bonding (Bond boxes)	NO.	1.00				0.00	0.00
	(B)	Installation of Junction Box for Bonding (Bond boxes)	NO.	3.00				0.00	0.00
	(C)	Installation of Junction Box for Bonding (Bond boxes)	NO.	6.00				0.00	0.00
38	(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00				0.00	0.00
	(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	2,200.00				0.00	0.00
	(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell Cable, XLPE insulated,FRLS and PVC sheathed, Armoured -Yellow, Annealed High Conductivity Tinned Copper (Stranded).	M	3,200.00				0.00	0.00
39	(A)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00				0.00	0.00
	(B)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	2,100.00				0.00	0.00
	(C)	Installation of PCP cables-1C X 10 sq.mm, Anode Tail Cables, KYNAR cables,FRLS, Unarmoured -Red, Annealed High Conductivity Tinned Copper (Stranded).	M	3,150.00				0.00	0.00
40	(A)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,000.00				0.00	0.00
	(B)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	3,300.00				0.00	0.00
	(C)	Installation of PCP cables-1C X 6 sq.mm, Permanent Reference Cell and PSP measurement cables, XLPE insulated, FRLS and PVC sheathed, Armoured -Green, Annealed High Conductivity Tinned Copper (Stranded).	M	5,000.00				0.00	0.00
41	(A)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00				0.00	0.00
	(B)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	500.00				0.00	0.00
	(C)	Installation of PCP cables-1C X 25 sq. mm, Bonding, Grounding cables etc, XLPE insulated, FRLS and PVC sheathed, Armoured-Red, Annealed High Conductivity Tinned Copper (Stranded).	M	1,000.00				0.00	0.00
42	(A)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	2,000.00				0.00	0.00
	(B)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	800.00				0.00	0.00
	(C)	Installation of PCP cables-1C X 35 sq.mm, Anode and Cathode Header cable etc., XLPE insulated, FRLS and PVC sheathed, Armoured -Blue, Annealed High Conductivity Tinned Copper (Stranded).	M	1,200.00				0.00	0.00
43	(A)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00				0.00	0.00
	(B)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,100.00				0.00	0.00
	(C)	Installation of PCP cables-3C X 10 sq.mm, TR unit power supply cable, XLPE insulated, FRLS and PVC sheathed, Armoured, Annealed High Conductivity Tinned Copper (Stranded).	M	1,650.00				0.00	0.00
44	(A)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00				0.00	0.00
	(B)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	300.00				0.00	0.00
	(C)	Installation of Multicore, FRLS, 1.5 sq mm, 8/12 pair, twisted pair, armoured signal cables as per IS/BS for reference cell etc.	M	500.00				0.00	0.00

45	(A)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	300.00				0.00	0.00
	(B)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	350.00				0.00	0.00
	(C)	Installation of Cable to Pipe Connections by Exothermic method for all sizes upto 1C X 35 sq. mm	NO.	520.00				0.00	0.00
46	(A)	Installation of shed for TRU and fencing around TRU (Including supply).	SET	2.00				0.00	0.00
	(B)	Installation of shed for TRU and fencing around TRU (Including supply).	SET	2.00				0.00	0.00
	(C)	Installation of shed for TRU and fencing around TRU (Including supply).	SET	3.00				0.00	0.00
47	(A)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	NO.	2.00				0.00	0.00
		Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	NO.	2.00				0.00	0.00
		Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	NO.	1.00				0.00	0.00
	(B)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	NO.	3.00				0.00	0.00
		Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	NO.	2.00				0.00	0.00
		Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	NO.	1.00				0.00	0.00
	(C)	Supply and Installation of CTSU-data logger for Test stations (Remote monitoring of PSP through GSM service band)	NO.	4.00				0.00	0.00
		Supply and Installation of Remote monitoring unit for TR unit (Remote monitoring through GSM service band).	NO.	3.00				0.00	0.00
		Supply and Installation of Software package (Remote monitoring of PSP through GSM service band).	NO.	1.00				0.00	0.00
48	(A)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	SET	1.00				0.00	0.00
	(B)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	SET	1.00				0.00	0.00
	(C)	Design and Detailed Engineering of CP system. (Including all Technical Drawings related to the Project.)	SET	1.00				0.00	0.00
49	(A)	Soil Resistivity Survey (For Anode Ground Bed Locations)	SET	1.00				0.00	0.00
	(B)	Soil Resistivity Survey (For Anode Ground Bed Locations)	SET	1.00				0.00	0.00
	(C)	Soil Resistivity Survey (For Anode Ground Bed Locations)	SET	1.00				0.00	0.00
50	(A)	Testing and Commissioning of PCP system	SET	1.00				0.00	0.00
	(B)	Testing and Commissioning of PCP system	SET	1.00				0.00	0.00
	(C)	Testing and Commissioning of PCP system	SET	1.00				0.00	0.00
51	(A)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	KM	54.00				0.00	0.00
	(B)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	KM	35.00				0.00	0.00
	(C)	CIPL survey with simultaneous PSP data logging (on-off) of parallel pipelines at every km and interference prone area.	KM	122.00				0.00	0.00
Total Cost (Rs)								0.00	0.00
								The above cost should be maintained under 'Total Bid Value' in the E-Tender Portal	
1. The price/rate(s) quoted by the bidders shall be inclusive of all taxes except GST (i.e. IGST or CGST and SGST/UTGST as applicable in case of interstate supply or intra state supply respectively and Cess on GST, if applicable) on the final services. However, GST rate (including cess) to be provided in the respective places in the Price Bid.									
2. Price Bids shall be evaluated on overall lowest cost to OIL (L-1 offer) basis i.e. considering total quoted price for all services including applicable GST(CGST & SGST/UTGST or IGST)									
3. OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.									
4. Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/ Contracts will be binding on the bidder.									
5. Input Tax Credit on GST (Goods & Service Tax) for this service is NOT available to OIL & The bids will be evaluated based on total price including GST.									
6. Bidder may seek benefits under Public Procurement Policy for PP: LC.									
7. Refer to GCC & SCC for detail of GST									
8. Refer to SOQ & SCC for Item detail Description									

<p align="center">E-TENDER NO. CDO4642P24 PROFORMA-A(To be submitted only along with price bid)</p>											
<p align="center">LIST OF ITEMS (Equipment, Tools, Accessories, Spares & consumable) TO BE IMPORTED INCONNECTION WITH EXECUTION OF THE CONTRACT SHOWING CIF VALUE</p>											
Sl.No.	Item Description	Qty/Unit	Rate	Total	Freight & Insurance	CIF Value	Port & other charge	Landed Cost	Is it re-exportable? YES or NO	Year of Mfg.	HSN Code
A	B	C	D	E = C x D	F	G = F + E	H	I = G+H	J	K	L
<p>(1) The items which are not of consumable in nature and required to be re-exported outside India after completion of the Contract should be indicated as "YES" in column "J".</p>											
<p>(2) The items, which are of consumable in nature should be indicated as "NO" in column "J".</p>											
<p>(3) For estimation of applicable customs duty, the bidders are required to indicate customs tariff code (i.e. HSN Code) of each item in column "L".</p>											
<p>Authorised Person's Signature: _____</p>											
<p>Name: _____</p>											

Seal of the Bidder:

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Bidder's Name: _____

Sl. No.	Clause No. of BEC/BRC	Description	Compliance		Bidder to indicate Relevant Page No. of their Bid to support the remarks/ compliance
			Yes	No	
1		<u>GENERAL CONFORMITY:</u> The bid shall conform to the specifications and terms and conditions given in the Bidding Documents. Bids shall be rejected in case material and services offered do not conform to the required parameters stipulated in the technical specifications. Notwithstanding the general conformity of the bid to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and will not be considered for evaluation. All the documents related to BEC shall be submitted along with the Technical Bid.			
2	1.0	<u>ELIGIBILITY CRITERIA:</u> The bidder must be incorporated/ registered in India and must maintain more than or equal to 20% local content (LC) for the offered services to be eligible to bid against this tender. Regarding calculation of local content and submission of documents during bidding & execution of contracts, provision of Purchase preference under Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India and as amended time to time with modifications as notified vide MoPNG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-			

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		<p>41432) dated 26th April 2022 (including subsequent amendments thereof, if any) shall be applicable.</p> <p>Whether or not the bidders want to avail PP-LC benefit against this tender, it is mandatory for them to meet the following at the bidding stage:</p> <p>(a) The bidder must provide the specific percentage (%) of local content in their bid, without which the bid shall be liable for rejection.</p> <p>(b) The Bidder shall submit an undertaking from the authorised signatory of bidder having the Power of Attorney alongwith the bid specifying the LC Percentage and such undertaking shall become a part of the contract, if awarded [Format enclosed as PROFORMA-XIII].</p> <p>(c) Bidder to submit a copy of their Certificate of Incorporation/Registration or any other valid document(s) which substantially establishes its constitution in India.</p>			
<u>2.0 TECHNICAL EVALUATION CRITERIA</u>					
3	2.1	<p><u>EXPERIENCE CRITERIA:</u></p> <p>The bidder must have experience in successfully executing/ completing at least one “SIMILAR WORK” of minimum value of ₹ 3,16,33,500.00 (Rupees Three Crore Sixteen Lakh Thirty-Three Thousand Five Hundred only) under single contract during the last 07 (seven) years reckoned from the original bid closing date in Central Govt. / State Govt. / Public Sector Undertaking / State Govt. Enterprise / Upstream or Midstream or Downstream Oil and Gas Company.</p>			

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		<p style="text-align: center;">Or</p> <p>The bidder must have experience in successfully executing/ completing at least one “SIMILAR WORK” for minimum pipeline length of 104.00 km under single contract during the last 07 (seven) years reckoned from the original bid closing date in Central Govt. / State Govt. / Public Sector Undertaking / State Govt. Enterprise / Upstream or Midstream or Downstream Oil and Gas Company.</p>			
4	Notes to BEC Clause 2.1 above	<p>I. “SIMILAR WORK” means Experience in Installation and Commissioning of Permanent Cathodic Protection for hydrocarbon pipeline system (diameter of pipeline 8" and above) including supply of materials.</p> <p>II. Proof of requisite Experience, viz. award and subsequent successful execution/completion of “SIMILAR WORK” (refer Clause no. 2.1 above), must be substantiated by submission of the following documents along with the bid:</p> <p style="padding-left: 40px;">(A) Contract document/ Letter of Intent (LOI)/Letter of Award (LOA)/ Work Order showing detailed scope of work in line with Clause 2.1 above,</p> <p style="text-align: center; padding-left: 80px;">AND</p> <p style="padding-left: 40px;">(B) Job Completion Certificate showing:</p> <p style="padding-left: 80px;">(i) Gross value/quantity of job done</p> <p style="padding-left: 80px;">(ii) Nature of job done and Work order no./Contract no.</p> <p style="padding-left: 80px;">(iii) Contract period and date of completion</p> <p style="text-align: center; padding-left: 80px;">OR</p> <p style="padding-left: 40px;">SES (Service Entry Sheet)/Certificate of Payment (COP) issued by the company indicating the following:</p>			

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		<p>(i) Work order no./Contract no.</p> <p>(ii) Gross value/quantity of job done</p> <p>(iii) Period of Service</p> <p>(iv) Nature of Service</p> <p>III. Following work experience shall also be taken into consideration:</p> <p>(i) If the bidder has executed contract in which “SIMILAR WORK” defined above is also a component of the contract.</p> <p>(ii) In case the start date of the requisite experience is beyond the prescribed 07 (seven) years reckoned from the original bid closing date but completion is within the prescribed 07 (seven) years reckoned from the original bid closing date and the value/quantity/ period executed within the last 07 (seven) years reckoned from the original bid closing date is equal to or more than the minimum quantum prescribed in the BEC.</p> <p>(iii) If the bidder is executing “SIMILAR WORK” which is still running, and the contract value/quantity/ period executed prior to original bid closing date is equal to or more than the minimum quantum prescribed in the BEC.</p> <p>• For proof of requisite experience against Para (III) (i), (ii) & (iii) above, to satisfy a) “SIMILAR WORK” b) Minimum prescribed value/quantity/period c) Prescribed period of 07 (seven) years, Bidder(s) must submit the Contract document and Letter of Award (LOA) and Work Order showing details of work along with breakup of “SIMILAR WORK” and its value / quantity / period executed within the prescribed period of 07 (seven) years reckoned from the original bid closing date. The executed work must be certified by the end user and must be supplemented with</p>			
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		<p>a certificate clearly specifying the period and value, issued by end user or a practicing Chartered/Cost Accountant Firm (with Membership Number & Firm Registration Number).</p> <p>IV. In case of ‘SIMILAR WORK’ executed through ‘sub-contracting’, the bidder shall submit relevant documents as mentioned under para ‘II’ and/or ‘III’ mentioned under “Notes to BEC Clause 2.1 above”, along with confirmation towards consent of the client organization/end user for allowing ‘sub-contracting’.</p> <p>V. In case requisite experience is against <u>OIL's Contract</u>, the bidder need not submit requisite documentary evidence but must categorically specify OIL’s Contract Number and date against which they have executed the work.</p> <p>VI. Only Letter of Intent (LOI)/Letter of Award (LOA) or Work Order(s) are not acceptable as evidence of experience.</p> <p>VII. Mere award of contract(s) will not be counted towards experience. Successful completion of the awarded contract(s) to the extent of volume/value/period, as stipulated under Clause No. 2.1 will only be treated as acceptable experience.</p> <p>VIII. “SIMILAR WORK” experience executed by a bidder for its own organization/subsidiary/Joint Venture cannot be considered as experience for the purpose of meeting BEC.</p> <p>IX. Bids submitted for part of the “SIMILAR WORK” will be rejected.</p> <p>X. Bid will be rejected if not accompanied with adequate documentary proof in support of “SIMILAR WORK” experience as mentioned in Para 2.1.</p>			
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5	2.2	<p><u>EQUIPMENT DEPLOYMENT AND MANPOWER CRITERIA:</u></p> <p>2.2.1 Bidder shall meet the minimum equipment requirement as specified in Annexure- A to Part-III SCC of this tender.</p> <p><u>Documents Required for Qualification:</u></p> <p>A. The bidder shall submit the certificate from chartered accountant/ Statutory Auditor (for 'ownership / possession' of equipment) as per Format F-1 enclosed in the tender.</p> <p>B. The bidder must provide an undertaking in their official letter head with the declaration as follows:</p> <p><i>“During mobilization of the contract, the owned equipment as certified in Format F-1 shall be available at Duliajan for physical verification by a company representative, and in the event of failure to produce the equipment at Duliajan during mobilization, mobilization shall be construed as incomplete.”</i></p> <p>Bids without adequate documentary proof as per clause no. Bids received without adequate documentary proof as per clause no. 2.2.1 above, shall be liable for rejection.</p>			
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6		<p>2.2.2 Bidder must declare the name of their Cathodic Protection Engineer (1 person) and Technician (3 persons), and they shall be under the payroll of the bidder's company/ firm as "permanent employees", for at least past one year, with a minimum working experience as mentioned under SCC, sub-clause 20.0.</p> <p>To substantiate the permanent employment of employees, the bidder must submit the past one-year salary payment statements, PF documents along with bank transactions with the bid. Non submission of the same shall be liable for rejection.</p>			
<u>3.0 FINANCIAL EVALUATION CRITERIA</u>					
7	3.1	<p>Annual Financial Turnover from operations of the bidder during any of preceding 03 (Three) financial/accounting years from the original bid closing date should be at least Rs. 1,58,16,700.00 (Rupees One Crore Fifty-Eight Lakh Sixteen Thousand Seven Hundred only).</p> <p>[Annual Financial Turnover of the bidder from operations shall mean: "Aggregate value of the realisation 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).]</p>			
8	3.2	<p>Net worth of the bidder must be Positive for the preceding financial/accounting year.</p> <p>[Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium account (excluding revaluation reserves) – deferred expenditure – Miscellaneous Expenditure to the extent not</p>			

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		written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation".]			
9	Notes to BEC clause 3.0 above	<p>a. For proof of Annual Turnover & Net worth, any one of the following documents/photocopies must be submitted along with the bid:</p> <p>(i) Audited Balance Sheet along with Profit & Loss account. OR</p> <p>(ii) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), as per format prescribed in Proforma-XIV .</p> <p>Note: Mention of UDIN (Unique Document Identification Number) is mandatory for all Certificates issued w.e.f. February 1, 2019 by Chartered/Cost Accountant in Practice.</p> <p>b. Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months/within the due date for furnishing of audit report as per Section 139(1) of IT Act, 1961 (read along with latest circulars/notifications issued by CBDT from time to time) 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 undertaking in support of the same along with their technical bid as per Proforma-X.</p>			

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		<p>c. 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> <p>d. In case the bidder is a Government Department, they are exempted from submission of document mentioned under para a. and b. above.</p> <p>e. Bid will be rejected if not accompanied with adequate documentary proof in support of Annual turnover and Net worth as mentioned in Para 3.1 & 3.2.</p>			
<u>4.0 COMMERCIAL EVALUATION CRITERIA</u>					
10	4.1	The bids are to be submitted in single stage under Two Bid System i.e., Un-priced Techno-Commercial Bid and Price Bid together. Only the Price Bid should contain the quoted price.			
11	4.2	The price quoted by the successful bidder must be firm during the performance of the contract and not subject to variation on any account except as mentioned in the bid document. Any bid submitted with adjustable price quotation other than the above will be treated as non-responsive and rejected.			
12	4.3	Bid security shall be furnished as a part of the Techno Commercial Un-priced Bid. The amount of bid security should be as specified in the forwarding letter. Any bid not accompanied by a proper bid security will be rejected. PPP [Public Procurement policy] for Micro and Small			

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		Enterprises is not applicable for this tender (being works contract tender). Hence, Purchase Preferences allowed as per Government Guidelines in Vogue and exemption from submission of bid security against MSE Units is not applicable for this tender. For details of submission of bid security bidder may refer ITB Clauses Nos. 12.0 of the tender.			
13	4.4	Bid Documents/User Id & Password for OIL's E-Tender portal are not transferable.			
14	4.5	Any bid received in the form of Physical document/ Telex/Cable/Fax/E-mail will not be accepted.			
15	4.6	Bids shall be typed or written in indelible ink. The bidder or his authorized representative shall sign the bid digitally, failing which the bid will be rejected.			
16	4.7	Bids shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by bidder, in which case such corrections shall be initiated by the persons(s) signing (digitally) the bid. However, white fluid should not be used for making corrections. Any bid not meeting this requirement shall be rejected.			
17	4.8	Any bid containing false statement will be rejected and action will be taken by Company as per Bid Document.			
18	4.9	Bidders must quote clearly and strictly in accordance with the price schedule outlined in Price Bidding Format attached under "Notes and Attachments" tab in the main bidding engine of OIL's E-Tender portal; otherwise the bid will be rejected. All other techno-commercial documents other than price details to be submitted with Unpriced Techno-Commercial Bid as per tender requirement under "Technical Attachment" Tab Page only.			

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19	4.10	<p>Bidder must accept and comply with the following provisions as given in the Tender Document in toto, failing which offer will be rejected:</p> <ul style="list-style-type: none"> (i) Firm price (ii) EMD/Bid Security/Bid Bond (iii) Period of validity of Bid (iv) Price Schedule (v) Performance Bank Guarantee / Security deposit (vi) Delivery / Completion Schedule (vii) Scope of work (viii) Guarantee of material / work (ix) Liquidated Damages clause (x) Tax liabilities (xi) Arbitration / Resolution of Dispute Clause (xii) Force Majeure (xiii) Applicable Laws (xiv) Specifications (xv) Integrity Pact 			
20	4.11	There should not be any indication of price in the Un-priced Techno-Commercial Bid. A bid will be straightway rejected if this is given in the Un-priced Techno-Commercial Bid.			
21	4.12	Bid received with validity of offer less than 120 (one hundred twenty) days from Bid Opening Date will be rejected.			
22	4.13	The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide “ Part-VI/Integrity Pact ” of the tender document. This Integrity Pact proforma			

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		has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the Un-priced Techno-Commercial Bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid.			
23	4.14	Bidders shall submit declaration as per Appendix-1 that they are neither bankrupt nor undergoing any insolvency resolution process or liquidation or bankruptcy proceeding under any law OR no insolvency resolution process or liquidation or bankruptcy proceeding is initiated under any law against them.			
24	4.15	Bidders shall submit declaration as per Appendix-2 confirming that neither the bidder nor any of their allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently put on holiday list/banning list by OIL debarring them from carrying on business dealings with OIL.			
<u>5.0 PRICE EVALUATION CRITERIA</u>					
25	5.1	Price bid shall be opened in respect of only the techno-commercially acceptable bidders whose bids have been found to be substantially responsive. A substantially responsive bid is one that meets the terms and conditions of the Tender and/or the acceptance of which bid will not result in indeterminate liability on OIL.			
26	5.2	Bidders are required to quote for all the items as per Price Bid Format, otherwise the offer of the bidder will be straightway rejected.			
27	5.4	If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if			

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		there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.			
28	5.5	The quantities shown against each item in the "Price Bid Format" shall be considered for the purpose of Bid Evaluation. It is, however, to be clearly understood that the assumptions made in respect of the quantities for various operations are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameter, as the case may be.			
29	5.6	The bidders are advised not to offer any discount/rebate separately and to offer their prices in the Price Bid Format after considering discount/rebate, if any.			
30	5.7	Conditional and unsolicited discount will not be considered in evaluation. However, if such bidder happens to be the lowest recommended bidder, unsolicited discount without any condition will be considered for computing the contract price.			
31	5.8	In case of identical overall lowest offered rate by more than 1(one) bidder, the selection will be made by draw of lot between the parties offering the same overall lowest price			
32	5.9	Price Bids shall be evaluated on overall lowest cost to OIL (L-1 offer) basis i.e. considering total quoted price for all services including quoted GST (CGST & SGST/UTGST or IGST).			
33	5.10	OIL will prefer to deal with registered bidder under GST. Therefore, bidders are requested to get themselves registered under GST, if not registered yet. However, in case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST while evaluation of bid.			

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34	5.11	<p>Price Bid uploaded without giving any of the details of the taxes (Including rates and amounts) will be considered as inclusive of all taxes including GST.</p> <p>When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/Contracts will be binding on the bidder.</p>			
35	5.12	Input Tax Credit on GST (Goods & Service Tax) for this service is NOT available to OIL & the bids will be evaluated based on total price including GST.			
36	5.13	Based on the evaluation of techno-commercially qualified bidders, the job will be awarded to L-1 bidder.			
6.0 <u>GENERAL</u>					
37	6.1	In case bidder takes exception to any clause of bidding document not covered under BEC/BRC, then the Company has the discretion to load or reject the offer on account of such exception if the bidder does not withdraw/modify the deviation when/as advised by company. The loading so done by the company will be final and binding on the bidders. No deviation will however be accepted in the clauses covered under BEC/BRC.			
38	6.2	To ascertain the substantial responsiveness of the bid the Company reserves the right to ask the bidder for clarification in respect of clauses covered under BEC/BRC also and such clarifications fulfilling the BEC/BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be evaluated based on			

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		the submission. However, mere submission of such clarification shall not make the offer responsive, unless company is satisfied with the substantial responsiveness of the offer.			
39	6.3	If any of the clauses in the BEC/BRC contradict with other clauses of bidding document elsewhere, the clauses in the BEC/BRC shall prevail.			
40	6.4	Bidder(s) must note that requisite information(s)/financial values etc. as required in the BEC/BRC & Tender are clearly understandable from the supporting documents submitted by the Bidder(s); otherwise Bids shall be rejected.			
41	6.5	OIL will not be responsible for delay, loss or non-receipt of applications for participating in the bid sent by mail and will not entertain any correspondence in this regard.			
42	6.6	The originals of such documents [furnished by bidder(s)] shall have to be produced by bidder(s) to OIL as and when asked for.			
43	6.7	The constituent of a bidder [member/partner], if any, are not allowed to bid directly or indirectly (through any other arrangement) against this tender. In such cases, all such bids shall be categorically rejected.			
7.0 <u>PURCHASE PREFERENCE CLAUSE:</u>					
44	7.1	<u>PURCHASE PREFERENCE TO MSE BIDDERS:</u> Purchase Preference allowed as per Government Guidelines in Vogue and PPP [Public Procurement policy] for Micro and Small Enterprises is not applicable for this tender (being works contract tender).			
45	7.2	<u>PURCHASE PREFERENCE POLICY (LINKED WITH LOCAL CONTENT) (PP-LC):</u> Purchase preference under Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India and as amended time to time with modifications as notified vide MoPNG Order No. FP-20013/2/2017-FP-			

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		<p>PNG-Part (4) (E-41432) dated 26th April 2022, shall be applicable in this tender. Bidders to check the provisions of the Order for their eligibility to bid and seek benefits for Purchase preference, accordingly. Purchase preference will be applicable as per the Notification(s) and any amendment thereof.</p> <p>Bidders seeking benefits, under Purchase Preference Policy (PP-MII) shall have to comply with all the provisions of Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022 or subsequent amendments, if any.</p>			
8.0 AWARD OF CONTRACT: The contract for hiring of the tendered services shall be awarded as below:					
46		<p>A. L-1 bidder is a Class I PPLC bidder: In case if the L1 bidder is a Class I PPLC bidder, the contract shall be awarded to the L1 Class I PPLC bidder.</p> <p>B. L-1 Bidder is other than Class I PPLC: In case if the L1 bidder is not a Class I PPLC bidder, then preference shall be given to the lowest eligible Class I PPLC bidder falling within the price band of L1+20%. If such Class I PPLC bidder agrees to match the price of L1 bidder, then the contract shall be awarded to them, else offer shall be given to the next higher Class I PPLC bidder within price band of L1+20% and so on.</p> <p>In case none of the Class I PPLC bidder within price band of L1+20% accept the L1 price, then the contract shall be awarded to L1 bidder.</p>			
9.0 VERIFICATION AND CERTIFICATION OF DOCUMENTS BY INDEPENDENT THIRD- PARTY INSPECTION AGENCIES:					
47	9.1	<p>9.1 Oil India Limited (OIL) has engaged the following 09 (Nine) Independent Inspection Agencies for a period of 04 (four) years with effect from 06.05.2020 to verify and certify various documents required against BEC/BRC of the tender:</p>			

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Sl. No.	Name of Independent Inspection Agency	Contact E-mail ID			
i.	M/s. RINA India Pvt. Ltd.	a. ssd@rina.org b. Andrea.Vattuone@rina.org			
ii.	M/s. Dr. Amin Controllers Pvt. Ltd.	a. rkjain@rcaindia.net b. info@rcaindia.net			
iii.	M/s. DNV Inspection India Pvt. Ltd	a. mangesh.gaonkar@dnv.com			
iv.	M/s. TÜV SÜD South Asia Pvt. Ltd.	a. Jaimin.Bhatt@tuv-sud.in b. sanjaykumar.singh@tuv-sud.in c. Pankaj.Narkhede@tuv-sud.in d. Ajit.Yadav@tuv-sud.in			
v.	M/s. IRCLASS Systems and Solutions Private Limited	a. abhishek.singh@irclass.org b. pradeep.bansal@irclass.org c. Asim.Hajwani@irclass.org d. Amit.Ketkar@irclass.org e. industrial_services@irclass.org			

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		vi.	M/s. Gulf Llyods Industrial Services (India) Pvt. Ltd.	a. contact@gulflloyds.com b. bbhavsar@gulfllyods.com c. inspection@gulflloyds.com d. gulflloyds.india@gmail.com			
		vii.	M/s. TUV India Private Limited	a. salim@tuv-nord.com b. delhi@tuv-nord.com			
		viii.	M/s. TÜV Rheinland (India) Pvt. Ltd.	a. Shailesh.Deotale@ind.tuv.com b. ravi.kumar@ind.tuv.com c. rupeshkumar.singh@ind.tuv.com d. Neeraj.Chaturvedi@ind.tuv.com			
		ix.	M/s. Bureau Veritas (India) Private Limited	a. udit.chopra@bureauveritas.com b. vishal.sapale@bureauveritas.com c. dinesh.sukhramani@bureauveritas.com d. p.sridhar@bureauveritas.com e. hariprasad.jhawar@bureauveritas.com f. amit.shaw@bureauveritas.com			

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				g. business.support@bureauveritas.com h. labhanshu.sharma@bureauveritas.com i. pramodkumar.yadav@bureauveritas.com j. sonal.lad@bureauveritas.com k. bvindia.corporate@in.bureauveritas.com			
48	9.2	<p>The Bidders have to get verified and certified the various documents required against BEC/BRC of the tender by anyone of the above Independent Inspection Agencies and submit the duly certified Inspection Certificate (as per format enclosed as PROFORMA-XV) by the Inspection Agencies along with the Technical Bid of the Tender. All Charges of the Third-party Independent Inspection Agencies towards verification of bidder's documents and certification thereof shall be borne by the respective bidders and Payments on account of above inspection, verification and certification shall be made directly by the Bidder to the Inspection Agency(s). OIL will not be responsible for any payment dispute between Bidders and Third-Party Inspection Agencies.</p>					
49	9.3	<p>As mentioned above, Bidder(s) have to submit the verified documents along with the Technical Bids. Bid submitted with un-verified supporting documents shall not be considered. However, in case a bidder submits its bid along with all relevant supporting documents as per BEC/BRC without getting all/some of them verified by the designated Independent Inspection agency, such bid can be provisionally considered provided it is accompanied by an Undertaking by the Bidder on their official letterhead to submit the duly verified copies/verification certificate within 07 (Seven) days of bid opening. Company will neither send any reminder nor seek any</p>					

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		clarification in this regard from such bidders, and the bid will be rejected outright if the bidder fails to submit the verified copies/verification certificate within 07 (Seven) days of bid opening at its own risk and responsibility.			
50	9.4	<p>The methodology of inspection/ verification of documents followed by the agencies is broadly as under but not limited to:</p> <p>(a) It is obligatory on the part of the interested Bidders, who choose to participate against the tender, to understand the tender requirements in entirety and the requisite documents sought for in support of the Bid Rejection & Bid Evaluation Criteria (BEC/BRC) mentioned in the tender in particular. The Bidder must produce all the appropriate documents before any of the OIL's empaneled third-party certifying agencies for verification/certification. Neither OIL nor the third-party certifying agency shall be held accountable in any manner regarding the choice of documents by the bidder for verification. Therefore, getting the appropriate documents inspected/verified by the agency in support of BEC/BRC clauses is the sole responsibility of the Bidder.</p> <p>(b) The prospective bidder shall contact any of the empaneled inspection agencies. The agency shall go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. They shall depute their qualified/competent inspector to the Bidder's premises to check the original documents and certify the copies which the bidder shall submit along with their bids. OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL. Verification of documents by OIL's empaneled third-party agency shall not automatically make the bidder eligible for award of contract.</p>			

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		<p>(c) Verification of documents are normally categorized as under:</p> <p>i General Requirement:</p> <ul style="list-style-type: none"> • Check Bidder's PAN Card • Check Bidder's GST Certificate • Check ITR of company – last three years (minimum) • Check Bidder's Certificate of Incorporation – Domestic Bidder. <p>ii Additional Documents: (If applicable against the tender)</p> <ul style="list-style-type: none"> • Joint Ventures Agreements – To cross-check with JV Partners • Consortium Agreements – To cross-check with Consortium Partners • Holding/Parent/Subsidiary/Sister Subsidiary/Co-Subsidiary Company – To check the Share Holding pattern <p>iii Technical Criteria</p> <ul style="list-style-type: none"> • To check Experience Proof- Completion Certificates, Reference contact verification, Original Work Order/Contract Copy and any other document(s), if called for vide BEC/BRC of the Tender. <p><u>Notes:</u></p> <p>(i) If any documents LOI/LOA/Contracts etc. are submitted towards BEC/BRC experience criteria issued by Oil India Limited, such</p>			
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		documents need not be verified by TPI agency. (ii) Format for Inspection Certificate from TPI Agency as per format (Proforma-XV) enclosed should be submitted along with the Bid.			
51	10.0	RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES LAND BORDER WITH INDIA: Bidders must submit Undertakings as mentioned in the Forwarding Letter that their bid is compliant to Order No. F.7/10/2021-PPD (1) dated 23.02.2023 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division, Govt. of India (including subsequent amendments thereto, if any), regarding restrictions on procurement from a bidder of a country which shares land border with India.			
52	11.0	DOCUMENT AUTHENTICITY UNDERTAKING: Bidders should note that Company (OIL) may verify authenticity of all the documents/certificates /information submitted by the bidder(s) against the tender. In case at any stage of tendering process or Contract execution etc., if it is established that bidder has submitted forged documents / certificates / information towards fulfilment of any of the tender / contract conditions, Company shall immediately reject the bid of such bidder(s) or cancel / terminate the contract besides taking action as per OIL's Banning Policy, available in the OIL's website. Accordingly, service provider/vendor to submit the Undertaking of authenticity of information/documents submitted as per Proforma-IX .			

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53	12.0	CHECKLIST FOR BEC-BRC: Enclosed as TECHNICAL EVALUATION SHEET (PROFORMA-XVII) and COMMERCIAL CHECK-LIST (PROFORMA-XI). To be submitted along with the technical bid.			
54	13.0	<p>CUSTOMS DUTY: In terms of Sl. No. 404 of the Customs Notification No.50/2017-Cus dated 30.06.2017, imports of the items specified in List 33 of the Notification are subject to levy of concessional rate of customs duty @12% (BCD Nil & IGST @12%) subject to conditions specified therein (Condition No. 48). However, Condition No. 48 along with List-33 of the said notification has been amended vide Customs Notification No. 02/2022- Customs dated 01.02.2022.</p> <p>Similarly, the domestic supply of such goods would attract 12% GST (i.e. IGST or CGST & SGST/UTSGT) on submission of EC in terms of GST Notification No. 03/2017.</p> <p>Bidders shall take note of the prevailing customs notifications including the latest amendment vide gazette Notification No. 02/2022-Customs dated 01.02.2022 while quoting their prices. Bidder should consider concessional Customs Duty only for those items appearing in List-33 therein. Items of their import other than those appearing in List-33 of the said gazette notification shall be considered as duty payable on merit basis in their respective bid. OIL shall issue the requisite undertaking/certificate on request from Contractor for availing concessional rate of customs duty only against the items explicitly covered under List-33 of Customs Notification No. 02/2022-Customs dated 01.02.2022 or against any other item(s) subsequently declared by the competent authority during the tenure of the contract to be duty exempted/concessional. However, in the event of refusal/denial by Customs Authority to accord exemption/concession of Customs Duty against import of items which are explicitly covered under List-33 of Notification No. 02/2022- Customs dated 01.02.2022, such applicable</p>			

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		<p>customs duty shall be reimbursed at actual by OIL to the Contractor on submission of documentary evidence.</p> <p>Similarly, the items other than those appearing in List-33 of the said gazette notification, if to be imported by the Contractor for the purpose of execution of contract against this tender, the same shall be considered as duty payable on merit basis and the applicable customs duty thereof must be included by the bidder in their respective bid value. OIL will not issue any Undertaking/Certificate towards customs duty concession/exemption for those items (not included in List-33 of Notification) and the duty payable on merit shall be borne by the Contractor. However, any other item if subsequently notified by the competent authority to be Duty free/concessional during the tenure of the contract, OIL will issue requisite Certificate/Undertaking for Contractor to avail the Customs Duty benefit and the duty benefit must be passed on to OIL. Additionally, for all those items against which the bidder considers the Customs Duty on merit, the list specifying the Customs Duty Rate (percentage) may be furnished, so that subsequent increase/decrease in Customs Duty, if any shall be reimbursed/recovered by OIL as the case may be on documentary evidence.</p> <p>Bidders should submit the list of items which are to be imported for execution of the contract against this tender as per Proforma-A prudently along with their bid. Undertaking/Certificate for availing concessional rate of Customs Duty shall be issued by OIL only for the eligible items, provide the same are included in the Proforma-A submitted by the bidder.</p> <p>Note: The above stipulations shall prevail over other clauses if stipulated otherwise elsewhere in the original tender document/previous amendments. However, the aforementioned notifications are subject to</p>			
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		change as per Government guidelines and the provisions ruling at the time of Bid Closing will be applicable.			
55	14.0	<u>COMPLIANCE OF THE COMPETITION ACT, 2002</u> : The bidder shall strictly comply with the provisions of the Competition Act, 2002, more particularly, Section-3 of the Act. Any violation the provisions of the Act shall attract penal action under the Act.			