



FORWARDING LETTER

M/s _____

Subject: Tender No. SDG7042L22/06 Dated 22.05.2021 for Procurement of 02 Nos. of Cased Hole Logging Unit with Tools and Accessories along with Installation, Commissioning and Training

Dear Sir/Madam,

- 1.0 **OIL INDIA LIMITED (OIL)** is a premier National Oil Company engaged in the business of Exploration, Production and Transportation of Crude Oil and Natural gas. A Navratna Company under the Ministry of Petroleum and Natural gas, Government of India (GOI), 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 to its operations, OIL invites International Competitive Bids (ICB) from competent and experienced manufacturers through OIL's e-procurement site for **"PROCUREMENT, INSTALLATION & COMMISSIONING AND TRAINING OF CASED HOLE LOGGING UNIT WITH TOOLS AND ACCESSORIES"**. One complete set of Bid Document for above 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 Tender are highlighted below:

E-Tender No	:	SDG7042L22/06 Dated 22.05.2021
Type of Bidding	:	SINGLE STAGE TWO BID SYSTEM
Tender Fee	:	NOT APPLICABLE
Bid Closing Date & Time	:	30.06.2021; 11:00 HRS.
Pre-Bid Conference Venue, Date & Time	:	NOT APPLICABLE
Technical Bid Opening Date & Time	:	30.06.2021; 14:00 HRS.
Price Bid Opening Date & Time	:	To be decided later and shall be intimated separately to the technically qualifying bidders
Bid Security Amount	:	NOT APPLICABLE
Bid Security Validity	:	NOT APPLICABLE
Bid Submission Mode	:	Bids must be uploaded online in OIL's E-procurement portal
Bid Opening Place	:	Office of GM-Materials, Materials Department, Oil India Limited, Duliajan -786602, Assam, India.

Bid Validity	:	Bid should be valid for 120 days from actual bid closing date.
Original Bid Security to be submitted	:	Office of GM-Materials, Materials Department, Oil India Limited, Duliajan -786602, Assam, India.
Performance Security	:	Applicable @ 3% of Order value
Integrity Pact	:	Applicable
Contact Details	:	KUMAR ABHIMANYU, Manager Materials (FD) E-MAIL: kumar_abhimanyu@oilindia.in PHN: 0374-2808724
E-Tender technical Support	:	TEL: 0374- 2804903, 2807171, 2807192, E-MAIL: erp_mm@oilindia.in
Bids to be addressed to	:	GM-Materials, Materials Department, Oil India Limited, Duliajan -786602, Assam, India.

LIST OF ANNEXURES APPLICABLE

General Terms & Conditions	:	MM/GLOBAL/E-01/2005 for E-Procurement ICB Tenders
Annexure-I	:	List of Items and Quantities
Annexure-II	:	General Notes to Bidders
Annexure-III	:	NIT Specifications
Others	:	Any other document uploaded online in OIL's E-procurement portal.

3.0 OIL now looks forward to your active participation in the Tender.

Thanking You!
Yours Faithfully,
OIL INDIA LIMITED

(KUMAR ABHIMANYU)
Manager Materials (FD)
For GM-Materials (HoD)
For Resident Chief Executive

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ANNEXURE – I: AA :: LIST OF ITEMS AND QUANTITIES

SL NO	ITEM DESCRIPTION	QUANTITY
10	0C000390 CASED HOLE LOGGING UNIT WITH TOOLS & ACCESSORIES	01 NO.
20	0C000390 CASED HOLE LOGGING UNIT WITH TOOLS & ACCESSORIES	01 NO.
30	0C000390 MIT LOGGING TOOL WITH ACCESSORIES	02 NOS.
40	TRAINING AND INSPECTION (For NIT item no 10, 20, 30 & 60)	01 AU
50	INSTALLATION AND COMMISSIONING (For NIT item no 10, 20, 30 & 60)	01 AU
60	PRESSURE CONTROL EQUIPMENT	02 NOS.

ANNEXURE – II: BB :: GENERAL NOTES TO BIDDERS:

Sl No	Clause description
1.0	Tender fee is not applicable against this tender.
2.0	<p>No Bid Security / Earnest Money Deposit (EMD) shall be applicable till 31.12.2021. Instead of EMD / Bid Security, all the bidders shall be required to sign a “Bid securing declaration” accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the NIT/ Purchase order, they shall be suspended for the period of 2 (two) years. This suspension of two years shall be automatic without conducting any enquiry.</p> <p>Bidders shall submit “Bid Securing Declaration” as per enclosed ANNEXURE -E-V along with their Technical bids.</p>
3.0	A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.
4.0	<p>a) Bidders without having E-tender Login ID and Password should complete their online registration at least seven (7) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL’s E-tender site https://etender.srm.oilindia.in/irj/portal</p> <p>b) Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.</p> <p>c) Bidders are requested to go through the ‘Vendor User Manual’, ‘Guidelines to Bidders for participating in OIL e-tenders’, ‘New Instruction to bidders for submission of bid’ and ‘Vendor User Manual for e-tendering’ available in the e-portal home page before submitting offer in the e-portal</p>
5.0	The tender will be governed by “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to “General Terms & Conditions” for e- Procurement. However, if any of the clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the clauses in the “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.
6.0	Bid must be submitted online through OIL’s e-procurement portal. Bid submitted in any other form will be rejected.
7.0	Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribing tender no. and due

	<p>date to The CGM Materials, Materials Department, Oil India Limited, Duliajan-786602, Assam on or before 13:00 hrs (IST) on the Bid Closing Date mentioned in the Tender.</p> <p>a) Original Bid Security along with two duplicate copies of Bid Security. b) Any other documents which have been particularly asked for in this tender for submission.</p>
8.0	Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above-mentioned address before the bid closing date and time, failing which the offer shall be rejected.
8.1	<p>AMENDMENT OF TENDER DOCUMENTS</p> <p>a) At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the tender Documents through issuance of Corrigendum(s)/Addendum(s).</p> <p>b) The Corrigendum(s)/ Addendum(s) 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 Corrigendum(s)/ Addendum(s) 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.</p>
9.0	<p>The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Unpriced Bid" shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab "Notes and Attachments". Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.</p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 5px; background-color: #f0f0f0; margin-right: 10px;">Notes and Attachments</div> <div style="font-size: 24px; margin-right: 10px;">➡</div> <div style="background-color: yellow; padding: 2px 10px;">Only Price Details to be uploaded</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; background-color: #f0f0f0; margin-right: 10px;">Technical Attachments</div> <div style="font-size: 24px; margin-right: 10px;">➡</div> <div style="background-color: yellow; padding: 2px 10px;">All technical bid documents except price details</div> </div>
9.1	<p>Please do refer "NEW INSTRUCTION TO BIDDER FOR SUBMISSION" for the above two points and also please refer " New Vendor Manual (effective 12.04.2017) " available in the login Page of the OIL's E-tender Portal.</p>

	
10.0	In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that “TECHNO-COMMERCIAL UNPRICED BID should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFX Response-> User - > Technical Bid. No price should be given in above Technical Rfx otherwise the offer will be rejected. Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFX Response-> User - > Technical Bid only. The “PRICE BID” must contain the price schedule and the bidder’s commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under “Notes & Attachments”.
11.0	PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIAL & FINANCIALLY ACCEPTABLE.
11.1	The prices must be strictly submitted as per the price bid format only uploaded under tab “Notes & Attachment”. The prices/rates offered against the tender must remain firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price condition shall be treated as non-responsive and rejected. No discount whatsoever should be quoted separately. Rates/prices quoted must be net of all discount.
12.0	Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidder’s risk and may result in rejection of its offer without seeking any clarifications.
13.0	Please mention clearly in your quotation the Net. Weight, Gross Weight & Volume, Indian Agent's Name and its Commission, Payment Terms, Ocean Freight/Air Freight Charges, Port of Loading, Delivery period, Country of origin with manufacturer's name, etc.

13.1	All shipments of material and containerised cargo shall be made by suitable vessels certified for seaworthiness and complying with National/ International safety regulations.
13.2	Seller shall inform the shipping details (Vessel details, Estimated Time of Arrival etc.) immediately on receipt of Bill of Lading. Detention & Demurrages, if any, due to early arrival of vessel, shall be to bidder's account.
13.3	SHORT SHIPMENTS: Seller should thoroughly check all items in the packing before effecting shipment. If any item(s) are found short packed in sound boxes on examination at project site, Seller shall be responsible to supply short packed items free of charge on receipt of advice from Purchaser. Seller shall also be responsible to bear the import duty levied by Indian Customs on such short packed items.
13.4	Both Indian bidder and Foreign bidder must note that no trans-shipment en route is permitted. However, under exceptional circumstances, trans-shipment maybe allowed with prior consent of OIL. No charges shall be payable for such transshipment and consequent handling/storage of the goods.
14.0	To ascertain the substantial responsiveness of the bid, OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by OIL, failing which the offer will be summarily rejected. However, bidder(s) must note that there should not be any additional financial involvement arising out of such post tender clarifications.
15.0	Other terms and conditions of the tender shall be as per "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.
16.0	All the Bids must be Digitally Signed using "Class 3" digital certificate (e-commerce application) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3" digital certificate, will be liable for rejection.
16.1	OIL INDIA LIMITED (OIL) has upgraded its E-tender Portal. As part of the new system, the intending bidder must have Encryption Certificate along with Digital Signature Certificate (DSC) of Class III [Organization]. The date for implementation of new system is 12th April 2017 and the requirement of the new DSC will be applicable for the tenders floated on 12th April 2017 onwards. All our current and prospective esteemed bidders are therefore requested to acquire Class III DSC [Organization] along with Encryption Certificate issued by any of the Licensed Certifying Authorities (CA) operating under Controller of Certifying Authorities (CCA) of India as per Indian IT Act 2000. Guideline for getting Digital Signature and other related information are available on the e-tender website www.oil-india.com . The bid signed using any other digital certificate or digital certificate without organization name of the bidder, will be liable for rejection.
16.2	Encryption certificate is mandatorily required for submission of bid. In case bidder created response using one certificate (using encryption key) and bidder subsequently changes the 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 his response. Once decryption is done, the bidder may use his new DSC certificate for uploading and submission of his offer. It is the sole responsibility of the bidder to keep their DSC certificate properly. In case of loss of DSC certificate, Oil India Limited is not responsible.
17.0	A) Bidders are requested to go through “Vendor Manual” before submitting offer in system. B) Bidders are requested to go for “Guidelines to Bidders for participating in OIL” before submitting offer in system.
18.0	The items shall be brand new, unused & of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment or 12 months from date of receipt at site, whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.
19.0	Quantity of Individual item may be increased or decrease at the time of final placement of order. The minimum FOB/FCA charges in case of partial order for reduced quantity/enhanced quantity shall have to be indicated by the bidder. In case, this is not indicated specifically, the charges quoted would be pro-rata calculated and the same will be binding on the bidder.
20.0	Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.
21.0	Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.
22.0	Successful bidder shall be required to furnish a Performance Security equivalent to 3(three) percent (3%) of total Order Value within 30 days of receipt of LOI/notification of award. The performance security must be in the form of Bank Guarantee (Annexure – E IX) or in the form of a Bank Draft/Cashier's cheque/Banker's cheque to designated account of OIL or Fixed Deposit Receipt (account OIL INDIA LIMITED) or irrevocable Bank Guarantee or irrevocable Letter of Credit (LC) from: <p style="margin-left: 40px;">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 bidder/service provider, or</p> <p style="margin-left: 40px;">i) In case of foreign CONTRACTOR/service provider, the bank guarantee can be accepted from any scheduled bank in India or from International bank who has its branch in India registered with Reserve Bank of India. 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. Bank Guarantee issued by a Scheduled Bank of India at the request of some other Non-Schedule Bank of India shall not be acceptable</p> <p style="margin-left: 40px;">ii) 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.</p>

	<p>iii) 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.</p> <p>B) The Performance Security shall be denominated in the currency of the contract.</p> <p>C) The Performance Security specified above must be valid for minimum of 03 (three) months beyond the Warranty 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.</p> <p>D) 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 /unsatisfactory of the Contractor. Company shall not be required to proof any loss or damage on account of Contractor's non-performance/unsatisfactory performance.</p> <p>E) The Performance Security will not accrue any interest during its period of validity or extended validity.</p> <p>F) Bank charges, if any for submission of performance security shall be on supplier's account.</p> <p>G) The validity of Bank Draft/Cashier's cheque/Banker's cheque should not be less than 3 months at the submission to OIL.</p> <p>H) Non-submission of Performance Security as above by the successful Bidder shall lead to cancellation/termination of award including forfeiture of their Bid Security, besides other penal actions as per OIL's Banning Policy. Bidders should undertake in their bids to submit Performance Security as stated above.</p> <p>I) In case Annual Maintenance Contract (AMC) is required and OIL intends to enter into a separate contract with the successful bidder for AMC, the Successful bidder must undertake to submit separate Performance Security against the AMC at the applicable rate & validity to be stipulated in the contract.</p>
23.0	Bidder to sign and submit completely filled up Technical & Commercial check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification failing which their offer will be rejected.
24.0	<p>Payment terms: Refer to "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)</p> <p>80% payment will be made against supply of materials and balance 20% after satisfactory commissioning at site along with the installation & commissioning charges. Payment towards training will be released after successful completion of training.</p>

25.0	Liquidated Damage: Refer to “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). The applicable GST on the Liquidated Damage shall have to be borne by the seller. Accordingly, the Liquidated Damage shall be recovered from the seller along with applicable GST.
26.0	<p>The items covered in this Tender shall be used by Oil India Limited in the PEL/ML areas and hence Nil rate of Customs Duty towards import (for foreign bidders) and concessional GST @5% (for foreign & indigenous bidder) will be applicable as per Govt. Policy in vogue.</p> <p>Overseas Bidders are not required to include Customs Duty and IGST components in their quoted cost, since all applicable taxes & Duties in India shall be to the account of Oil India Limited.</p> <p>In the event of an order on indigenous bidder, OIL will issue Project Authority Certificate (PAC) under Deemed Export Benefit Scheme, where import content is declared by the bidder for availing Custom Duty benefit on the import content.</p> <p>Supplier shall arrange to provide all necessary documents (invoice etc.) to OIL for applying Essentiality Certificate on receipt of request from OIL, if any. Further, Suppliers shall affect dispatch only on receipt of relevant certificates/shipment clearance from OIL, failing which all related liabilities shall be to Supplier's account.</p> <p>In the event of the order, the successful bidder shall submit proforma/commercial invoice on or before 45 days of Delivery/Dispatch date stipulated in the order for processing Essentiality Certificate (EC) application</p>
27.1	In case of placement of order, OIL reserves the right to convert the order from FOB Port of export to C&F Kolkata term considering the ocean freight quoted by the party in their offer. In case the order is converted to C&F Kolkata Port, the performance security amount shall also be enhanced considering the quoted ocean freight charges.
27.2	Bidder should confirm in their quotation that in case of C&F order, their nominated freight forwarder should provide Delivery Order under Single Window facility having office of local agent in India at Kolkata and offer 14 days free detention time of containers at discharging port.
28.0	FURNISHING FRAUDULENT INFORMATION/ DOCUMENT: If it is found that a Bidder has furnished fraudulent document/information, the Bid Security/Performance Security shall be forfeited and the party will be debarred for a period of 3(three) years from date of detection of such fraudulent act, besides the legal action. In case of major and serious fraud, period of debarment may be enhanced. In this regard, bidders are requested to submit an Undertaking as per Annexure-E-III along with their offer failing which their offer shall be liable for rejection.
29.0	<p>Clauses related to GST</p> <p>1. For the purposes of levy and imposition of GST, the expressions shall have the following meanings:</p> <p>(a) GST - means any tax imposed on the supply of goods and/or services under GST Law.</p>

	<p>(b) Cess – means any applicable cess, existing or future on the supply of Goods and Services as per Goods and Services Tax (Compensation to States) Act, 2017.</p> <p>(c) GST Law - means IGST Act 2017, CGST Act 2017, UTGST Act, 2017 and SGST Act, 2017 and all related ancillary Rules and Notifications issued in this regard from time to time.</p> <p>2. The rates quoted by the bidders shall be inclusive of all taxes, duties and levies. However, bidders are required to provide separately the rate and amount of all types of taxes, duties and levies. In case, the quoted information related to various taxes, duties & 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 in case the rate of duty/ taxes finally assessed is on the lower side. Further, bidders have to clearly show the amount of GST separately in the Tax Invoices. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.</p> <p>3. Offers without giving any of the details of the taxes (Including rates and amounts) as specified above will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & 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> <p>4. Bidders are required to pass on the benefit arising out of introduction of GST, including seamless flow of Input Tax Credit, reduction in Tax Rate on inputs as well as final goods by way of reduction of price as contemplated in the provision relating to Anti-Profitteering Measure vide Section 171 of the CGST Act, 2017. Accordingly, for supplies made under GST, the bidders should confirm that benefit of lower costs has been passed on to OIL by way of lower prices/taxes and also provide details of the same as applicable. OIL reserves the right to examine such details about costs of inputs/input services of the bidders to ensure that the intended benefits of GST have been passed on to OIL.</p> <p>5. Oil India Ltd. shall declare the value of free issue of materials and services, if any, involved in the execution of the contract. The Contractor should consider the same while working out the GST liability, if any. Further in cases where GST is leviable on any facilities provided by OIL and used by bidders and the consideration for which is recovered by OIL in the form of reduction in the invoice raised by bidders then OIL will raise GST invoices on such transactions and the same will be reimbursed by bidders.</p> <p>6. When Input tax credit is available for Set Off Evaluation of L-1 prices shall be done based on Quoted price after deduction of Input Tax Credit (ITC) of GST, if available to OIL. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders.</p> <p>When Input tax credit is NOT available for Set Off Evaluation of L-1 prices shall be done based on Quoted price only. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders</p>
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	<p>7. Bidders agree to do all things not limited to providing GST compliant Tax Invoices or other documentation as per GST law relating to the supply of goods and/or services covered in the instant contract like raising of and /or acceptance or rejection of credit notes / debit notes as the case may be, payment of taxes, timely filing of valid statutory Returns for the tax period on the Goods and Service Tax Network (GSTN), submission of general information as and when called for by OIL in the customized format shared by OIL in order to enable OIL to update its database etc. that may be necessary to match the invoices on GSTN common portal and enable OIL to claim input tax credit in relation to any GST payable under this Contract or in respect of any supply under this Contract.</p> <p>8. In case Input Tax Credit of GST is denied or demand is recovered from OIL by the Central / State Authorities on account of any non-compliance by bidders, including non-payment of GST charged and recovered, the Vendor/Supplier/Contractor shall indemnify OIL in respect of all claims of tax, penalty and/or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. OIL, at its discretion, may also withhold/recover such disputed amount from the pending payments of the bidders.</p>
30.0	<p>For convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL's e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. In case the Price-Bid is invited by Company through attachment form under "Notes & Attachment" (i.e., NO PRICE Condition), Bidders must upload their detailed Price-Bid as per the prescribed format under "Notes & Attachment", in addition to filling up the "Total Bid Value" Tab taking into account the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Condition (i.e., Price Bid in attachment form), the "Total Bid Value" as calculated & quoted by the Bidder shall only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/omissions therein, if any. Notwithstanding to sharing the "Total Bid Value" or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the uploaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the e-tender.</p>
31.0	<p>The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure -XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact have been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway.</p> <p>OIL's Independent External Monitors at present are as under:</p> <p>SHRI SUTANU BEHURIA, IAS (Retd.), e-Mail ID : sutanu2911@gmail.com</p>

	<p>Shri Om Prakash Singh, IPS (Retd.), Former DGP, Uttar Pradesh e-mail: Ops2020@rediffmail.com</p> <p>Shri RUDHRA GANGADHARAN, IAS (Retd.), Ex-Secretary, Ministry of Agriculture e-mail id : rudhra.gangadharan@gmail.com</p>																														
32.0	<p>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 of various documents required against BEC/BRC of the tender:</p> <table><tr><th>Sl. No.</th><th>Name of Independent Inspection Agency</th><th>Contact E-mail ID</th></tr><tr><td>i.</td><td>M/s. RINA India Pvt. Ltd.</td><td>a. ssd@rina.org b. Andrea.Vattuone@rina.org</td></tr><tr><td>ii.</td><td>M/s. Dr. Amin Controllers Pvt. Ltd.</td><td>a. rkjain@rcaindia.net b. info@rcaindia.net</td></tr><tr><td>iii.</td><td>M/s. GermanischerLlyod Industrial Services GmbH (DNV GL- Oil & Gas)</td><td>a. mangesh.gaonkar@dnvgl.com</td></tr><tr><td>iv.</td><td>M/s. TÜV SÜD South Asia Pvt. Ltd.</td><td>a. Jaimin.Bhatt@tuv-sud.in b. sanjaykumar.singh@tuv-sud.in c. Pankaj.Narkhede@tuv-sud.in d. Ajit.Yadav@tuv-sud.in</td></tr><tr><td>v.</td><td>M/s. IRCLASS Systems and Solutions Private Limited</td><td>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</td></tr><tr><td>vi.</td><td>M/s. Gulf Llyods Industrial Services (India) Pvt. Ltd.</td><td>a. contact@gulflloyds.com b. bbhavsar@gulfllyods.com c. inspection@gulflloyds.com d. gulflloyds.india@gmail.com</td></tr><tr><td>vii.</td><td>M/s. TUV India Private Limited</td><td>a. salim@tuv-nord.com b. delhi@tuv_nord.com</td></tr><tr><td>viii.</td><td>M/s. TÜV Rheinland (India) Pvt. Ltd.</td><td>a. Shailesh.Deotale@ind.tuv.com b. ravi.kumar@ind.tuv.com c. rupeshkumar.singh@ind.tuv.com d. Neeraj.Chaturvedi@ind.tuv.com</td></tr><tr><td>ix.</td><td>M/s. Bureau Veritas (India) Private Limited</td><td>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</td></tr></table>	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. GermanischerLlyod Industrial Services GmbH (DNV GL- Oil & Gas)	a. mangesh.gaonkar@dnvgl.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	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 g. business.support@bureauveritas.com h. labhanshu.sharma@bureauveritas.com i. pramodkumar.yadav@bureauveritas.com j. sonal.lad@bureauveritas.com
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				<p>k. bvindia.corporate@in.bureauveritas.com</p>
<p>2.0 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 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> <p>3.0 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 normally considered. However, in case a bidder submits its bid alongwith 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 seven (7) days of actual 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 seven (7) days of actual bid opening at its own risk and responsibility. If a bidder does not submit the undertaking towards submission of third-party certification within 7 days from date of Bid Closing date, but certified document reaches us within the cut-off date of above seven (7) days, then such bids shall be considered.</p> <p>4.0 The methodology of inspection/ verification of documents followed by the agencies is broadly as under but not limited to:</p> <p>a) Oil India Limited will incorporate a relevant clause in the tender along with the list of empanelled inspection agencies where document verification pertaining to BEC/BRC of the tender is required. The prospective bidder will contact any of the empanelled inspection agencies against such tender. When prospective bidders approach any of the OIL's empanelled Inspection Agency, the agency will ask for the tender document and should go through the Tender Document, especially the requirements of BEC/BRC and list the documents to be verified. The inspection Agency 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.</p>				

OIL will reserve the right to ask the inspection agencies to verify the documents with source, if required **at no extra cost to OIL**. A copy of the Inspection Certificate shall be directly sent to the Concerned Tendering officer of OIL INDIA LIMITED, mentioned in the respective tender:

(a) Verification of documents are normally categorised as under:

➤ **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.

➤ **Additional Documents: (If applicable against the tender)**

- Joint Ventures Agreements – To Double-check with JV Partners
- Consortium Agreements – To Double-check with Consortium Partners
- Holding/ Parent/Subsidiary Company – To check the notarized Share Holding pattern

➤ **Technical Criteria**

- Experience Proof –To check Original Work Order as per BEC /criteria
- To check Company Name
- To check Similar Work Definition against Work Order, Scope of work (JV or Consortium too)
- To check the Execution period
- To Check the Completion Certificates – Letter of Appreciations of proper Execution
- Reference contact verification and true copy verification
- Match Original Work Order/Contract Copy with Soft Copies or notarized scan copies

➤ **Financial Criteria**

- Check Audited Balance Sheet – Turnover as per BEC along with the bidder's compliance with respect to the following clause:
- Considering the time required for preparation of Financial Statements, if the last date of the preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year _____ (as the case may be) has actually not been audited as on the Original bid closing date as per format'.
- Check Net-Worth – as per BEC
- Check Notarization validity
- Check original audited Balance Sheet with scan copies.
- To check the Line of Credit, if incorporated in the tender.

33.0	<p>APPLICABILITY OF BANNING POLICY OF OIL INDIA LIMITED:</p> <p>Banning Policy dated 6th January, 2017 as uploaded in OIL's website will be applicable against the tender (and order in case of award) to deal with any agency (bidder/contractor/supplier/vendor/service provider) who commits deception, default, fraud or indulged in other misconduct of whatsoever nature in the tendering process and/or order execution processes. Applicability of the policy shall include but not limited to the following in addition to other actions like invoking bid security/performance security/cancellation of order etc. as deemed fit and as mentioned elsewhere in the tender:</p> <ul style="list-style-type: none"> a) BACKING OUT BY BIDDER WITHIN BID VALIDITY b) BACKING OUT BY SUCCESSFUL BIDDER AFTER ISSUE OF LOA/ORDER/CONTRACT c) NON/POOR PERFORMANCE AND ORDER/CONTRACT EXECUTION DEFAULT <p>The bidders who are on Holiday/Banning/Suspension list of OIL on due date of submission of bid/ during the process of evaluation of the bids, the offers of such bidders shall not be considered for bid opening/evaluation/award. If the bidding documents were issued inadvertently/downloaded from website, the offers submitted by such bidders shall also not be considered for bid opening/evaluation/Award of Work.</p>
34.0	<p>1.0 Ministry of Finance of Govt. of India, Department of Expenditure, Public Procurement Division vide office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020 (order-Public Procurement no.1) has proclaimed the insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 w.e.f. 23rd July, 2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India on the grounds of defence of India on matters directly or indirectly related thereto including national security. Bidders are requested to take note of the following clauses and submit their offers accordingly wherever applicable.</p> <p>Bidders must submit duly sealed & signed undertaking as per format provided vide, "ANNEXURE-E-IV" along with the technical bid.</p> <p>I. 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.</p> <p>Validity of Registration:</p> <p>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.</p> <p>II. "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.</p> <p>III. "Bidder from a country which shares a land border with India "for the purpose of this Order means: -</p>

- 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.

IV. The beneficial owner for the purpose of (iii) above will be as under:

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;

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 or entitlement to more than fifteen percent of capital or profits of the partnership.

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 or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

5. In case of 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.

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

VI. The successful bidder shall not be allowed to sub-contract any job related to the procurement (e.g. installation and commissioning, Annual Maintenance Contract etc.) to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

35.0	<p>COUNTRY OF ORIGIN</p> <p>In case of imported items, the successful bidder shall submit “Certificate of Origin” issued only by “Chambers of Commerce” along with the shipping document.</p>
36.0	<p>TAX COLLECTIBLE AT SOURCE (TCS):</p> <p>Tax Collectible at Source (TCS) applicable under the Income-tax Law and charged by the SUPPLIER shall also be payable by OIL along with consideration for procurement of goods/materials/ equipment. If TCS is collected by the SUPPLIER, a TCS certificate in prescribed Form shall be issued by the SUPPLIER to OIL within the statutory time limit.</p> <p>Payment towards applicable TCS u/s 206C (IH) of Income Tax Act, 1961 will be made to the supplier provided they are claiming it in their invoice and on submission of following undertaking along with the invoice stating that:</p> <ol style="list-style-type: none"> TCS is applicable on supply of goods invoiced to OIL as turnover of the supplier in previous year was more than Rs. 10 Cr. and Total supply of goods to OIL in FY (As applicable) exceeds Rs. 50 Lakh and TCS as charged in the invoice has already been deposited (duly indicating the details such as challan No. and date) or would be deposited with Exchequer on or before the due date and TCS certificate as provided in the Income Tax Act will be issued to OIL in time. <p>However, Performance Security deposit will be released only after the TCS certificate for the amount of tax collected is provided to OIL. Supplier will extend the performance bank guarantee (PBG), wherever required, till the receipt of TCS certificate or else the same will be forfeited to the extent of amount of TCS, if all other conditions of Purchase order are fulfilled.</p> <p>The above payment condition is applicable only for release of TCS amount charged by supplier u/s 206C (I H) of Income tax Act, 1961.</p>
37.0	<p><u>TAX RESIDENCY CERTIFICATE CLAUSE</u></p> <ol style="list-style-type: none"> In accordance with Income Tax Act, 1961 Foreign bidders shall undertake in their Technical bid that in the event of placement of order on them, they shall submit below documents within 15 days from the date of issue of Purchase order. The documents are required to be furnished by OIL to Income Tax Department for complying with the requirements for making remittances to non-residents as per Income Tax Act, 1961 (as amended from time to time): <ol style="list-style-type: none"> Tax Residency Certificate (TRC) Form No. 10 F (ANNEXURE – E VI) No Business Connection or Permanent Establishment Certificate (ANNEXURE – E VII)

	<p>ii. Payment to Foreign supplier shall be released only after receipt of the above documents. Any delay in submission of Tax Residency Certificate (TRC), Form No. 10 F (Annexure -1) and/or PE certificate (Annexure -2) within specified time may lead to the Income Tax Department directing OIL to deduct tax at a higher rate than at which it may otherwise have directed. Such increased tax liability shall be recovered from the Foreign Supplier.</p> <p>iii. In addition to above particulars, the Foreign supplier should also provide any other information as may be required later for determining the taxability of the amount to be remitted to the non-resident. Further, the foreign supplier shall be liable to intimate the subsequent changes (if any) to the information submitted against any of the above particulars, along with full details.</p>
38	<p>In case any payment receipt of the foreign bidder against the order is subject to tax deduction at source in India, the Bidder shall quote their prices gross of Indian income tax. i.e., inclusive of Indian Income Tax at the applicable prevailing rate as per Indian Income Tax rules. OIL shall deduct at source the tax as applicable while making payments against each invoice for the services in India. Certificate for Tax Deducted at Source (TDS) shall be provided to the Seller.</p>
39.0	<p>POLICY TO PROVIDE PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT) (PPLC)</p> <p>Bidders to note that Ministry of Petroleum & Natural Gas, Government of India implemented PPLC Policy to provide Purchase Preference (linked with local content) by notification no. Ref. FP-20013/2/2017-FP-PNG dtd. 17.11.2020 and amended from time to time. Clause on applicability of Purchase Preference (linked with local content) policy in the tender is furnished as Annexure- EVIII of the tender document. PP-LC Policy (including its latest modifications/amendments) as may be prevailing on the date of Price Bid Opening shall be applicable against this tender. Bidders are requested to go through the policy and take note of the following while submitting their offer.</p> <ol style="list-style-type: none"> 1. <u>Certification and Verification</u> Class I/Class II Local suppliers are eligible to bid only if they meet the local content norms, therefore whether or not they want to avail PP-LC benefit, it will still be mandatory for them to give adequate documentation as follows to establish their status as class-I or class-II local supplier: <ol style="list-style-type: none"> (i) <u>At bidding stage:</u> <ol style="list-style-type: none"> a) Price Break-up: <ul style="list-style-type: none"> • The bidder shall provide the percentage of local content in the bid. b)

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall 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 practising chartered accountant (in respect of other than companies) giving the percentage of local content.
- However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

(ii) After Contract Award

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall 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 practising chartered accountant (in respect of other than companies) giving the percentage of local content.
- However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

2. Each supplier shall provide the necessary local-content documentation to the statutory auditor, which shall review and determine that local content requirements have been met, and issue a local content certificate to that effect on behalf of procuring company, stating the percentage of local content in the good or service measured. The Auditor shall keep all necessary information obtained from suppliers for measurement of Local Content confidential.
3. The Local Content certificate shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
4. As regards cases where currency quoted by the bidder is other than Indian Rupee, exchange rate prevailing on the date of notice inviting tender (NIT) shall be considered for the calculation of Local Content.

The Procuring Company shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.

ANNEXURE – III :: NIT SPECIFICATIONS

SECTIONS	INDEX
SECTION-A	AUTOMOBILE & HYDRAULIC SECTION
SECTION-B	LOGGING SECTION
SECTION-C	TRAINING AND INSPECTION
SECTION-D	INSTALLATION AND COMMISSIONING
SECTION-E	BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)
APPENDIX-B1	TECHNICAL EVALUATION CHECKLIST – AUTOMOBILE & HYDRAULIC SECTION
APPENDIX-B2	TECHNICAL EVALUATION CHECKLIST – LOGGING SECTION
APPENDIX-B3	BRC/BEC EVALUATION CHECKLIST
APPENDIX-B4	BIDDERS PAST SUPPLY PROFORMA
APPENDIX-B5	INVOICE PROFORMA
APPENDIX-B6	PRICE BID FORMAT

TECHNICAL SPECIFICATIONS FOR ALL TWO CASED HOLE LOGGING UNITS WITH LOGGING TOOLS AND ACCESSORIES

PREAMBLE

OIL INDIA LIMITED (OIL) intends to procure 02 (TWO) nos. of new, state-of-the-art, heavy duty, computerized, truck-mounted, integrated Cased Hole Logging Unit with downhole logging tools and accessories to carry out Wireline Cased Hole services and logging operations in Oil and Gas wells.

The Cased Hole Logging Units must be a Computerized Truck mounted integrated Unit of latest technology. The Unit should cater to Wire Line Cased Hole services and logging operations in oil & gas wells up to 6500 meters depth. It must have all basic fittings and performance specifications conforming to logging operations as per international standards in addition to those specified below.

SECTION – A :: AUTOMOBILE AND HYDRAULIC SECTION

The Logging Units should be ergonomically designed, heavy duty type logging unit to be used in rough terrain, typical oil field roads and desert environment. The bidder(s) should confirm that the offered model will be suitable for mounting complete logging cabin with all requisite hydraulic, pneumatic systems, tool racks etc. with documentary evidence. Complete specifications along with drawings, catalogues shall be provided along with the technical bid. The model offered should be state-of-art and conform to international quality standard norms.

1. 0 TRUCK CHASSIS:

The Truck chassis shall be new of **Make: Ashok Leyland/ Tata / Mahindra / Eicher / Bharat Benz / Volvo / Scania / Kenworth / International / Peterbilt / Mercedes-Benz/ MOL CY NV / MAN** having specifications, fitments, accessories etc. mentioned in the tender.

Note: The Technical leaflets/brochure of the offered model Truck chassis shall be submitted along with the technical bid.

1.1 DIMENSIONS & WEIGHT OF THE COMPLETE UNIT WITH LOGGING CABIN ETC.:

- a. Overall Width: Not more than **2.6 Meter**
- b. Overall Height: Within **4.0 Meter** from ground level.

- c. Overall Length: Not more than **12 meter**.
- d. Ground Clearance: Ground clearance of the offered Truck shall be not less than **25 CM**. For operational convenience, the add-on equipment i.e. subsequently mounted components on the original chassis should be mounted at height preferably not less than **45 CM** from ground level. It shall be bidder's endeavor to mount subsequently fitted undercarriage components (i.e. other than originally mounted components) at maximum possible height to avoid hitting/fouling while moving on uneven roads.
- e. Total Laden Weight i.e. Total mass: Within **30,000 KG**.

Total laden weight i.e total mass is the weight of the complete unit with all equipment & fittings i.e. total of weight of the Truck with Driver's cabin, weight of well logging cabin, rear cabin and all logging equipment like Drums, Cables etc. that are permanently mounted on the unit, weight of other tools, accessories, items, pumps, motors, hoses etc. that are generally being mounted/ carried / kept in the unit, spare wheel, hydraulic oil, diesel etc. Total laden weight i.e. total mass of the complete unit must be within the Truck manufacturer's Gross Vehicle Weight rating of the offered Truck. **The bidder shall clearly mention the Truck manufacturer's Gross Vehicle Weight rating of the offered Truck and total laden weight (i.e. total mass) of the complete unit.**
- f. The bidder shall submit GA (General Arrangement) drawing of the complete unit along with the Truck, logging cabin & rear cabin showing the major dimensions of the complete unit along with the technical bid.

1.2 **EMISSION NORMS:**

The offered Truck(s) shall have to comply with the emission norms **BS-VI (Bharat Stage-VI)/ EURO-VI**. The units shall be equipped with an On-Board Diagnostic system conforming to relevant OBD norms, as applicable.

1.3 **ENGINE:**

Water cooled, diesel fuel Engine developing maximum power in the range of **350-450 HP(Approx.)** at rated RPM suitable for road drive of the Truck as well as logging operation up to a depth of **6500 meter** shall be provided. The bidder must offer engine of Make: **Ashok Leyland/ Tata / Mahindra / Eicher / Bharat Benz / Volvo / Scania / Caterpillar / Cummins / International / Mercedes-Benz/ MAN**.

1.4 **TRANSMISSION:**

Suitable model of fully automatic / automated transmission having minimum 05 (five) forward gears, neutral & minimum 01 (one) reverse gear(s) with suitable shifter and without clutch pedal as supplied with chassis by the OEM of the offered Truck shall be provided for both road

drive of the Truck and logging operation. The offered Transmission shall be compatible with the Engine. Suitable PTOs/transfer case/drivelines etc. as per design / requirement shall be provided. The make and model of the offered transmission, transfer case (if any), PTOs etc. shall be clearly mentioned in the technical bid with supporting technical leaflets.

Manual Transmission with clutch pedal is not acceptable.

The bidder(s) shall submit the power flow block diagram for both road drive & logging operation from Engine indicating the major components along with the technical bid.

1.5 DRIVE:

6x4 Drive (One non-powered front steer axle & two powered rear drive axles), rear axle drive.

1.6 STEERING:

The offered Truck shall have Hydraulic power assisted steering and shall be right hand driven (i.e. Steering wheel shall be on right hand side inside the Driver's cabin when viewed from rear of the Truck) Truck. **Left hand driven Truck (i.e. Steering wheel on left hand side inside the Driver's cabin when viewed from rear of the Truck) is not acceptable.**

Minimum turning circle (MTC) radius should not be more than 20 Meter.

1.7 SUSPENSION:

- a. **Front suspension:** Heavy duty multi-leaf spring suspension of suitable design. **Air/Hydraulic suspension at front is not acceptable.**
- b. **Rear Suspension:** Preferably heavy duty Rocker Beam (Walking Beam) suspension with auxiliary leaf springs or air cushion support/Bogie suspension system of suitable design as per design load shall be provided. The bidder shall clearly mention the Make & Model of the offered rear suspension and submit the technical leaflet/brochure with technical details of the offered rear suspension in the technical bid. **Hydraulic suspension will not be accepted.**

1.8 AXLES:

- a. **Front Axle:** Steer axle as per design. The bidder shall clearly mention the axle capacity, axle loading of the offered front axle in the technical bid.
- b. **Rear Axles:** As per design. The bidder shall clearly mention the Make & Model, axle capacity, axle loading of the offered rear axles and submit the technical leaflet/brochure with technical details of the offered rear axles in the technical bid. **Rear axles shall have differential lock facility.**
- c. Actual loading on each individual axle (all front and rear) shall be within maximum load bearing capacity of the respective axle.

1.9 WHEELS & RIMS:

Wheels (Total- 02 Nos. at Front Axle, Total- 08 Nos. at Rear Axles) with Tube & Tyre of adequate ply rating are to be provided. The bidder shall clearly mention the Tyre size of both front wheels and rear wheel etc. in the technical bid.

Suitable lifting and mounting arrangement facility for atleast one number of spare wheel shall be provided in the vehicle. Single giant tyre(s) are not acceptable.

1.10 BRAKE:

- a. **Service Brake:** Foot pedal operated, Multiple Circuit Pneumatic brake acting on **all wheels with ABS shall be provided.**
- b. **Parking/Emergency Brakes:** Hand Operated Parking Brake shall be provided. It shall automatically get engaged in the event of low/no air pressure.
- c. Buzzer warning for low pressure.

1.11 FUEL TANK:

The fuel tank shall be of adequate capacity to cater fuel demand for at least 30 hours of continuous full load logging operation. Suitable strainer at the opening of the tank to prevent entry of foreign materials and locking arrangement shall be provided. The bidder shall clearly mention the capacity of the fuel tank(s), number of fuel tank fitted in their offered truck in the technical bid. The bidder shall also mention the fuel consumption per hour for full load logging operation of their offered Truck in the technical bid.

1.12 DRIVER'S CABIN:

Originally built & supplied with chassis by chassis manufacturer, ergonomically designed steel/aluminum Driver's cabin complete with all standard fittings/accessories. The driver's cabin shall have seating capacity minimum 02 (two) nos. including the Driver. The driver's seat & co-driver's seat should be comfortable and ergonomically designed with adjustable mechanism and seat belts. The bidder shall clearly mention the seating capacity in the Driver's cabin.

- 1.13** The offered truck shall have Air Bag for Driver. Air Bag for Co-driver shall be as per norms.

- 1.14** The offered Truck shall have Speedometer indicating the speed in Kilometers per hour.

- 1.15** The offered Truck shall have vertical exhaust located behind and projected above the top of the driver's cabin. The exhaust pipe shall be warped with thermal non-conducting material. Moreover, the exhaust pipe shall be such that, rain water ingress shall not be possible.

- 1.16** The engine exhaust of the offered Truck shall be fitted with suitable spark arrestor.

Note: The Spark Arrestor may be additional attachment to be fitted with the exhaust or an internal mechanism to prevent discharge of open flame and sparks in the exhaust. In case Spark Arrestor is not needed /recommended separately as per the Truck manufacturer, the bidder shall submit supporting document(s) from the Truck manufacturer along with the technical bid

- 1.17** Well covered battery box, suitable electrical Master Switch to engage/disengage all electrical circuits from battery shall be provided in the units.

- 1.18** The electrical connections, other than those comes along with the Truck, shall be suitable to operate in oilfield area. The lightings shall comply road vehicle lighting regulations. Screw-in bulbs shall not be used as far as possible. The electrical wirings shall be fixed and protected as to minimize accidental damage or undue wear. The wirings shall be insulated and the electrical circuits shall be protected against overloading by fuses or automatic cut-outs. Adequate steps shall be taken to ensure electrical continuity and wherever necessary, components shall be bonded by copper straps. The junction boxes, if any, shall be sealed. Lights shall be covered to the extent possible with suitable guard to prevent damage.

- 1.19** Amongst other safety systems as per manufacturer's standard, the logging unit(s) shall be fitted with emergency Engine Shut-off System for hazardous condition.

- 1.20** All gauges & meters including Engine Tachometer & Hour Meter as per standard inside the driver's cabin are to be provided. It shall be bidder's endeavor to provide the Engine Oil Pressure & Temperature meters, Air Pressure Meter, Transmission Oil Pressure & Temperature meters (if any) with high-low warning buzzers in dash board. In addition, similar types of Engine Oil Pressure & Temperature meters, Engine Tachometer as well as Transmission Oil Pressure & Temperature meters (if any) shall be provided inside the logging cabin. The temperature gauge should have centigrade scale.

1.21 FITTINGS ACCESSORIES & TOOLS ETC.:

The units shall be driven on roads in India having traffic rules for Right Hand Drive vehicles only. Accordingly, **each unit** shall be fitted with the following for safe movement of the unit on road etc.

- a. All standard accessories, fittings, lightings, safety features etc. as per the Truck manufacturer.
- b. Headlamps. The photometry of the headlamps to suit "keep-left" traffic.
- c. Stop Lamps
- d. Parking Lamps
- e. Direction Indicator Lamps
- f. Hazard Warning Lamps
- g. Driver Cabin Lights

- h. Horn
- i. Rear View Mirrors at both Sides
- j. Windscreen Wipers
- k. Mud Guard with Mud Flaps
- l. Reflector / Marker Lights
- m. Two Nos. of Flood Lights in suitable location for Night Operation.
- n. An audible back-up alarm to sound when the Truck is put in reverse gear.
- o. Vehicle Tracking System (VTS) / Global Positioning System (GPS).
- p. The Truck is to be fitted with Speed Limiting Device (SLD) & its accessories. The maximum road speed of the Truck with Speed Limiting Device shall preferably be 50 Km/hour without affecting the other performance parameters of the Truck in any manner. The speed limitation function shall not actuate the Truck's service braking system. The Speed Limiting Device shall be failsafe.
- q. Retro reflective marking (3m make or equivalent, 50 mm width) on the front, rear and both side of the Driver's cabin as per the colour code- Front: White, Rear: Red and Sides: Yellow as per AIS: 090 / applicable standard.
- r. Wherever feasible, Side/Lateral Underrun Protective Device (SUPD)s, Front Underrun Protective Device (FUPD), Rear Underrun Protective Device (RUPD) shall be fitted in the unit.
Note: FUPD/SUPD/RUPD are structures that prevent smaller vehicles from getting underneath etc. during collision as per AIS 069, IS: 14812, IS: 14682 or similar.
- s. Suitable heavy-duty Towing Hooks both at front and rear capable of pulling/towing the unit from bogged down situation in slushy areas in oil fields from front as well as rear to be provided.
- t. Rear view camera with display inside the Driver's compartment shall be fitted in each Truck for clear rear view by the Driver while reversing the unit(s).

1.22 The following shall be supplied along with **each unit:**

- a. 01 No. Fire Extinguisher inside Driver's Cabin.
- b. 01 No. First Aid Box inside Driver's Cabin.
- c. Wheel wrench & handle.
(In case the wheel nuts are of different size, then separate Wheel Wrenches & Handle shall be supplied for each size of wheel nuts).
- d. 04 Nos. foldable wheel chocks to prevent accidental movement of unit while in stationary position.
- e. 02 (two) Nos. minimum 30 MT capacity hydraulic jack with handle.
- f. 02 (two) Nos. of complete spare wheel assembly (Rim, Tyre with Tube, flap etc.) for front and rear wheels even in case of same front and rear wheels.

1.23 Tool Kit as given below shall be supplied along with the units:

- a. Set of Ring Spanners [Sizes(mm): 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32].
- b. Set of Open Ended Spanners [Sizes(mm): 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32].
- c. 6 Inch Long Nose Plier- 01 No.
- d. Screw Driver (Small, Medium, Long) - 03 Nos.
- e. 8 Inch Adjustable Wrench- 01 No.
- f. Hammer with Handle - 1 No.
- g. Chisel - 02 Nos.
- h. Center Punch - 01 No.
- i. Drift Punch - 02 Nos.
- j. File, Flat, Bastard Cut with Handle, 10 Inch- 1 No.
- k. File, Flat, Smooth Cut with Handle, 10 Inch- 1 No.
- l. Brass Punch- 1 No.
- m. Oil Can- 1 No.
- n. Tool Box for above tools- 1 No.

2.0 HYDRAULIC SYSTEM FOR LOGGING OPERATION

The hydraulic system for logging operation shall be as per manufacturer's design. However, the design shall ensure that the brakes of winch drum remain engaged until and unless the brakes are released. All hydraulic hoses shall be properly marked (at both the ends) for easy identification during maintenance/replacement.

3.0 MAKES & MODELS OF MAJOR COMPONENTS:

It shall be bidder's endeavour to offer the following items as per Makes indicated against each item (other suitable makes & models are however equally acceptable in case of operational and/or design requirements supplemented with **proper justification**).

Sl.No.	Equipment	Make
a	Hydraulic Pump & Motors	Rexroth / Parker/Eaton / Sauer Danfoss
b	Transfer Case (if any):	Fabco/ Volvo / Mercedes-Benz/SCANIA/MAN / Ashok Leyland / Tata/ Mahindra/ Eicher / Bharat Benz/ Scania
c	Torque Hub (if any):	Fairfield (In case of direct drive).
d	Gear Box for Winch Operation (if any):	Funk (In case of Chain Drive).
e	Tyre Size (Truck):	Front/Rear- 425/65 R22.5 or 315/80 R-22.5 or 295/75 R 22.5 or 11.00 R 22.5 or 295/80 R 22.5 or 14.00X20 or 12.00X20 of suitable Ply rating or as per OEM of

the offered Truck.

- f. Hoses to be Used Parker/Gates/Eaton/Power Grip
should be of Make

4.0 MANUALS & CATALOGUES:

The following Manuals & Catalogue in printed form in English Language shall be supplied along with the units in addition to supply of the same in compact disc (CD) format / USB Format. Supply of the manuals/catalogues only in compact disc format / USB Format is not acceptable. Similarly, all the manuals & catalogues shall contain only those components/systems that have been used in the units i.e. the same must be CUSTOM ILLUSTRATED MANUALS/ CATALOGUES ONLY – not the generalized ones. **COMMISSIONING OF THE UNIT SHALL NOT BE CONSIDERED AS COMPLETE UNTIL & UNLESS ALL THE PRINTED MANUALS/CATALOGUES ARE SUPPLIED.**

- a. 03(three) sets of printed Spare Parts Catalogue with Part Numbers and Workshop & Service Manual in English Language for all components/systems of the Truck chassis like Engine, Transmissions, PTOs, steering system, axles, brake, suspension, electrical & pneumatic systems etc. with complete schematics of electrical, pneumatic circuits.
- b. 03(three) sets of printed Spare Parts Catalogue with Part Numbers and Workshop & Service Manual in English Language for all components/systems of the hydraulic systems for logging operation like hydraulic pumps, motors, winch drums, torque hub / gearbox of winch drums, spooler arm, electrical/electronic control system of hydraulic operations, control panel circuitry etc. complete with all pneumatic / hydraulic schematics (circuits) showing and labeling all components including hoses/pipes. Above shall be complete with functional logic explanation.
- c. Part wise vendor/ manufacturers' lists are to be provided along with the supply.

5.0 SPARE PARTS:

All spares in specified quantity as indicated in the Automobile Spare Parts List vide **Para-7.0 (Annexure-A1) below** shall be supplied along with the units. Specific description, Part Numbers, Make and Quantity etc. of each and every item (spare) shall clearly be indicated in the bid.

6.0 BID SUBMISSION & DOCUMENTATIONS:

Bidder's response to all NIT stipulations should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model etc. Generalized response like - 'As per NIT

Specifications/Technical Leaflet', 'Noted', 'Accepted' or in any similar fashion is not encouraged.

6.1 The following documents shall be **submitted along with the bid**:

- a. Technical leaflets with detailed specifications, Make & Model of Truck chassis, Engine, Transmission, power take off (PTO) unit, transfer case (if any), axles, suspensions system etc. along with the technical bid.
- b. GA (General Arrangement) drawing of the complete unit along with the Truck, logging cabin & rear cabin and all major items/components showing the major dimensions of the complete unit along with the technical bid.
- c. Technical leaflets with detailed specification, Make & Model of all hydraulic pumps, motors, torque hub / gearbox of winch drums, brake mechanism of winch drums etc. along with the technical bid.
- d. The bidder(s) shall submit the power flow block diagram for both road drive & logging operation from Engine indicating the major components along with the technical bid.
- e. Specific description, Quantity, UoM etc. of each and every spare as detailed in the Spare Parts List provided in the NIT. **These shall be considered for bid evaluation.[Ref. Para-7.0(A1) (Annexure-A1)]**.
- f. List of additional spares, if any, for 02 (Two) year maintenance as felt necessary but not covered in the Spare Parts List provided in the NIT with Description, quantity, Part Nos., Make etc. **(for future reference/procurement only, not for bid evaluation).** [Ref. Para-7.0 (A2)].
- g. A Checklist as per enclosed format (**Annexure-A3**) shall be furnished along with the technical bid.

6.2 The following documents are to be submitted along with the **supply of each unit**:

The bidder shall categorically confirm the compliance of the same in the technical bid.

- a. Following documents etc. in the name of Oil India Limited, Duliajan, Assam-786602 required for registration of the unit with government transport authority in Assam in India shall be provided in original along with the supply:
 - i. Invoices
 - ii. Sale Certificate, Pollution & Roadworthy Certificate in similar format of Form 21, 22 & 22A (sample copies enclosed) as per Motor Vehicle Act, 1988 and Central Motor Vehicle Rules, 1989 of India.
 - iii. Emission Norms Certificate

- iv. Necessary certification/documentation from appropriate authority regarding the Vehicle Tracking System (VTS) / Global Positioning System (GPS).
 - v. Necessary certification/documentation from appropriate authority regarding the Speed Limiting Device (SLD).
- b. Notwithstanding any clause mentioned elsewhere in the NIT, the Invoice shall be submitted in 02 (Two) parts separately as under for each complete unit:
- i **Invoice for Truck chassis and Driver's cabin & logging cabin:**
It shall include the cost of the Truck chassis with Driver's cabin and cost of fabrication of the logging cabin only.
 - ii **Invoice for logging equipments:** It shall include cost of all other equipment, draw works, hydraulic system, winch, tools, accessories, etc. subsequently fitted in the original Truck chassis and supplied separately as part of the unit.
- c. **Type Approval Certification** of the vehicle as per Motor Vehicle Act, 1988 & Central Motor Vehicle Rules, 1989 of India or Type Approval Certificate/COP of the vehicle as per Chapter-87 of ITC (HS), 2012, Schedule-1- Import Policy, Section: XVII of India as the case may be. Bidder to note that, in case of imported vehicle, Type Approval Certificate/COP for the complete vehicle shall be required for custom clearance of the units as per prevailing Indian import policy conditions/guidelines. In this regard, the bidder is requested to note the conditions given in Chapter-87 of ITC (HS), 2012, Schedule-1- Import Policy, Section: XVII of India. This Type Approval Certificate/COP should be obtained from international accredited agencies approved by Directorate General of Foreign Trade (DGFT), Ministry of Commerce & Industry, New Delhi. The list of international accredited agencies approved for issuance of Type Approval Certificate/COP is available on DGFT website, under Policy Circular No. 26 (RE-2003)/2002-2007 dated 9.2.2004 pertaining "Type Approval Certificate issuing agencies under Policy Condition Number 7 and 9 of Chapter 87 of ITC (HS), 2012, which further amended vide Policy Circular No. 12 (RE-2013)/2009-2014 dated 15th January, 2014 issued by Ministry of Commerce & Industry, Department of Commerce, Director General of Foreign Trade, New Delhi. Bidders shall ensure adherence to any subsequent revisions to the above referred Policy Circulars that may be issued in future by DGFT.
- 6.3** Temporary Registration (in the name of Oil India Limited, Duliajan, Assam-786602), Insurance as per Motor Vehicle Act, 1988 and Central Motor Vehicle Rules, 1989 of India, if applicable for body building purpose etc. shall be under the scope of the bidder.
- 6.4** **Permanent Registration & High Security Registration Plate (HSRP):**

On receipt of the vehicle(s) and documents required for permanent registration, Oil India Limited (OIL) shall apply for permanent registration of the vehicle(s) at the office of the local Government District Transport Office (DTO). The supplier shall suitably perform necessary formalities promptly required for issuance of High Security Registration Plate (HSRP) by the Original Equipment Manufacturers of motor vehicle / dealer enabling the DTO to issue permanent Registration Certificate for the vehicle(s) as applicable in the state of Assam (India) as per government guidelines. The vehicle(s) supplied shall be considered complete on receipt of High Security Registration Plate (HSRP) from the supplier/ Original Equipment Manufacturers of motor vehicle /dealer and permanent Registration Certificate from the local Government District Transport Office (DTO) for the vehicle(s).

- 6.5** The bidder/supplier shall ensure that, the vehicle manufacturer shall enter the vehicle details in the portal “VAHAN” of Ministry of Road Transport & Highways (MoRTH), Government of India in accordance with Form-20, Form-22, Form-22(A) etc. of Motor Vehicle Act, 1988 & Central Motors Vehicles Rules, 1989 of India prior to delivery of the vehicle. Bidder/supplier shall also ensure adherence to any subsequent revisions to the referred requirements that may be issued in future by Ministry of Road Transport & Highways (MoRTH), Government of India. The bidder shall categorically confirm compliance of the same in the technical bid.

7.0 AUTOMOBILE SPARE PARTS LIST:

- A1.** The following spares for **02 (two) Nos. of the units** shall be **quoted separately (in the price bid only) cost of which shall be considered for evaluation of the offers. No prices shall be quoted / shown in the technical bid.**

Annexure-A1 **AUTOMOBILE SPARES**

Sl. No.	Description	Quantity
A: ENGINE		
1	Fuel Filter	20 Nos.
2	Engine Oil Filter	20 Nos.
3	Air Filter	20 Nos.
4	Fan Belt	08 Nos.
5	Water Pump Assembly	02 Nos.
6	Radiator Water Hose	08 Nos.
7	Radiator Cap	04 Nos.
8	Engine Mounting	02 Full set.
B(i): TRANSMISSION- IN CASE OF FULLY AUTOMATIC TRANSMISSION		
1	Transmission Oil Filter(If any)	08Nos.

Sl. No.	Description	Quantity
2	Transmission Mounting	02 Full Set.
3	Gear Shifter (one inside driver's Cabin) Assembly	03 Nos.
4	Transmission Control Module (If any)	02 Nos.
5	Cooler Assembly for Transmission Oil (If any)	02 Nos.
B(ii): TRANSMISSION- IN CASE OF AUTOMATED TRANSMISSION		
1	Transmission Filter(If any)	08Nos.
2	Transmission Mounting	02 Full Set.
3	Gear Shifter (one inside driver's Cabin) Assembly	03 Nos.
4	Transmission Control Module (If any)	02 Nos.
5	Cooler Assembly for Transmission Oil (If any)	02 Nos.
C: TRANSFER CASE (IF ANY)		
1	Transfer Case Assembly (if any)	01 No.
2	Oil Filter (if any)	12Nos.
3	Mounting	03Full Set.
D: FRONT AXLE		
1	Wheel Stud with Nuts- for both the wheels	04 Full sets
2	Wheel Hub Oil Seal- for both the wheels (If any)	12 Nos.
3	Wheel Hub Bearing- for both the wheels	12 Nos.
E: REAR AXLE		
1	Wheel Stud with Nuts- for all the 4 wheels	04 Full sets
2	Axle Stud with Nuts- for all the 4 wheels	04 Full sets
3	Wheel Hub Oil Seal- for all the 4 wheels	16 Nos.
4	Wheel Hub Bearing- for all the 4 wheels	16 Nos.
5	Differential Oil Seal- for both differentials	18 Nos.
6	Differential Filter Element (in any)	06Nos.
F: DRIVE LINE (PROPELLER SHAFT)		
1	UJ Cross for Truck Drive Line	02 Nos.
2	UJ Cross (if any) for Hydraulic Pump Drive Line	12 Nos.
G: STEERING		
1	Steering Oil Filter (If any)	06 Nos.
2	Tie Rod End (for both sides)	04 Nos.
3	Steering Pump complete Assembly	02 Nos.
4	Steering Gearbox Assembly (If any)	01 Nos.
5	Cooler Assembly for Steering Oil (If any)	02 Nos.
H: BRAKE & PNEUMATIC CIRCUIT		
1	Foot Brake Valve Assembly	02 Nos.
2	Front Wheel Brake Servo Assembly	06 Nos.
3	Rear Wheel Brake Servo Assembly	12 Nos.
I: ELECTRICAL		
1	Engine Starter (for Truck engine) Assembly	02 Nos.
2	Alternator (for Truck engine) Assembly	02 Nos.
J: HYDRAULIC SYSTEM & ITS COMPONENTS		
1	Hydraulic Pump assembly for winch operation	01 No.
2	Hydraulic Pump assembly for alternator drive	01 No.
3	Hydraulic motor assembly for winch operation	01 No.
4	Hydraulic Filter	10Nos.

Sl. No.	Description	Quantity
5	Hydraulic Hose – Pump Suction	02 Nos.
6	Hydraulic Hose – Pump Delivery	02 Nos.

NOTE:

1. All spares in specified quantity as indicated above shall be supplied along with the units.
2. Specific description, quantity etc. of each and every item shall clearly be indicated in the bid.
3. In case of any difference in spares for vehicle's left & right wheel studs, axle studs etc. the specified quantities will be divided into equal parts as far as possible.

A2. Additional spares, if any, for 02(two) years maintenance as felt necessary but not covered in the Spare Parts List provided in the NIT shall be quoted **(in the price bid only)** by the bidder separately mentioning with Description, UoM, Cost per Unit etc. which may be procured against order from the successful bidder. **Price quoted for these additional spares shall not be considered for bid evaluation.**

8.0 Annexure-A3 (To be submitted along with technical bid)

C H E C K L I S T

Part-A (TECHNICAL)

Sl. No.	Parameters/Requirements		Bidder's Offer (To indicate details or Yes/No or as applicable)	Remarks, if any
1.	Overall Dimensions of complete unit	Overall Width		
		Overall Height from ground level		
		Overall Length		
		Ground Clearance		
2.	Offered Truck Chassis	Make		
		Model		
		Wheelbase (Distance between centre line of front axle and centre line of empty space between the tyres of the two rear axles) of the offered Truck		
		Seating capacity inside Driver's cabin (including Driver)		

Sl. No.	Parameters/Requirements		Bidder's Offer (To indicate details or Yes/No or as applicable)	Remarks, if any
		Emission Norms		
3.	Engine	Make		
		Model		
		Maximum Output Power		
		Maximum Output Torque		
4.	Transmission	Make		
		Model		
		Fully automatic / Automated		
		Number of forward gears		
		Number of reverse gears		
5.	Transfer Case (if any)	Make		
		Model		
6.	Steering	Right hand driven Truck (i.e. Steering wheel shall be on right hand side inside the Driver's cabin when viewed from rear of the Truck) (Yes/No.)		
		Hydraulic power assisted steering (Yes/No.)		
		Minimum Turning Circle Radius (MTC)		
7.	Type of Front Suspension			
8.	Rear Suspension	Make		
		Model		
		Type		
9.	Drive (6x4)			
10.	Rear axle	Make of Rear axle		
		Model of Rear axle		
		Rear Axle Drive (Yes/No.)		
		Differential lock facility for rear axles (Yes/No.)		
11.	Total axle Capacity	Front		
		Rear		
12.	Total Axle Loading	Front		
		Rear		
13.	Truck manufacturer's Gross Vehicle Weight rating			
14.	Total Laden Weight i.e. Total mass			
15.	Front	Total numbers		

Sl. No.	Parameters/Requirements		Bidder's Offer (To indicate details or Yes/No or as applicable)	Remarks, if any
	Wheels	Tyre Size		
16.	Rear Wheels	Total numbers		
		Tyre Size		
17.	Fuel Tank	Total number		
		Capacity of each fuel tank		
		Fuel consumption per hour for full load logging operation		
18.	Speedometer indicating speed in Kilometers per hour (Yes/No.)			
19.	Hydraulic Pumps	Make		
		Model		
20.	Hydraulic Motor	Make		
		Model		
21.	Torque Hub for Winch Operation (if applicable)	Make		
		Model		
22.	Gear Box for Winch Operation (if applicable)	Make		
		Model		
23.	Marking of hydraulic hoses (<u>at both the ends</u>) for easy identification during maintenance / replacement (Yes/No.)			
24.	Hydraulic Hoses, Make			

Part B: DOCUMENTATIONS

Sl. No.	Descriptions	Document enclosed (Yes or No)	Remarks, if any
1.	Technical leaflets with detailed specifications, Make & Model of Truck chassis, Engine, Transmission, Transfer case (if any), power take off (PTO) unit, Axle, Suspension etc. along with the technical bid.		
2.	GA (General Arrangement) drawing of the complete unit along with the Truck, logging cabin & rear cabin and all major items/components showing the major dimensions of the complete unit along with the technical bid.		
3.	Technical leaflets with detailed specifications, Make & Model of all hydraulic pumps, motors, torque hub/gearbox of winch drums, brake		

Sl. No .	Descriptions	Document enclosed (Yes or No)	Remarks, if any
	mechanism of winch drums etc. along with the technical bid.		
4.	Power flow block diagram for both road drive & logging operation from Engine indicating the major components along with the technical bid..		
5.	Specific description, quantity, UoM etc. of each and spares as detailed in the Spares Parts List provided in the NIT.[Ref.Para-7.0(A1) (Annexure-A1)]		
6.	List of additional spares as felt necessary for 02 years maintenance but not covered in the Spares Parts List provided in the NIT with Description, quantity, UoM etc. etc. (for future reference/procurement only; not for bid evaluation).[Ref. Para-7.0 (A2)]		
7.	Checklist as per enclosed format Para- 8.0 (Annexure-A3)		

Signature _____
Name _____
Designation _____
Date _____

9.0 **SAMPLE COPY OF FORM 21, 22 & 22-A (as referred above)**

- A.** Following is a sample copy of **FORM 21 of Indian Motor Vehicle Act** only.
The certificate shall contain following minimum information –

FORM 21 [See Rules 47 (a) and (d)] **SALE CERTIFICATE**

(To be issued by manufacturer/ dealer ~~or officer of Defence Department (in case of military auctioned vehicles)~~ for presentation along with the application for registration of a motor vehicle).

Certified that (Brand name of the vehicle) has been delivered by us to **OIL INDIA LIMITED** on (date).

Name of the buyer: **OIL INDIA LIMITED**

Son /wife / daughter:

Address (Permanent): **DULIAJAN, DISTRICT- DIBRUGARH, STATE-ASSAM, PIN-786602, INDIA.**

(Temporary)

The vehicle is held under agreement of hire-purchase/lease/hypothecation with **N/A**

The details of the vehicle are given below:

1. Class of Vehicle:
2. Maker's Name:
3. Chassis No.:
4. Engine No.:
5. Horse Power:
6. Cubic Capacity:
7. Fuel Used:
8. Number of Cylinders:
9. Month and year of Manufacture:
10. Seating Capacity (including Driver):
11. Unladen Weight:
12. Colour:
13. Gross Vehicle Weight:
14. Gross Combination Weight:
15. Type of Body:
16. Wheel Base:
17. Type of Vehicle:
18. Number, description, size and ply rating of tyres, as declared by manufacturer
 - (a) Front Axle:
 - (b) Rear Axle:
 - (c) Any other Axle:
 - (d) Tandem Axle:
19. Maximum Axle Weight:
 - (a) Front Axle:
 - (b) Rear Axle:
 - (c) Any other Axle:
 - (d) Tandem Axle:
20.
 - (a) Overall length:
 - (b) Overall width:
 - (c) Over hang:

Signature of the Manufacturer /
Dealer or ~~Officer of defence Department~~
*Strike out whichever is not applicable.

- B.** Following is a sample copy similar to **FORM 22 & 22-A** of Indian Motor Vehicle Act only. The certificate to be issued by supplier shall contain following minimum information. –

FORM-22
[See rules 47(1) (g)]
ROAD-WORTHINESS CERTIFICATE
FOR

COMPLIANCE TO EMISSION AND NOISE STANDARDS
(To be issued by the manufacturer along with the vehicle)

It is certified that the following vehicle complies with the provisions of the Motor Vehicles Act, 1988 and rules made there under:

1. Model/Commercial Name of the vehicle:
2. Chassis Number:
(Example: Vehicle Identification Number (VIN) or ATIN or PIN)
3. Engine Number:
4. Emission Norms:
5. Emission, Sound Level for Horn and Pass by noise values of the above vehicle model, obtained during Type Approval Testing as per Central Motor Vehicles Rules, 1989 are given below:
 - i. Type Approval Certificate No.:
 - ii. Type of Fuel:
 - iii. Emission values for vehicle:

TABLE

Positive Ignition Engine or Compression Ignition Engine Vehicle

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Value (upto 3 decimal places)
(1)	(2)	(3)	(4)
1	Carbon Monoxide (CO)	mg/km or mg/kWh	
2	Hydrocarbon (THC/HC)	mg/km or mg/kWh	
3	Non-Methane Hydrocarbon (NMHC)	mg/km or mg/kWh	
4	Oxides of Nitrogen (NO _x)	mg/km or mg/kWh	
4a	HC+NO _x	mg/km or mg/kWh	
4b	THC+NO _x	mg/km or mg/kWh	
5	Methane (CH ₄)	mg/kWh	
6	Ammonia (NH ₃)	PPM	
7	Mass of Particulate Matter (PM)	mg/km or mg/kWh	
8	Number of Particles (PN)	Numbers/km or Numbers/kWh	

- iv. Noise level (as applicable):
 - a. Horn (for all vehicles other than agricultural tractors and construction equipment vehicles) as installed on the vehicle: dB (A); (upto 1 decimal place)
 - b. Pass by or Bystander's position:: dB(A)
 - c. Driver-perceived or Operator's ear level (as applicable for agricultural tractors and construction equipment vehicles: dB (A)

(Facsimile Signature of Manufacturer)

Note 1: This Form shall be issued with signature of the manufacturer duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal, as applicable.

Note 2: In case of multiple combinations, values pertaining to any one test result in the test report to be provided. For V2, V3 cases- average value of the test result in the test report to be provided.

Note 3: While printing Form 22, the relevant pollutants in the table as applicable for the subject vehicles may only be listed.

Note 4: In case there is amendment /revision in the tail pipe emission and noise level norms, same can be reflected in Sr. No.4 above given in this form as well as by adding additional parameters if any in the TABLE provided at Sr. No. 5(iii).

SAMPLE COPY OF FORM 22(A)

Following is a sample copy of **FORM 22(A) of Indian Motor Vehicle Act** only. The certificate shall contain following minimum information. –

FORM 22-A

[See Rules 47 (g), 115, 124(2), 126-A and 127(1), 127(2)]

INITIAL CERTIFICATE OF COMPLIANCE WITH POLLUTION
STANDARDS, SAFETY STANDARDS OF COMPONENTS AND ROAD
WORTHINESS (FOR VEHICLES WHERE BODY IS FABRICATED SEPARATELY)

PART – I

(TO BE ISSUED BY THE MANUFACTURER)

Certified that the following vehicle complies with the provisions of the Motor Vehicles Act, 1988 and the rules made there under, including the following mass emission norms:

Brand name of the vehicle :
Chassis number :
Engine number/~~Motor number~~ :
(~~In case of battery operated vehicles~~)
Emission norms :

Signature of Chassis Manufacturer

Form 22-A, Part I shall be issued with the signature of the manufacturer duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the manufacturer.

PART – II

(TO BE ISSUED BY THE BODY BUILDER)

Certified that body of the vehicle(brand name of the vehicle) bearing Chassis number and Engine Number has been fabricated by us and the same complies with the provisions of Motor Vehicles Act, 1988 and Rules made there under.

Signature of body builder

Form 22-A, Part II shall be issued with the signature of the body builder duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the body builder.

Note:

1. Form-22 as above is a draft format as per notification issued by Ministry of Road Transport and Highways, Government of India. The supplier shall have to submit

the Form-22 including supporting documents (if required) as per the final format notified by the Ministry of Road Transport and Highways, Government of India as applicable on the date of supply.

2. Supplier shall submit Form-21, 22, 22(A) for the unit incorporating the information as applicable as on the date of supply.

*****END OF SECTION-A*****

SECTION – B:: LOGGING SECTION

The two (02) nos. of logging units must have the following minimum features as mentioned below, in addition to standard accessories and fittings.

Both the Logging units must be equipped with split drum to accommodate 5/16 inch and 7/32 inch wireline logging cable. The units are to be comprised of a logging cabin fitted with a surface acquisition system. The acquisition system should be loaded with required software of latest version to carry out wireline logging operations, well completions and perforation services up to a min. depth of 6500 M in vertical, highly deviated and horizontal wells.

1.0 ELECTRICAL SYSTEM / EQUIPMENT

- i. Adequate, stable electrical power generated by the truck's Hydraulic alternator (Marathon generator Magna Plus Model: 283PDL1766 or equivalent brand/model having minimum 20 kw capacity) for power requirement of the surface system, downhole tools, air-conditioners & all other electrical accessories in the logging unit. The hydraulic alternator of the truck is to be driven by a Power Take-off unit coupled to the truck transmission system.
- ii. The Alternator output voltage should be regulated within +/-5 volt between no load and full load voltage.
- iii. Must be equipped with voltage and frequency monitor & control, over/under voltage and frequency protection.
- iv. The power generator must have automatic safety shut-down features.
- v. The electrical system must have a Power Distribution board inside logging cabin, with circuit breakers, power plant controls, and frequency, voltage and current meters.
- vi. A suitable power intake point is to be provided to feed power into the unit from external source. Flexible cable (**Approx. 20 M in length**) with suitable plugs for this purpose should be provided.
- vii. Electrical power with universal socket outlet for internal accessories is to be provided.
- viii. Exterior power outlets should be properly covered.
- ix. Color coded / Function coded truck electrical wiring and easily accessible for maintenance and service purposes must be provided. Entire wiring should be well documented.

- x. A back up electrical power source of **minimum 8 KW** should be provided. Following backup power system should be provided with manual switchover connection :

One Diesel Generator, low noise/silent (Preferably Cummins Onan **Model 8HDKAU-41934R having 8 KW capacity**) mounted on the unit in addition to the main hydraulic alternator

- xi. There should be provision of toggle switch to switch between the electrical power sources (Hydraulic Alternator and Backup diesel Generator) instead of manually swapping out power cables.
- xii. There should be provision of starting the backup diesel generator remotely from the logging cabin.

2.0 LOGGING CABIN / OPERATOR'S COMPARTMENT

- i. Roll up tinted window shades is to be provided to minimize sunlight or external light glare through the windows.
- ii. Cabin roof should be suitably designed to drain out the rain water.
- iii. Logging cabin should be fitted with at least three (03) numbers roof mounted air conditioners, each of **minimum 13500 btu**.
- iv. Proper metallic cover should be provided to protect the air conditioners from external damage.
- v. Temperature and humidity indicator are to be provided inside the cabin.
- vi. Cabin pressurization system should be provided to pump filtered fresh air in to the logging cabin for preventing dust entry.
- vii. Three nos. of Swivel type chairs should be provided. One for the winch operator (movable and height adjustable) and two with rollers for the logging engineer. Additional sitting arrangement for at least two persons should be provided inside the cabin.
- viii. At least four nos. of drawers with locking arrangement to store manuals, multi meters and other materials.
- ix. Slip proof metallic floor with suitable washable carpet should be provided.

Note: Aluminum floor, with a wood sub floor, with non-slip rubber coating on top of it, is also acceptable.

- x. Logging Engineer's console/ computer system should be located at 90 degree to the operator's winch panel.
- xi. A fire extinguisher at readily accessible location should be provided.
- xii. A first aid kit at readily accessible location should be provided.
- xiii. The operator's console should include line load display, electronic depth display, engine RPM meter, oil pressure meter, air pressure meter and hydraulic oil temperature meter and meters for any other required parameters related to winch and engine etc.
- xiv. The logging cabin should have provision of displaying various parameters such as generator voltage, frequency, power drawn from internal and external source etc.
- xv. 110 V / 220 V AC along with 12V DC interior lights are to be provided.
- xvi. Apart from normal power outlets (110Vac, 50/60 Hz) provided inside the logging cabin minimum one numbers of power outlets (220Vac, 50/60 Hz, 5 Amps rated) to be given in the logging cabin with multi socket that accepts British plugs in addition to Euro, NEMA American and Australian plugs with ON/OFF switch.
- xvii. Suitable LED lights must to be installed at the drum area for proper illumination. Proper LED rig-lights (AC) of minimum 5000 Lumen each to be installed to illuminate the working area. Additionally, LED rig-lights (DC) of sufficient power should be installed immediately below the rear corner rig-lights operated directly from the truck battery. Both the lights at the rear exterior corners must have suitable metallic cover at sides to protect against impact.
- xviii. The rear corner LED rig lights should be mounted on a motorized platform controlled by remote to focus the light at desired area of working.
- xix. Safety warning lights (**red in log mode / green in safe mode**) should be installed in the backside of the logging unit which should be visible from the catwalk while arming the perforating gun.
- xx. The logging unit's steel/aluminum welded construction materials should be properly painted to resist corrosion.
- xxi. The Panel Rack should be placed in such a manner that the electrical wires connected to the rear side of the panels are easily accessible for connection purpose.

- xxii. Apart from the things mentioned above, bidder may provide any other standard fittings inside the logging cabin.
- xxiii. Gas detection with warning system (preferably buzzer) shall be provided inside the logging cabin/operators compartment.
- xxiv. Non-sparking electrical switches shall be provided inside the logging cabin/ operators compartment.

NOTE: The Logging cabin must be designed to provide ample working and seating space.

3.0 HYDRAULICS WINCH SYSTEM

In addition to the standard features, the logging unit should have the following fittings/features as specified below:

- i. The unit should be equipped with Split Drums (with antirust / non-corrosive coating) to accommodate **5.55625 mm (7/32") OD and of 7.9375 mm (5/16") OD** single conductor wireline non-spliced cables having **at least 7000 meters in length**.
- ii. The winch drum powered by the unit's hydraulic system should have speed ranges from 0.3 m/min or less to 150 m/min or more with fine speed control even at maximum load condition.
- iii. A certificate should be provided confirming micro fractures / cracks free base mounting frame of the cable drums.
- iv. Operation of the winch drum should be controlled by an electronic proportional joystick control mounted on the operator's control panel. The joystick should get locked when brought to neutral position.
- v. Electrically operated pneumatic or hydraulic brake along with mechanical hand brake for the winch to be provided in the logging cabin.
- vi. The logging unit winch drum must be capable to provide pull up to **8,500 lbs** during stuck conditions, the hydraulic system rating of the drums winch must be sufficient to withstand these over-pulls safely (well within system rating of the logging units).

4.0 WIRELINE LOGGING CABLE

- 4.1 The split drum in the logging unit should be installed with wireline logging cables having following specifications:

Cable O.D.	Breaking strength	Cable Make	Cable Length
7.9375 mm (5/16")	Minimum 11,000 Lbs	Camesa or Rochester or Bidder's own make	Minimum 7000 m
5.556 mm (7/32")	Minimum 5,400 Lbs	Camesa or Rochester or Bidder's own make	Minimum 7000 m

Both the cables should be contiguous, non-spliced, mono-conductor and rated for minimum 204.4 °C (400° F) temperature and minimum insulation resistance 460 MΩ/km @ 500 VDC.

- 4.2 **Spare wireline cable:** Two (02) nos. of 7/32 inch and Two (02) nos. of 5/16 inch wireline cable, same as fitted in the unit, need to be provided.

Note: Each cable reel must have at least 7000 meters of cable. Cables are to be provided on standard metallic drum. Wooden drum will not be accepted.

5.0 OVERHEAD SPOOLING AND DEPTH/TENSION MEASURING SYSTEM

- i. The logging unit should have overhead cable spooling systems for 7.9375 mm (5/16") O.D. and 5.556 mm (7/32") mono conductor cable.
- ii. The overhead Spooling system must be strong, lightweight with height adjustment and side to side steering.
- iii. Metric depth measuring system (Make: Benchmark, Model: AM5K) with depth and tension measuring panel needs to be provided for depth measurement/recording having dual electronic encoders, a tension device (Load Pin) and independent mechanical/electronic backup encoder. If separate accessories are required for using both the cables, that also needs to be provided. The backup depth display from the mechanical/electronic encoder is to be made available near the winch operator panel.
- iv. Line weight measuring system with a weight indicator to measure line tension of at least 15,000 lbs to be provided. It should have digital display for total and differential load. Weight measurements should have audio and screen alarms at operator's panel for increase / decrease of line load. The line weight measuring system should

have provision for both load pin and rig floor load cell connected with the sheave wheel.

6.0 ADDITIONAL LOGGING UNIT FEATURES

- i. Built-in line oiler system for lubricating the cables with the operating switches on the winch operator's control panel.
- ii. Grounding reel fitted with at least **50 meters** cable with clamps for grounding during perforations and other allied wire line operations.
- iii. Reels necessary for intercom, top load cell etc., of **at least 100m** length to be provided.
- iv. Tool racks with suitable, independently working air bags for transportation of downhole tools must be provided. The air bags must be easy to access for replacement.
- v. Tool storage area installed under the floor of the drum area for the longest tool must be guided with roller support throughout the rack length and fitted with air bags for transportation.
- vi. The winch drums must be fitted with slip rings having ample protection from moisture, dust and rain. Both slips rings should be easily accessible for repair and maintenance work.

Note: A single composite slip ring connected to both the cable drums is also acceptable.

- vii. A Switch must be provided to conveniently switch between both the cables inside the logging cabin
- viii. Rear bumper should be fitted with a working vise and light weight folding step.
- ix. All the electrical wires running in the winch / draw works compartment must be concealed/in a conduit.
- x. Body to be painted to OIL's specification (with OIL logo).
Logo / specification shall be provided by OIL after placement of order.
- xi. Safety / Warning Signs (pertaining to radioactive and explosive jobs) must be provided.

7.0 STORAGE REQUIREMENT WITHIN THE LOGGING UNIT

- i. Two separate compartments, one for carrying Explosive Shaped Charges and the other for carrying Electric Detonators should be provided. These two compartments should be separated by a distance

of minimum 1.5 meters as per Indian Explosive Rules. The inside of these compartments should be paneled with good quality non-sparking material. These two individual compartments should be minimum 1.15 meters away from the electrical power sources and fuel tanks mounted in the Logging Truck. The minimum internal volume of the compartments carrying explosives should be as follows:

Compartments	Length (meters)	Breadth(meters)	Height(meters)
For charges	1	0.6	0.6
For Detonators	0.3	0.2	0.2

- ii. Enough storage space should be provided to carry at least 6 nos. of TAG guns. The length of these racks should be at least 6 meters each and should accommodate 5 inch OD gun/tool. Additional racks should be provided to transport at least 4 nos. (minimum 3 meters in length) of logging tools with diameter ranging from 1 11/16" to 4". In addition to this, 2 small (at least 1.5 meters in length) racks should be provided for carrying CCL, MPD and other short length tools.
- iii. Fixed positions should be provided for transportation of one pair of sheave wheels which is required for logging operation.
- iv. Separate compartments to be provided for carrying hand tools / wrenches, rig up accessories and other logging related accessories. All compartments should have heavy duty locking / latching arrangement.
- v. A suitable mounting arrangement for the high-pressure grease control head to be provided near the spooler (cable drum area of the logging unit).

Note: please refer to the pressure control equipment section for length and OD of the high-pressure grease control head.

- vi. The drum area flooring will be of aluminum tread plate material.
- vii. A roll up weather resistant cover must be installed over the drum area opening.

8.0 SURFACE LOGGING SYSTEM

- 8.1 The log data acquisition system should be rack mounted PC based system, integrated collection of state-of-the-art hardware & software. It must be field proven, latest version logging system, capable of performing the following logging & completion operations:

- i. All types of Perforations and Plug / Packer setting through wireline pressure setting tool.

- ii. Recording of shooting CCL and shooting Gamma Ray Log.
- iii. Recording of Gamma ray/ Neutron/ Casing Collar Locator combination logs.
- iv. The surface logging system should be able to perform logging with GE-Sondex Ultra-link tools (PLT/MIT/MTT). Suitable Hardware (Ultralink card in the CHIP panel) required to carry out these operations with above system must be provided.
- v. System should be able to record Sector / Radial bond tools for cement evaluation.

8.2 It should have a Shooting Panel with following features:

- i. A key type safety switch.
- ii. It should be designed as per latest API recommended practices (API-RP)
- iii. It should be able to supply “+”ve and “-”ve shooting voltage for all types of shooting operations.

8.3 LED displays should be used for depth and line speed monitoring for winch operator.

8.4 The logging system should have mono-conductor out connection point so as to facilitate logging with the use of external panels. It is preferred that the connection point is an UHF female socket (SO-239) connector.

9.0 **LOGGING SYSTEM COMPUTER HARDWARE**

Both the logging units should have state-of-the-art PC based logging system. In addition to other standard fittings / accessories which are mounted in the logging cabin, the system should include at least the following features:

i	RAM	32 GB (minimum) or above
ii	Hard Disk	1 TB PCI SSD (minimum)
iii	Dual display color monitor	Size minimum 23”, TFT type 02 Nos.
iv	High Resolution Thermal Graphic Recorder. (Capable of taking Log prints both on paper and film for both roll & fan fold type paper).	1 Numbers

v	Continuous 8.5" color printer to print colored logs	1 Number (quantity)
vi	CD/DVD writer.	1 Number (quantity)
vii	USB port to transfer data	4 (minimum) at the front side of CPU
viii	External Portable USB Hard Drive SSD (min 2 TB)	1 No.
ix	Wireless Keyboard and Mouse	1 No. Each
x	System must be having high speed latest CPU and should be supporting Dual display	1 No.
xi	UPS as power back up for system CPU, dual monitor and printer.	1 No.

10.0 LOGGING SYSTEM SOFTWARE

- i. The data acquisition software must be latest version "WARRIOR" based. The system software should be based on latest version of windows-based operating system. Perpetual license for supplied software should be provided.
- ii. Software must be in English language.
- iii. Detailed help on the complete system should be available.
- iv. The Software must be capable of performing well completion and cased hole logging operations.
- v. The System must be able to export/import log data into API standard LAS, LIS and ASCII format.
- vi. Oil India Limited's logo must be incorporated in all outputs.
- vii. The system software must include real time depth correction capability during logging.
- viii. The system software must display real-time corrected depth and line tension.
- ix. Utilities like splice, merge and edit of logs to be provided.
- x. It should be capable of logging both in meters and feet.

- xi. Virus protection Software must be provided in the system with a perpetual license with backup in CD/DVD/Portable Drive.
- xii. Microsoft office professional version (complete package) should be installed in the system with perpetual license.
- xiii. Complete image of the system must be provided in CD/DVD/Portable Drive.
- xiv. The bidder should give an undertaking to update the software as and when updates are available for a period of 10 years from the date of commissioning of the unit at no cost to OIL.
- xv. Installer files of all software used in the system must be provided on CD / DVD's as back up.
- xvi. If any Lab Test and Diagnostic software is there, for the surface system and downhole tools, must be provided.
- xvii. Details of the software with price break up need to be provided.

11.0 RIG-UP ACCESSORIES

- i. Stray voltage monitor: One rig voltage monitor mounted inside the cabin, with 50 meters long leads and accessories to measure a minimum rig voltage of 0.20 Volt at well site.
- ii. Communication System: Two-way communication system for communication from cabin to rig floor and vice versa.
- iii. The Logging unit should be fully equipped with rig up and other standard accessories for straightaway commissioning of the unit. Detailed list along with price break up for each item is to be provided. However, certain operationally vital items with quantity as mentioned in the table below are to be included and confirmed in the offer.
- iv. Following rig-up/operational accessories are to be provided:

i	Sheaves, , minimum 43.18 mm (17"), suitable for 7.9375 mm (5/16") O.D mono-conductor cable, and should be able to be used as both upper sheave and lower sheave, with floor stand etc.	08 nos.
ii	Sheaves, minimum 35.56 mm (14")dia., suitable for the 5.556mm (7 /32") O.D mono-conductor cable, and should be able to be used as both upper sheave	08 nos.

	and lower sheave, with floor stand etc.	
iii	T - Hangers 1) 5/16" 2) 7/32" cable.	1) 3 Nos. for 5/16" cable 2) 3 Nos. for 7/32" cable
iv	Liner used in T-Hanger. 1) 5/16" 2) 7/32" cable.	1) 3 set for 5/16" cable 2) 3 set for 7/32" cable
v	Elevator hook T - bar.	4 Nos.
vi	Tie back chains of at least 7.5 m (24.61ft) with hooks to tie lower sheave (rated for 7.5 ton).	4 Nos.
vii	Goose Neck. 1) 5/16" cable 2) 7/32" cable.	1) 4 nos. for 5/16" cable 2) 4 nos. for 7/32" cable
viii	Hydraulic Cable Cutter with 5 nos. of spare blades for each cable size	1) 4 nos. for 5/16" cable 2) 4 nos. for 7/32" cable
ix	Mechanical cable cutter 1) 5/16" cable 2) 7/32" cable	1) 4 nos. for 5/16" cable 2) 4 nos. for 7/32" cable
x	Portable Analog Triplett multi-meter.	6 Nos.
xi	Digital Blasting Galvanometer with case and 10 extra set of cells.	6 Nos.
xii	609.6 mm (24") pipe wrenches ("Ridgid" made or equivalent)	15 Nos.
xiii	457.2 mm (18") pipe wrenches ("Ridgid" made or equivalent)	15 Nos.
xiv	Electronic toolbox with standard tools & kits ("Jenson" made or equivalent).	2 Nos.
xv	Mechanical toolbox with standard tools & kits ("Craftsman" made or equivalent).	2 No.
xvi	Choke Blocks.	8 Nos.
xvii	Chain tongs – 18" and 24"	1) 6 nos. for 18" 2) 6 nos. for 24"
xviii	Cable head (1 7/16" OD – Spring Pin connection type, NOT having banana pin connection) with thread size 1 3/16" - 12 N – 2 ("GO" connection.) for	1) 40 nos. for 5/16" cable 2) 40 nos. for 7/32" cable

	i) 7/32" OD cable ii) 5/16" OD cable	
xix	Re-head kit for 1 7/16 inch OD mono-cable head (cone, cone-retainer, boots, o-rings etc.) for both 7/32" and 5/16" mono conductor cable	1) 200 kit for 7/32" cable 2) 200 kit for 5/16" cable Kit should contain all items required for cable re-heading.
xx	Portable Digital Insulation Tester with case	6 Nos.
xxi	All hand tools needed for cable re-head jobs (Armor cutter, Wire Stripper, wire crimping tools, hammer etc.)	10 Set
xxii	Silicon Grease for Cable head (to be used with Grease guns, DC-111 of 400 gm or equivalent) Note: If the bidder's quoted cable head uses a grease other than silicon grease, then the same grease is also to be quoted (Qty=200 nos. of tubes) in addition to silicon grease.	200 Nos.
xxiii	Lubriplate or Equivalent grease in tube (approx. 14 oz / 397 gms.)	40 Nos.
xxiv	1) Tool Dolleys 2) Flat ground roller stands 3) Basket Stands and 4) Adjustable high stands fitted with roller for use during tool testing, calibration and repair work	08 nos. each (for items 1 to 4)
xxv	Well-site handling tools – Allen keys sets, Screw Drivers, Nose Pliers, Monkey wrench, Snap-Ring pliers and other tools required for well-site operation.	10 Set each
xxvi	Load cell (connectable to the upper or lower sheave) required for measuring the weight of the wireline and tools. The weight shall be displayed in the depth display panel inside the unit.	4 Nos.
xxvii	Spare Load cell reel of minimum 100m in length apart from the reel installed in the unit	2 Nos.

xxviii	Safety tube for detonator testing (G-25/A-105 etc)	4 Nos.
xxix	Heat Gun to dry out moisture in connectors	2 Nos.
xxx	Strap wrenches (To operate with tools up to 6" OD)	4 Nos.
Xxxi	Pneumatic tool box set to open various sizes nut bolts (snap on make or equivalent)	2 Box
xxxii	Spare grounding reel with clamps of minimum 50m in length apart from the reel installed in the unit	2 reels
xxxiii	1 11/16 inch inline centralizer to centralize the tools inside 2 7/8 inch tubing up to 7 inch casing.	3 Nos.
xxxiv	Any other items, which are operationally required.	2 sets each

NOTE: In addition to the items in the above list, the bidder must quote for any other item(s), if required, for straightaway commissioning of the unit. During equipment commissioning, if it is found that certain items are required but not quoted by the bidder, then the bidder must provide the same free of charge to OIL. OIL at its discretion may increase or decrease the quantity of items mentioned in the above list.

12.0 TECHNICAL MANUALS AND DOCUMENTATION

12.1 The following documents should be submitted along with the bid for bid evaluation:

- i. Technical leaflets, literatures with detailed specifications, Make & Model of Logging Truck, Downhole Tools, Surface System and Fishing equipment etc. must be offered in the Bid.
- ii. Block Diagram of the surface Logging System containing all panels.
- iii. Layout drawing of proposed logging Cabin.
- iv. Layout drawing of proposed logging unit with dimensions.

12.2 The following documents should be submitted along with the supply of the logging truck/equipment at no charge to OIL:

- i. Two (02) sets of Training Notes / Study Guides for the offered logging units and all tools in properly bound volumes.

- ii. Two sets each of Operations (FOM), Maintenance & Service manual covering all Mechanical, Electrical, Electronic systems and sub-systems, schematics of all the systems and sub-systems, including downhole logging tools in properly bound volumes.
- iii. Soft copies of all the above documents in CD / DVD and USB flash drive

All technical brochures / specification documentation and software related to the logging systems, all downhole tools and all major equipments /accessories offered by the bidder must be in English Language.

13.0 LOGGING TOOLS AND ACCESSORIES

All the down hole logging tools as mentioned below should be rated for minimum 104 MPA (15,000 PSI) pressure and 149 Deg. C (300 Deg. F) temperature. Temperature rating should be for a minimum of one-hour continuous exposure in the well bore. The tools and cable head should have thread size 1 3/16" - 12 N - 2 ("GO" connection). All supplied tools must be corrosion resistant.

Note: Bidder must provide equivalent 20 nos. cross-overs and 20 nos. servicing kit in case thread types used in tools are different from the type listed above (1-3/16"-12N-2 "GO" connection).

13.1 Casing Collar Locator (CCL)

Sl. No	Item	Quantity
01	Shooting CCL of size 1 11/16 " OD	40
02	Shooting CCL of size 3 1/8" to 3 5/8" OD	30
03	Service Kits (including O-Rings) for 1 11/16 " CCL	40
04	Service Kits (including O-Rings) for 3 1/4 " CCL	40

13.2 Shooting GR/CCL

Sl. No	Item	Quantity
01	1 11/16 inch OD Shooting GR/CCL (Hunting /Titan/Bidder's own make)	04
02	Shooting GR/CCL (OD: 3 1/4 to 3 5/8 inch) with quick change assembly to run with junk basket/BST	04
03	Complete Detector assemblies (for straightaway replacement) for 1 11/16 inch Shooting Gamma Ray Tool, same as fitted in the tool.	03

04	Complete Detector assemblies (for straightaway replacement) for item sl. no. 2, same as fitted in the tool.	02
05	All PCBs inside 1 11/16 inch shooting GR/CCL tool	03 each
06	All PCBs inside item sl. no. 2	02 each
07	Gamma Ray Calibration Jig required to calibrate 1 11/16 inch and (3 ¼ - 3 1/8) inch GR/CCL tool	Total 02 Nos.

13.3 Plug/Packer setting tool and Junk catcher

01	BAKER Model E4 Size # 20 Wireline Pressure Setting Tool with setting sleeve for 5 ½ inch casing. The tool is to be connected with 3 1/4" CCL with quick change coupling (GO type).	6 Nos.
02	Spare Firing Head and detonator block for the BST	10 Nos. each
03	Setting sleeve for setting bridge plug in 5 inch liner, 5 ½ inch, 7 inch and 9 5/8 inch casing	03 nos. for each size
04	JUNK CATCHER equivalent to BAKER model 'H' Size #20 with Gauge Ring for 5 ½ inch casing. The junk catcher should be able to connect with 3 ¼ inch CCL having quick change coupling (GO type).	6 Nos.
05	Gauge rings for 5 inch liner	06 nos.
06	Gauge rings for 5 ½ inch casing	15 nos.
07	Gauge rings for 7 inch casing	04 nos.
08	Gauge rings for 9 5/8 inch casing	04 nos.
09	BST redress kit (o-rings etc.)	200 nos.
10	Oil required for BST	For 150 nos. of job
11	All types of O-rings required for firing head, and detonator block	100 set each
12	C Clip pliers for installing the C clip above BP2 charge in the detonator block	15 nos.
13	Any special hand tool required for operating/servicing the BST	4 set
14	Bleeder valve assembly with handling tool	06 sets.
15	Explosive and detonators required for the BST tool for 150 nos. of job	<ul style="list-style-type: none"> • BPC – 150 nos. • BP1- 155

		nos. • BP2 - 160 nos.
16	Oil level gauge for E4 size 20 BST	10 nos.

13.4 **SINKER BAR**

Sl. No	Item	Quantity
01	1 11/16" Sinker Bar(Lead) (5-6) ft	40
02	1 11/16" Sinker Bar(Tungsten) (5-6) ft	20
03	1 11/16" Sinker Bar(Lead) (3-4) ft	30
04	1 11/16" Sinker Bar(Tungsten) (3-4) ft	20
05	Service Kit for 3 ft. sinker bar (along with connecting rod, insulating fiber, washer, o-rings, pins etc.)	50
06	Service Kit for 5 ft. sinker bar (along with connecting rod, insulating fiber, washer, o-rings, pins etc.)	50

13.5 **MULTI-FINGER IMAGING TOOL (MIT) OR EQUIVALENT**

- a. MIT 24 fingers – 01 no.
- b. MIT 40 fingers – 01 no.

Minimum Technical Specification for both the tools:

- i. The tool should be able to run on standard mono cable with Warrior software.
- ii. The tool should use digital telemetry to transmit data in real-time to surface computer.
- iii. Multi- finger caliper tool (qty=01 no.) having minimum 24 fingers should be capable of operating through 2⁷/₈ inches tubing to accurately measure the inner pipe diameters of 2⁷/₈ inch tubing, 5¹/₂ inch casing and 7 inch casing.
- iv. Multi- finger caliper tool (qty=01 no.) having 40 fingers to accurately measure the inner pipe diameters in 5 inch, 5¹/₂ inch, 7 inch and 9 5/8 inch casing.
- v. The tools must have inclinometer to provide well deviation and sensor information to indicate high or low side of the well reference to measurement sensors.
- vi. The bidder must offer 02 nos. each of Gamma Ray, Casing Collar Locator & Telemetry tool compatible to run with the offered multi-finger caliper tools.

- vii. Bidder must offer following nos. of centralizers for **24 finger tool**:

Quantity – If the same size of centralizer is used for 2 7/8 inch tubing, 5 inch, 5.5 inch and 7 inch casing, then total quantity = 06 Nos.,

OR

Quantity – If different sizes of centralizers are used for covering different sizes of tubing/casing range (i.e. from 2 7/8 inch to 7 inch) then, 04 Nos. of each size of centralizers need to be quoted.

- viii. Bidder must offer following nos. of centralizers for **40 finger tool**

Quantity – If the same size of centralizer is used for 5 inch, 5.5 inch, 7 inch and 9 5/8 inch casing, then total quantity= 06 Nos.,

OR

Quantity – If different sizes of centralizers are used for covering the different sizes of casing range (i.e. from 5 inch to 9-5/8 inch) then, 04 Nos. of each size of centralizers need to be quoted.

- ix. One set of calibration equipment should be offered for each multi-finger caliper tool. If same calibration equipment is used for both the tools, only 1 set of calibration equipment need to be provided.
- x. Any other accessories required for the complete tool operation should also be provided.
- xi. Suitable post processing and interpretation software with perpetual license for the tool measurements data should be quoted to generate 3D visualization of tubing/casing and to evaluate percentage of damage of tubing/casing etc.
- a. The software must be of latest version and able to run on windows 10, if any base software needed to run the software need to be provided with perpetual license. If the quoted software are other than Warrior, wiper and wiva, then software must be able to process the las/dlis data of other vendor's tool data of same type.
- b. Latest version Warrior, wiper and wiva software with perpetual license are preferable for the post processing & interpretation of the recorded data.
- c. Computer hardware need not be quoted.
- d. Provided software need to be installed on computer hardware provided by OIL, during installation & commissioning.
- xii. Spare finger set & other accessories to be quoted for the tool:

Sl. No.	Tool	Finger Type	Quantity
a)	MIT 24 Finger	Normal	2 set
b)	MIT 24 Finger	Extended	2 set
c)	MIT 40 Finger	Normal	2 set
d)	MIT 40 Finger	Extended	2 set
e)	Actuator for 24 finger MIT, along with the temperature coefficient	---	1 set
f)	Actuator for 40 finger MIT, along with the temperature coefficient	---	1 set
g)	Any hand tool set required for servicing of 24 finger and 40 finger tools		2 sets
h)	All PCBs inside 24 finger tools		1 no. each
i)	All PCBs inside 40 finger tools		1 no. each
j)	All PCBs inside CCL, GR and telemetry tool		2 nos. each
k)	Post job servicing kit for tools to open/close fingers		1 set

13.6 SLIM HOLE SEGMENTED OR RADIAL CEMENT BOND TOOL

The Slim hole segmented or radial Cement Bond tool should be able to run through 2 7/8 inch tubing to evaluate cement bonding with casing and formation. The segmented receivers should generate a radial image of the cement bond variation.

Quantity = 2 nos.

Minimum Technical Specification of Tool:

- i. The tool must be able to perform cement evaluation in casing using mono-cable conductor with Warrior software.
- ii. All data recorded by the tool string should be digitized downhole and transmit in digital format to surface computer.
- iii. The tool string should be able to connect with the 1 7/16 inch cable head with thread size 1 3/16" - 12 N - 2 ("GO" connection.)

- iv. The tool should be an acoustic logging tool having one transmitter, two omni-directional receivers (Piezoelectric Crystals) 3ft and 5 ft apart respectively. The tool should also have minimum 6 segmented radial receivers (Piezoelectric Crystals) for radial cement mapping.
- v. Bidder's tool must be suitable for running through 2 $\frac{7}{8}$ inch tubing to log in standard casing/liner sizes 5 inch, 5 1/2 inch and 7 inches (OD).
- vi. The offered tool must be capable of providing simultaneous measurements of casing to cement bond amplitude (Measurement range 0- 100 mV), receiver travel time and Variable Density Log (Measurement Range 200-1200micro-sec), radial cement imaging using acoustic techniques, Gamma Ray (measurement range 0- 1000 API) and casing collar information in single run.
- vii. The offered CBL tool should have Casing Collar Locator (CCL), Gamma Ray (GR) and telemetry sections. The offered telemetry, CCL and GR tools may be integrated with the CBL tool or a separate entity that must be combinable with the CBL tool. In any case telemetry, CCL, GR and CBL should be able to run in a single pass and record data simultaneously.
- viii. Any software required for post processing and interpretation for radial imaging information of cement bond log data should be provided with perpetual license.
 - a. The software must be of latest version and able to run on windows 10.
 - b. Computer hardware need not to be quoted.
 - c. Provided software need to be installed on computer hardware provided by OIL during installation & commissioning.
- ix. Calibration equipment (Quantity-01 No.), if any, for calibration of the tool in workshop
- x. Bidder must offer necessary centralizers:

Quantity – Total 08 Nos., if same size of centralizer is used for 5 inch, 5 1/2 inch and 7 inch casing

OR

Quantity – If different sizes of centralizers are used for different sizes of casing, then, 06 Nos. of centralizers each for 5, 5 1/2 and 7 inch casing (Total 18 nos. of centralizers)
- xi. Any other accessories required for running the offered tool need to be provided.

- xii. All PCBs in telemetry, CCL, GR and CBL tool need to be quoted same as fitted in the tool: Quantity 2 nos. each.
- xiii. All transmitters and receivers for the CBL tool need to be quoted as fitted in the tool: Quantity 2 nos. each.
- xiv. Any special hand tool required for operating / servicing the tool need to be quoted: Quantity 1 set.
- xv. All kinds of o-rings in the tool: Quantity: 50 nos. each

13.7 HYDRAULIC WIRELINE JARS

The hydraulic jar should be effective in releasing stuck perforating guns, bridge plugs, pipe recovery and other cased hole tools. The jar should have the following minimum specification:

Sl. No.	Item	Quantity
1	1 11/16 inch Hydraulic Jar to be used in Cased Hole using mono cable	03
2	2.75 inch Hydraulic Jar to be used in Cased Hole using mono cable	02

Technical Specification:

- i. The setting/activation force of the jar should be easily adjustable by the field crew as per requirement.
- ii. The Jar should be pre-adjustable to trigger at desired pull and also it should be able to instantly activate unlimited number of times to free a stuck tool string
- iii. For 1 11/16 inch OD jar, setting or activation force should be minimum in the range of (300 – 1000) lbs.
- iv. For 2.75 inch OD jar, setting or activation force should be minimum in the range of (500 – 1500) lbs.
- v. Impact ratio (ratio of activation force to impact force of the jar) of both the jar should not be less than in the ratio of 1:8.
- vi. The jar should be able to connect with 1 7/16 inch OD cable head having thread size 1 3/16” - 12 N – 2 (“GO” connection). Top side of the jar should have box type connection to connect with the cable head and the bottom side should have a pin type connection to connect with the tool below it.
- vii. The jar should have mono conductor electrical connection through it to power up the tools connected below.

- viii. Consumable spare parts, if any, should be quoted for 50 nos. of job for both size of the jar.

13.8 CEMENT DUMP BAILERS

The cement dump bailer should be of gravity type. The bailer system should be able to dump a cement column on the top of a bridge plug.

<u>Sl. No</u>	<u>Cement Dump Bailer OD</u>	<u>Actuator type</u>	<u>Quantity</u>
01	3.5 inch to 4 inch cement dump bailer (complete set)	Actuator type: Explosive based/ Hydraulic actuator type mechanism “If bidder quotes for hydraulic actuator type mechanism then all accessories and spares required for the same are to be quoted. In such a case, the bidder need not to quote accessories related to explosive based actuator”	06
02	10 feet extension pipe for dumping higher cement volume in a single run	--	06

The tool should have the following specifications:

- The tool should be able to be used with mono cable.
- The top of the dump bailer should have thread size “1 3/16” - 12 N – 2 (“GO” connection box type.)
- The cement dump bailer should be able to displace cement volume of minimum 20 liters or more in a single run.
- Any other accessories required for cement dump bailer job is to be provided.
- Any spares, for servicing of the dump bailer need to be quoted, quantity: 10 set.
- Explosive required for 60 nos. of jobs are to be quoted.
- Other consumables like weight bar, rupture disc (glass), etc., 60 nos. of each need to be provided.

13.9 SKID MOUNTED 10K PSI WIRELINE PRESSURE CONTROL EQUIPMENT SYSTEM & OTHER RELATED ACCESSORIES; QUANTITY = 02 (TWO) SETS

13.9.1 Pressure Control Equipment System: Each pressure control system (skid unit), rated for 10,000 PSI working pressure, **must be of compact design** with an upright stance (to allow operator to work from standing position) and must include all accessories, spares & consumables with quantity as mentioned in the table below. The Well head Pressure Control Equipment must be preferably of **ELMAR/ASEP/KEA/HUNTING/FORUM/Bidder's own make**- 10,000 PSI System or equivalent make housed inside a heavy duty, single lift transport frame. **Bidder to note that Pressure Control Equipment is related to safety and accordingly should be from a reputed company which is supplying such equipment to major wireline oil service company. The offered item should be API Certified Pressure Control Equipment. In line with above, if equivalent Pressure Control equipment is offered by the bidder, suitable adaptors of 10,000 PSI rating must be provided to interconnect NOV Elmar make Pressure Control equipment available with OIL and having following connection type:**

4.75" – 4X2 (3.750" Seal Dia.) E09 Box Top X Pin and Collar down with threaded protectors.

13.9.2 10K PSI AIR POWERED HYDRAULIC MODULE: Quantity-01 per PCE Skid

The grease injection head must be operated using air driven hydraulic pump grease injection system with a suitable control panel mounted on the unit itself. The unit must also be able to operate BOP, a tool trap, tool catcher, stuffing box, line wiper in addition to the grease head. The above unit (BOP Grease and Hydraulic Control Module) must be mounted/housed inside parent Pressure control equipment skid mentioned in clause 13.9.1. The equipment must come with following minimum features:

- (i) The offered module must be light weight compact unit.
- (ii) The grease control module/unit must be suitable for controlling well pressure up to 10,000 psi WP.
- (iii) The grease module with grease tanks must be operated with (each independent pump) air driven grease pumps. Both pumps must be completely identical and capable of independent operation. If dual air driven grease pump is not available with the model, the additional air driven grease pump must be provided separately.
- (iv) The air-operated grease injection pumps must be suitable for operation in well pressure up to minimum 10000 psi. Both the independent grease injection systems (if dual air operated grease pump offered) must be operated from one integrated control panel.

- (v) Proper Air-regulator should be provided to allow variable control of grease flow rate and pump stall pressure.
- (vi) Suitable separate 120 feet reel hoses mounted on wet-center reels must be provided for operation of the Single/Dual BOP, Tool Trap, Tool Catcher, Pack-off, Line wiper and for supply/return of grease to the grease injection head.
- (vii) Bidder must provide Grease Transfer Pump.
- (viii) The module should have stainless steel engraved control panel clearly marked with control indications.

13.9.3 WIRELINE GREASE INJECTION CONTROL HEAD & STUFFING BOX FOR 10K PSI WORKING PRESSURE, Quantity-01 per PCE Skid.

Grease injection control head is required to create a seal around a moving 7/32" OD and 5/16" OD wireline allowing intervention access to wells under pressure. Grease Injection control head must be housed inside the parent Pressure Control Equipment System mentioned in Clause 13.9.1. The equipment must come with following minimum features:

- i. The grease injection control head must contain two major sub-assemblies, the stuffing box or pack-off and the flow tube section consisting of min 5 nos. of concentric flow tube assembly.
- ii. The bidder must offer concentric flow tubes assembly having flow tubes sized to operate with 7/32" OD wireline cables. The Grease control head unit must also be capable to accommodate flow tubes for 5/16" OD monocable operations.
- iii. The control head must also incorporate an integral liner wiper required to clean the cable while coming out of well.
- iv. The grease injection control head must have a grease delivery line with check valve/non-return valve for required injection line and a grease return line.

13.9.4 10K LIGHT WEIGHT LUBRICATOR ASSEMBLY, Quantity-01 set per PCE Skid, each set consisting of following:

- i. Bidder must quote 4 nos. of light weight alloy Wireline Lubricator Section for 10,000 psi Working Pressure, Standard service having 3"(63.5mm) ID X 8ft (2.44m) Long with metallic lifting caps and thread protectors.
- ii. Bidder must quote 02 no. of light weight Wireline alloy Lubricator Section for 10,000 psi Working Pressure (WP), Standard service having 3.0"(63.5mm) I.D. X 6 ft (1.8m) long having one 1/2" NPT port (18 inch from bottom) with metallic lifting cap and thread protector along with 10K pressure gauge. Bidder must provide suitable 1/2" NPT port plug for above Lubricator during non-use.

13.9.5 HYDRAULIC TOOL TRAP, Quantity-01 per PCE Skid

- i. Bidder must provide 01no. 10K Working Pressure Hydraulic activated Tool trap with external indicator and lifting caps.
- ii. Bidder must provide 01 set Hand Pump assembly rated min 3K Working Pressure and fitted with Pressure gauge for Tool Trap device operation. This is in addition to the one available with the parent PCE module mentioned in clause 1.0.
- iii. The bidder must provide 02 sets of Hose assembly, each of min 120ft length, with quick coupling for Tool Trap operation in addition to the ones available with the parent PCE module mentioned in clause 1.0.
- iv. The Tool Trap must be equipped with carrying handles and protectors for the hydraulic components.

13.9.6 LIGHT WEIGHT 10 K BLOW OUT PREVENTER (BOP), Quantity-01 per PCE Skid, as described below:

- i. Bidder must quote compact light weight Single/Dual type 10K Working Pressure Hydraulic activated Wireline BOP with manual backup option.
- ii. The Single/Dual type BOP fitted with ram for 7/32"OD cable size.
- iii. Bidder must provide 02 sets of complete spare BOP rams for both 7/32" OD and 5/16" OD cable size.
- iv. Bidder must quote "Y"-Hose" assembly for Wireline BOP "OPEN" function fitted within the parent PCE skid unit.
- v. Bidder must quote "Y"-Hose" assembly for Wireline BOP "CLOSE" function fitted within the parent PCE skid unit.
- vi. Bidder must provide 01 no. of 4-way valve (preferably) Hand Pump assembly for Wireline BOP with Pressure Gauge and quick connectors for hoses **in addition to the one available with the parent PCE module** mentioned in clause 13.9.1.
- vii. Bidder must quote 02 nos. per set of X60 ft long Hose assembly with quick end connectors for BOP operation apart (additional unit) from the one available with the parent PCE module mentioned in clause 13.9.1.
- viii. Equalizing and bleed-off valves must be provided with BOP (as necessary).
- ix. Must have Transportation cage with Lifting caps.

13.9.7 SKID MOUNTED COMPACT DIESEL ENGINE DRIVEN AIR COMPRESSOR, QTY-01 No. PER PCE SKID

- i. Standalone, Compact Diesel Engine Driven Air Compressor mounted on skid (preferably overall dimension should not be more than 1.0 m width, 2.0 m length and 1.0 m height for reason of mounting on OIL's available unit – **highly compact unit is desired**) complete with all accessories for continuous supply of compressed air of volume min 70-90 CFM (cubic feet per minute) @100 psi to operate Hydraulic Control Module offered in Clause 13.9.2 above. Two numbers of Air outlet connections with quick connect must be provided. Two nos. of suitable air-hose reel 100ft. length mounted on wet-center reel must be provided.

- ii. Bidder is requested to provide the positive air shut off valve with the compressor for safety in logging operations.
- iii. Bidder is requested to quote spares and consumables for the offered compressor for 2 nos. of periodic maintenance. Bidder to provide a complete list of spares required for maintenance of the unit for at-least 2 years.

Note I : The above compressor skid shall be used in Oil & Gas wells for operating Air driven Grease injection pumps required with Pressure Control Equipment operation and other equipment.

Note II : Bidder must quote all items including any item which is not mentioned in clause above, required for successful operation with offered PCE unit. Any item found required during commissioning but not quoted by bidder must be offered Free of Charge basis to OIL.

13.9.8 **PORTABLE 10,000 PSI PRESSURE TEST UNIT; QUANTITY= 02 NOS.**

- i. Bidder must provide compact standalone pressure test unit to pump water for testing the lubricator assembly up to 10,000psi. Required model is Elmar Portable Pressure Test Unit (P/N L-696820) or equivalent.
- ii. The unit must have air-driven high-pressure pump.
- iii. The unit must have stainless steel inbuilt water tank along with min100ft. line hose on wet-center reel.

13.9.9 The bid must contain the following additional Spares and Consumables against the 02 (Two) sets of PCE equipment (i.e. items must be quoted as per Quantity specified and will be used for bid evaluation) :-

S/N	MATERIAL DESCRIPTION	QUANTITY
ADDITIONAL EQUIPMENT		
1.	Pneumatic tool box set to open various sizes nut bolts (snap on make or equivalent)	02 SETS
2.	At least 25 m pneumatic hose mounted in the unit with suitable quick connection to take air from the compressor unit for various purpose like operation of pneumatic tools	02Nos.
3.	Suitable adapters/quick connection for the air hose	10 sets
4.	Well Head Adapter Flange of 2-9/16" size, BX-153 groove, 10,000 psi rating	02 Nos.

5.	Suitable blank plugs to plug hoses, nipples fitted in the unit and pressure control equipment after use	10 nos.
6.	10K WP Bleed off sub to release pressure trapped in PCE assembly (with 1/2" NPT port for connection of suitable valve) & compatible for use with Lightweight Lubricators	02 Nos.
7.	10,000 psi rating Swage adaptable to 2 7/8" EUE tubing	03 Nos.
8.	Lubricator clamp, spreader and wire rope slings assembly OR ANY OTHER ITEMS REQUIRED FOR OPERATION	02 Nos.
SPARES AND CONSUMABLES		
9.	SPARE Hydraulic twin hand pump for BOP and Tool trap operation.	02 Nos.
10.	SPARE high-pressure light weight hoses (at least 75 meters) same as fitted in the skid for grease injection with necessary connection and adaptors on Wet-center reels. (Please note that if a single roll of 75m long hose is not available / mountable the same may be provided as separate 120 ft. length hoses with suitable connector/adaptor for obtaining required length)	02 Nos.
11.	SPARE NRV/Check Valve fitted in 10K Grease Control Head equipment for operating in oil & gas wells.	25 Nos.
12.	Flow tube for 7/32" cable: True gauze (1 Set = 4 flow tubes of True gauge size for 7/32" cable)	15sets.
13.	Flow tube for 5/16" cable: True gauze (1 Set = 4 flow tubes of True gauge size for 5/16" cable)	15 sets.
14.	Metallic Line bushing (7/32" and 5/16")	10 sets EA.
15.	Line wiper/rubber (7/32" and 5/16")	10 sets EA.
16.	SPARE Complete BOP RAM set for 5/16" OD cable	02 nos.
17.	SPARE Complete BOP RAM set for 7/32" OD cable	02 nos.

18.	Adaptors for interconnection with NOV Elmar Pressure Control Equipment (In case bidder offer Equivalent PCE other than NOV Elmar equipment) Please Refer Annexure -1	02 nos.
19.	Any other spares, consumables required for 30 number of well-site operation with Pressure Control Unit Skid and not mentioned elsewhere in tender	Quantity as per bidder's recommendation

NOTE: OIL at its discretion may increase or decrease any item(s) quantity under clause 13.9.9

14.0 BOWEN 150 SERIES CASED HOLE FISHING EQUIPMENT

- i. The bidder must offer four nos. (04) of complete fishing kit assembly for fishing operation in 5 ½ inch OD casing. Out of four, two nos. of fishing kit should be fitted with basket grapple for catching 1 7/16 inch cable head and the rest 2 nos. of fishing kit should be fitted with spiral grapple to catch 3 ¼ inch tool body.
- ii. The fishing overshot should be able to connect with the 2 7/8 inch EUE N80 tubing.
- iii. Two nos. of guides for each casing/liner sizes of 5 inch, 7 inch and 9 5/8 inch OD.
- iv. Eight (08) nos. of basket grapples (with basket grapple control) for catching 1 7/16 inch cable head.
- v. Eight (08) of spiral grapples (with spiral grapples control) for catching 3¼ inch tool body should be provided
- vi. Five (05) nos. of spiral grapples (with spiral grapples control) for catching 3 1/8 inch tool body should be provided.
- vii. For the fishing kit, item-wise complete list of all the parts with respective Part Number to be furnished.
- viii. Any other accessories not mentioned above and required for fishing operation in cased hole, need to be quoted.

15.0 SPARES PARTS AND CONSUMABLES

Bidder must quote following spares and consumables with individual price break-up.

15.1 Spares and consumables for Depth and Tension Measuring system

- a. Two (02) nos. of depth and tension measuring head with panel & accessories same as fitted in the logging units.
- b. Two (02) sets of Encoders, and 4 sets each of Measuring Wheels, Load pins, Tension Wheels (for 5/16 and 7/31 cable), guide rollers, bearings and any other items that undergo wear and tear (1 set = quantity used in one measuring head).
- c. Spare cables used between measuring head to bulkhead connector, similar to the one fitted in the logging units, Quantity = 03 sets.

15.2 Spares for Hydraulic System:

- a. Joystick for winch operation: 04 Nos.
- b. Speed Controller for hydraulic alternator: 04 Nos.
- c. Hydraulic Alternator with all accessories same as fitted in the unit: 01 nos.
- d. Speed Controller for Winch Hydraulics = 3 Nos.
- e. Voltage regulator for hydraulic alternator: 04 nos.

15.3 Spare for Diesel Generator:

- a. All type of filters (fuel filter, air filter and oil filter etc.): 40 nos. each.
- b. Other consumable spares for servicing of the diesel generator for five years for all the two units.

15.4 Spares for Surface Systems

- a. Spare RMPC same as fitted in the logging unit - 02 (Two) nos.
- b. Spare SMPS for RMPC – 04 (Four) nos.
- c. Spare graphics card for RMPC – 02 (Two) nos.
- d. Spare Monitor same as fitted in the logging unit - 03 (Three) nos.
- e. Spare keyboard and mouse same as fitted in the logging unit - 03 (Three) nos. each
- f. Laptop loaded with complete acquisition software with license - 01 (One) nos.
- g. Thermal Printers same as fitted in the unit : - 03 Nos (three)
- h. Colour Printer same as fitted in the unit : - 01 No (one)

- i. Spare shooting panel same as fitted in the logging unit - 02 nos.
- j. Spare CHIP panel same as fitted in the logging unit - 02 nos.
- k. Spare stray voltage measuring panels same as fitted in the logging unit - 02 nos.
- l. Any other panels (except depth measurement panel) fitted in the logging unit which is not covered above: 02 nos. each
- m. All cables interconnecting the monitors, panels, bulk head & depth measuring panel in the logging unit – 02 sets
- n. All PCBs for CHIP, depth panel display and controller board need to be quoted: Quantity 02 nos. each

15.5 Spares for Logging cabin Air Conditioner and illumination accessories:

- a. 2 Nos. of Logging cabin Air Conditioner need to be provided same as fitted in the logging units.
- b. Replacement light bulbs (for all the cabin lights) same as fitted inside the logging unit: 30 nos. each type
- c. Complete light fixtures for rig light and work light same as fitted in the unit: 06 nos. each type
- d. Replacement light bulbs for rig light and work lights: 10 nos. each

15.6 Other accessories and consumables:

- 1. Papers: The following papers (roll/fanfold) need to be provided which will fit into the printers installed in the logging unit
 - a. Thermal paper roll – Quantity 150 nos.
- 2. Spare Slip-rings same as fitted in the unit, total quantity = 04 nos. (02 for 5/16 inch and 2 for 7/32 inch cable).
- 3. Spare cables between Slip Ring to bulkhead same as fitted in the unit = 04 Nos. (02 for 5/16 inch and 02 for 7/32 inch cable)
- 4. Printing Head (spare) for the printers to be provided, quantity = 15 Nos.
- 5. Magnetic Positioning Device (MPD) required for 2 1/8 in TTP job operation: 12 nos. with Pin type connection having 1 3/16” - 12 N – 2 (“GO” connection).
- 6. Magnetic Positioning Device (MPD) required for 1 11/16 in TTP job operation: 06 nos. with Pin type connection having 1 3/16” - 12 N – 2 (“GO” connection).

7. Back off bar with firing head – 15 nos. The top of the firing head should be Pin type connection, 1 3/16” - 12 N – 2 (“GO” connection).
8. 1 11/16 inch OD male (Pin) to male (Pin) adapter: 06 nos. and service kit 06 nos. All threads must be standard “GO” connection.
9. 1 11/16 inch OD female (Box) to female (Box) adapter: 06 nos. and service kit 6 nos. All threads must be standard “GO” connection.
10. Consumables used in TTP operation:
 - i. Mocap tape: Quantity 50 nos.
 - ii. High temperature tape: 50 nos.
 - iii. Primacord end seal: 200 nos.
 - iv. Splicing rubber Boot: 200 nos.
 - v. Nylon Thread: 25 roll
 - vi. Wires required for MPD servicing: 6 rolls of 200 m each
 - vii. MPD servicing rubber boot: 50 nos.

NOTE: Bidders must note that OIL at its discretion may increase or decrease the quantity of above spares and consumables.

16.0 RECOMMENDED SPARES LIST:

Apart from the spares, consumables and accessories mentioned above, the bidder is required to submit a list of all the recommended spares (electronic, electrical, mechanical, hydraulic etc.), accessories and consumables for the truck mounted assemblies, sub-assemblies, surface electronic systems, and downhole tools. This recommended spare parts list should contain description, part number and quantity of each item. The quantity of items recommended must be sufficient to cater 100 runs per tool in 02 years of uninterrupted operation and maintenance.

(This is required for OIL’s future reference / procurement only, and will not be considered for bid evaluation.)

NOTE:

- i The Bidder must submit a written commitment that the spares and consumables will be supplied on chargeable basis to OIL for a period of 10 years from the date of closing of the bids, and in the event a part is not available due to a vendor going out of business or some other reason, the Bidder will determine and supply a suitable replacement part on chargeable basis to OIL.
- ii Procurement of spares, accessories, PCBs, consumables etc. as mentioned above shall be at the discretion of OIL.

17.0 STANDARD PRICE LIST

Bidders are also required to submit a standard price list of the entire items used in the offered tools and surface systems. The price list must include all electronic, electrical, hydraulic items, mechanical items, accessories and consumables, Sub-assemblies, surface electronic system of the truck unit and downhole tool. The price list should contain description, part number and unit price of each item and must be valid for a minimum period of two years (02) from the date of successful commissioning of the equipment.

(This is required for OIL's future reference / procurement only, and will not be considered for bid evaluation)

18.0 PAST PERFORMANCE

At the time of technical evaluation of the offers, past performance of similar equipments supplied by the bidder as well as after-sales service, supply of spares etc. in respect of such equipment by the concerned bidder will be considered. If the same are not found to be satisfactory as already communicated to the bidder, the offer may be considered as unacceptable and rejected.

19.0 The bidder must confirm in writing along with their bid that they possess all standard testing & calibration facilities at their manufacturing Base / Testing centre, including pressure / temperature testing etc., for all the tools offered by them against this tender.

20.0 The logging trucks, tools and accessories offered against this bid must be latest and state-of-the art in the Industry with capability of trouble free data recording and seamless data transferring up to well depth of at least 6500 meters and must have been field proven for at least 1 year prior to bid closing date.

21.0 The bidder should also have proper R & D facilities for development and upgradation of their equipment.

22.0 DEVIATIONS FROM TECHNICAL SPECIFICATIONS

The bidder must quote as per the tender requirement only and provide full information wherever applicable in the bid. After opening of the bids, in case any technical clarification is required on any bid, OIL will seek clarification from that bidder and the bidder will have to reply/clarify with complete details within the specified time mentioned by OIL. If not complied, that particular bid may not be considered for further evaluation.

The bidder must respond to each and every clause in the Section-B in a tabular form as per **APPENDIX – B2**.

23.0 UNPRICED BID

Bidder must submit an un-priced bid along with technical bid by omitting the price from the invoices for technical evaluation of the bid.

*****END OF SECTION-B*****

SECTION – C - TRAINING & INSPECTION

TRAINING

Immediately after placement of the Purchase Order, the successful bidder should communicate the proposed training schedule to OIL for the Field Engineers, Maintenance Engineers and Interpretation Engineers **at least 04 (four) months** in advance for each training program. OIL will confirm acceptance of the schedule of training **at least two months** in advance for each program. The engineer's training program must be completed within **9 months of the issuance of LOA**.

1.1. The bidder will have to provide training for 04 (Four) Field Engineers, 03 (Three) Maintenance Engineers and 02 (Two) Interpretation Engineers at their training school which is equipped with Test Well and all other requisite facilities. Interpretation Engineers Training on data processing software is to be provided for all the supplied tools, wherever it is required. The training charges, if any, should be quoted separately which shall be considered for evaluation of the bid. However, passage and living expenses, including accommodation charges of OIL Engineers nominated for the training courses will be borne by OIL.

- i **Logging Operation Engineers Training:** This should include detailed aspects of cased hole wireline logging, operation of tools procured, well completion system / different types of perforations and basic equipment trouble shooting at the Base & Fields in addition to the regular curriculum for Field Engineers' Training Course at the suppliers' Training School. Duration of the training period, locations of training and pre-requisites of the trainees, if any, should be specified in the bid documents. .
- ii **Logging Maintenance Engineers Training:** This should include detailed theoretical and practical training on the logging system Hardware & Software, Down hole tools to be supplied with the unit, Hydraulic and Pneumatic systems for operation, troubleshooting & repair of the operators' winch and power generating subsystems of the Logging Unit in addition to the scheduled regular Maintenance Engineers' Training course at the Suppliers' Training School. Duration of the training period, locations and pre-requisites of the trainees, if any, should be specified in the bid documents.
- iii **Automobile Maintenance Engineer's Training cum inspection:** After completion of manufacturing of the logging unit, the supplier will have to arrange a training program for OIL's Transport Engineers on maintenance of the Truck Engine, Mechanical, Hydraulic, Pneumatic systems and subsystems associated with the Logging Unit. Modalities of the arrangement proposed for this training at supplier's premises including duration of the training period and pre-requisites of the trainee, if any, should be specified in the bid documents. The training should include the following:
 - 1. Engine and its control system.
 - 2. Transmission, Transfer Case, PTO, Axle, etc.

3. Brake & Pneumatic system of truck chassis.
4. Complete Hydraulic System (as per the hydraulic schematics).
5. All Pumps & Motors and Torque Hub of winch drums of the hydraulic system.
6. Electrical/electronic control system for operation of hydraulic winch, alternator and all other hydraulic actuators.

1.2 INSPECTION & ACCEPTANCE

After finalizing the tentative readiness of the equipment, the successful bidder should communicate the proposed inspection schedule to OIL, with the confirmed date for inspection, at least three months in advance. OIL, in turn, will confirm the scheduled date of visit of its personnel one month in advance to the successful bidder. The pre-shipment inspection of the equipment shall be carried out in 2 (two) phases:-

- 1) Automobile and Hydraulic Section
- 2) Logging Section

Both the phase of inspection will be done at the supplier's premises by a team of executives from OIL as mentioned below.

1.2.1 INSPECTION: Automobile and Hydraulic Section

Bidder should ensure that inspection of Phase 1 begins immediately after completion of training of Logistic Engineers. The same Logistics Engineers who attends the training, will carry out the inspection of automobile and hydraulic section of the logging units.

The supplier shall facilitate pre-dispatch inspection of the logging unit at their Plant/Works for a minimum period of 02 (two) weeks by 2 (two) Logistics Engineer from OIL. Passage and living expenses, including accommodation charges of OIL Executives nominated to carry out the inspection work will be borne by OIL. The period of inspection and acceptance process may accordingly be specified by the bidders in the bid documents. The inspection cum acceptance process will include the following minimum tasks / steps:

- i. Physical verification / inspection of all the items / fittings / accessories as per the Purchase Order (related to the Automobile Section only), including all parts catalogue, maintenance & Service Manuals, Schematics, Final Chassis built up/ Vehicle Content Record documents, etc. and actual loading on axles. The supplier shall arrange driver / operator, weighing facility and any other infrastructure as and when required during the process of inspection.
- ii. Verification of all Certificates / records of testing and other documents related to the logging truck.

Note: If shock and vibration testing certificates are not available, then the bidder must provide confirmation that the truck is built to withstand shock and vibration normal during driving on unpaved / rough roads as well as highway driving.

- iii. Operational testing of the truck and the complete hydraulic system.
- iv. The supplier shall have to take note of any minor modification(s) for operational requirement suggested by the inspectors and comply with the same at no extra cost.
- v. The minutes of the inspection task would be prepared at the end of the inspection process and jointly signed by both the parties (OIL and the supplier).
- vi. The supplier shall confirm in writing compliance of all the points raised in the minutes of inspection as well as any other subsequent additions/ changes, following deliberations with the Phase – 1 Inspectors after arrival at Duliajan, Assam.

NOTE: The team of 02 (two) Transport Engineers from OIL, immediately after completing the Transport Engineers Training, will carry out the Phase – 1 inspection for at least one week.

1.2.2 INSPECTION: Logging Section

The pre-shipment inspection of the equipment shall be carried out at the supplier's premises by a team of executives from OIL as mentioned below.

The supplier shall facilitate pre-dispatch inspection of the two logging units at their Plant/Works for a minimum period of 03 (Three) weeks by 2 (two) Logging Engineers from OIL.

Passage and living expenses, including accommodation charges of OIL Executives nominated to carry out the inspection work will be borne by OIL. The period of inspection and acceptance process may accordingly be specified by the bidders in the bid documents.

The inspection cum acceptance process will include the following minimum tasks/ steps:

- i. Physical verification of all the items as per the Purchase Order with emphasis on items of cost more than US \$ 1500 per item.
- ii. Functional testing of the logging system, logging tools and accessories.

- iii. Pulling capacity of the winch up to 8000 lbs need to be tested.
- iv. Verification of all records of Pressure, Temperature, Shock and Vibration testing carried out after manufacture of the logging tools as applicable.
- v. Checking of Export Invoices and discussing necessary modalities for safe transportation of the goods.
- vi. Technical discussions on any deviations from the Purchase order and provide feedback to OIL with technical justifications for approval of the order amendment by the competent authority.
- vii. Inspection of Training Manuals and other Engineering Documents.
- viii. The Inspection and Acceptance report would be prepared jointly and signed by representatives of both the parties at the end of the inspection process.
- ix. The supplier shall confirm in writing compliance of all the points raised in the minutes of inspection as well as any other subsequent additions / changes, following deliberations with the Inspectors after arrival at Duliajan, Assam.
- x. After completion of the Phase-2 inspection, the supplier will initiate the process of dispatching of the unit only after receipt of OIL's dispatch advice.

*****END OF SECTION-C*****

SECTION – D - INSTALLATION AND COMMISSIONING

- 1.0. Installation and commissioning** includes commissioning of the two logging units, testing of all the downhole tools in the well and testing of all other goods supplied. The bidder will have to depute commissioning engineers to OIL, Duliajan having good communication capability in English and with minimum of five years experience in operations and maintenance of wireline logging and downhole tools, for field commissioning of the entire equipment. The bidders must quote for lump sum commissioning charges which should include to and fro air-fare of their personnel. The commissioning charges quoted will be considered for bid evaluation
- 1.1.** Supplier shall have to bear all expenses related to Train/Air/Sea travel, local transportation expenses, transit insurance and boarding and lodging expenses etc., for their personnel deployed during commissioning.
- 1.2.** Immediately after receipt of all the materials by OIL at Duliajan, a written advice will be issued to the supplier asking them to commence installation and commissioning, which must be promptly acknowledged by the supplier.
- 1.3.** Commissioning of the two Logging Units along with all the downhole tools and other accessories is to be completed within 03 (three) months from the date of receipt of such an advice from OIL (this three months period excludes the waiting time for well readiness).
- Note OIL will make sure that wells are made available for testing the tools within the three months of commissioning period.
- 1.4.** Supply of short-shipped and warranty replacement items is to be arranged, including Customs Clearance etc. by the suppliers or their authorized representatives at their cost within 03 (three) months from the date of completion of commissioning of the entire equipment.
- 1.5.** In addition to all other installation and commissioning jobs, all the downhole tools will be tested in OIL's oil/gas wells by carrying out actual logging operations. Each downhole tools must perform at least 02 nos. of successful logging operations in two different wells. Each of these logging jobs will have to be carried out in a well-depth of 3500 meters (approx.) or more as required by OIL.

2.0 LIQUIDATED DAMAGE

Liquidated Damage will be levied for any failure on the part of the supplier in completion of installation and commissioning @ 0.5% per full week or part thereof to a maximum of 10% of the value of the

installation and commissioning. Moreover, if the successful bidder fails to commission the entire equipment within 01 (one) year from the date of intimation from OIL after arrival of the equipment at Duliajan, OIL will invoke performance security

3.0 WARRANTY

- 3.1 Oil India Limited (OIL) reserves the right to inspect, test and wherever necessary, reject the goods after arrival of the goods at site, only if the said rejection is attributed to be the responsibility of the Bidder. It shall, in no way be limited or waived by reason of the goods being previously inspected, tested and passed by OIL or its representatives prior to the goods shipment from the country of origin.
- 3.2 Materials supplied as per the Purchase Order should be under warranty by the suppliers for a minimum period of 01 (one) year from the date of successful completion of installation and commissioning of the entire equipment at site. Any item / sub item failed during the above mentioned warranty period is to be replaced / repaired within 03 (three) months from the date of notification of such failure. The warranty of the repaired / replaced items shall be correspondingly extended by a period equal to that from the date of failure to the date of commissioning of the replaced/repaired item. In order to keep the equipment fully operational, all spares and accessories required during the warranty period is to be arranged at site by the suppliers or their authorized representatives, within 03 (three) months, at their cost (including Customs Clearance etc.)
- 3.3 The truck, equipment, Tools and all test equipment offered must be brand new, unused and not manufactured before one year prior to the date of placement of order (LOA) and of highest standard of the present day oil and gas well logging industry. All items necessary for safe and economic operations by the unit are to be included in the bid irrespective of whether they are mentioned explicitly or not in this document. The system and its sub-systems should be engineered to make it easily adaptable for future up-gradations.

*****END OF SECTION-D*****

SECTION-E BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

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

The bids shall broadly conform to the technical specifications and terms & conditions detailed in this tender document. Bids shall be rejected in case the items/equipment/tools do not conform to the required parameters stipulated in the technical specifications and to the respective international/national standards wherever mentioned as well as to the terms of the tender. Notwithstanding the general conformity of the bid to the tender provisions including the specifications and terms & conditions, the following requirements must be particularly met by the Bidder, without which the offer shall be considered as non-responsive and rejected.

(A) TECHNICAL:

A.1 BIDDER'S ELIGIBILITY:

- 1.0 The Bidder should either be the Original Equipment Manufacturer (OEM) of the offered Cased Hole Wireline Logging Units.

OR

The offered Cased Hole Wireline Logging Units are manufactured by the Bidder's Parent/Subsidiary/Co-subsidiary of any tier of same group company (any such relationship should be on 100% basis).

Note: Bidder must identify their status in the Technical Bid whether they are the OEM of offered Cased Hole Logging Units or Bidding as a Parent/ subsidiary /co-subsidiary of the OEM.

- 2.0 The Original Equipment Manufacturer (OEM) of the offered Cased Hole Logging Units must satisfy the following criteria, irrespective of whether the Bidder himself is the OEM of the offered Cased Hole logging Units or not:
 - a) Should have minimum 05 (Five) years of experience in manufacturing Cased Hole Wireline Logging Units as on the original Bid Closing Date of the Tender.
 - b) Should have manufactured and sold minimum 05 (Five) numbers of Cased Hole Wireline Logging Units to various companies which are in the business of "Exploration & Production of hydrocarbons" and/or "Oil Field Service Providers" during the last 05 (Five) years as on the original Bid Closing Date of the Tender.
 - c) The 05 (five) numbers of Cased Hole Logging Units as mentioned in sub-para (b) above, must have been sold/supplied directly by the OEM themselves or through their Parent/Subsidiary/Co-subsidiary

to the clients/purchasers based in **at least 02 (Two) different countries.**

3.0 Along with the Technical Bid, the Bidder must submit following documentary evidences in support of the credentials of the OEM of offered Cased Hole Logging Unit pursuant to clause No. 2.0 (a), (b) & (c) above.

- (a) Photo Copies of the contracts/purchase orders awarded by Clients together with the corresponding dispatch/delivery documents (viz; Invoices/Bill of Lading/Consignment Note etc.) and Successful Commissioning Report of the supplied units.
- (b) In addition to above, the Bidder must submit certificates/documents from minimum two (2) of their clients certifying that the Cased Hole Logging Units sold to them by the Bidder/OEM is/are functioning to their satisfaction. In lieu of such certificates from Clients, Undertaking from the CEO/Company Secretary of the bidding Company to the effect that his/her Company has executed/completed such Orders/Contracts for Cased Hole logging Units complete with necessary tools are performing to the best satisfaction of Customers/Clients.

4.0 In case the Bidder is not the OEM of the offered Cased Hole Logging Unit, but submitted their bid as the Parent/Subsidiary/Co-subsidiary of the same group company of OEM (on 100% basis), they must submit the following documents along with their Technical Bid, failing which their bid shall be considered as incomplete and rejected.

- (a) Documentary evidences regarding existence of such relationship between the Bidder and the OEM of the offered Cased Hole Logging Unit.
- (b) Authorization Letter/Certificate from the manufacturer (OEM) on their official letter head duly authorizing the Bidder to quote and sell their products & services (installation, commissioning, training, upgradation & troubleshooting etc.).
- (c) Back-up warranty letter from the concerned OEM for guaranteed supply and satisfactory performance of their Cased Hole Logging Unit in the event of an order by OIL on the Bidder against the Tender.

A.2 BIDDER'S EXPERIENCE AS A SERVICE PROVIDER:

1.0 The Bidder or its Parent/Subsidiary/Co-subsidiary of any tier of same group company (such relationship should be on 100% basis) must have experience of providing Wireline Logging Services for minimum of 2 (two) years to E&P companies at least in two (2) different countries other than its own country of origin during the last 5 (five) years preceding the original bid closing date of this tender.

- 2.0 In support of service experience as per clause No. 1.0 above, Bidder must submit documentary evidences in the form of relevant contracts/agreement copies evidencing the Scope of Work along with any one of the following documents:
- (a) Satisfactory completion/Performance Reports issued by Clients
OR
 - (b) Proof of release of Performance Security after completion of contracts
OR
 - (c) Proof of settlement/release of final payment against the contracts
OR
 - (d) Documentary evidences in the form of initial and final signed job tickets/service tickets against each such contracts/agreements
OR
 - (e) Any other documents which can substantially prove the service experience criteria as per clause No. 1.0 above.
- 3.0 As on the bid closing date of this Tender, the bidder must have its base in India with capability to provide immediate support / solutions to the Logging Units / Tools, if required by OIL.

A.3 THE LOGGING UNIT:

- 1.0 The offered Logging Unit should be 6X4 Drive, rear axle drive.
- 2.0 Offers of **Left-Hand driven** (Steering on Left Hand Side inside the driver's cabin) Logging Truck will be rejected.
- 3.0 Offers other than **diesel fuel** driven Logging Trucks will be rejected.
- 4.0 Bids with qualifying conditions like **"the product is under development and would be supplied by the time etc.,"** will be summarily rejected.
- 5.0 Wherever two or more sets of the same equipment/item are required, the bidders must quote all the sets of the same item that are identical in all respects i.e. the same category of equipments must be of same make, model and compatible in all respects. The bidder must quote accordingly as mentioned in this clause.

A.4 LOGGING SYSTEM:

- 1.0 The offered logging system must be capable of performing the cased hole logging operations and services with the type of tools including production logging, well completion operations and perforations as described in the Tender document. Bidder must confirm compliance on this point in its bid.
- 2.0 All the downhole logging tools mentioned in this tender and offered by the bidder should be rated for minimum 104MPa (15000 psi) and 177-degree C (350-degree F) temperature. Temperature rating should be for a minimum of one-hour continuous exposure in well bore.

- 3.0 The Bidder must submit a written commitment to supply spares & consumables on chargeable basis to OIL for a period of 10 (ten) years from the date of original Bid Closing of this Tender. In the event, any part becomes unavailable due to a vendor goes out of business or for some other reasons, the Bidder shall determine and supply a suitable replacement on chargeable basis to OIL.
- 4.0 The Bidder must offer free updates/up-grades of the Software for a minimum period of 10 (ten) years from the date of original bid closing of this tender.
- 5.0 The Bidder must categorically confirm in their technical bid that in the event of an order, they will carry out installation & commissioning of their entire supplied system including the Logging Unit with all tools at Duliajan, Assam, India as per provision of the Tender. Any Bidder not offering installation & commissioning of their offered system shall be as non-responsive and rejected.
- 6.0 The Bidder must offer at least 01 (one) year Warranty period for the entire equipment to be supplied by them from the date of completion of successful field commissioning. Any item/sub-item failed during the warranty period shall be replaced/repaired free of cost within 03 (three) months and warranty of such item(s) shall be extended accordingly.
- 7.0 Bidder must offer for Training and Inspection as detailed in the **SECTION-C** of this Tender document.

A.5 DELIVERY:

- 1.0 Delivery shall be essence of the contract/PO. Delivery required against this tender is maximum 12 (Twelve) months from the date of opening of LC in case order is placed on the foreign supplier OR within 12 (twelve) months from the date of receipt of detailed order in case the order is placed on indigenous supplier. Date of clean Bill of Lading (B/L in case of foreign supplier) or the date of Consignment Note (C/Note date in case of indigenous supplier) shall be considered as the date of delivery.
- 2.0 Bidder must comply with the above schedule and confirm in their Techno-Commercial bid. Bids not meeting time schedule as mentioned in the tender shall be summarily rejected.
- 3.0 In the event of the Seller's default in maintaining the agreed delivery schedule, seller shall be liable to pay liquidated damages @ 0.5% per week or part thereof of the material value of the order subject to a maximum of 7.5%. Liquidated damages amount, if any, shall be adjusted/deducted while processing the balance payment which is payable after commissioning.

GENERAL NOTE:

Bidder must confirm their response to each & every aforementioned BRC (Technical) clauses as per check-list provided in this tender document vide **APPENDIX-B3**. The check-list should be duly filled in by the Bidder and uploaded as part of their Technical Bid to minimize post-tender clarifications and to avoid rejection of their offer.

(B) FINANCIAL EVALUATION CRITERIA:

- 1.0 The bidder shall have an annual financial turnover of minimum **INR 34,24,64,420.6 or (USD 46,24,148.266)** during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date, irrespective of whether their bid is for all the tendered items or not.
- 2.0 "Net Worth" of the bidder should be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender (i.e., **year 2020-21**).
- 3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year **2020-21** has actually not been audited so far'.

Note:

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical bid:-
 - i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE-E-I**.
- OR
- ii) Audited Balance Sheet along with Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.
- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/ State

Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

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

(C) COMMERCIAL CRITERIA:

Commercial Bid Rejection Criteria will be as per Section D of General Terms & Conditions of Global Tender (MM/GLOBAL/E-01/2005) with following Special Bid Rejection Criteria.

- 1.0 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.
- 2.0 The prices offered shall have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- 3.0 Bids received in physical form against online invitation through e-portal shall be rejected (except the documents specifically called for in hard copies, if any). Similarly, Bids received after the bid closing date and time shall be rejected. Also, modifications to bids received after the bid closing date & time shall not be considered.
- 4.0 Bids containing incorrect statement shall be rejected.
- 5.0 Validity of the bid shall be **120 days** from the date of Bid Closing Date. Bids with lesser validity will be straightway rejected.
- 6.0 **Deleted.**
- 6.1 Deleted
- 7.0 Bidders must confirm in their technical bid that Materials supplied as per the Purchase Order would be under warranty by the suppliers for a minimum period of 01 (one) year from the date of successful completion of installation and commissioning of the entire equipment at site. Any item / sub item failed during the above-mentioned warranty period is to be replaced / repaired within 03 (three) months from the date of notification of

such failure. The warranty of the repaired / replaced items shall be correspondingly extended by a period equal to that from the date of failure to the date of commissioning of the replaced/repaid item. In order to keep the equipment fully operational, all spares and accessories required during the warranty period is to be arranged at site by the suppliers or their authorized representatives, within 03 (three) months, at their cost (including Customs Clearance etc.). This is as per clause no. 3 of Section-D.

- 8.0 Successful bidder shall be required to furnish a Performance Security equivalent to three percent (3%) of total evaluated value of Order, which should remain valid throughout the period as mentioned in MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders), including extension, if any. The successful bidder shall submit Performance Security within 30 days of award, failing which OIL reserves the right to cancel the order and forfeit their Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.
- 9.0 Offers should be submitted along with Integrity Pact duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.
- 10.0 Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below:

(i) **Price Bid Format (SUMMARY) for Foreign Bidders:**

A.1	Cost of items covered under Section-A except Para 7.0 (A2)
A.2	Cost of items covered under Section-B except Clause no. 16.0 & 17.0
B	Cost of commissioning spares, if any
C	Pre-Despatch/shipment Inspection Charges as per Section-C, Clause no. 1.2 , if any
D	Total Cost of the unit, A.1 + A.2 + B + C
E.1	Packing, FCA (Gateway airport) Charges for Explosives, RA Sources and perishable consumable
E.2	Packing & FOB (seaport) charges for Remaining items
F	Total FOB/FCA port/airport value, (D+E.1+E.2) above
G.1	Air Freight charges for Explosives, RA Sources and perishable consumables upto Hyderabad/Bangalore/Mumbai/Chennai/Kolkata, India
G.2	Ocean Freight Charges for Remaining items upto Kolkata, India
H	Insurance Charges @ 0.5 % of Total FOB Value vide (F) above
I	Banking Charges @ 1% of Total FOB Value vide (F) above in case of payment through Letter of Credit. If confirmed L/C at buyer's account is required, 1.5% of Total FOB Value will be loaded)

J	CIF Value (F+G.1+G.2+H+I)
K	Basic Custom Duty on (J)
L	CIF +CD Landed Value (J+K)
M	IGST (including cess, if any) on (L)
N	CIF +CD+GST Landed Value (L+M)
O	Training charges at bidder's works as per Clause No. 1.1 of Section-C , If any
P	GST on Training Charges (O)
Q	Installation and commissioning Charges for the complete unit as per Clause No. 1.0 of Section-D , if any
R	GST on Installation & Commissioning Charges
S	Total Value (N+O+P+Q+R)
T	Total Value in words :
U	Gross Weight :
V	Gross Volume :
W	Cost of items (<i>additional maintenance spares for 02 years</i>) covered under Para 7.0 (A2) (will not be considered for evaluation)
X	Cost of items covered under Section-B, Clause no. 16.0 (<i>recommended spares for 02 years</i>) & 17.0 (<i>standard price list valid for minimum 02 years</i>) (will not be considered for evaluation)

(ii) Price Bid Format (SUMMARY) for Indigenous Bidders:

A.1	Cost of items covered under Section-A except Para 7.0 (A2)
A.2	Cost of items covered under Section-B except Clause no. 16.0 & 17.0
B	Cost of commissioning spares, if any
C	Pre-Despatch/shipment Inspection Charges as per Section-C, Clause no. 1.2 , if any
D	Total Cost of the unit, A1 + A2 + B + C
E	Packing & Forwarding Charges, if any
F	Total Ex works Value (D+E)
G	GST on (F)
H	Compensatory Cess, If any
I	Total FOR Despatching Station value(F+G+H)
J	Inland freight Charges upto Duliajan, Assam
K	GST on (J)
L	Insurance Charges @ 0.5 % of (I) including GST
M	Training charges at bidder's works as per Clause No. 1.0 of Section-C , If any
N	GST on Training Charges (M)
O	Installation and commissioning Charges for the complete unit as per Clause No. 1.0 of Section-D , if any
P	GST on Installation & Commissioning Charges (O)
Q	Total FOR Duliajan Value (I+J+K+L+M+N+O)
R	Total Value in words :
S	Gross Weight :

T	Gross Volume :
U	Import Content, if any
V	Cost of items <i>(additional maintenance spares for 02 years)</i> covered under Para 7.0 (A2) (will not be considered for evaluation)
W	Cost of items covered under Section-B, Clause no. 16.0 <i>(recommended spares for 02 years)</i> & 17.0 <i>(standard price list valid for minimum 02 years)</i> (will not be considered for evaluation)

11.0 Bidder shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

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

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

- (a) Validity of bid shorter than the validity indicated in the Tender.
- (b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
- (c) Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.
- (d) In case the Party refuses to sign Integrity Pact.
- (e) Average Annual Turnover of a bidder lower than the annual turnover mentioned in the tender.

D. BID EVALUATION CRITERIA:

The bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria shall be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

D.1 TECHNICAL

All materials as indicated in the material description of the tender should be offered. If any of the items are not offered by the bidder, the offer will not be considered for evaluation. **All the items shall be procured from the same source.**

1.0 SPARES AND CONSUMABLES :

- i. Cost of spares, consumables, accessories, panels, critical items, PCBs etc. as mentioned in clause **15.0 of SECTION - B** will be considered for Bid evaluation.
 - ii. Perishable consumables like paper, film, Radioactive items etc., are to be Air Freight up to Hyderabad/Bangalore/Mumbai/Chennai/Kolkata, India and accordingly air freighted charges for these items shall be considered for evaluation.
 - iii. Bid evaluation will be done only for those bids which offer full quantities of goods as mentioned in the SECTION - A through SECTION - D.
- 2.0 Bidder's response to all NIT technical specifications should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. as sought in the tender. Generalized response like - 'As per NIT Specifications/Technical Leaflet', 'Noted', 'Accepted' or 'in any similar fashion' is not considered for evaluation of technical specification.

D.2 COMMERCIAL

- 1.0 The evaluation of bids shall be done as per the Price Bid Format (SUMMARY) provided in the Tender and detailed below.
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

Note: 1) Domestic Bidders must quote inland freight charges upto Duliajan. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose.

2) For enquiries with duty exemption benefit – The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable customs duty for import of goods shall be zero. However, IGST @5% shall be applicable. Indigenous bidder shall be

eligible for concessional rate of GST @5% against Essentiality Certificate for invoice valuing 10 lakh and above.

4.1 When only foreign bidders are involved:

The Total Value of Foreign bidder as worked out as per para **Section-E, A.3, 10.0 (i), S** shall be compared

NOTE: *Banking charge in the country of the foreign bidder shall be borne by the bidder. Banking charge 1% for payment through Letter of Credit. And 1.5 % if confirmed LC at buyer's account is required.

4.2 When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response:

The Total Value of Domestic bidder as worked out as per para **Section-E, A.3, 10.0 (ii), Q** shall be compared

4.3 When both foreign and domestic bidders are involved:

The Total Value of domestic bidder as worked out as per para **Section-E, A.3, 10.0 (ii), Q (excluding J, K & L)** above and Total Value of the foreign bidder worked out as per Para **Section-E, A.3, 10.0 (i), S** above will be compared.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

5.0 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for Global Tender. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) mentioned here contradict the Clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

Ⓢ,Ⓢ,Ⓢ,Ⓢ,Ⓢ,Ⓢ,Ⓢ,Ⓢ,Ⓢ,

ANNEXURE-E-I CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTARD 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 three (3) completed accounting years upto..... **(as the case may be)** are correct

YEAR	TURN OVER In INR (Rs.) Crores/ US \$ Million) *	NET WORTH In INR (Rs.) Crores / US \$ Million) *

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

Place:

Date:

Seal

Membership No:

Registration Code:

UDIN :

Signature

***APPLICABLE ONLY FOR GLOBAL TENDER**

ANNEXURE-E-II FORMAT FOR CERTIFICATE OF COMPLIANCE OF FINANCIAL CRITERIA

Ref: Clause No. B-3.0 of SECTION E - Financial Criteria of the BEC

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

The balance sheet/Financial Statements for the **financial year 2020-21** has actually not been audited as on the Original Bid closing Date.

Place :.....

Date :.....

Signature of the authorized signatory

Note: Please note that any declaration having date after the **Bid closing Date** will not be considered and will be rejected. This certificate are to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date.

ANNEXURE-E-III UNDERTAKING OF AUTHENTICITY OF
INFORMATION/DOCUMENTS SUBMITTED

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. _____ **Dated** _____

To,
The HOD-Materials
Materials Deptt,
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 EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

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

Signature of Authorized Signatory

Name :

Designation :

Phone No.

Place :

Date :

(Affix Seal of the Organization here, if applicable)

APPENDIX -B-1:: TECHNICAL EVALUATION CHECKLIST - AUTOMOBILE & HYDRAULIC SECTION

Bidder need to furnish the checklist while submitting bid documents along with supportive documents. If anything is not captured in the checklist and is mentioned in the NIT, bidder needs to comply with all those clauses with supportive documents as mentioned in **SECTION- A**.

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
1.0 TRUCK CHASSIS: The Truck chassis shall be of Make: Ashok Leyland/ Tata / Mahindra / Eicher / Bharat Benz / Volvo / Scania / Kenworth / International / Peterbilt / Mercedes-Benz/ MOL CY NV / MAN having specifications, fitments, accessories etc. mentioned in the tender. Note: The Technical leaflets/brochure of the offered model Truck chassis shall be submitted along with the technical bid.	
1.1 DIMENSIONS & WEIGHT OF THE COMPLETE UNIT WITH LOGGING CABIN ETC.:	
a. <u>Overall Width:</u> Not more than 2.6 meter.	
b. <u>Overall Height:</u> Within 4.0 meter from ground level.	
c. <u>Overall Length:</u> Not more than 12 meter.	
d. <u>Ground Clearance:</u> Ground clearance of the offered Truck shall be not less than 25cm . For operational convenience, the add-on equipment i.e. subsequently mounted components on the original chassis should be mounted at height preferably not less than 45cm from ground level. It shall be bidder's endeavor	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
to mount subsequently fitted undercarriage components (i.e. other than originally mounted components) at maximum possible height to avoid hitting/fouling while moving on uneven roads.	
<p>e. <u>Total Laden Weight i.e. Total mass: Within 30000 Kg.</u></p> <p>Total laden weight i.e total mass is the weight of the complete unit with all equipment & fittings i.e. total of weight of the Truck with Driver's cabin, weight of well logging cabin, rear cabin and all logging equipment like Drums, Cables etc. that are permanently mounted on the unit, weight of other tools, accessories, items, pumps, motors, hoses etc. that are generally being mounted/ carried / kept in the unit, spare wheel, hydraulic oil, diesel etc. Total laden weight i.e. total mass of the complete unit must be within the Truck manufacturer's Gross Vehicle Weight rating of the offered Truck. The bidder shall clearly mention the Truck manufacturer's Gross Vehicle Weight rating of the offered Truck and total laden weight (i.e. total mass) of the complete unit.</p>	
<p>f. The bidder shall submit GA (General Arrangement) drawing of the complete unit along with the Truck, logging cabin & rear cabin showing the major dimensions of the complete unit along with the technical bid.</p>	
<p>1.2 <u>EMISSION NORMS:</u></p> <p>The offered Truck(s) shall have to comply with the emission norms BS-VI (Bharat Stage-VI)/ EURO-VI. The units shall be</p>	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
equipped with an On-Board Diagnostic system conforming to relevant OBD norms, as applicable.	
<p>1.3 ENGINE:</p> <p>Water cooled, diesel fuel Engine developing maximum power in the range of 350-450 HP(Approx.) at rated RPM suitable for road drive of the Truck as well as logging operation up to a depth of 6500 meter shall be provided. The bidder must offer engine of Make: Ashok Leyland/ Tata / Mahindra / Eicher / Bharat Benz / Volvo / Scania / Caterpillar / Cummins / International / Mercedes-Benz/ MAN.</p>	
<p>1.4 TRANSMISSION:</p> <p>Suitable model of fully automatic / automated transmission having minimum 05 (five) forward gears, neutral & minimum 01 (one) reverse gear(s) with suitable shifter and without clutch pedal as supplied with chassis by the OEM of the offered Truck shall be provided for both road drive of the Truck and logging operation. The offered Transmission shall be compatible with the Engine. Suitable PTOs/transfer case/drivelines etc. as per design / requirement shall be provided. The make and model of the offered transmission, transfer case (if any), PTOs etc. shall be clearly mentioned in the technical bid with supporting technical leaflets.</p> <p>Manual Transmission with clutch pedal is not acceptable.</p>	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
The bidder(s) shall submit the power flow block diagram for both road drive & logging operation from Engine indicating the major components along with the technical bid.	
1.5 <u>DRIVE:</u> 6x4 Drive (One non-powered front steer axle & two powered rear drive axles), rear axle drive.	
1.6 <u>STEERING:</u> The offered Truck shall have Hydraulic power assisted steering and shall be right hand driven (i.e. Steering wheel shall be on right hand side inside the Driver's cabin when viewed from rear of the Truck) Truck. Left hand driven Truck (i.e. Steering wheel on left hand side inside the Driver's cabin when viewed from rear of the Truck) is not acceptable. Minimum turning circle (MTC) radius should not be more than 20 meter.	
1.7 <u>SUSPENSION:</u>	
a. Front suspension: Heavy duty multi-leaf spring suspension of suitable design. Air/Hydraulic suspension at front is not acceptable.	
b. Rear Suspension: Preferably heavy duty Rocker Beam (Walking Beam) suspension with auxiliary leaf springs or air cushion support/Bogie suspension system of suitable design as per design load shall be provided. The bidder shall clearly mention the Make & Model of the offered rear suspension and submit the	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/ not submitted/ complied/ not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
technical leaflet/brochure with technical details of the offered rear suspension in the technical bid. Hydraulic suspension will not be accepted.	
1.8 AXLES:	
a. Front Axle: Steer axle as per design. The bidder shall clearly mention the axle capacity, axle loading of the offered front axle in the technical bid.	
b. Rear Axles: As per design. The bidder shall clearly mention the Make & Model, axle capacity, axle loading of the offered rear axles and submit the technical leaflet/brochure with technical details of the offered rear axles in the technical bid. Rear axles shall have differential lock facility.	
c. Actual loading on each individual axle (all front and rear) shall be within the axle capacity of the respective axle.	
1.9 WHEELS & RIMS: Wheels (Total- 02 Nos. at Front Axle, Total- 08 Nos. at Rear Axles) with Tube & Tyre of adequate ply rating are to be provided. The bidder shall clearly mention the Tyre size of both front wheels and rear wheel etc. in the technical bid. Suitable lifting and mounting arrangement facility for atleast one number of spare wheel shall be provided in the vehicle. Single giant tyre(s) are not acceptable.	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
1.10 BRAKE:	
a. Service Brake: Foot pedal operated, Multiple Circuit Pneumatic brake acting on all wheels with ABS shall be provided.	
b. Parking/Emergency Brakes: Hand Operated Parking Brake shall be provided. It shall automatically get engaged in the event of low/no air pressure.	
c. Buzzer warning for air low pressure shall be provided.	
1.11 FUEL TANK: The fuel tank shall be of adequate capacity to cater fuel demand for at least 30 hours of continuous full load logging operation. Suitable strainer at the opening of the tank to prevent entry of foreign materials and locking arrangement shall be provided. The bidder shall clearly mention the capacity of the fuel tank(s), number of fuel tank fitted in their offered truck in the technical bid. The bidder shall also mention the fuel consumption per hour for full load logging operation of their offered Truck in the technical bid.	
1.12 DRIVER'S CABIN: Originally built & supplied with chassis by chassis manufacturer, ergonomically designed steel/aluminum Driver's cabin complete with all standard fittings/accessories. The driver's cabin shall have seating capacity minimum 02 (two) nos. including the Driver. The driver's seat & co-driver's seat should be	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
comfortable and ergonomically designed with adjustable mechanism and seat belts. The bidder shall clearly mention the seating capacity in the Driver's cabin.	
1.13 The offered truck shall have Air Bag for Driver. Air Bag for Co-driver shall be as per norms.	
1.14 The offered Truck shall have Speedometer indicating the speed in Kilometers per hour.	
1.15 The offered Truck shall have vertical exhaust located behind and projected above the top of the driver's cabin. The exhaust pipe shall be warped with thermal non-conducting material. Moreover, the exhaust pipe shall be such that, rain water ingression shall not be possible.	
1.16 The engine exhaust of the offered Truck shall be fitted with suitable spark arrestor. Note: The Spark Arrestor may be additional attachment to be fitted with the exhaust or an internal mechanism to prevent discharge of open flame and sparks in the exhaust. In case Spark Arrestor is not needed /recommended separately as per the Truck manufacturer, the bidder shall submit supporting document(s) from the Truck manufacturer along with the technical bid.	
1.17 Well covered battery box, suitable electrical Master Switch to engage/disengage all electrical circuits from battery shall be provided in the units.	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
<p>1.18 The electrical connections, other than those comes along with the Truck, shall be suitable to operate in oilfield area. The lightings shall comply road vehicle lighting regulations. Screw-in bulbs shall not be used as far as possible. The electrical wirings shall be fixed and protected as to minimize accidental damage or undue wear. The wirings shall be insulated and the electrical circuits shall be protected against overloading by fuses or automatic cut-outs. Adequate steps shall be taken to ensure electrical continuity and wherever necessary, components shall be bonded by copper straps. The junction boxes, if any, shall be sealed. Lights shall be covered to the extent possible with suitable guard to prevent damage.</p>	
<p>1.19 Amongst other safety systems as per manufacturer's standard, the logging unit(s) shall be fitted with emergency Engine Shut-off System for hazardous condition.</p>	
<p>1.20 All gauges & meters including Engine Tachometer & Hour Meter as per standard inside the driver's cabin are to be provided. It shall be bidder's endeavor to provide the Engine Oil Pressure & Temperature meters, Air Pressure Meter, Transmission Oil Pressure & Temperature meters (if any) with high-low warning buzzers in dash board. In addition, similar types of Engine Oil Pressure & Temperature meters, Engine Tachometer as well as Transmission Oil Pressure & Temperature meters (if any) shall be provided inside the logging cabin. The temperature gauge</p>	

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should have centigrade scale.	
1.21 Fittings, accessories & tools etc.: The units shall be driven on roads in India having traffic rules for Right Hand Drive vehicles only. Accordingly, each unit shall be fitted with the following for safe movement of the unit on road etc.	
(a) All standard accessories, fittings, lightings, safety features etc. as per the Truck manufacturer.	
(b) Headlamps. The photometry of the headlamps to suit “keep-left” traffic.	
(c) Stop Lamps.	
(d) Parking Lamps.	
(e) Direction Indicator Lamps.	
(f) Hazard Warning Lamps.	
(g) Driver cabin lights.	
(h) Horn.	
(i) Rear view mirrors at both sides.	
(j) Windscreen wipers.	
(k) Mud-guard with mud flaps.	
(l) Reflector/Marker Lights.	
(m) Two Nos. of flood lights in suitable location for night operation.	

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(n) An audible back-up alarm to sound when the Truck is put in reverse gear.	
(o) Vehicle Tracking System (VTS) / <i>Global Positioning System (GPS)</i> .	
(p) The Truck is to be fitted with Speed Limiting Device (SLD) & its accessories. The maximum road speed of the Truck with Speed Limiting Device shall preferably be 50 Km/hour without affecting the other performance parameters of the Truck in any manner. The speed limitation function shall not actuate the Truck's service braking system. The Speed Limiting Device shall be failsafe.	
(q) Retro reflective marking (3m make or equivalent, 50 mm width) on the front, rear and both side of the Driver's cabin as per the colour code- Front: White, Rear: Red and Sides: Yellow as per AIS: 090 / applicable standard.	
(r) Wherever feasible, Side/Lateral Underrun Protective Device (SUPD)s, Front Underrun Protective Device (FUPD), Rear Underrun Protective Device (RUPD) shall be fitted in the unit. Note: FUPD/SUPD/RUPD are structures that prevent smaller vehicles from getting underneath etc. during collision as per AIS 069, IS: 14812, IS: 14682 or similar.	
(s) Suitable heavy-duty Towing Hooks both at front and rear capable of pulling/towing the unit from bogged down situation in slushy areas in oil fields from front as well as rear to be provided.	

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(t) Rear view camera with display inside the Driver's compartment shall be fitted in each Truck for clear rear view by the Driver while reversing the unit(s).	
1.22 The following shall be supplied along with each unit :	
(a) 01 No. Fire Extinguisher inside Driver's Cabin.	
(b) 01 No. First Aid Box inside Driver's Cabin.	
(c) Wheel wrench & handle. (In case the wheel nuts are of different size, then separate Wheel Wrenches & Handle shall be supplied for each size of wheel nuts).	
(d) 04 Nos. foldable wheel chocks to prevent accidental movement of unit while in stationary position.	
(e) 02 (two) Nos. minimum 30 MT capacity hydraulic jack with handle.	
(f) 02 (two) Nos. of complete spare wheel assembly (Rim, Tyre with Tube, flap etc.) for front and rear wheels even in case of same front and rear wheels.	
1.23 Tool Kit as given below shall be supplied along with the units:	
(a) Set of Ring Spanners [Sizes(mm): 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28,	

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30x32].	
(b) Set of Open Ended Spanners [Sizes(mm): 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32].	
(c) 6 Inch Long Nose Plier- 01 No.	
(d) Screw Driver (Small, Medium, Long) - 03 Nos.	
(e) 8 Inch Adjustable Wrench- 01 No.	
(f) Hammer with Handle - 1 No.	
(g) Chisel - 02 Nos.	
(h) Center Punch - 01 No.	
(i) Drift Punch - 02 Nos.	
(j) File, Flat, Bastard Cut with Handle, 10 Inch- 1 No.	
(k) File, Flat, Smooth Cut with Handle, 10 Inch- 1 No.	
(l) Brass Punch- 1 No.	
(m) Oil Can- 1 No.	
(n) Tool Box for above tools- 1 No.	
<p><u>2.0 HYDRAULIC SYSTEM FOR LOGGING OPERATION:</u></p> <p>The hydraulic system for logging operation shall be as per manufacture's design. However, the design shall ensure that the</p>	

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brakes of winch drum remain engaged until and unless the brakes are released. All hydraulic hoses shall be properly marked (at both the ends) for easy identification during maintenance/replacement.	
<u>3.0 MAKES & MODELS OF MAJOR COMPONENTS:</u> It shall be bidder's endeavor to offer the following items as per Makes indicated against each item (other suitable makes & models are however equally acceptable in case of operational and/or design requirements supplemented with proper justification).	
a. Hydraulic Pump & Motors: Rexroth / Parker / Eaton / Sauer Danfoss.	
b. Transfer Case (if any): Fabco / Volvo / Mercedes-Benz / Scania / MAN / Ashok Leyland / Tata / Mahindra / Eicher / Bharat Benz / Scania.	
c. Torque Hub (if any): Fairfield (In case of direct drive).	
d. Gear Box for Winch Operation (if any): Funk (In case of Chain Drive).	
e. Tyre Size (Truck): Front/Rear- 425/65 R22.5 or 315/80 R-22.5 or 295/75 R 22.5 or 11.00 R 22.5 or 295/80 R 22.5 or 14.00X20 or 12.00X20 of suitable Ply rating or as per OEM of the offered Truck.	

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f. Hoses to be used should be of Make: Parker/Gates/Eaton /Power Grip.	
<p>4.0 <u>MANUALS & CATALOGUES:</u></p> <p>The following Manuals & Catalogue in printed form in English Language shall be supplied along with the units in addition to supply of the same in compact disc (CD) / USB format. Supply of the manuals/catalogues only in compact disc (CD) / USB format is not acceptable. Similarly, all the manuals & catalogues shall contain only those components/systems that have been used in the units i.e. the same must be CUSTOM ILLUSTRATED MANUALS/CATALOGUES ONLY – not the generalized ones. COMMISSIONING OF THE UNIT SHALL NOT BE CONSIDERED AS COMPLETE UNTIL & UNLESS ALL THE PRINTED MANUALS/CATALOGUES ARE SUPPLIED.</p>	
a. 03(three) sets of printed Spare Parts Catalogue with Part Numbers and Workshop & Service Manual in English Language for all components/systems of the Truck chassis like Engine, Transmissions, PTOs, steering system, axles, brake, suspension, electrical & pneumatic systems etc. with complete schematics of electrical, pneumatic circuits.	
b. 03(three) sets of printed Spare Parts Catalogue with Part Numbers and Workshop & Service Manual in English Language for all components/systems of	

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the hydraulic systems for logging operation like hydraulic pumps, motors, winch drums, torque hub / gearbox of winch drums, spooler arm, electrical/electronic control system of hydraulic operations, control panel circuitry etc. complete with all pneumatic / hydraulic schematics (circuits) showing and labeling all components including hoses/pipes. Above shall be complete with functional logic explanation.	
c. Part wise vendor/ manufacturers' lists of major parts/components are to be provided along with the supply.	
5.0 SPARE PARTS: All spares in specified quantity as indicated in the Automobile Spare Parts List vide Para-7.0(A1) (Annexure-A1) below shall be supplied along with the units. Specific description, Quantity, UoM etc. of each and every item (spare) shall clearly be indicated in the bid.	
6.0 BID SUBMISSION & DOCUMENTATIONS: Bidder's response to all NIT stipulations should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model etc. Generalized response like - 'As per NIT Specifications/Technical Leaflet', 'Noted', 'and Accepted' or in any similar fashion is not encouraged.	
6.1 The following documents shall be	

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submitted along with the bid:	
a. Technical leaflets with detailed specifications, Make & Model of Truck chassis, Engine, Transmission, power take off (PTO) unit, transfer case (if any), axles, suspensions system etc. along with the technical bid.	
b. GA (General Arrangement) drawing of the complete unit along with the Truck, logging cabin & rear cabin and all major items/components showing the major dimensions of the complete unit along with the technical bid.	
c. Technical leaflets with detailed specification, Make & Model of all hydraulic pumps, motors, torque hub / gearbox of winch drums, brake mechanism of winch drums etc. along with the technical bid.	
d. The bidder(s) shall submit the power flow block diagram for both road drive & logging operation from Engine indicating the major components along with the technical bid.	
e. Specific description, Quantity, UoM etc. of each and every spare as detailed in the Spare Parts List provided in the NIT. These shall be considered for bid evaluation.[Ref. Para-7.0(A1) (Annexure-A1)].	
f. List of additional spares, if any, for 02(two) year maintenance as felt necessary but not covered in the Spare Parts List	

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provided in the NIT with Description, Quantity, UoM etc. (for future reference/procurement only, not for bid evaluation) . [Ref. Para-7.0 (A2)].	
g. A Checklist as per enclosed format as per Para- 8.0 (Annexure-A3) shall be furnished along with the technical bid.	
<p>6.2 The following documents are to be submitted along with the supply of each unit:</p> <p>The bidder shall categorically confirm the compliance of the same in the technical bid.</p>	
<p>a. Following documents etc. in the name of Oil India Limited, Duliajan, Assam-786602 required for registration of the unit with government transport authority in Assam in India shall be provided in original along with the supply:</p> <p>(i) Invoices.</p> <p>(ii) Sale Certificate, Pollution & Roadworthy Certificate in similar format of Form 21, 22 & 22A (sample copies enclosed) as per Motor Vehicle Act, 1988 and Central Motor Vehicle Rules, 1989 of India.</p> <p>(iii) Emission Norms Certificate.</p> <p>(iv) Necessary certification/documentation from appropriate authority regarding the Vehicle Tracking System (VTS) / <i>Global Positioning System (GPS)</i>.</p> <p>(v) Necessary certification/documentation from appropriate authority regarding the Speed Limiting Device (SLD).</p>	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
<p>b. Notwithstanding any clause mentioned elsewhere in the NIT, the Invoice shall be submitted in 02(two) parts separately as under for each complete unit:</p> <p>(i) Invoice for Truck chassis, Driver's cabin & logging cabin: It shall include the cost of the Truck chassis with Driver's cabin and cost of fabrication of the logging cabin only.</p> <p>(ii) Invoice for logging equipments: It shall include cost of all other equipment, draw works, hydraulic system, winch, tools, accessories, etc. subsequently fitted in the original Truck chassis and supplied separately as part of the unit.</p>	
<p>c. Type Approval Certification of the vehicle as per Motor Vehicle Act, 1988 & Central Motor Vehicle Rules, 1989 of India or Type Approval Certificate/COP of the vehicle as per Chapter-87 of ITC (HS), 2012, Schedule-1- Import Policy, Section: XVII of India as the case may be.</p> <p>Bidder to note that, in case of imported vehicle, Type Approval Certificate/COP for the complete vehicle shall be required for custom clearance of the units as per prevailing Indian import policy conditions/guidelines. In this regard, the bidder is requested to note the conditions given in Chapter-87 of ITC (HS), 2012, Schedule-1- Import Policy, Section: XVII of India. This Type Approval Certificate/COP should be obtained from international accredited agencies approved by Directorate General of Foreign Trade (DGFT), Ministry of Commerce & Industry,</p>	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
<p>New Delhi. The list of international accredited agencies approved for issuance of Type Approval Certificate/COP is available on DGFT website, under Policy Circular No. 26 (RE-2003)/2002-2007 dated 9.2.2004 pertaining "Type Approval Certificate issuing agencies under Policy Condition Number 7 and 9 of Chapter 87 of ITC (HS), 2012, which further amended vide Policy Circular No. 12 (RE-2013)/2009-2014 dated 15th January, 2014 issued by Ministry of Commerce & Industry, Department of Commerce, Director General of Foreign Trade, New Delhi. Bidders shall ensure adherence to any subsequent revisions to the above referred Policy Circulars that may be issued in future by DGFT.</p>	
<p>6.3 Temporary Registration (in the name of Oil India Limited, Duliajan, Assam-786602), Insurance as per Motor Vehicle Act, 1988 and Central Motor Vehicle Rules, 1989 of India, if applicable for body building purpose etc. shall be under the scope of the bidder.</p>	
<p>6.4 Permanent Registration &High Security Registration Plate (HSRP):</p> <p>On receipt of the vehicle(s) and documents required for permanent registration, Oil India Limited (OIL) shall apply for permanent registration of the vehicle(s) at the office of the local Government District Transport Office (DTO). The supplier shall suitably perform necessary formalities promptly required for issuance of High Security Registration Plate (HSRP) by the Original Equipment Manufacturers of</p>	

Tender Clause Description	Bidder's Response (Offered specification/ Make, Model /submitted/not submitted/ complied/not complied etc. as applicable) [(To be filled by the bidder and to be submitted along with the bid) (Additionally, reference of document name / serial number / page number of bid for documentary evidence, if any)]
<p>motor vehicle / dealer enabling the DTO to issue permanent Registration Certificate for the vehicle(s) as applicable in the state of Assam (India) as per government guidelines. The vehicle(s) supplied shall be considered complete on receipt of High Security Registration Plate (HSRP) from the supplier/ Original Equipment Manufacturers of motor vehicle /dealer and permanent Registration Certificate from the local Government District Transport Office (DTO) for the vehicle(s).</p>	
<p>6.5 The bidder/supplier shall ensure that, the vehicle manufacturer shall enter the vehicle details in the portal “VAHAN” of Ministry of Road Transport & Highways (MoRTH), Government of India in accordance with Form-20, Form-22, Form-22(A) etc. of Motor Vehicle Act, 1988 & Central Motors Vehicles Rules, 1989 of India prior to delivery of the vehicle. Bidder/supplier shall also ensure adherence to any subsequent revisions to the referred requirements that may be issued in future by Ministry of Road Transport & Highways (MoRTH), Government of India. The bidder shall categorically confirm compliance of the same in the technical bid.</p>	

APPENDIX-B-2 :: TECHNICAL EVALUATION CHECKLIST – LOGGING SECTION

Bidder need to furnish the checklist while submitting bid documents along with supportive documents. If anything is not captured in the checklist and is mentioned in the NIT, bidder needs to comply with all those clauses with supportive documents as mentioned in **SECTION- B**.

Tender No.			
Bidder's Name			
OIL NIT Clause No.	OIL NIT Clause Description	Bidder's Remarks (Complied / Not Complied / Deviation)	Relevant Page no. of the Bid to support Bidder's response
1.0 ELECTRICAL SYSTEM / EQUIPMENT:			
1.0 (i)	Adequate, stable electrical power generated by the truck's Hydraulic alternator (Marathon generator Magna Plus Model: 283PDL1766 or equivalent brand/model having minimum 20 kw capacity) for power requirement of the surface system, downhole tools, air-conditioners & all other electrical accessories in the logging unit. The hydraulic alternator of the truck is to be driven by a Power Take-off unit coupled to the truck transmission system.		
1.0 (ii)	The Alternator output voltage should be regulated within +/- 5 volt between no load and full load voltage.		
1.0 (iii)	Must be equipped with voltage and frequency monitor & control, over/under voltage and frequency protection.		
1.0 (iv)	The power generator must have automatic safety shut-down features.		

1.0 (v)	The electrical system must have a Power Distribution board inside logging cabin, with circuit breakers, power plant controls, and frequency, voltage and current meters.		
1.0 (vi)	A suitable power intake point is to be provided to feed power into the unit from external source. Flexible cable (Approx. 20 M in length) with suitable plugs for this purpose should be provided.		
1.0 (vii)	Electrical power outlets for internal accessories are to be provided		
1.0 (viii)	Exterior power outlets should be properly covered.		
1.0 (ix)	Color coded / Function coded truck electrical wiring and easily accessible for maintenance and service purposes must be provided. Entire wiring should be well documented.		
1.0 (x)	<p>A back up electrical power source of minimum 8 KW should be provided. Following backup power system should be provided with manual switchover connection.</p> <p>One Diesel Generator, low noise/silent (Preferably Cummins Onan Model 8HDKAU-41934R having 8KW capacity) mounted on the unit in addition to the main hydraulic alternator.</p>		
1.0 (xi)	There should be provision of toggle switch to toggle between the power sources (Hydraulic Alternator and Backup diesel Generator) instead of manually swapping out power cables.		
1.0 (xii)	There should be provision of starting the backup diesel generator remotely from the logging cabin.		
2.0 LOGGING CABIN / OPERATOR'S COMPARTMENT:			

2.0 (i)	Roll up tinted window shades is to be provided to minimize sunlight or external light glare through the windows.		
2.0 (ii)	Cabin roof should be suitably designed to drain out the rain water.		
2.0 (iii)	Logging cabin should be fitted with at least three (03) numbers roof mounted air conditioners, each of minimum 13500 btu.		
2.0 (iv)	Proper metallic cover should be provided to protect the air conditioners from external damage.		
2.0 (v)	Temperature and humidity indicator are to be provided inside the cabin.		
2.0 (vi)	Cabin pressurization system should be provided to pump filtered fresh air in to the logging cabin for preventing dust entry.		
2.0 (vii)	Three nos. of Swivel type chairs should be provided. One for the winch operator (movable and height adjustable) and two with rollers for the logging engineer. Additional sitting arrangement for at least two persons should be provided inside the cabin.		
2.0 (viii)	At least four nos. of drawers with locking arrangement to store manuals, multi meters and other materials.		
2.0 (ix)	Slip proof metallic floor with suitable washable carpet should be provided. Note: Aluminum floor, with a wood sub floor, with non-slip rubber coating on top of it, is also acceptable.		
2.0 (x)	Logging Engineer's console/ computer system should be located at 90 degree to the operator's winch panel.		
2.0 (xi)	A fire extinguisher at readily accessible location should be provided.		

2.0 (xii)	A first aid kit at readily accessible location should be provided.		
2.0 (xiii)	The operator's console should include line load display, electronic depth display, engine RPM meter, oil pressure meter, air pressure meter and hydraulic oil temperature meter and meters for any other required parameters related to winch and engine etc.		
2.0 (xiv)	The logging cabin should have provision of displaying various parameters such as generator voltage, frequency, power drawn from internal and external source etc.		
2.0 (xv)	110 V / 220 V AC along with 12V DC interior lights are to be provided.		
2.0 (xvi)	Apart from normal power outlets (110Vac, 50/60 Hz) provided inside the logging cabin minimum two numbers of power outlets (220Vac, 50/60 Hz, 5 Amps rated) to be given in the logging cabin with multi socket that accepts British plugs in addition to Euro, NEMA American and Australian plugs with ON/OFF switch.		
2.0 (xvii)	Suitable LED lights must to be installed at the drum area for proper illumination. Proper LED rig-lights (AC) of minimum 5000 Lumen each to be installed to illuminate the working area. Additionally, LED rig-lights (DC) of sufficient power should be installed immediately below the rear corner rig-lights operated directly from the truck battery. Both the lights at the rear exterior corners must have suitable metallic cover at sides to protect against impact.		
2.0 (xviii)	The rear corner LED rig lights should be mounted on a motorized platform controlled by remote to focus the light at		

	desired area of working.		
2.0 (xix)	Safety warning lights (red in log mode / green in safe mode) should be installed in the backside of the logging unit which should be visible from the catwalk while arming the perforating gun.		
2.0 (xx)	The logging unit's steel/aluminum welded construction materials should be properly painted to resist corrosion.		
2.0 (xxi)	The Panel Rack should be placed in such a manner that the electrical wires connected to the rear side of the panels are easily accessible for connection purpose.		
2.0 (xxii)	Apart from the things mentioned above, bidder may provide any other standard fittings inside the logging cabin.		
2.0(x xiii)	Gas detection with warning system (preferably buzzer) shall be provided inside the logging cabin/operators compartment.		
2.0(x xiv)	Non-sparking electrical switches shall be provided inside the logging cabin/operators compartment.		
Note	The Logging cabin must be designed to provide ample working and seating space.		
3.0 HYDRAULICS WINCH SYSTEM			
3.0 (i)	The unit should be equipped with Split Drums (with antirust / non-corrosive coating) to accommodate 5.55625 mm (7/32") OD and of 7.9375 mm (5/16") OD single conductor wireline non-spliced cables having at least 7000 meters in length.		
3.0 (ii)	The winch drum powered by the unit's hydraulic system should have speed ranges from 0.3 m/min or less to 150 m/min or more with fine speed control		

	even at maximum load condition.		
3.0 (iii)	A certificate should be provided confirming micro fractures / cracks free base mounting frame of the cable drums.		
3.0 (iv)	Operation of both the winch drums should be controlled by an electronic proportional joystick control mounted on the operator's control panel. The joystick should get locked when brought to neutral position.		
3.0 (v)	Electrically operated pneumatic or hydraulic brake along with mechanical hand brake for the winch to be provided in the logging cabin.		
3.0 (vi)	The logging unit winch drum must be capable to provide over-pulls up to 8,500 lbs during stuck conditions, the hydraulic system rating of the drums winch must be sufficient to withstand these over-pulls safely (well within system rating of the logging units).		
4.0 WIRELINE LOGGING CABLE:			
4.0	The installed cables in the logging unit should meet specifications as mentioned in the clause 4.0		
5.0 OVERHEAD SPOOLING AND DEPTH/TENSION MEASURING SYSTEM:			
5.0 (i)	The logging unit should have overhead cable spooling systems for 7.9375 mm (5/16") O.D. and 5.556 mm (7/32") mono conductor cable.		
5.0 (ii)	The overhead Spooling system must be strong, lightweight with height adjustment and side to side steering.		
5.0 (iii)	Metric depth measuring system (Make: Benchmark, Model: AM5K) with depth and tension measuring panel needs to be provided for depth measurement/recording having dual electronic encoders, a tension device		

	(Load Pin) and independent mechanical/electronic backup encoder. If separate accessories are required for using both the cables, that also needs to be provided. The backup depth display from the mechanical/electronic encoder is to be made available near the winch operator panel.		
5.0 (iv)	Line weight measuring system with a weight indicator to measure line tension of at least 15,000 lbs to be provided. It should have digital display for total and differential load. Weight measurements should have audio and screen alarms at operator's panel for increase / decrease of line load. The line weight measuring system should have provision for both load pin and rig floor load cell connected with the sheave wheel.		
1.0 ADDITIONAL LOGGING UNIT FEATURES:			
6.0 (i)	Built-in line oiler system for lubricating the cables with operating switches on the winch operator's control panel.		
6.0 (ii)	Grounding reel fitted with at least 50 meters cable with clamps for grounding during perforations and other allied wire line operations.		
6.0 (iii)	Reels necessary for intercom, top load cell etc., of at least 100m length to be provided.		
6.0 (iv)	Tool racks with suitable, independently working air bags for transportation of downhole tools must be provided. The air bags must be easy to access for replacement.		
6.0 (v)	Tool storage area installed under the floor of the drum area for the longest tool must be guided with roller support throughout the rack length and fitted with air bags for transportation.		

6.0 (vi)	The winch drums must be fitted with slip rings having ample protection from moisture, dust and rain. Both slips rings should be easily accessible for repair and maintenance work. Note: A single composite slip ring connected to both the cable drums is also acceptable.		
6.0 (vii)	A Switch must be provided to conveniently switch between both the cables inside the logging cabin.		
6.0 (viii)	Rear bumper should be fitted with a working vise and light weight folding step.		
6.0 (ix)	All the electrical wires running in the winch / draw works compartment must be concealed/in a conduit.		
6.0 (x)	Body to be painted to OIL's specification (with OIL logo). Logo / specification shall be provided by OIL after placement of order.		
6.0 (xi)	Safety / Warning Signs (pertaining to radioactive and explosive jobs) must be provided.		
7.0 STORAGE REQUIREMENT WITHIN THE LOGGING UNIT:			
7.0 (i)	Two separate compartments, one for carrying Explosive Shaped Charges and the other for carrying Electric Detonators should be provided. These two compartments should be separated by a distance of minimum 1.5 meters as per Indian Explosive Rules. The inside of these compartments should be paneled with good quality non-sparking material. These two individual compartments should be minimum 1.15 meters away from the electrical power sources and fuel tanks mounted in the Logging Truck. The minimum sizes of the compartments are as per clause 7.0(i) in the tender.		
7.0	Enough storage space should be provided to carry at least 6 nos. of TAG		

(ii)	guns. The length of these racks should be at least 6 meters each and should accommodate 5 inch OD gun/tool. Additional racks should be provided to transport at least 4 nos. (minimum 3 meters in length) of logging tools with diameter ranging from 1 11/16" to 4". In addition to this 2 small (at least 1.5 meters in length) racks should be provided for carrying CCL, MPD and other short length tools.		
7.0 (iii)	Fixed positions should be provided for transportation of one pair of sheave wheels which is required for logging operation.		
7.0 (iv)	Separate compartments to be provided for carrying hand tools / wrenches, rig up accessories and other logging related accessories. All compartments should have heavy duty locking / latching arrangement.		
7.0 (v)	A suitable mounting arrangement for the high pressure grease control head to be provided near the spooler. <u>Note:</u> please refer to the pressure control equipment section for length and OD of the high pressure grease control head.		
7.0 (vi)	The drum area flooring will be of aluminum tread plate material.		
7.0 (vii)	A roll up weather resistant cover must be installed over the drum area opening.		

8.0 SURFACE LOGGING SYSTEM

8.1	The log data acquisition and processing system should be a rack mounted PC based system, integrated collection of state-of-the-art hardware & software. It must be field proven, latest version logging system, capable of performing the logging & completion operations mentioned in the tender document as per clause 8.1(i) to 8.1(v)		
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8.2	The log data acquisition and processing system has a Shooting Panel with features as mentioned in the tender document clause 8.2(i) to 8.2(iii)		
8.3	LED displays should be used for depth and line speed monitoring for winch operator.		
8.4	The logging system should have mono-conductor out connection point so as to facilitate logging with the use of external panels. It is preferred that the connection point is an UHF female socket (SO-239) connector.		
9.0 LOGGING SYSTEM COMPUTER HARDWARE			
9.0	It must be a state-of-the-art PC based logging system. In addition to other standard fittings / accessories which are mounted in the logging cabin, the system includes at least all the features mentioned in the tender document as per clauses 9.0(i) to 9.0(xi).		
10.0 LOGGING SYSTEM SOFTWARE			
10.0 (i)	The data acquisition software must be latest version "WARRIOR" based. The system software should be based on latest version of windows based operating system. Perpetual license for supplied software should be provided.		
10.0 (ii)	Software must be in English language.		
10.0 (iii)	Detailed help on the complete system should be available.		
10.0 (iv)	The software must be capable of performing well completion and cased hole logging operations.		
10.0 (v)	The System must be able to export/import log data into API standard		

	LAS, LIS and ASCII format.		
10.0 (vi)	Oil India Limited's logo must be incorporated in all outputs.		
10.0 (vii)	The system software must include real time depth correction capability during logging.		
10.0 (viii)	The system software must display real-time corrected depth and line tension.		
10.0 (ix)	Utilities like splice, merge and edit of logs to be provided.		
10.0 (x)	It should be capable of logging both in meters and feet.		
10.0 (xi)	Virus protection Software must be provided in the system with backup in CD/DVD/Portable Drive.		
10.0 (xii)	Microsoft office professional version (complete package) should be installed in the system with perpetual license.		
10.0 (xiii)	Complete image of the system must be provided in CD/DVD/Portable Drive.		
10.0 (xiv)	The bidder should give an undertaking to update the software as and when updates are available for a period of 10 years from the date of commissioning of the unit at no cost to OIL.		
10.0 (xv)	Installer files of all software used in the system must be provided on CD / DVD's as back up.		
10.0 (xvi)	If any Lab Test and Diagnostic software is there, for the surface system and downhole tools, must be provided.		
10.0 (xvii)	Details of the software with price break up need to be provided.		
11.0 RIG-UPACCESSORIES			

11.0 (i)	Stray voltage monitor: One rig voltage monitor mounted inside the cabin, with 50 meters long leads and accessories to measure a minimum rig voltage of 0.20 Volt at well site.		
11.0 (ii)	Communication System: Two way communication system for communication from cabin to rig floor and vice versa.		
11.0 (iii)	The Logging unit should be fully equipped with rig up and other standard accessories for straightaway commissioning of the unit. Detailed list along with price break up for each item is to be provided. However, certain operationally vital items with quantity as mentioned in the table below are to be included and confirmed in the offer.		
11.0 (iv)	Rig-up/operational accessories are to be provided as per the table mentioned in the clause no. 11.0(iv)		
NOTE	In addition to the items in the above list, the bidder must quote for any other item(s), if required, for straightaway commissioning of the unit. During equipment commissioning, if it is found that certain items are required but not quoted by the bidder, then the bidder must provide the same free of charge to OIL. OIL at its discretion may increase or decrease the quantity of items mentioned in the above list.		
12.0 TECHNICAL MANUALS AND DOCUMENTATION			
12.0	Technical manuals and documentations mentioned are to be supplied as per Tender clause 12.1 to 12.2.		
13.0 LOGGING TOOLS AND ACCESSORIES			

13.0	<p>All the down hole logging tools as mentioned below should be rated for minimum 104 MPA (15,000 PSI) pressure and 149 °C (300 °F) temperature. Temperature rating should be for a minimum of one-hour continuous exposure in the well bore. The tools and cable head should have thread size 1 3/16" - 12 N - 2 ("GO" connection). All supplied tools must be corrosion resistant.</p> <p>Note: Bidder must provide equivalent 20 nos. cross-overs and 20 nos. servicing kit in case thread types used in tools are different from the type listed above (1-3/16"-12N-2 "GO" connection).</p>		
13.1	Casing Collar Locator (CCL) to be provided as per tender requirement in clause 13.1.		
13.2	Shooting GR/CCL to be provided as per tender requirement in clause 13.2.		
13.3	Plug/Packer setting tool and Junk catcher to be provided as per tender requirement in clause 13.3.		
13.4	Sinker Bar to be provided as per clause 13.4		
13.5	Multi Finger Imaging Tool (MIT) or equivalent to be provided as per the clause 13.5		
13.6	Slim Hole Segmented or Radial Cement Bond tool to be provided as per clause 13.6		
13.7	Hydraulic Wireline Jars to be provided as per clause 13.7		
13.8	Cement Dump Bailers to be provided as per clause 13.8		
13.9	Skid Mounted Pressure Control Equipment to be provided as per clause 13.9		
14.0 BOWEN 150 SERIES CASED HOLE FISHING EQUIPMENT			

14.0	Bowen 150 series Cased Hole Fishing equipment to be provided as per clause 14.0 (i to viii).		
15.0 SPARES PARTS AND CONSUMABLES			
15.0	<u>SPARE PARTS AND CONSUMABLES:</u> Bidder must quote spares and consumables with individual price break-up per tender requirement. Spares and Consumables are to be quoted as per clauses 15.1 through 15.6 of the tender document.		
16.0 RECOMMENDED SPARES LIST			
16.0	Recommended Spare List to be provided as per clause 16.0		
17.0 STANDARD PRICE LIST			
17.0	Standard price list is to be provided as per clause 17.0		
18.0 PAST PERFORMANCE			
18.0	Past performance as mentioned in clause 18.0		
19.0	The bidder must confirm in writing along with their bid that they possess all standard testing & calibration facilities at their manufacturing Base / Testing centre, including pressure / temperature testing etc., for all the tools offered by them against this tender.		
20.0	The logging trucks, tools and accessories offered against this bid must be latest and state-of-the art in the Industry with capability of trouble free data recording and seamless data transferring up to well depth of at least 6500 meters and must have been field proven for at least 1 year prior to bid closing date.		

21.0	The bidder should also have proper R & D facilities for development and upgradation of their equipment.		
22.0 DEVIATIONS FROM TECHNICAL SPECIFICATIONS			
22.0	The bidder must quote as per the tender requirement only and provide full information wherever applicable in the bid. After opening of the bids, in case any technical clarification is required on any bid, OIL will seek clarification from that bidder and the bidder will have to reply/clarify with complete details within the specified time mentioned by OIL. If not complied, that particular bid may not be considered for further evaluation. The bidder must respond to each and every clause in the NIT in a tabular form as per APPENDIX – B1.		
23.0 UNPRICED BID			
23.0	Bidder must submit an un-priced bid along with technical bid by omitting the price from the invoices for technical evaluation of the bid.		
SEC-C	Training and Inspection is to be quoted as per tender document (section – C, clause nos. 1.1 & 1.2)		
SEC-D 1.0	Installation and commissioning is to be quoted as per tender document (section – D, clause nos. 1.0)		
SEC-D 2.0	<u>LIQUIDATED DAMAGE:</u> Liquidated Damage will be levied for any failure on the part of the supplier in completion of installation and commissioning @ 0.5% per full week or part thereof to a maximum of 10% of the value of the installation and commissioning. Moreover, if the successful bidder fails to commission the entire equipment within 01 (one)		

	year from the date of intimation from OIL after arrival of the equipment at Duliajan, OIL will invoke performance security.		
SEC-D 3.1	<p><u>WARRANTY:</u></p> <p>Oil India Limited (OIL) reserves the right to inspect, test and wherever necessary, reject the goods after arrival of the goods at site, only if the said rejection is attributed to be the responsibility of the Bidder. It shall, in no way be limited or waived by reason of the goods being previously inspected, tested and passed by OIL or its representatives prior to the goods shipment from the country of origin.</p>		
SEC-D 3.2	<p>Materials supplied as per the Purchase Order should be under warranty by the suppliers for a minimum period of 01 (one) year from the date of successful completion of installation and commissioning of the entire equipment at site. Any item / sub item failed during the above mentioned warranty period is to be replaced / repaired within 03 (three) months from the date of notification of such failure. The warranty of the repaired / replaced items shall be correspondingly extended by a period equal to that from the date of failure to the date of commissioning of the replaced/repaired item. In order to keep the equipment fully operational, all spares and accessories required during the warranty period is to be arranged at site by the suppliers or their authorized representatives, within 03 (three) months, at their cost (including Customs Clearance etc.)</p>		

APPENDIX-B-3 :: TECHNICAL EVALUATION CHECKLIST - BEC/BRC CHECKLIST SECTION-E

Bidder to submit the duly filled and signed copy of BEC/BRC checklist.

<u>BRC CHECK LIST</u>			
	<u>Tender No.</u>		
	<u>Bidder's Name</u>		
Sl. no.	BEC /BRC Clause Description	Bidder's Response (complied/ not-complied)	Relevant Page no. of the Bid document to support Bidder's response
(A)	<u>TECHNICAL:</u>		
	A1. BIDDER'S ELIGIBILITY		
1.0	<p>The Bidder should either be the Original Equipment Manufacturer (OEM) of the offered Cased Hole Wireline Logging Units.</p> <p style="text-align: center;">OR</p> <p>The offered Cased Hole Wireline Logging Units are manufactured by the Bidder's Parent/Subsidiary/Co-subsidiary of any tier of same group company (any such relationship should be on 100% basis).</p> <p>Note: Bidder must identify their status in the Technical Bid whether they are the OEM of offered Cased Hole Logging Units or Bidding as a Parent/ subsidiary /co-subsidiary of the OEM.</p>		
2.0	<p>The Original Equipment Manufacturer (OEM) of the offered Cased Hole Logging Units must satisfy the following criteria, irrespective of whether the Bidder himself is the OEM of the offered Cased Hole logging Units or not:</p>		
	<p>a) Should have minimum 05 (Five) years of experience in manufacturing Cased Hole Wireline Logging Units as on the original Bid Closing Date of the Tender.</p>		
	<p>b) Should have manufactured and sold minimum 05 (Five) numbers of Cased Hole Wireline Logging Units to various companies which are in the business of "Exploration & Production of hydrocarbons" and/or "Oil Field Service Providers" during the last 05 (Five) years as on the original Bid Closing Date of the Tender.</p>		

	c)	The 05 (five) numbers of Cased Hole Logging Units as mentioned in sub-para (b) above, must have been sold/supplied directly by the OEM themselves or through their Parent/Subsidiary/Co-subsidiary to the clients/purchasers based in at least 02 (Two) different countries.		
3.0	Along with the Technical Bid, the Bidder must submit following documentary evidences in support of the credentials of the OEM of offered Cased Hole Logging Unit pursuant to clause No. 2.0 (a), (b) & (c) above.			
	a)	Photo Copies of the contracts/purchase orders awarded by Clients together with the corresponding dispatch/delivery documents (viz; Invoices/Bill of Lading/Consignment Note etc.) and Successful Commissioning Report of the supplied units.		
	b)	In addition to above, the Bidder must submit certificates/documents from minimum two (2) of their clients certifying that the Cased Hole Logging Units sold to them by the Bidder/OEM is/are functioning to their satisfaction. In lieu of such certificates from Clients, Undertaking from the CEO/Company Secretary of the bidding Company to the effect that his/her Company has executed/completed such Orders/Contracts for Cased Hole logging Units complete with necessary tools are performing to the best satisfaction of Customers/Clients.		
	In case the Bidder is not the OEM of the offered Cased Hole Logging Unit, but submitted their bid as the Parent/Subsidiary/Co-subsidiary of the same group company of OEM (on 100% basis), they must submit the following documents along with their Technical Bid, failing which their bid shall be considered as incomplete and rejected.			
4.0	a)	Documentary evidences regarding existence of such relationship between the Bidder and the OEM of the offered Cased Hole Logging Unit.		
	b)	Authorization Letter/Certificate from the manufacturer (OEM) on their official letter head duly authorizing the Bidder to quote and sell their products & services (installation, commissioning, training,		

		upgradation & troubleshooting etc.).		
	c)	Back-up warranty letter from the concerned OEM for guaranteed supply and satisfactory performance of their Cased Hole Logging Unit in the event of an order by OIL on the Bidder against the Tender.		
A2: BIDDER’S EXPERIENCE AS A SERVICE PROVIDER:				
1.0	The Bidder or its Parent/Subsidiary/Co-subsubsidiary of any tier of same group company (such relationship should be on 100% basis) must have experience of providing Wireline Logging Services for minimum of 2 (two) years to E&P companies at least in two (2) different countries other than its own country of origin during the last 5 (five) years preceding the original bid closing date of this tender.			
	In support of service experience as per clause No. 1.0 above, Bidder must submit documentary evidences in the form of relevant contracts/agreement copies evidencing the Scope of Work along with any one of the following documents:			
2.0	a)	Satisfactory completion/Performance Reports issued by Clients.		
	b)	Proof of release of Performance Security after completion of contracts.		
	c)	Proof of settlement/release of final payment against the contracts.		
	d)	Documentary evidences in the form of initial and final signed job tickets/service tickets against each such contracts/agreements.		
	e)	Any other documents which can substantially prove the service experience criteria as per clause No. 1.0 above.		
3.0	As on the bid closing date of this Tender, the bidder must have its base in India with capability to provide immediate support / solutions to the Logging Units / Tools, if required by OIL.			
A.3 THE LOGGING UNIT:				
1.0	The offered Logging Unit should be 6X4 Drive, rear axle drive.			
2.0	Offers of Left-Hand driven (Steering on Left Hand Side inside the driver’s cabin when viewed from rear of the Truck) Logging Truck will be rejected.			
3.0	Offers other than diesel fuel driven Logging Trucks will be rejected.			
4.0	Bids with qualifying conditions like “the product			

	is under development and would be supplied by the time etc.," will be summarily rejected.		
5.0	Wherever two or more sets of the same equipment/item are required, the bidders must quote all the sets of the same item that are identical in all respects i.e. the same category of equipments must be of same make, model and compatible in all respects. The bidder must quote accordingly as mentioned in this clause.		
	A.4 LOGGING SYSTEM:		
1.0	The offered logging system must be capable of performing the cased hole logging operations and services with the type of tools including production logging, well completion operations and perforations as described in the Tender document. Bidder must confirm compliance on this point in its bid.		
2.0	All the downhole logging tools mentioned in this tender and offered by the bidder should be rated for minimum 104MPA (15000 psi) and 177 degree C (350 degree F) temperature. Temperature rating should be for a minimum of one hour continuous exposure in well bore.		
3.0	The Bidder must submit a written commitment to supply spares & consumables on chargeable basis to OIL for a period of 10 (ten) years from the date of original Bid Closing of this Tender. In the event, any part becomes unavailable due to a vendor goes out of business or for some other reasons, the Bidder shall determine and supply a suitable replacement on chargeable basis to OIL.		
4.0	The Bidder must offer free updates/up-grades of the Software for a minimum period of 10 (ten) years from the date of original bid closing of this tender.		
5.0	The Bidder must categorically confirm in their technical bid that in the event of an order, they will carry out installation & commissioning of their entire supplied system including the Logging Unit with all tools at Duliajan, Assam, India as per provision of the Tender. Any Bidder not offering installation & commissioning of their offered system shall be as non-responsive and rejected.		
6.0	The Bidder must offer at least 01 (one) year Warranty period for the entire equipment to be supplied by them from the date of completion of successful field commissioning. Any item/sub-item failed during the warranty period shall be		

	replaced/repaired free of cost within 03 (three) months and warranty of such item(s) shall be extended accordingly.		
7.0	Bidder must offer for Training and Inspection as detailed in the SECTION-C of this Tender document.		
	A.5 DELIVERY:		
1.0	Delivery shall be essence of the contract/PO. Delivery required against this tender is maximum 12 (Twelve) months from the date of opening of LC in case order is placed on the foreign supplier OR within 12 (twelve) months from the date of receipt of detailed order in case the order is placed on indigenous supplier. Date of clean Bill of Lading (B/L in case of foreign supplier) or the date of Consignment Note (C/Note date in case of indigenous supplier) shall be considered as the date of delivery.		
2.0	Bidder must comply with the above schedule and confirm in their Techno-Commercial bid. Bids not meeting time schedule as mentioned in the tender shall be summarily rejected.		
3.0	In the event of the Seller's default in maintaining the agreed delivery schedule, seller shall be liable to pay liquidated damages @ 0.5% per week or part thereof of the material value of the order subject to a maximum of 7.5%. Liquidated damages amount, if any, shall be adjusted/deducted while processing the balance payment which is payable after commissioning.		
	GENERAL NOTE: Bidder must confirm their response to each & every aforementioned BRC (Technical) clauses as per check-list provided in this tender document vide APPENDIX-B3 . The check-list should be duly filled in by the Bidder and upload as part of their Technical Bid to minimize post-tender clarifications and to avoid rejection of their offer.		
	D. BID EVALUATION CRITERIA:		
	The bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria shall be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid		

	Evaluation Criteria given below:		
	All materials as indicated in the material description of the tender should be offered. If any of the items are not offered by the bidder, the offer will not be considered for evaluation.		
D.1	<u>1.</u> <u>0</u> i. Cost of spares, consumables, accessories, panels, critical items, PCBs etc. as mentioned in clause 15.0 of SECTION - B will be considered for Bid evaluation.		
	ii. Perishable consumables like paper, film, Radioactive items etc., are to be Air Freight up to Hyderabad /Bangalore/ Mumbai /Chennai, India and accordingly air freighted charges for these items shall be considered for evaluation.		
	iii. Bid evaluation will be done only for those bids which offer full quantities of goods as mentioned in the SECTION - A through SECTION - D.		
	<u>2.</u> <u>0</u> Bidder's response to all NIT technical specifications should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. as sought in the tender. Generalized response like - 'As per NIT Specifications/Technical Leaflet', 'Noted', 'Accepted' or 'in any similar fashion' is not considered for evaluation of technical specification.		

APPENDIX- B4 :: PAST SUPPLY RECORD

Bidder's past supply record as mentioned in the BRC/BEC clauses

Sl. No.	Client/Customer Name and Address with contact, e-mail id	Order No/ Contract No.	Date of order	Cased Hole Logging Unit Specification (Make, Model) & Quantity supplied	Completion Date	Reference of Supporting document enclosed

APPENDIX- B5 :: INVOICE PROFORMA

Detailed price break up for all the sections (A, B, C & D) as mentioned in the respective clauses.

Sl. No.	Section Clause	Items quoted	Part No.	Quantity (A)	Per Item Cost (B)	Total price of the item (A* B)
1.	SECTION - A	TRUCK CHASSIS & DRIVER'S CABIN + COST OF FABRICATION OF THE LOGGING CABIN OF UNIT	Part nos. of quoted items	As per tender document		
2.	SECTION - B	LOGGING UNIT, TOOLS, ACCESSORIES, SPARES AND CONSUMABLES.	Part nos. of quoted items	As per tender document		
3.	SECTION - C	TRAINING AND INSPECTION CHARGES	Part nos. of quoted items	As per tender document		
4.	SECTION - D	INSTALLATION AND COMMISSIONING	Part nos. of quoted items	As per tender document		

APPENDIX- B6 :: PRICE BID FORMAT

Price bid format is provided in Section-E -BEC/BRC. Bidders to quote their price as per the format and upload accordingly under “Notes & Attachments” tab. No price shall be declared under technical bid.

Annexure-E-IV – UNDERTAKING ON GROUND OF DEFENCE

Format for Undertaking by Bidders towards compliance of office memorandum F.
No. 6/18/2019-PPD dated 23rd July, 2020 (Public Procurement no. 1) issued by
Department of Expenditure, Ministry of Finance, Govt. of India
(To be typed on the letter head of the bidder)

Ref. No. _____

Date _____

Tender No. _____

Dated _____

OIL INDIA LIMITED

.....

.....

Dear Sirs,

“We have read the clause regarding restrictions on procurement from a bidder or a country which shares a land border with India; We certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. We hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where evidence of valid registration by the Competent Authority shall be attached.]”

We also agree that, during any stage of the tender/contract agreement, in case the above information/documents submitted by us are found to be false, Oil India Limited has the right to immediately reject our bid/terminate contract at any stage and carry out further legal action on us in accordance with law.

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)

Note : This form should be returned along with offer duly signed.

Annexure-E-V BID SECURING DECLARATION

BID SECURING DECLARATION

To,
OIL INDIA LIMITED
P. O. - DULIAJAN - 786 602
ASSAM, INDIA

Whereas (herein after
called 'the
Bidder') has submitted their Bid No. dated..... against
OIL INDIA LIMITED, DULIAJAN, ASSAM, INDIA (hereinafter called the Purchaser)'s
tender No..... for the supply of
.....
(hereinafter
called 'the Bid') KNOW ALL MEN by these presents that if I/We withdraw or modify our
Bid during the period of validity, or if I/We are awarded the contract and I/We fail
to sign the contract, or to submit a performance security before the deadline defined in
the NIT
/ Purchase Order, then I/We shall be suspended for the period of two (2) years. This
suspension of two years shall be automatic without conducting any enquiry.

Signature & Seal of the Bidder

Annexure-E-VI FORM 10F

[See sub-rule (1) of rule 21AB]

Information to be provided under sub-section (5) of section 90 or sub-section (5) of section 90A of the Income-tax Act, 1961

I, *son/daughter of Shri..... in the capacity of..... (designation) do provide the following information, relevant to the previous year.....
*in my case/in the case of for the purposes of sub-section (5) of *section 90/section 90A:—

Sl. No.	Nature of information	:	Details #
(i)	Status (individual, company, firm etc.) of the assessee	:	
(ii)	Permanent Account Number or Aadhaar Number of the assessee if allotted	:	
(iii)	Nationality (in the case of an individual) or Country or specified territory of incorporation or registration (in the case of others)	:	
(iv)	Assessee's tax identification number in the country or specified territory of residence and if there is no such number, then, a unique number on the basis of which the person is identified by the Government of the country or the specified territory of which the assessee claims to be a resident	:	
(v)	Period for which the residential status as mentioned in the certificate referred to in sub-section (4) of section 90 or sub-section (4) of section 90A is applicable	:	
(vi)	Address of the assessee in the country or territory outside India during the period for which the certificate, mentioned in (v) above, is applicable	:	

2. I have obtained a certificate referred to in sub-section (4) of section 90 or sub-section (4) of section 90A from the Government of
(name of country or specified territory outside India)

Signature:

Name:

Address:

Permanent Account Number or Aadhaar Number
.....

Verification

I do hereby declare that to the best of my knowledge and belief what is stated above is correct, complete and is truly stated.

Verified today the day of.....

.....
.....
Signature of the person providing the information

Place:

Notes :

1. *Delete whichever is not applicable.
2. #Write N.A. if the relevant information forms part of the certificate referred to in sub-section (4) of section 90 or sub-section (4) of section 90A.

Annexure-E-VII No Business Connection or Permanent Establishment Certificate

(On the official Letter Head of the Bidder)

To

Date:_____

Oil India Limited
Duliajan, Assam
India - 786602

Sir,

Sub: No Business Connection or Permanent Establishment declaration for FY.....

This is to certify that.....(Name of the bidder/contractor) is a company incorporated in(country). We are resident of(country) and the services have been rendered in(country). We do not have any business connection in India as per the provision of Section 9 of the Indian Income Tax Act 1961 or any Permanent Establishment as defined in Article 5 of the India and.....(country) DTAA.

We hereby certify that we will notify OIL in case of any change in the status as certified above.

We also affirm that we shall hold you indemnified, if in future, anything is found contrary to the above and your company faces any issues or demand under Indian Income Tax Act due to any wrong or misstatement by us.

For

Authorised Signatory

(Note – Please refer definition of the Business Connection and Permanent Establishment in the relevant DTAA)

Definition of Business Connection

"Business connection" as defined in Section 9 of the Income Tax Act shall include any business activity carried out through a person who, acting on behalf of the non-resident,—

- (a) Has and habitually exercises in India, an authority to conclude contracts on behalf of the non-resident, unless his activities are limited to the purchase of goods or merchandise for the non-resident; or*
- (b) Has no such authority, but habitually maintains in India a stock of goods or merchandise from which he regularly delivers goods or merchandise on behalf of the non-resident; or*
- (c) Habitually secures orders in India, mainly or wholly for the non-resident or for that non-resident and other non-residents controlling, controlled by, or subject to the same common control, as that non-resident:*

Provided that such business connection shall not include any business activity carried out through a broker, general commission agent or any other agent having an independent status, if such broker, general commission agent or any other agent having an independent status is acting in the ordinary course of his business:

Provided further that where such broker, general commission agent or any other agent works mainly or wholly on behalf of a non-resident(hereafter in this proviso referred to as the principal non -resident) or on behalf of such non-resident and other non-residents which are controlled by the principal non- resident or have a controlling interest in the principal non-resident or are subject to the same common control as the principal non-resident, he shall not be deemed to be a broker, general commission agent or an agent of an independent status.

ANNEXURE-E VIII PP-LC POLICY

POLICY TO PROVIDE PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT) (PP -LC) IN ALL PUBLIC SECTOR UNDERTAKINGS UNDER MINISTRY OF PETROLEUM AND NATURAL GAS- AMENDED

1. Preamble

- 1.1. In tune with Make in India (MII) campaign in oil and gas sector, the Government has decided to incentivise the growth in local content in goods and services while implementing oil and gas projects in India, and
- 1.2. Whereas the Public procurement policy rests upon the core principles of competitiveness, adhering to sound procurement practices and execution of orders for supply of goods or services in accordance with a system which is fair, equitable, transparent, competitive and cost effective, and
- 1.3. Whereas, the local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them etc.
- 1.4. Whereas incentivising enhanced local content in the procurement of goods and/or services in oil and gas business activities would lead to increased local industry content;
- 1.5. Therefore, the Ministry of Petroleum and Natural Gas (MoPNG) has decided to stipulate the following policy for providing Purchase Preference to the manufacturers/service providers having the capability of meeting/ exceeding the local content targets in oil and gas business activities;
- 1.6. This policy considers the Local Content (LC) as the added value brought to India through the activities of the oil and gas industry. This may be measured (by project, affiliate, and/or country aggregate) and undertaken through Workforce development and investments in supplier development through developing and procuring supplies and services locally.

2. Definitions

- 2.1. **Oil and Gas Business Activity** shall comprise of Upstream, Midstream and Downstream business activities.
- 2.2. **Domestic products** shall be goods and/or service (including design and engineering), produced by companies, investing and producing in India.

- 2.3. **Local Content** hereinafter abbreviated to LC means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- 2.4. **Domestic Manufacturer** shall be business entity or individual having business activity established under Indian law and producing products domestically.
- 2.5. **Supplier of goods and/or provider of service** shall be a business entity having capability of providing goods and/or service in accordance with the business line and qualification thereof and classified as under:
- 'Class-I local supplier'** means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50% as defined under this Policy.
- 'Class-II local supplier'** means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Policy.
- 'Non-local supplier'** means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under this Policy.
- 2.6. **Steering Committee** means the committee to be constituted by MoPNG to provide effective guidance and to oversee the implementation of the Policy on a regular and continuing basis.
- 2.7. **Verification** shall be an activity to verify the accomplishment of LC by domestic manufacturers and/or suppliers of goods and/or providers of service with the data obtained or collected from respective business activities.
- 2.8. **Purchase preference:** Where the quoted price is within the margin of purchase preference of the lowest price, other things being equal, purchase preference may be granted to the bidder concerned, at the lowest valid price bid.
- 2.9. **Local Content (LC)** in Goods shall be the use of raw materials, design and engineering towards manufacturing, fabrication and finishing of work carried out within the country.
- 2.10. **Local Content (LC)** in Services shall be the use of services up to the final delivery by utilizing manpower (including specialist), working appliance (including software) and supporting facilities carried out within in the country.

- 2.11. **Local Content (LC)** in EPC contracts shall be the use of materials, design and engineering comprising of manufacturing, fabrication, assembly and finishing as well as the use of services by utilizing manpower (including specialist), working appliance (including software) and supporting facility up to the final delivery, carried out within the country.
- 2.12. **Factory overhead cost** shall be indirect costs of manpower, machine/working appliance/facility and the whole other fabrication costs needed to produce a unit of product with the cost not chargeable directly to specified product.
- 2.13. **Company overhead cost** shall be costs related to the marketing, administration and general affairs cost of the company.
- 2.14. **Indian Company** means a company formed and registered under the Companies Act, 2013.
- 2.15. **Foreign company** means any company or body corporate incorporated outside India which- (a) has a place of business in India whether by itself or through an agent, physically or through electronic mode; and (b) conducts any business activity in India in any other manner.

3. Scope

- 3.1. The regulation shall be intended to:
- 3.1.1. Support and boost the growth of domestic manufacturing sector so as to be able to support oil and natural gas business activities and contribute added value to economy, absorb manpower as well as have national, regional and international competitiveness;
- 3.1.2. Support and boost the growth of innovation/technology of domestic manufacturing sector.
- 3.2. This policy shall apply to all the Public Sector Undertakings and their wholly owned subsidiaries under the Ministry of Petroleum and Natural Gas; Joint Ventures that have 51 % or more equity by one or more Public Sector Undertakings under the Ministry of Petroleum and Natural Gas; attached and subordinate offices of MoPNG.
- 3.3. This policy shall not include goods/services falling under Micro Small and Medium Enterprises (MSME) or Domestically Manufactured Electronic Products (DMEP), as those products/ services are already covered under specific policy. However, an option would be given in the tender for the bidder to declare preference for seeking benefit under PP-LC/MSME or DMEP.

- 3.4. The policy is not applicable for HP-HT operations for the time being. The Charter Hiring of offshore vessels shall continue to be governed by DG, Shipping Guidelines. Indian Flag Vessels shall be considered as having 100% LC.
- 3.5. The prescribed local content in the Policy shall be applicable on the date of Notice inviting Tender.

4. Procurement

- 4.1. The procuring companies shall follow their own procurement procedures. Aggregation of annual requirements and such other procurement practices, which facilitate the implementation of this policy, may be adopted by procuring companies.
- 4.2. In respect of Global Tender Enquiry (GTE) the guidelines as issued by Government of India from time to time shall be applicable on the procuring entities.
- 4.3. **Margin of Purchase preference:** The margin of purchase preference shall be 20%.
- 4.4. (a) In respect of all goods, services or works in respect of which the Nodal Ministry/ Department under DPIIT's Public Procurement (Preference to Make in India) Order, 2017 has communicated that there is sufficient local capacity and local competition, only Class-I local supplier shall be eligible to bid irrespective of purchase value.
- (b) For all other local tenders, Class-I local supplier and Class-II local supplier shall be eligible to bid irrespective of purchase value, but preference to be given as per PP-LC to the Class-I local supplier.
- (c) Only Class-I local supplier and Class-I I local supplier, as defined under the Order, shall be eligible to bid in procurements undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiries, Non-local suppliers shall also be eligible to bid along with Class-I local suppliers and Class-II local suppliers.
- (d) Class-II local supplier will not get purchase preference in any procurement, undertaken by procuring entities.
- 4.5. In National Competitive Bid procurements of all items not covered by para 4.4 (a) and where the estimated value to be procured i.e. total value of enquiry/ tender, is less than Rs. 1 Crore shall be exempt from this Policy. In case of International Competitive Bids, the policy shall be applicable irrespective of the tender estimate. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Policy.

- 4.6. The producers of goods and/or providers of services shall be obliged to fulfil the requirements of quality and delivery time in accordance with the provisions of the respective contracts of goods and services.
- 4.7. If the Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/or other items relating to the Ministry.
- 4.8. For the purpose of para 4.7 above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or (ii) a majority of its shareholding or effective control of the entity is exercised from that country, or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meets any of these tests with respect to India.

5. Purchase Preference- Linked with Local Content (LC)

- 5.1. In procurement of all items not covered by para 4.4 (a), the following provisions may be considered for LC linked Purchase Preference:

5.1.1. The manufacturers/service providers having the capability of meeting/ exceeding the local content targets shall be eligible for purchase preference under the policy, i.e. LC manufacturers/ LC service providers respectively as described below.

5.1.2. Wherever the goods/services are procured under this policy, eligible (techno commercially qualified) Class I Local supplier may be granted a purchase preference where the quoted price is within the margin of purchase preference of the lowest price, other things being equal, purchase preference may be granted to the eligible (techno-commercially qualified) Class I Local supplier concerned, at the lowest valid price bid.

5.1.3. **Goods:** The tender for procuring goods would specify that the contract for 50% of the procured quantity would be awarded to the lowest techno-commercially qualified Class I Local supplier, subject to matching with L1, if such bidders are available. The remaining will be awarded to L1.

5.1.3.1. However, if L1 bidder happens to be a Class-I Local supplier, the entire procurement value shall be awarded to such bidder;

5.1.3.2. If in the opinion of the procuring company, the tenders (procured quantity) cannot be divided in the prescribed ratio of

50:50, then they shall have the right to award contract to the eligible Class-I Local supplier for quantity not less than 50%, as may be divisible.

5.1.3.3. In continuation to 5.1.3.2 above, if the tendered item is non divisible, (to be included in the tender document by procuring company) the contract can be awarded to the eligible Class-I Local supplier for the entire quantity.

5.1.4. **Services/ EPC Contracts:** The tender for oil and gas services/ EPC contracts shall not normally be split. For such procurement the tender would specify that the entire contract would be awarded to the lowest techno-commercially qualified Class I Local supplier, subject to matching with L1, if such bidders are available. However, tender for certain oil & gas services can normally be split, in such cases, splitting shall be allowed and specified in tender document. Such services shall follow the procedure outlined for goods as described in para 5.1.3. The procuring company should clearly specify in the tender document whether the tender shall be split or not.

5.1.5. For para 5.1.3 and 5.1.4 above, only those LC manufacturers/ service providers whose bids are within the margin of purchase preference would be allowed an opportunity to match L1 bid.

5.1.6. The tender conditions would ensure that local content in oil & gas products is encouraged. However, the procuring company may incorporate such stipulations as may be considered necessary to satisfy themselves of the production capability and product quality of the manufacturer.

5.1.7. The procedure for award under the policy is at
Enclosure - I.

6. Determination of LC

6.1. LC of goods

6.1.1. LC of goods shall be computed on the basis of the cost of domestic components in goods, compared to the whole cost of product.

6.1.2. The criteria for determination of the local content cost in the goods shall be as follows:

- a) in the case of direct component (material), based on country of origin;
- b) in the case of manpower, based on INR component.

6.1.3. The calculation of LC of the combination of several kinds of goods shall be based on the ratio of the sum of the multiplication of LC of each of the goods with the acquisition price of each goods to the acquisition price of the combination of goods.

6.2. LC of service

6.2.1. LC of Service shall be calculated on the basis of the ratio of service cost of domestic component in service to the total cost of service.

6.2.2. The total cost of service shall be constituted of the cost spent for rendering of service, covering:

- a) cost of component (material) which is used;
- b) manpower and consultant cost; cost of working equipment/ facility; and
- c) general service cost.

6.2.3. The criteria for determination of cost of local content in the service shall be as follows:

- (a) in the case of material being used to help the provision of service, based on country of origin;
- (b) in the case of manpower and consultant based on INR component of the services contract;
- (c) in the case of working equipment/facility, based on country of origin; and
- (d) in the case of general service cost, based on the criteria as mentioned in clauses a, b, and c above.
- (e) Indian flag vessels in operation as on date.

6.3. LC of the EPC Contracts:

6.3.1. LC of EPC contracts shall be the ratio of the whole cost of domestic components in the combination of goods and services to the whole combined cost of goods and services.

6.3.2. The whole combined cost of goods and services shall be the cost spent to produce the combination of goods and services, which is incurred on work site. LC of the combination of goods and services shall be counted in every activity of the combination work of goods and services.

6.3.3. The spent cost as mentioned in paragraph 6.3.2 shall include production cost in the calculation of LC of goods as mentioned in clause 6.1.1 and service cost in the calculation of LC of services as mentioned in clause 6.2.2.

6.4. Calculation of LC and Reporting

LC shall be calculated on the basis of verifiable data. In the case of data used in the calculation of LC being not verifiable, the value of LC of the said component shall be treated as nil.

7. Certification and Verification

7.1. Class I/Class II Local suppliers are eligible to bid only if they meet the local content norms, therefore whether or not they want to avail PP-LC benefit, it will still be mandatory for them to give adequate documentation as follows to establish their status as class-I or class-II local supplier:

7.1.2. At bidding stage:

(a) Price Break-up:

- The bidder shall provide the percentage of local content in the bid.

(b)

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall 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 practising chartered accountant (in respect of other than companies) giving the percentage of local content.
- However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

7.1.3. After Contract Award:

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall 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 practising chartered accountant (in respect of other than companies) giving the percentage of local content.
- However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

7.2. Each supplier shall provide the necessary local-content documentation to the statutory auditor, which shall review and determine that local content requirements have been met, and issue a local content certificate to that effect on behalf of procuring company, stating the percentage of local content in the good or service measured. The Auditor shall keep all necessary information obtained from suppliers for measurement of Local Content confidential.

7.3. The Local Content certificate shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.

7.4. As regards cases where currency quoted by the bidder is other than Indian Rupee, exchange rate prevailing on the date of notice inviting tender (NIT) shall be considered for the calculation of Local Content.

7.5. The Procuring Company shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.

8. Governance and Supervision

8.1. A Steering Committee will be constituted by MoPNG to provide effective guidance and to oversee the effective implementation of the Policy including review and amendments required therein. The Steering Committee may consider representations on target Local Content in goods, services and EPC and modify the policy accordingly.

8.2. The Steering Committee shall annually conduct a review of the policy implementation which shall specifically cover the issue of whether there has

been adequate competition, and whether the policy has resulted in any reduction in competition/ exclusion of non-local bidders or any cost increase to the purchasing PSU, particularly in respect of services & works contracts.

9. Sanctions

9.1. The Procuring companies shall impose sanction on manufacturers/ service providers not fulfilling LC of goods/ services in accordance with the value mentioned in certificate of LC.

9.2. The sanctions may be in the form of written warning, financial penalty and blacklisting.

9.3. In the event that a manufacturer or supplier of goods and/or provider of services does not fulfil his obligation after the expiration of the period specified in such warning, the procuring company can initiate action for blacklisting such manufacturer/supplier/service provider.

9.4. A manufacturer and/or supplier of goods and/or provider of services who has been awarded the contract after availing Purchase Preference is found to have violated the LC provision, in the execution of the procurement contract of goods and/or services shall be subject to financial penalty specified in clause 9.4.1.

9.4.1. The financial penalty shall be over and above the PBG value prescribed in the contract and shall not be more than an amount equal to 10% of the Contract Price.

10. **Clarification on Goods/Services:** Any issue regarding the coverage of a particular good/ service under the proposed policy would be referred to the Steering Committee for clarification.

11. **Powers to grant exemption and to reduce minimum local content:** Wherever proper justification exists, Ministry of Petroleum and Natural Gas may by written order, for reasons to be recorded in writing,

- a) Reduce the minimum local content below the prescribed level; or
- b) Reduce the margin of purchase preference below 20%; or
- c) Exempt any particular item or supplying entities from the operation of this Order or any part of the Order.

12. **Time Period:** The Policy shall be applicable for 5 years. Except for 2017-18, the Policy shall not be continued unless, the Steering Committee by September 30th of each year, concludes a review as per para 8.2 of the Policy and recommends continuation of the Purchase Preference.

Enclosure - I

PROCEDURE FOR AWARD OF CONTRACTS

Procedure for award of contracts under this policy shall be as follows:

- 1.1 In procurement of all items which are divisible in nature, the 'Class I local supplier' shall get purchase preference over 'Class II local supplier' as well as 'Non Local Supplier' as per following procedure:
 - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class I local supplier', the contract for full quantity will be awarded to L1.
 - ii. If L1 bid is not a 'Class I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, lowest bidder among the 'Class I Local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- 1.2 In the procurement of all items which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
 - i. Among all qualified bids, the lowest bid will be termed as L1. If L 1 is 'Class-I local supplier', the contract will be awarded to L1.
 - ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
 - iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.

ANNEXURE E-IX PERFORMANCE SECURITY FORM

TO,

**OIL INDIA LIMITED,
DULIAJAN - 786 602
ASSAM, INDIA**

WHEREAS.....
.....

(Name of the Seller)

(herein after called 'the Seller') has undertaken, in pursuance of Order No.....
.....dated...../...../..... to supply.....
.....(description of Goods and Services) hereinafter called 'the Contract'.

AND WHEREAS it has been stipulated by you in the said Contract that the Seller shall furnish you with a Bank Guarantee by a recognized Bank for the sum specified therein as security for compliance with the Seller's performance obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Seller a Guarantee:

THEREFORE, we hereby affirm that we are Guarantors on responsible to you, on behalf of the seller, upto a total of..... (Amount of the Guarantee in words and figures) and we undertake to pay you, upon first written demand declaring the Seller to be in default under the contract and without cavil or argument and sum or sums within the limits of.....
.....(Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee is valid until the day of

The details of the issuing bank and controlling bank are as under:

A. Issuing Bank

- 1. Full address of the bank:**
- 2. Email address of the bankers:**
- 3. Mobile nos. of the contact persons:**

B. Controlling Office

1. Address of the controlling office of the BG issuing banks:
2. Name of the contact persons at the controlling office with their mobile nos. and email address:

Signature & Seal of the guarantors

Date
.....
Witness

APPENDIX-C:: COMMERCIAL CHECK LIST

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
2.1	Whether quoted as OEM Dealer / Supply House. To Specify-	Yes / No
2.2	If quoted as OEM Dealer / Supply House	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / supply House for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format(Annexure VII Revised) Sent separately? If YES, provide details	Yes / No
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer validity of 120 days from the bid closing date of tender?	Yes / No
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
4.4	Whether confirmed acceptance of tender Payment Terms of 80% against shipment/dispatch documents and balance 20% after successful commissioning/testing along with commissioning/testing charges?	Yes / No
5.0	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
5.1	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
6.0	Whether Price submitted as per Price Schedule	Yes / No
6.1	Whether cost of Recommended Spares for 2 years of operations quoted?	YES/NO
7.0	Whether quoted as per NIT (without any deviations)?	Yes / No
7.0	Whether quoted any deviation?	Yes / No
7.1	Whether deviation separately highlighted?	Yes / No
8.0	Whether indicated the country of origin for the items quoted?	Yes / No
8.1	Whether technical literature / catalogue enclosed?	Yes / No
8.2	Whether weight & volume of items offered indicated?	Yes / No

9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
9.3	Whether Indian Agent applicable ?	Yes / No
	If YES, whether following details of Indian Agent provided?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
12.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No

TO BE FILLED UP IN DETAIL:

Sl No	Requirement	Bidder's Reply
01	Offer reference & Date	
02	Name, Address, Phone No & E-mail of Bidder	
03	Bank details of Bidder	
04	Name of Manufacturer	
05	Bid validity	
08	Payment Terms	
09	Guarantee/Warranty Terms	
10	Delivery Period	
11	Country of Origin	
12	Port of Despatch / Despatching Station	
13	Confirm submission Integrity pact, if required as per NIT	
14	Confirm acceptance of PBG clause, if required as per NIT	

15	Compliance to: Liquidated Damage Warranty/Guarantee Arbitration/Resolution of Dispute Force Majeure Applicable laws	
16	Confirm submission of the balance sheet/Financial Statements for the financial year 2019-20. If not, whether declaration as per BRC submitted (refer ANNEXURE –E-I).	
17	Confirm submission of undertaking towards authenticity of submitted documents (refer ANNEXURE –E-III).	
18	Exception/Deviations quoted, if any, to be given in details or refer to respective page of the bid documents	
19	Whether submitted all the applicable Annexures as per document MM/GLOBAL/E-01/2005.	

Signature _____

Name _____

Designation _____

.....