

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan, Pin – 786602
Dist-Dibrugarh, Assam

AMENDMENT NO. 3 DATED 31.01.2025 TO TENDER NO. SDG7023P25
dated 17.07.2024

This amendment is issued for the following:

AA) To publish the Final BEC / BRC of the tender as per Annexure – A and amendment to Technical specifications of the tender as per Annexure -B.

BB) The Bid Closing date, Technical Bid Opening date, Last date of submission of Bid security of the tender is extended as under:

i) Bid Closing Date & Time : **05.03.2025 at 11:00 Hours** (IST)

ii) Technical Bid Opening Date & Time : **05.03.2025 at 14:00 Hours** (IST).

iii) Last date of submission of Bid security & Time : **05.03.2025 at 11:00 Hours** (IST).

CC) Bid Security in ORIGINAL amounting to INR 8,00,00,000.00 or USD 1,000,000.00 **with validity upto 31.12.2025** shall be submitted by the Bidder as a part of their Technical Bid. The amount of Bid Security & its validity shall be specified in the covering letter of this bid document. Any bid not accompanied by a proper bid security in ORIGINAL shall be rejected without any further consideration. A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender. The Bank Guarantee / LC shall be valid for nine (9) months from the original Bid closing date.

DD) All other terms and condition of the tender remain unchanged.

Sd/-

(TUHIN ROY)

DGM-FP 07

FOR GM- MATERIALS

FOR RESIDENT CHIEF EXECUTIVE

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

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

TECHNICAL EVALUATION MATRIX FOR BEC (TO BE DULY FILLED IN BY BIDDER AND SIGNED)		
Claus e No.	Clauses	Bidders Remarks (Complied/ Not Complied)
A.1	<u>BRC TECHNICAL:</u>	
	A.1.1 Bid should be complete in all aspects covering entire scope of job / supply and should conform to the technical specifications indicated in the bid document, duly supported with detailed technical catalogues, literatures, and detailed drawing. Incomplete and non-conforming bids will be rejected outright. A.1.2 The bidder must be the Rig Manufacturer who should have supplied complete drilling rig packages for onshore drilling application subject to qualifying either one of the following criteria: <i>The bidder should be manufacturer (OEM) of mast, substructure and crown block assembly for rig of tendered capacity with valid API-4F,PSL-2certification and should be rig package integrator, having experience of supplying complete drilling rig package(s) complying with clause A.1.2.1.</i> OR <i>The bidder should be manufacturer of the three major rig components namely Draw-Works, Top Drive and Drilling Control System and should be rig package integrator, having experience of supplying complete drilling rig package(s), complying with clause A.1.2.2.</i> For past experiences, the bidder of the offered rigs should satisfy the following (A.1.2.1 or A.1.2.2, whichever is applicable and A.1.2.3) along with documentary evidence, which should be enclosed along with the techno-commercial bid. A.1.2.1 MANUFACTURING AND SUPPLY EXPERIENCE IN CASE THE BIDDER IS MAST, SUBSTRUCTURE AND CROWN BLOCK ASSEMBLY MANUFACTURER: A.1.2.1 (A) The bidder (Manufacturer of Mast, Substructure and Crown block assembly) shall have an experience of minimum ten (10) years in manufacturing and	

	supplying of Mast, Substructure and Crown block assembly under API Specification 4F, PSL-2 Certification. Bidder in support of manufacturing under API specification for minimum ten (10) years, should submit copies of their API-4F, PSL-2 Certification with scope of licenses including Mast, Substructure and Crown Block Assembly covering a period of at least ten (10) years, in the last fifteen (15) years, preceding the original bid closing date, of this tender, along with the technical bid. The copies of API-4F certificates shall be for the facility from which the supplies are intended to be made. For the facility from where supplies are intended, the bidder shall have valid API Spec 4F, PSL-2 certificate on the Bid Closing Date and submit the same along with the bid. The bidder shall also submit an undertaking that the Mast, Substructure and Crown block assembly shall be API-4F, PSL-2 monogrammed and the API-4F Certification shall remain valid continuously during the entire period of supply of rigs. A.1.2.1(B) The bidder (Manufacturer of Mast, Substructure and Crown block assembly) should also have the experience of supplying at least one (01) number of complete Drilling Rig of tendered capacity after manufacturing mast, substructure & crown block assembly and integrating the Draw-Works, Top Drive, Drilling Control System and other rig equipment during the last fifteen (15) years preceding the original bid closing date, of this tender, to E&P companies / Drilling Contractors/ Drilling Rig Package Integrators/ Drilling service providers to the Oil and Gas industry. The bidder shall submit copies of relevant contract(s) / Purchase Order(s) for supply of Drilling Rigs of tendered or higher capacity placed on them along with supporting documents clearly indicating the details of the rig mast and other rig components as above. The bidder should also submit copies of the following documents in respect of satisfactory execution of each of those Contract(s) / Purchase Order(s) failing which the bids will be rejected: (i) Copies of sealed & signed Rig commissioning certificate from end users in respect of the one (01) set delivered (OR) (ii) Bill of Lading (OR) (iii) Consignee delivery receipt / challan (OR) (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST (OR) (v) Commercial Invoice/ Payment Invoice. Note: - a)The Contract(s) / Purchase Order(s) date need not be within 15 (fifteen) years preceding the original bid closing date of this tender. However, the execution of supply should be within 15 (fifteen) years preceding original bid closing date of this tender. - b)Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the bid closing date. c) Originals of documentary evidence are to be produced for verification on demand of OIL.	
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	d) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC. e) Same company will be considered as same make. f) The details of Manufacturing & Supply experience should be submitted in tabular format (as per Annexure-B2) in the technical bid. g) The make, model, capacity and technical details of the Drilling Rig, Mast, Substructure, Crown block assembly, Draw-Works, Top Drive and Drilling Control System should be clearly indicated in the submitted documentary evidence. A.1.2.1 (C) All the three equipment (i.e., Draw-Works, Top Drive and Drilling Control System) should be of same make. The bidder shall submit following documents for the manufacturing plant(s) from which the above three rig components are proposed to be sourced: Copies of contract(s) / purchase order(s) for supply of minimum one (01) set of Draw-Works, Top Drive and Drilling Control System (each set consisting of a Draw Works, Top Drive & Drilling Control System) for Drilling Rigs of tendered capacity by the quoted manufacturing plant(s) along with supporting documents clearly indicating the details of the rig mast and other rig components as above during the last 15 (fifteen) years preceding the original bid closing date of this tender to E&P companies / Drilling Contractors / Drilling Rig Package Integrators / Drilling service providers to Oil and Gas industry Documentary evidence in respect of the above should be submitted in the form of copies of relevant Contract(s) / Purchase Order(s) along with copies of the following documents in respect of satisfactory execution of each of those Contract(s) / Purchase Order(s) failing which the bids will be rejected: (i) Copies of sealed & signed Rig commissioning certificate from end users in respect of the one (01) set delivered (OR) (ii) Bill of Lading (OR) (iii) Consignee delivery receipt / challan (OR) (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST (OR) (v) Commercial Invoice/ Payment Invoice Note: a) The Contract(s) / Purchase Order(s) date need not be within 15 (fifteen) years preceding the original bid closing date of this tender. However, the execution of supply should be within 15 (fifteen) years preceding original bid closing date of this tender. b) Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the bid closing date. c) Originals of documentary evidence are to be produced for verification on demand of OIL. d) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC. e) Same company will be considered as same make. f) The details of Manufacturing & Supply experience should be submitted in tabular format (as per Annexure-B2) in the technical bid.	
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	g) The make, model, capacity and technical details of the Drilling Rig, Draw-Works, Top Drive and Drilling Control System should be clearly indicated in the submitted documentary evidence. h) The description of Drilling Control System is provided at Appendix-AA-I, which shall be considered with respect to experience on Drilling Control System. <i>A.1.2.1(D) Domestic bidders (Manufacturer of Mast, Substructure and Crown block assembly) who have the experience of supplying at least one (01) number of complete Drilling Rig of tendered capacity to ONGC/OIL/ Govt Agencies / PSU need not satisfy / meet clause A.1.2.1(B) .</i> <i>However, the bidder shall submit copies of relevant contract(s) / Purchase Order(s) for supply of Drilling Rigs of tendered capacity placed on them along with supporting documents clearly indicating the details of the rig mast and other rig components as above. The bidder should also submit copies of the following documents in respect of satisfactory execution of each of those Contract(s) / Purchase Order(s) failing which the bids will be rejected.</i> <i>i) Copies of sealed & signed Rig commissioning certificate from end users in respect of the one (01) set delivered (OR)</i> <i>(ii) Bill of Lading (OR)</i> <i>(iii) Consignee delivery receipt/ challan (OR)</i> <i>(iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST (OR)</i> <i>(v) Commercial Invoice/ Payment Invoice.</i> A.1.2.2 MANUFACTURING AND SUPPLY EXPERIENCE IN CASE THE BIDDER IS RIG EQUIPMENT (DRAW-WORKS, TOP DRIVE AND DRILLING CONTROL SYSTEM) MANUFACTURER: <i>A.1.2.2(A)</i> The bidder (Manufacturer of Draw-Works, Top Drive & Drilling Control System) should have the experience of supplying at least one (01) number of complete Drilling Rig of tendered or higher capacity after manufacturing the Draw-Works, Top Drive, Drilling Control System etc. and integrating with mast, substructure, crown block assembly and other rig equipment during the last 15 (fifteen) years preceding the original bid closing date, of this tender to E&P companies / Drilling Contractors / Drilling Rig Package Integrators / Drilling service providers to Oil and Gas industry. Documentary evidence in respect of the above should be submitted in the form of copies of relevant Contract(s) / Purchase Order(s) along with copies of any of the following documents in respect of satisfactory execution of each of those Contract(s) / Purchase Order(s) failing which the bids will be rejected: <i>(i) Copies of sealed & signed Rig commissioning certificate from end users in respect of one (01) drilling rig delivered (OR)</i> <i>(ii) Bill of Lading (OR)</i> <i>(iii) Consignee delivery receipt / challan (OR)</i> <i>(iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST (OR)</i> <i>(v) Commercial Invoice/ Payment Invoice.</i>	
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	Note: a) The Contract(s) / Purchase Order(s) date need not be within 15 (fifteen) years preceding the original bid closing date of this tender. However, the execution of supply should be within 15 (fifteen) years preceding original bid closing date of this tender. b) Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the bid closing date. c) Originals of documentary evidence are to be produced for verification on demand of OIL. d) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC. e) Same company will be considered as same make. f) The details of Manufacturing & Supply experience should be submitted in tabular format (as per Annexure-B2) in the technical bid. g) The make, model, capacity and technical details of the Drilling Rig, Mast, Substructure, Crown block assembly, Draw-Works, Top Drive and Drilling Control System should be clearly indicated in the submitted documentary evidence. h) The description of Drilling Control System is provided at Appendix-AA-I, which shall be considered with respect to experience on Drilling Control System. A.1.2.2 (B) The bidder (Manufacturer of Draw-Works, Top Drive & Drilling Control System) shall also submit following documents for the manufacturing plant from which Rig Mast, Substructure and crown block assembly is proposed to be sourced: (1) Copy(ies) of API Spec 4F, PSL-2 Certification with scope of licenses including Mast, Substructure and crown block assembly covering a period of at least 10 years in the last fifteen (15) years, preceding the original bid closing date, of this tender, along with the technical bid. (2) Copy(ies) of API-4F, PSL-2 Certificate valid on the bid closing date along with an undertaking that the Mast, Substructure and crown block assembly shall be API-4F, PSL-2 monogrammed and the API-4F Certification shall remain valid continuously during the entire period of supply of rig. (3) Copy(ies) of Contract(s) / Purchase Order(s) for supply of minimum one (01) number each of Mast, Substructure and crown block assembly for Drilling Rig of tendered capacity by the quoted manufacturing plant along with supporting documents clearly indicating the technical details of the rig mast and other rig components during the last 15 (fifteen) years preceding the original bid closing date of this tender. The copies of contract(s) / purchase order(s) submitted can be for individual equipment (Mast, Substructure and Crown block assembly) or for supply of rig integrated with other equipment to E&P companies / Drilling Contractors / Drilling Rig Package Integrators / Drilling service providers to Oil and Gas industry. Documentary evidence in respect of the above should be submitted in the form of copies of relevant Contract(s) / Purchase Order(s) along with copies of the following documents in respect of satisfactory execution of each of those Contract(s) / Purchase Order(s) failing which the bids will be rejected: (i) Copies of sealed & signed Rig commissioning certificate from end users in respect of the one (01) drilling rig delivered (OR)	
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	(ii) Bill of Lading (OR) (iii) Consignee delivery receipt / challan (OR) (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST (OR) (v) Commercial Invoice/ Payment Invoice Note: a) The Contract(s) / Purchase Order(s) date need not be within 15 (fifteen) years preceding the original bid closing date of this tender. However, the execution of supply should be within 15 (fifteen) years preceding original bid closing date of this tender. b) Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the bid closing date. c) Originals of documentary evidence are to be produced for verification on demand of OIL. d) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC. e) The details of Manufacturing & Supply experience should be submitted in tabular format (as per Annexure-B2) in the technical bid. f) The make, model, capacity and technical details of the Drilling Rig, Mast, Substructure and Crown block assembly should be clearly indicated in the submitted documentary evidence. A.1.2.3 In addition to A.1.2.1 or A.1.2.2 (whichever is applicable), bidder's offer must comply to the following: For the other Rig equipment (listed at Clause No. 11.12 of Annexure-AA of the Tender), the bidder can either source the equipment from the specified Manufacturers listed at Clause No. 11.12 of Annexure-AA of the tender, or source from any other Manufacturer (including self), as per the following conditions: (A) In case bidder sources the other Rig equipment (listed at Clause No. 11.12 of Annexure-AA of the Tender), from amongst the specified Manufacturers then the Bidder is not required to submit any documentary evidence in support of manufacturing and / or supply experience of the Manufacturer of the particular equipment. (B) In case bidder sources the other Rig equipment (listed at Clause No. 11.12 of Annexure-AA of the Tender), from any other Manufacturer (including self) which are not specified in the list at Clause No. 11.12 of Annexure-AA of the Tender, then the bidder should submit the following documentary evidence from the quoted manufacturer(s), along with the techno-commercial bid: Copies of contract(s) / purchase order (s) for supply of minimum three (03) numbers of the particular rig equipment of tendered capacity / rating or higher capacity / rating by the quoted manufacturing plant to E&P Companies / Drilling Contractors / Drilling Rig Package Integrators / Drilling Service Providers to Oil and Gas industry, during the last 15 (fifteen) years preceding the original bid closing date, of the tender. Documentary evidence in respect of above should be submitted in the form of copies of relevant Purchase Order(s) along with copies of any of the following documents in	
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	respect of satisfactory execution of each of those Purchase Order(s) failing which the bids will be rejected: (i) Signed & sealed satisfactory supply/completion report (OR) (ii) Bill of Lading (OR) (iii) Consignee delivery receipt / challan (OR) (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST (OR) (v) Commercial Invoice/ Payment Invoice Note: a) The Contract(s) / Purchase Order(s) date need not be within 15 (fifteen) years preceding the original bid closing date of this tender. However, the execution of supply should be within 15 (fifteen) years preceding original bid closing date of this tender. b) Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the bid closing date. c) Originals of documentary evidence are to be produced for verification on demand of OIL. d) For any tendered Rig equipment (Listed at Clause No. 11.12 of Annexure-AA of the Tender) if the manufacturer has successfully executed minimum three (03) numbers of equipment of same capacity to Oil India Limited (either directly or indirectly) during the last 15 (fifteen) years preceding the original bid closing date, of this tender, documentary evidence from the manufacturer need not be submitted. In this situation the bidder shall have to indicate the Purchase Order (P.O.) Number of OIL in their technical bid. e) The details of Manufacturing & Supply experience should be submitted in tabular format (as per Annexure-B2) in the technical bid. f) The make, model, capacity and technical details of the quoted equipment should be clearly indicated in the submitted documentary evidence. Note to BRC A.1.2.1,A.1.2.2 & A.1.2.3: In case the bidder complies the above BEC requirement regarding experience of manufacturing and supply based on their existing facility and desires to manufacture / assemble various rig equipment in India by using any of the existing facilities available in India having requisite API approval, the same is permissible. Bidder(s) has to indicate categorically in their technical bid, the item(s) which they intend to manufacturer/ assemble in the facility(ies) in India as per the above provision. However, no post bid alteration of the list of item(s) will be permitted. A.1.2.4. Eligibility criteria in case Bid is submitted on the basis of the Technical Experience of the Parent/Subsidiary Company. <i>Offers of those domestic bidders who themselves do not meet experience criteria as stipulated in clause A.1.2.1 or A.1.2.2 above can also be considered, provided the bidder is direct subsidiary company of the parent company having more than 50% shareholding (Supporting Company) which meets the above mentioned experience criteria. OR The parent company (the bidder) can also be considered on the strength of its direct subsidiary company having more than 50% shareholding (Supporting</i>	
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Company). However, the parent/subsidiary company of the bidder should on its own meet the technical experience as aforesaid and should not rely on its sister subsidiary/co-subsidiary company or through any other arrangement like technical collaboration etc. In that case, as the subsidiary company is dependent upon the technical experience of the parent company or vice-versa, with a view to ensure commitment and involvement of the parent/subsidiary company for successful execution of the contract, the participating bidder must enclose an agreement, as per format furnished vide Annexure B4, between the parent and the subsidiary company or vice-versa and Parent/Subsidiary Guarantee, as per format furnished vide Annexure B3, from the parent/subsidiary company to OIL for fulfilling the obligations under the agreement, along with the technical bid.

A.1.3 Delivery Period

Time is of the essence of this procurement and materials must be supplied within the stipulated delivery schedule in the event of an order. Therefore, Bids submitted by Bidders quoting delivery schedule other than mentioned in the tender shall be rejected.

Overseas Bidder		
Award type	Delivery schedule	Date of delivery
FOB Port of Shipment	Within 20 months from the date of issue of Letter of Award (LOA)	Date of unambiguous Bill of Lading (Freight forwarder nomination time and freight forwarder readiness time to be excluded)
C&F/CIF Kolkata	Within 22 months from the date of issue of Letter of Award (LOA)	IGM (Import General Manifest)

Indian Bidder		
Award type	Delivery schedule	Date of delivery
F.O.R Despatching Station	Within 20 months from the date of issue of Letter of Award (LOA)	Date of LR/C Note
F.O.R Destination (Duliajan)	Within 22 months from the date of issue of Letter of Award (LOA)	Date of Reporting at Destination (Duliajan)

	A.2 - BRC - FINANCIAL:	
	1.0 The bidder shall have an annual financial turnover from Operations of minimum INR 260.24 Crores or USD 31,235,000.00 during any of the preceding 3 (Three) financial/accounting years reckoned from the original bid closing date of the tender. {Annual Financial Turnover of the bidder from operations shall mean -"Aggregate value of the realization of amount made from the sale, supply or distribution of goods or on account of services rendered, or both, by the company (bidder) during a financial year" as per the Companies Act, 2013 Section 2 (91). } 2.0 "Net Worth" of the bidder must be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender (i.e., Year 2023-24). { Net worth shall mean: "Share capital + Reserves created out of profits and securities Premium - Aggregate value of accumulated losses (excluding revaluation reserves) - deferred expenditure - Miscellaneous Expenditure to the extent not written off and carried forward Loss - Reserves created out of write back of depreciation and amalgamation".} 3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/ undertaking (PROFORMA - 8) certifying that 'the balance sheet/Financial Statements for the financial year (i.e., Year 2023-24) has actually not been audited so far'. Note: a)For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical bid:- i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual Turnover & Net worth as per format prescribed in (PROFORMA – 9) OR ii) Audited Balance Sheet alongwith Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable. b)In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/ State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India	

	and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same. 4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$. 5.0 In case the Bidder is subsidiary company (should be 100% owned subsidiary of the parent/ultimate parent/holding company) who does not meet financial criteria by itself and submits its bid based on the strength of parent/ultimate parent/holding company, then following documents need to be submitted: (i) Turnover of the parent/ultimate parent/holding company should be in line with Para A.2 (1.0) above. (ii) Net Worth of the parent/ultimate parent/holding company should be positive in line with Para A.2 (2.0) above (iii) Corporate Guarantee (PROFORMA - 10) on parent/ultimate parent/holding company's company letter head signed by an authorized official undertaking that they would financially support their wholly owned subsidiary company for executing the project/job in case the same is awarded to them. (iv) Documents to substantiate that the bidder is as 100% subsidiary of the parent/ultimate parent/holding company.	
	(A.3) BRC – COMMERCIAL:	
	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 online under SINGLE STAGE TWO BID SYSTEM. Bidders must prepare the Techno-Commercial Bid (Unpriced) as well as the Priced Bid separately and upload both these bids in OIL's e-procurement portal at the designated fields separately assigned. Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid. The "Unpriced Bid" shall contain all techno-commercial details except the prices/costs. The rate and amount columns in the unpriced technical bid must 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/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.	

	3.0 Bids received in physical form against online invitation shall be rejected (except the documents specifically called for in hard copies, if any). Also, modifications to bids received after the bid closing date & time shall not be entertained. 4.0 Bids containing incorrect/false/misleading statement(s) shall be rejected. 5.0 Validity of the bid shall be minimum 180 days from the date of actual Bid Closing Date. Bids with lesser validity shall be straightway rejected. 6.0 Bid Security in ORIGINAL amounting to INR 8,00,00,000.00 or USD 1,000,000.00 valid upto 31.12.2025 shall be submitted by the Bidder as a part of their Technical Bid. The amount of Bid Security & its validity shall be specified in the covering letter of this bid document. Any bid not accompanied by a proper bid security in ORIGINAL shall be rejected without any further consideration. A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender. The Bank Guarantee / LC shall be valid for nine (9) months from the original Bid closing date. 6.1 For exemption for submission of Bid Security please refer Clause No. 9.8 (Section A) of “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). 7.0 Successful bidder will be required to furnish Performance Security as below: 1st Performance Security @ 5 % of cost for Materials during warranty period to be submitted within 30 days of receipt of LOA/notification of award. The 1st Performance Security must be valid for 3(three) months beyond the Warranty period indicated in the Purchase Order/contract agreement. Bidders should also undertake that in the event of AMC contract of 4 years, 2nd Performance Security @ 5% of AMC cost of 4 years to be submitted prior to expiry of 1st PBG. The 2nd Performance Security must be valid for 3(three) months beyond the AMC period indicated in the Purchase Order/contract agreement. The 1st PBG shall be released after receipt of 2nd PBG only. The Performance Security must be valid for a period as called for in the tender document. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected. (Please refer Annexure – III: GENERAL NOTES TO BIDDERS). 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. 8.0 Online Bid must be uploaded together with the Integrity Pact and the same must be duly signed digitally. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.	
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	9.0 Bidders are to quote for all the items in full quantity as indicated in the NIT. 10.0 Bidders shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection: i)Liquidated Damages ii)Warranty/Guarantee of material iii)Arbitration / Resolution of Dispute iv)Force Majeure v)Applicable Laws. 11.0 A bid shall be rejected straightway if it does not conform to any one of the following clauses: a) Validity of bid shorter than the validity indicated in the Tender. b) Incase the party refuses to sign Integrity Pact. c)Original Bid Security not received within the stipulated date & time mentioned in the Tender. d)Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender. 12.0 PRICE SCHEDULE: Bidder shall submit the Price Break up as per Price Bid Format (ANNEXURE - D). Bidders should fill up the annexure(s), sign and upload under “Notes & Attachments” > “Attachments” only. 13.0 DOCUMENT VERIFICATION: Oil India Limited (OIL) has engaged Independent Inspection Agencies to verify and certify of various documents required against BEC/BRC of the tender: (Details already provided in Part B of Tender, Clause 47.0) 13.1 The Bidders have to get the various documents required against BEC/BRC of the tender verified and certified (signed & stamped on each page) by anyone of the above Independent Inspection Agencies and submit the duly certified documents alongwith the Inspection Certificate issued by the Inspection Agencies as part of their Technical Bids. It may be noted that the scope of inspection is primarily to verify the authenticity of the documents being submitted as part of the bid. 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. 13.2 As mentioned above, Bidder(s) have to submit the verified documents and the duly certified Inspection Certificate by the Inspection Agencies along with the Technical Bids.	
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	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 against 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. 13.3 An Undertaking from Independent Inspection Agencies for Document Verification as per (Proforma – 17) should be submitted alongwith the Technical bid.	
	A.4 - BID EVALUATION CRITERIA:	
	1.0 Bidders must submit prices as indicated in the Price Bid Format (Annexure D). In case, any charges (except basic material value) are not indicated item wise specifically, the charges quoted would be pro-rata calculated and the same will be binding on the bidder. Hence, bidders are requested to quote accordingly. 2.0 The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below: (i) Price Bid Format (SUMMARY) for Foreign Bidders: (1) Basic Material Value including cost of all accessories, commissioning spares & mandatory spares (to indicate HSN code): (2) Pre-despatch Inspection Charges, if any (3) Packing & FOB charges (4) FOB Value (1+2+3) (5) Ocean Freight Charges upto Kolkata, India (6) Insurance, @0.5% of Total FOB Value (4) (7) Banking Charges @1 % of Total FOB Value (4) 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(4) will be loaded) (8) CIF Landed Value (4+5+6+7) (9) Basic Custom Duty (including cess, if any) on (8) (10) CIF Landed Value + CD (8+9) (11) IGST (including cess, if any) on (10) (12) Compensatory Cess on (11), if any: (13) CIF+CD+GST Landed Value, (10+11+12) (14) Training Charges, if any: (15) GST on Training Charges (14): (16) Installation & Commissioning Charges, if any:	

(17) GST on Installation & Commissioning Charges (16): (18) AMC Charges of 4 years , if any (19) GST on AMC Charges (18) (20) Total Value (13+14+15+16+17+18+19) (ii) Price Bid Format (SUMMARY) for Indigenous Bidders: (1)Basic Material Value including cost of all accessories, commissioning spares & mandatory spares (to indicate HSN code). (2) Pre-despatch Inspection Charges, if any inclusive of GST (3) Packing & Forwarding charges, if any (4) Total Ex-Works Value (1+2+3) (5) GST on Ex-Works Value (4) (6) Compensatory Cess, if any (7) Total FOR Despatching Station Value (4+5+6) (8) Inland Freight Charges upto Duliajan, Assam (9) GST on Inland Freight (8) (10) Transit Insurance Charges, if any including GST (11) Training Charges, if any (12) GST on Training Charges (11) (13) Installation & Commissioning Charges, if any (14) GST on Installation & Commissioning Charges (13) (15) AMC Charges of 4 years, if any (16) GST on AMC Charges (15) (17) Total (7+8+9+10+11+12+13+14+15+16) 3.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections/adjustments given herein. (I)When only foreign bidders are involved: Comparison will be done on Total value vide SI. no 20. (II) When both foreign & Domestic bidders are involved: Comparison will be done on total value vide SI no 20 of foreign bidder and total value vide SI. no 17(excluding SI no 8, 9, 10) of domestic bidder. (III) When only domestic bidders are involved: Comparison will be done on Total value vide SI no 17 of Domestic bidder. Note: (a) 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.	
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(b) 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@ 12 % shall be applicable. IGST @ 12 % shall be applicable for Indigenous bidders also under deemed export benefit. 4.0 Purchase Preferences (As quoted by bidder): a)As per Gazette notification no. CG-DL-E-26062020-220191 dated 26.06.2020 issued by Ministry of Micro, Small and Medium Enterprises, MSE bidders whose quote price is within price band of L1+15%, such MSE shall be considered for award of contract by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE. In case of more than one such MSE qualifying for 15% purchase preference, the order shall be awarded to lowest eligible MSE amongst the MSEs qualifying for 15% purchase preference. Or b)As per Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DPIIT), Government of India vide notification no. No. P-45021/2/2017-PP (BE-II) dated 16.09.2020 and as amended time to time, Class-I local bidder with local content equal to or more than 50% (or as amended by competent authority from time to time) shall be eligible for purchase preference of 20%. Offer evaluation and award of order shall be based on the provisions of aforesaid policy. For this purpose, the bidder must declare their percentage of local content in their technical bid unambiguously. 5.0 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. 6.0 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. 7.0 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.	
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Proforma – 17

**PROFORMA FOR UNDERTAKING FROM THIRD PARTY DOCUMENT VERIFICATION INSPECTION AGENCY
(To be submitted on official letter head)**

TO,
CGM- MATERIALS
MATERIALS DEPARTMENT
P.O. DULIAJAN, PIN-786602
DIST. DIBRUGARH, ASSAM, INDIA
Sir

SUB : OIL's tender No.

M/s _____ having registered office at _____ intend to participate in the above referred tender of OIL INDIA LIMITED.

The tender conditions stipulated that the bidder shall submit documents pertaining to Bid Evaluation Criteria / Bid Rejection Criteria (BEC / BRC), duly verified and certified by designated independent Third Party Document Verification Inspection Agency.

In this regard , we hereby certify that copies of documents pertaining to Bid Evaluation Criteria / Bid Rejection Criteria (BEC / BRC), submitted to us by the bidder. M/s _____ have been verified and certified by us with originals and found to be genuine and authentic. We have signed and stamped on the copies of all the verified and certified documents having _____ nos. pages.

Note: In the event of any requirement, OIL reserves the right to ask the inspection agencies to verify the documents with source, if required at no extra cost to OIL.

Thanking you,

Authorised Person's Signature: _____

Name: _____

PARENT COMPANY/SUBSIDIARY COMPANY GUARANTEE

(Delete whichever not applicable)

(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

DEED OF GUARANTEE

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

WHEREAS

M/s Oil India Limited, a company duly registered under the Companies Act 1956, having its Registered Office at Duliajan in the State of Assam, India, hereinafter called “OIL” which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number.....for on ..M/s..... (mention complete name), a company duly organized and existing under the laws of (insert jurisdiction/country), having its Registered Office at (give complete address) hereinafter called “the Company” which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successor and permitted assigns, have, in response to the above mentioned tender invited by OIL, submitted their bid number to OIL with one of the condition that the Company shall arrange a guarantee from its parent company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by OIL at any stage.

The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Company for successful execution of the same.

The Company and the Guarantor have entered into an agreement Dated as per which the Guarantor shall be providing technical and such other supports as may be necessary for performance of the work relating to the aforementioned tender.

Accordingly, at the request of the Company and in consideration of and as a requirement for OIL to enter into agreement(s) with the Company, the Guarantor hereby agrees to give this guarantee and undertakes as follows:

1. The Guarantor (Parent Company/ **Subsidiary Company (Delete whichever not applicable)**) unconditionally agrees that in case of non- performance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by OIL, take up the job without any demur or objection, in continuation and without loss of time and without any cost to OIL and duly perform the obligations of the Company to the satisfaction of OIL.
2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.
3. The Guarantor shall be jointly with the Company as also severally responsible for satisfactory performance of the Purchase Order entered between the Company and OIL.
4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized Purchase Order price entered between the Company and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Company.
5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.
6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of India.
7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
8. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For & on behalf of (Parent Company/Subsidiary Company (Delete whichever not applicable))

Witness:	M/s _____
1. Signature _____	Signature _____
Full Name _____	Name _____
Address _____	Designation _____
2. Signature _____	Common seal of the Company _____
Full Name _____	
Address _____	

**FORMAT OF AGREEMENT BETWEEN BIDDER AND THEIR PARENT
COMPANY/ SUBSIDIARY COMPANY (As the case may be)**

(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

This agreement made this ____ day of ____ month ____ year by and between M/s.....(Fill in the Bidder's full name, constitution and registered office address) hereinafter referred to as bidder on the first part and M/s. ____ (Fill in full name, constitution and registered office address of ____ Parent Company/Subsidiary Company, as the case may be) hereinafter referred to as "Parent Company/Subsidiary Company (Delete whichever not applicable)" of the other part:

WHEREAS

M/s. Oil India Limited (hereinafter referred to as OIL) has invited offers vide their ____ tender no ____ for ____ and M/s ____ (Bidder) intends to bid against the said tender and desires to have technical support of M/s ____ [Parent Company/Subsidiary Company-(Delete whichever not applicable)] and whereas Parent Company/ Subsidiary Company (Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the Purchase order, if awarded to the bidder.

Now, it is hereby agreed to by and between the parties as follows:

1. M/s. ____ (Bidder) will submit an offer to OIL for the full scope of work as envisaged in the tender document as a main bidder and liaise with OIL directly for any clarifications etc. in this context.
2. M/s. ____ (Parent Company/Subsidiary Company (Delete whichever not applicable) undertakes to provide technical support and expertise, expert manpower and procurement assistance and project management to support the bidder to discharge its obligations as per the Scope of work of the tender/ Purchase Order for which offer has been made by the Parent Company/Subsidiary Company (Delete whichever not applicable) and accepted by the bidder.
3. This agreement will remain valid till validity of bidder's offer to OIL including extension if any and till satisfactory performance of the Purchase Order in the event the Purchase Order is awarded by OIL to the bidder.
4. It is further agreed that for the performance of work during Purchase Order period

Final BEC / BRC of SDG7023P25 dated 17.07.2024 – Annexure – A

bidder and Parent Company/Subsidiary Company (Delete whichever not applicable) shall be jointly and severally responsible to OIL for satisfactory execution of the Purchase Order.

5. However, the bidder shall have the overall responsibility of satisfactory execution of the Purchase Order awarded by OIL.

In witness whereof the parties hereto have executed this agreement on the date mentioned above.

For and on behalf of (Bidder)	For and on behalf of (Parent Company/Subsidiary Company (Delete whichever not applicable))
M/s. _____	M/s. _____
Witness:	Witness:
1)	1)
2)	2)

Amendment to Technical specifications of SDG7023P25 dated 17.07.2024 - Annexure - B.

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
AMENDMENTS TO ANNEXURE -A of Tender			
1	ANNEXURE-A: AA: ITEM DETAILS & QUANTITY OF ITEMS	Sl No 2: Installation & Commissioning charges, Training, Non comprehensive AMC for 5 years	Sl No 2: Installation & Commissioning charges, Training, Non comprehensive AMC for 4 (four) years
2	ANNEXURE-A: BB:: SPECIAL NOTES TO BIDDERS Clause No. 2.2 (Page 5 of 30)	2.2 The bidder shall set up a base in India to deal promptly with any technical issues arising during the normal warranty / guarantee period (as stated elsewhere in this NIT). Bidder should additionally confirm in their technical bid that they will keep their technical personnel at OIL's Headquarter Duliajan, Assam for trouble shooting & providing timely warranty/ guarantee repair/ replacement/ operational & maintenance support services on regular basis as may be required during the normal warranty / guarantee (as stated elsewhere in this NIT) for a period of 1 year (12 months) from successful commissioning of the rig package at site.	2.2 The bidder shall set up a base in India to deal promptly with any technical issues arising during the normal warranty / guarantee period (as stated elsewhere in this NIT). Bidder should confirm in their technical bid for trouble shooting & providing timely warranty/ guarantee repair/ replacement/ operational & maintenance support services on regular basis as may be required during the normal warranty / guarantee (as stated elsewhere in this NIT) for a period of 1 year (12 months) from successful commissioning of the rig package at site. Transportation of personnel FROM DULIAJAN TO WELLSITE ONLY during warranty / guarantee period shall be under Company's scope.
3	ANNEXURE-A: BB: SPECIAL NOTES TO BIDDERS Clause No. 2.3	2.3 The bidder shall supply latest version of the all the software used in drilling control system /Instrumentation system/VFDs etc., available at the time of delivery/commissioning.	2.3 The bidder shall supply latest version of all the software (software for operation, monitoring & troubleshooting from Server /Workstation /Configuration laptop) used in drilling control system /Instrumentation system /VFDs etc., available at the time of delivery/commissioning.

Amendment to Technical specifications of SDG7023P25 dated 17.07.2024 - Annexure - B.

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
4	ANNEXURE-A: BB: SPECIAL NOTES TO BIDDERS Clause No. 2.4	2.4 The drilling control system software for operating the rig shall be licensed to Oil India Limited with lifetime validity and the bidder will be responsible for any update in software and the software shall be made available to Oil India Limited for end of equipment cycle.	2.4 The OEM software (s) (software for operation, monitoring & troubleshooting from Server /Workstation /Configuration laptop) shall be licensed to Oil India Limited with lifetime validity and the bidder will be responsible for any update in software and the software shall be made available to Oil India Limited for end of equipment cycle.
5	ANNEXURE-A: BB: SPECIAL NOTES TO BIDDERS Clause No. 2.7 page 6/30	2.7 Bidder should furnish an undertaking for providing the product / service support along with uninterrupted and timely supply of spare parts at least till ten (10) years from the date of commissioning of the last rig, for the quoted makes and models of equipment.	2.7 Bidder should furnish an undertaking for providing the product / service support along with uninterrupted and timely supply of spare parts at least till ten (10) years from the date of commissioning of the last rig, for the quoted makes and models of equipment. The period of spares supply shall be at least seven (07) years for electrical/instrumentation spares.
6	ANNEXURE-A: BB:: SPECIAL NOTES TO BIDDERS Clause No. 2.9 (Page 6 of 30)	2.9 For supply of major equipment and items (as mentioned in the Tender), the bidders should indicate the source of their brought-out items and clearly indicate the names of the Original Equipment Manufacturer for such brought out items, wherever applicable.	2.9 For supply of major equipment and items (as mentioned in the Tender), the bidders should indicate the source of their brought-out items and clearly indicate the names of the Original Equipment Manufacturer for such brought out items, wherever applicable. Bidder may provide more than one option for bought out items. However, it is required to mention the Make(s) & Models of the items at the time of bidding.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
7	ANNEXURE-A: BB:: SPECIAL NOTES TO BIDDERS GUARANTEE / WARRANTY Clause No. 5.3 (Page 6 of 30)	5.3 To keep the unit fully operational, in case of failure of any equipment / parts during the warranty period, it is the supplier's responsibility to arrange replacement / repairing at site at their own cost including custom duty, IGST, freight, etc. within a period of maximum 1 (one) week from the date of notification of such failure.	5.3 To keep the unit fully operational, in case of failure of any equipment / parts during the warranty period, it is the supplier's responsibility to arrange replacement / repairing at site at their own cost including custom duty, IGST, freight, etc. within a period of maximum 15 (fifteen) days from the date of intimation notification of such failure."
8	ANNEXURE-A: BB:: SPECIAL NOTES TO BIDDERS Clause No. 18.0 (Page 8 of 30)	18.0 INSTALLATION, COMMISSIONING, TRAINING & AMC: The Bidder should confirm the following: i) To complete assembling / installation and commissioning of all rigs, equipment and accessories in India at the locations to be specified by Oil India Limited and to the satisfaction of Oil India Limited. The broad scope of Installation and Commissioning is as mentioned elsewhere in the tender. The bidders should indicate the cost of assembling / installation and commissioning the rig in the price bid format and same shall be considered for evaluation purpose. ii) To undertake training for operational and maintenance personnel as per the scope of work defined in the tender. The broad scope of Training is as mentioned elsewhere in the tender. The bidders should indicate separately the cost of training to OIL personnel at locations in India or abroad in the price bid format and same shall be considered for evaluation purpose. Bidders to submit detailed training module clearly defining the scope, location and duration of the training along with the bid, otherwise bids will be rejected	18.0 INSTALLATION, COMMISSIONING, TRAINING & AMC: The Bidder should confirm the following: i) To complete assembling / installation and commissioning of all rigs, equipment and accessories in India at the locations to be specified by Oil India Limited and to the satisfaction of Oil India Limited. The broad scope of Installation and Commissioning is as mentioned elsewhere in the tender. The bidders should indicate the cost of assembling / installation and commissioning the rig in the price bid format and same shall be considered for evaluation purpose. ii) To undertake training for operational and maintenance personnel as per the scope of work defined in the tender. The broad scope of Training is as mentioned elsewhere in the tender. The bidders should indicate separately the cost of training to OIL personnel at locations in India or abroad in the price bid format and same shall be considered for evaluation purpose. Bidders to submit detailed training module clearly defining the scope, location and duration of the training along with the bid, otherwise bids will be rejected outright. iii) To undertake AMC as per the scope of work defined

Amendment to Technical specifications of SDG7023P25 dated 17.07.2024 - Annexure - B.

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		outright. iii) To undertake AMC as per the scope of work defined in the tender. The broad scope of AMC is as mentioned elsewhere in the tender. The bidders should indicate separately the cost of year wise AMC in the price bid format and the same shall be considered for price bid evaluation. Bidders not quoting for AMC will be rejected outright.	in the tender. The broad scope of AMC is as mentioned elsewhere in the tender. The bidders should indicate separately the cost of year wise Non Comprehensive AMC (without spares) in the price bid format and the same shall be considered for price bid evaluation. Bidders not quoting for AMC will be rejected outright.

Amendment to Technical specifications of SDG7023P25 dated 17.07.2024 - Annexure - B.

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
9	ANNEXURE-A: BB:: SPECIAL NOTES TO BIDDERS Clause No. 22.0 (Page 9 of 30)	Bidder must furnish the following undertakings from each of the Original Equipment Manufacturer(s) along with the techno-commercial bid for the listed items (ref. 11.12 of Annexure-AA). a) The OEM shall provide the maintenance / service / calibration facilities in India, for all the equipment to be supplied under the contract, as awarded by Oil India Limited. b) The bidder shall indicate the source of their bought-out items and the names of the original equipment / materials manufacturer for the major components. The OEM shall guarantee the lifetime supply (i.e., seven years in case of electronic equipment / items and ten years in case of mechanical equipment / items) of spares for all the "equipment to be supplied under the contract, as awarded by Oil India Limited. c) For all the listed equipment (ref. 11.12 of Annexure-AA), bidder should submit an undertaking from OEM as mentioned – “The OEM undertakes to enter into Annual Maintenance Contract for lifetime (i.e., seven years in case of electronic equipment / items and ten years in case of mechanical equipment / items) for all the equipment to be supplied under the contract, as awarded by Oil India Limited.””	Bidder must furnish the following undertakings from each of the Original Equipment Manufacturer(s) along with the techno-commercial bid for the listed items (ref. 11.12 of Annexure-AA). a) The OEM shall provide the maintenance / service / calibration facilities in India, for all the equipment to be supplied under the contract, as awarded by Oil India Limited. b) The bidder shall indicate the source of their bought-out items and the names of the original equipment / materials manufacturer for the major components. The OEM shall guarantee the lifetime supply (i.e., seven years in case of electronic equipment / items and ten years in case of mechanical equipment / items) of spares for all the "equipment to be supplied under the contract, as awarded by Oil India Limited. c) For all the listed equipment (ref. 11.12 of Annexure-AA), bidder should submit an undertaking from OEM as mentioned – “The OEM undertakes to enter into Annual Maintenance Contract for lifetime (i.e., seven years in case of electronic equipment / items and ten years in case of mechanical equipment / items) for all the equipment to be supplied under the contract, as awarded by Oil India Limited.”” Bidder may provide more than one option for bought out items. However, it is required to mention the Make(s) & Models of the items at the time of bidding.

Amendment to Technical specifications of SDG7023P25 dated 17.07.2024 - Annexure - B.

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
10	ANNEXURE-A: BB:: SPECIAL NOTES TO BIDDERS Clause No. 23.0 (Page 9 of 30)	i) Commissioning Spares: The offer shall include cost of commissioning spares which are to be supplied along with supply of the rig. Unutilized Commissioning spares, if any will be handed over to OIL at the end of installation/commissioning of the Rig. Commissioning spares will exclude High Speed Diesel.	i) Commissioning Spares: The offer shall include cost of commissioning spares which are to be supplied along with supply of the rig. Unutilized Commissioning spares, if any may be handed over to OIL at the end of installation/commissioning of the Rig. Commissioning spares will exclude High Speed Diesel.
11	BB: SPECIAL NOTES TO BIDDERS 29.0 PAYMENT TERMS:	29.0 PAYMENT TERMS: 80% payment of supply value will be released against supply and balance 20% after satisfactory installation & commissioning at site along with the installation & commissioning charges after adjustment of liquidated damages, if any. Bidders must confirm acceptance of the payment term while quoting. Payment towards pre-despatch inspection and training will be released after successful completion of pre-despatch inspection & training and against submission of invoice. Payment against AMC charges shall be released against submission of Invoices on quarterly basis after completion of the quarter. Note: i) Request for payment/part payment to third party (i.e., other than the party on whom the order has been placed) will not be entertained by OIL under any circumstances. The offers stipulating payment/part payment to such third party will be considered as non-responsive and such offers will be rejected. ii) Any other payment term other than above shall	NO CHANGE

Amendment to Technical specifications of SDG7023P25 dated 17.07.2024 - Annexure - B.

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		be considered as Advance Payment for which bidder(s) must refer to Clause no. 33.1 of part: CC of Annexure-A.	
12	NEW CLAUSE 29.1	--	29.1 80% payment of installation & commissioning charges will be released after spudding of 1st well and balance 20% after completion of supervisory period of 45 days of rig and its equipment after adjustment of liquidated damages, if any. Bidders must confirm acceptance of the payment term while quoting.
13	ANNEXURE-H: CC:: GENERAL NOTES TO BIDDERS Clause No. 17.(iv) (Page 8 of 84)	17.(iv) Inland transportation charges from dispatch point to designated Project Site/dump area/dump yard including loading and unloading of materials at site. The prices should be inclusive of all taxes, duties, levies etc.	17.(iv) Inland transportation charges from dispatch point to designated Project Site/dump area/dump yard including loading and unloading of materials at site. The prices should be inclusive of all taxes, duties, levies etc. Material to be despatched to designated location identified by OIL. Crane services for unloading at the designated location under the supervision of the vendors personnel will be provided by OIL.
14	ANNEXURE-H: CC:: GENERAL NOTES TO BIDDERS Clause No. 36.0 (Page 12 of 84)	36.0 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.	36.0 In the event of an order on indigenous bidder, OIL will issue Project Authority Certificate (PAC) under Deemed Export Benefit Scheme (as per Govt. Policy in vogue), where import content is declared by the bidder for availing Custom Duty benefit on the import content. The PAC will be issued in the name of the indigenous bidder including the name of the sub-vendors as declared in their offer or as per the format issued by competent authority at time of placement of order.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
15	GENERAL TERMS AND CONDITIONS (GTC-1) OIL'S BOOKLET REF. MM/ GLOBAL/E-01/2005 SECTION – 'C' SPECIAL TERMS & CONDITIONS FOR INDIAN BIDDERS Page 31-32	8.1 Indian Bidders are permitted to bid in any currency (including Indian Rupees) and receive amount in that currency. However, currency of bid will not be allowed to be changed after bid opening. Since Indian bidders are allowed to quote in any currency, OIL will not compensate for any exchange rate fluctuation in respect of the purchase finalised under this tender.	8.1 Domestic bidders are to quote and accept their payment in Indian currency; Indian agents of foreign suppliers are to receive their agency commission in Indian currency; costs of imported goods, which are directly imported against the contract, may be quoted in foreign currency (currencies) and paid accordingly in that currency; and the portion of the allied work and services, which are to be undertaken in India (like installation and commissioning of equipment) are to be quoted and paid in Indian currency.

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AMENDMENT TO ITEM SPECIFICATIONS AND DETAILED SCOPE OF WORK, ANNEXURE –AA

Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
SECTION – 1: MAST & SUBSTRUCTURE AND CROWN BLOCK			
1	Clause No.: 1.1 (Page 2 of 21)	MAST & SUBSTRUCTURE AND CROWN BLOCK: MAST: One (1) BOOTSTRAP type Mast comprised mainly of Crown Assembly, Mast Sections , Racking Board, Ladder Climbing Assist & Safety Assembly, Tong Counter Weight Assembly, Ladder & Platform Assembly, Casing Stabbing Board ,Stand Pipe & support Assembly, Deadline Anchor & mounting Assembly and other structure equipment. “Mast Section shall be designed to meet the transportation dimensions (Ref. to SECTION 12 Transport dimension & Weight Limitation) “ .	MAST & SUBSTRUCTURE AND CROWN BLOCK: MAST& SUBSTRUCTURE: One (1) BOOTSTRAP type vertical erection Mast & Crown Assembly and Column Box structured Substructure as per rated load & specification . NOTE : a.).Technical specification document/ catalogue containing all data /information as required for Mast , Crown Block & Sub-structure in Tender clauses & General arrangement diagram with dimensions need to be submitted . b). Mast & Substructure Section shall be designed to meet the transportation dimensions (Ref. to SECTION 12 Transport dimension & Weight Limitation) “ .
2	Clause No.: 1.1.1 (Page 3 of 21)	Rated Hook Load :: 1500,000 lbs (750 Short Ton) with 14 lines strung	Rated Hook Load :: 1500,000 lbs (750 Short Ton) with 14 lines strung
		Design requirement , Certification and monogramming :: In accordance of API 4F , 5th edition , PSL 2 , SSL - E2 U2 & monogrammed	Design requirement , Certification and monogramming :: In accordance of API 4F , 5th edition , PSL 2 , SSL - E2 U2 & monogrammed
		Supplementary requirement :: SR2 SR3	Supplementary requirement :: SR3 - Data book shall be prepared & shall include all the data as specified under supplementary requirement of API-4F . Validation & verification of designed structure as specified in API-4F 5th edition.
		Mast Type :: Bootstrap type	Mast Type :: Bootstrap Vertical Erection

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		Mast Raising :: The mast section raising system includes hydraulic winch /Cylinder with Guide / pulley arrangement for picking up and vertical assembly of each mast section	Mast Raising :: Winch or Hydraulic Cylinder with Guide / pulley arrangement for picking up and vertical assembly of each mast section
		Mast clear height :: Between 156-158 ft.	Mast clear height :: Between 156-158 ft.
		Width of base :: 30 – 35 ft.	Width of base :: 30 – 35 ft.
		Max wind load capacity (No load at set back) :: 100 mph	Max wind load capacity (No load at set back) :: 86 mph
		Max wind load capacity with rated set back :: 85 mph	Max wind load capacity with rated set back :: 69 mph
3	Clause No.: 1.1.2 (Page 3 of 21)	Mast Levelling equipment comprises Jacks, Hand pump, Hose and required shim packs for each leg of the Mast.	Mast Levelling equipment comprises Jacks, Hand pump, Hose and shim packs as required

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
4	Clause No.: 1.1.5 (Page 3 of 21)	Access platform : Access platform (fold up) with safety belt rope connecting loop to be provided at: a) Standpipe gooseneck connection (folded platform at all the Hammer union joint positions of Stand- Pipe). b) Tong counter weights c) Dead Line Anchor d) Racking Board Access and Derrick Man escape platform e) BOP Service Platform Page 4 of 21 All platforms with gratings, square tubing handrail with self-closing barriers, connecting point for safety belt. Kick plates / toe boards around all working platforms in mast. Foldable type where possible.	Access platform : Access platform (fold up) with safety belt rope connecting loop to be provided at: a. Standpipe gooseneck connection b. Tong counterweight position c. Deadline Anchor if it is height from floor. d. Racking Board Access and Derrick Man escape platform e. BOP Service Platform All platforms with chequered plate/ bar grating/ fiberglass, square tubing handrail with self-closing barriers, connecting point for safety belt. Kick plates / toe boards around all working platforms in mast. Foldable type where possible.
5	Clause No.: 1.1.9 (Page 4 of 21)	Travelling Block Hanging Line: One (1) block hanging line of suitable size, capacity and length with adequate safety factor to hold the combined load of travelling block and TDS when slipping drill line, c/w all accessories.	Travelling Block Hanging Line: One (1) block hanging line of suitable size, and length with nominal strength 2.5 times the maximum design load to hold the combined load of travelling block and TDS during slipping of drilling line.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
6	Clause No.: 1.2 (Page 6 of 21)	SUBSTRUCTURE: Box & Box type Column substructure designed and manufactured in accordance specification, standard & capacity as mentioned in respective sections Note: a) Technical specification document/ catalogue containing all data /information as required for Sub-structure in Tender clauses & Tentative Schematic diagram of general arrangement in Sub-structure with dimension. b) The substructure shall be designed to meet the transportation dimensions. Ref. to Section 12 Transport Dimension & Weight Limitation .	Box & Box type Column substructure designed and manufactured in accordance specification, standard & capacity as mentioned in respective sections
7	Clause No.: 1.2.1 (Page 6 of 21)	Substructure: Specification & Features	
		Design and monogrammed :: In accordance with API Spec 4F – 5th edition , PSL2,	Design and monogrammed :: In accordance with API Spec 4F – 5th edition , PSL2,
		Substructure Type :: Box & Box structure	Substructure Type :: Box & Box structure
		Sub structure Raising :: Vertical erection / cylinder raise	Sub structure Raising :: Assemble components vertically
		Floor Height :: Minimum 35 ft.	Floor Height :: Minimum 35 ft.
		Rotary clear Height :: 29- 30 ft.	Rotary clear Height :: Minimum 30 ft
		Minimum Floor Dimension :: Minimum Length 37 Ft x Minimum Width 45 Ft (Excluding the Doghouse and Tool Room)	Minimum Floor Dimension :: Minimum Length 37 Ft x Minimum Width 45 Ft (Excluding the Doghouse and Tool Room)

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
8	Clause No.: 1.2.3 (Page 6 of 21)	Additional to above (clause 1.2.2) Substructure to accommodate following : Hydraulically operated BOP handling unit of 75 Ton Rotary table with electric drive Rig Floor equipments Drillers cabin , Page 7 of 21 Dog house, crew hut / tool room (In out riggers) Accommodation for mouse hole Two hard raft of timber of thickness 2-3 " over front setback flooring for racked pipe. Note : Draw works is designed to be on ground and pinned to base boxes	Additional to above (clause 1.2.2) Substructure to accommodate following : Hydraulically operated BOP handling unit of 75 Ton Rotary table with electric drive Rig Floor equipments Drillers cabin , Dog house, crew hut / tool room (In out riggers) Accommodation for mouse hole Two hard raft of timber of thickness 2-3 " over front setback flooring for racked pipe.
9	Clause No.: 1.3 (Page 7 of 21)	CROWN BLOCK: One (1) Minimum 750 MT capacity Crown Block Assembly conforming to API Specification 4F for 1 ¾" or 1 5/8" Drilling line. Crown frame fabricated from high strength steel shapes and plates.	Crown Block of capacity of minimum 1715 ,000 LBS conforming to API Specification 4F 5th edition for 1 ¾" or 1 5/8" Drilling line. Crown frame fabricated from high strength steel shapes and plates. Note : Crown capacity is based on Static Hook Load and load on Fast & Dead line.
10	Clause No.: 1.3 .1 (Page 7 of 21)	Working cluster consisting of Seven (7) no of 60" diameter sheaves, grooved for 1-5/8" / 1-3/4" wireline. The working cluster is skewed to offset traveling block twist. • One no of minimum 60" diameter fast line sheave, grooved for 1-5/8" / 1-3/4" wireline. • Deadline sheave, is optional • All sheaves are mounted on heavy duty double row tapered roller bearings with bearing retention system. • Shafts are drilled for individual bearing lubrication. • Sheave Line guards & sheave guards. Sheaves to be manufactured and monogrammed as per API 8C, PSL-2, latest edition.	Working cluster consisting of Seven (7) 60" sheaves, grooved for the 1-5/8"/ 1-3/4" wireline. The working cluster is skewed to offset traveling block twist. • One of set 60"or more fast line sheave, grooved for 1-5/8" / 1-3/4" wireline. • One Deadline sheave, is preferable • All sheaves are mounted on heavy duty double row tapered roller bearings with bearing retention system. • Shafts are drilled for individual bearinglubrication. • Sheave Line guards & sheave guard . Sheaves to be manufactured and monogrammed as per API 8C, PSL-2, latest edition

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
11	Clause No.: 1.3 .5 (Page 7 of 21)	Crown safety platform with checker plate flooring handrails of at least 3.6 ft height and toe plates, safety gate at ladder opening, and frame lifting eyes.	Crown safety platform with checker plate / bar grating /fiberglass / grip strut flooring and handrails of at least 3.6 ft height and toe plates, safety gate at ladder opening, and frame lifting eyes.
12	Clause No.: 1.3 .7 (Page 7 of 21)	Jib crane & pulley arrangement or other Suitable arrangement for handling crown block sheaves.	Jib crane &pulley arrangement for handling / servicing crown block sheaves.
13	Clause No.: 1.5.4 (Page 9 of 21)	Two (2) strong pull back post on either side of the V-door with safety gates.	Two (2) no of pull back post on either side of the V- door with safety gates.
14	Clause No.: 1.5.6 (Page 9 of 21)	All Stairs shall have chequered plate steps with anti-skid metal strip & removable hand rails. Stair width: 4'	All Stairs shall have chequered plate/ bar grating/ fiberglass/grip strut steps with anti-skid metal strip &removable hand rails. Stair width: 1m
15	Clause No.: 1.6.1 (Page 9 of 21)	AUTOMATED CATWALK/HYDRAULIC CATWALK:	POWER CATWALK/HYDRAULIC CATWALK

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		Power Catwalk consisting of Catwalk, Pipe rack, Carrier, V-door rack, fully automated control system with additional Remote-control unit(s), Hydraulic unit for power catwalk system and other associated items. HYDRAULIC CATWALK: FEATURE 1. One (1) Hydraulic Catwalk suitable for Rig floor height (minimum 35 Ft). 2. It should be capable of handling pipes (Drill pipes, Drill Collars, Casing and Tubing) of diameter 2 3/8" to 26" including 10" drill collars. Bidder to indicate Cycle speed of hydraulic catwalk. 3. Remotely operated hydraulic Gull wings shall be provided on both sides for aiding in the process of handling tubular from both sides. 4. The unit complete with Pipe Indexers, hydraulic levelling jack, Tubular lay down shovel, emergency stop button strategically placed shall be provided. 5. V-door ramp functionality shall be maintained if Hydraulic catwalk control system is not working. Technical Specification: Lifting capacity: 10,000 lbs. 1. Tubular range: Drill Pipe (2 3/8" thru 6 5/8" OD). Drill Collars : Up to 10" OD. Casing Size: Upto 20" OD Maximum Pipe length : 45 ft Cycle Speed : Not more than 20 sec 2. The unit shall also have provision for wireless remote operation control as well as from the unit. 3. Catwalk should have an inbuilt system to	One Power Catwalk capable to handle various sizes of tubulars & casings, subs consisting of Catwalk, Pipe rack, Carrier, V-door rack, and other associated components and designed to be operated remotely from Drillers Cabin as well from Ground Hydraulic unit for power catwalk system and other associated items. HYDRAULIC CATWALK: FEATURE 1. One (1) Hydraulic Catwalk suitable for Rig floor height (minimum 35 Ft). 2. It should be capable of handling pipes (Drill pipes, Drill Collars, Subs, Casing and Tubing) of diameter 2 3/8" to 24" including drill collars up to 10 Inch. 3. Remotely operated hydraulic Gull wings shall be provided on both sides for aiding in the process of handling tubular from both sides. 4. The unit complete with Pipe Indexers, hydraulic levelling jack, Tubular lay down shovel, emergency stop button strategically placed shall be provided. 5. V-door ramp functionality shall be maintained if Hydraulic catwalk control system is not working. Technical specification : 1. Lifting capacity: 10,000 lbs. 2. Tubular range: Drill Pipe (2 3/8" to 6 5/8" Pipe body OD). Drill Collars : Up to 10" OD. Casing Size: Upto 24" OD 3. Maximum Pipe length : 45 ft 4. Cycle time : Approx 20 sec (Moving pipe in and out from Catwalk not included) The unit shall also have provision for wireless remote operation control. V door Ramp can be used as conventional V door if required. V door shall be hinged to catwalk. Stand alone hydraulic unit for Hydraulic power The hydraulic catwalk should be designed to

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		automatically measure pipe lengths and input to drilling control system for making pipe tally automatically. 4. V door Ramp can be used as conventional V door if required. V door shall be hinged to catwalk. 5. The hydraulic catwalk should be designed to facilitate ease of transportation so that the overall dimensions of individual components meet the transportation dimensions (Ref. to SECTION 12 Transport dimension & WEIGHT Limitation) . Note: 1. Pipe Racks with indexers to transfer tubular to and from either side of the catwalk. 2. Tubular Handling capabilities of hydraulic carrier: Carrier to allow presentation of tubular to drill floor at correct angle and height to facilitate a safe and efficient transfer to and from the elevator. Carrier to have safety pins that engage automatically to prevent inadvertently rolling off of tubular from carrier with separate hydraulic power unit. 3. Fully automated control system with safety features and additional remote control unit to be operable from a safe distance.	facilitate ease of transportation so that the overall dimensions of individual components meet the transportation dimensions (Ref. to SECTION 12 Transport dimension & WEIGHT Limitation) . NOTE : 1--Pipe Racks with indexers to transfer tubular to and from either side of the catwalk. 2--Tubular Handling capabilities of Hydraulic Catwalk: Carrier to allow presentation of tubular to drill floor at correct angle and height to facilitate a safe and efficient transfer to and from the elevator. Catwalk to have safety pins that engage automatically to prevent inadvertently rolling off of tubular from carrier with separate hydraulic power unit.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
16	Clause No.: 1.6.2 (Page 11 of 21)	RIG WALKING SYSTEM Hydraulic cylinder actuated Lift & slide Rig Walking system for inter well movement in forward , backward & side to side move (360 deg rotation) of the Rig with full setback & drilling equipment. System Control & operation from stand alone hydraulic unit or other HPU with option of wireless control . Walking speed should be in the range 10 mt –15mt /hr & total rig move in one setup should be interwell spacing of cluster location based on rig design both in X & Y Direction.	RIG WALKING SYSTEM Set of Hydraulic cylinder actuated Lift & slide Rig Walking system for inter well movement in forward , backward & side to side move of the Rig with full setback & drilling equipment. System Control & operation from stand alone hydraulic unit or Rig HPU with option of wireless control . Walking speed should be in the range 10 mt –15mt /hr& total rig move in one setup should be interwell spacing of cluster location based on rig design both in X & Y Direction. Note : Recommended ground condition for movement of the Rig to be mentioned in the catalogue / technical brochure .
17	Clause No.: 1.7 (Page 11 of 21)	DOG HOUSE & DRILLER CABIN AND TOOL ROOM – Suitably designed to accommodate in the specified Drill-floor layout .	Point No 10 : Clarification :: CR is a typographical error. Please read as CLEAR
18	Clause No.: 1.8 (Page 13 of 21)	Hydraulic Cylinder / Winch for lifting & erection of Mast component . Specification of Hydraulic winch/ cylinder along with Guide & pulley arrangement are not specified here . Specification & position of these units will be as per manufacturers design & specification . Specification will be framed post pre-bid meeting	Hydraulic Cylinder / Winch along with Guide & pulley arrangement are not specified here . Specification & position of these units will be as per Rig OEM's design & specification.
19	Clause No.: 1.10 (Page 13 of 21)	5" x 7500 psi Dual Standpipe : Dual 5" x 7500 psi standpipe of suitable length, clamped to Mast in off-drillers side each complete as follows-	7500 psi Dual Standpipe : Two no of 4" ID x 7500 psi standpipe of suitable length as designed for the rig by OEM clamped to the Mast in off-drillers side each complete as follows

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
20	Clause No.: 1.10.1 (Page 14 of 21)	5" Fig 1003, 7500 psi butt weld hammers union at bottom connection, standard service. 5" Fig 1002, 7500 psi butt weld hammers union at top connection, standard service.	5" Fig 1003, 7500 psi butt weld hammers union at bottom connection, standard service. 5" Fig 1002 / 1003 7500 psi butt weld hammers union at top connection, standard service.
21	Clause No.: 1.10.2 (Page 14 of 21)	5" x 7500 psi gooseneck suitable for 5" Rotary Hoses .	7500 psi gooseneck suitable for 4" ID Rotary Hoses.
22	Clause No.: 1.14 (Page 16 of 21)	ROTARY HOSE:	ROTARY HOSE:
23	Clause No.: 1.14.1 (Page 16 of 21)	Two (2) no of 3 ½" / 4" ID , 7500 PSI Working Pressure rating , Grade E , Manufactured & monogramed in accordance with API 7K Rotary Hoses with 5" Fig 1002 Integral Union (Male x Female) to be connected with Stand-pipe gooseneck at one end . The other end with 5"/ 4" x Fig 1002 union to be connected with TDS gooseneck . The Hoses should come with Safety Clamp & Chain (on both ends) with lifting collar of suitable length . Connection of Hoses shall matched with TDS gooseneck union connection .	Two (2) no of 4" ID , 7500 PSI Working Pressure rating , Grade E , Manufactured & monogramed in accordance with API 7K Rotary Hoses with 5" Fig 1002 Integral Union (Male x Female) to be connected with Stand-pipe gooseneck at one end . The other end with 5"/ 4" x Fig 1002 union to be connected with TDS gooseneck . The Hoses should come with Safety Clamp & Chain (on both ends) with lifting collar of suitable length . Connection of Hoses shall matched with TDS gooseneck union connection.
24	Clause No.: 1.15.1 (Page 16 of 21)	FLOW LINE Two 12 inch diameter x 10 ft long pipe to be connected for flow line come out from off-drillers side & headed to flow divider of Shall shaker.	FLOWLINE Mud Flow line from Bell nipple to flow divider of Shale shaker unit consist of connected pipes of approx. 12-inch

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
			diameter and of suitable length in each sections . To make arrangement for cleaning depositions in the flow line .
25	Clause No.: 1.16.2 (Page 17 of 21)	A minimum of four (4) lifting rings/slots for each section of the drill floor panel to be provided.	Lifting rings/slots for each section of the drill floor panel to be provided.
26	Clause No.: 1.16.4 (Page 17 of 21)	Spill containing seal arrangement surrounding the Rig floor with drain towards Bell-nipple area . Rotary table should have The arrangement shall be surrounding the Rig floor , between sections of rig flooring where Rotary table to have a 1-2” gap around perimeter covered with bar grating for drainage to bell nipple .	Spill containing seal arrangement surrounding the Rotary Table and Rig floor with drain towardsBell-nipplearea.The containment system shall be covered with checkered plate/bar grating
27	Clause No.: 1.16.6(Page 17 of 21)	Two strong pull back post on either side of the V- door with two safety chains.	Two pull back post on either side of the V- door with two safety chains.
28	Clause No.: 1.17(Page 17 of 21)	ANTI-SLIP MATING:	ANTI-SLIP MATING:
29	Clause No.: 1.17.1 (Page 17 of 21)	One (1) Set of anti-slip vinyl / rubber matting (minimum thickness 8 mm) fixed over Rotary Table around Master Bushing and around 3 feet (914 mm) circumferentially on floor all along the rotary table.	One (1) Set of anti-slip vinyl / rubber matting (minimum thickness 8 mm) fixed circumferentially on floor all along the rotary table . Additionally the mating shall also cover the area from Draw-works to Mouse Hole
30	Clause No.: 1.24 (Page 19 of 21)	DRILLING/CASING LINE:	DRILLING/CASING LINE:
31	Clause No.: 1.24.1 (Page 19 of 21)	One (1) reel / spool of 1 ¾” or 1 5/8” Drilling line 6x 26 construction Right Regular Lay, IWRC, ungalvanized , MBL 1350 KN length approximately 2300 M (7500 ft), conforming to API Spec. 9A latest edition & with API monogram embossed.	One (1) reel / spool of 1 ¾” or 1 5/8” Drilling line6x 26 / 6 x 36 construction Right Regular Lay, IWRC, ungalvanized, MBL 1350 KN length approximately 2300 M(7500ft),conforming to API Spec.9A latest edition & with API monogram embossed.
32	Clause No.: 1.25 (Page 20 of 21)	CASING LINE SPOOLER:	CASING LINE SPOOLER:

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
33	Clause No.: 1.25.1 (Page 20 of 21)	One (1) electrical motor / Hydraulically operated drilling line spooler designed to spool, unspool and store drilling line of 1 ¾" or 1 5/8" diameter of approx. length 2300 M (75,000 ft.),. Skid mounted with all accessories and operating panel . Has solid shaft with heavy duty drive plate Easily removable drum Hydraulic power from Rig HPU / Standalone unit if applicable In case of electrical drilling line spooler, electric motor & control panel shall have Ex. Certification for use in hazardous areas of drilling rigs. For details refer to section 9 (Electrical systems).	One(1) electrical motor / Hydraulically operated drilling line spooler designed to spool, unspool and store drilling line of 1 ¾" or 1 5/8" diameter of approx. length 2300 M (7500 ft.),. Skid mounted with all accessories and operating panel . Has solid shaft with heavy duty drive plate. Easily removable drum Hydraulic power from Rig HPU/Standalone unit if applicable In case of electrical drilling line spooler, electric motor & control panel shall have Ex.Certification for use in hazardous areas of drilling rigs.For details refer to section9 (Electrical systems).
1	Clause No.: 1.11.1(Page 14 of 21)	Five (5) Nos. of 4" flanged gate valves Max WP 7500 Psi	Five (5) Nos. of 5" flanged gate valves Max WP 7500 Psi
2	Clause No.:1.11.3 (Page 14 of 21)	Two (2) 4" x 4" long sweep full flow TEE (Sch.160)	Two (2) 5" x 5" long sweep full flow TEE. (MWP 7500 psi)
3	Clause No.: 1.11.4 (Page 14 of 21)	Four (4) 4",7500 PSI (527 kg/sq-cm) WP misaligning union fig 1003 for standard service	Four (4) 5",7500 PSI (527 kg/sq-cm) WP misaligning union fig 1003 for standard service
4	Clause No.:1.11.5 (Page 14 of 21)	Ten (10) RTJ weld neck flanges 4" 7500 PSI (527 kg/sq-cm) bored for 4" SCH. 160 pipe with ring gaskets.	Ten (10) RTJ weld neck flanges 5" 7500 PSI (527 kg/sq-cm) bored for 5" 7500 psi pipe with ring gaskets.
5	Clause No.:1.11.6 (Page 15 of 21)	Two (2) 4"x 2" threads lets for pressure gauge and mud service connection with 2" screwed end gate valves Max WP 7500 Psi	Two (2) 5"x 2" threads lets for pressure gauge and mud service connection with 2" screwed end gate valves Max WP 7500 Psi
6	Clause No.: 1.11.13 (Page 15 of 21)	Forged reducing block Tee, 4" x 2" for cementing purpose	Forged reducing block Tee, 5"x2" for cementing purpose.
7			
8	Clause No.: 1.13.1(Page 16 of 21)	Three (3) number 3.1/2" or 4" ID x 5 Ft, vibratory hose Grade E, 7500 PSI WP AND 11250 PSI TP with Fig 1003 integral union (male & female	Two (2) number 4" ID x 5 Ft, vibratory hose Grade E, 7500 PSI WP AND 11250 PSI TP with Fig 1003 integral union (male & female

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		welded) & hose hobbles (both ends). Manufactured & monogrammed according to API 7K.	welded) & hose hobbles (both ends). Manufactured & monogrammed according to API 7K.
		SECTION – 2: HOISTING & ROTARY SYSTEM	
1	Clause No.: 2.1.A.4 (Page 2 of 15)	Remote controlled pipe handler assembly	Remote controlled (operated from TDS control system in Drillers cabin) pipe handler assembly
2	Clause No.: 2.1.A.6 (Page 3 of 15)	Integrated Top drive Driller 's console for all functions of TDS	Top Drive Control integrated into the Drilling control system in Drillers console
3	Clause No.: 2.1.A.15 (Page 3 of 15)	Top Drive Hydraulic Power Unit (HPU): Preferably on-board the TDS.	Top Drive Hydraulic Power Unit (HPU):On board / off-board . In case of off-board standalone HPU need to provide.
4	Clause No.: 2.1.5 (Page 6 of 15)	CASING RUNNING TOOL (CRT): One (1) Casing Running Tool (Preferred Make: National Oilwell Varco, Baker Hughes, Tesco or Weatherford), for lowering casing of sizes 4-½” to 13-3/8” by connecting to the Top Drive System main shaft. The casing running tool (CST) should be able to hoist, lower, spin out and make up the casing connection. It should also have the ability to fill up and rotate the casing string while circulating.	Sets of Casing Running Tool with required components for lowering casing of sizes 4-½” to 20” by connecting to the Top Drive System main shaft. The casing running tool (CST) should capable of simultaneous reciprocation , rotation and circulation apart from make up and break-out of casing joints through TDS power. The system should combine with torque/turn monitoring and data storing device . # Weight compensator . # Operating from Drillers control room
5	Clause No.: 2.1.5.6 (Page 6 of 15)	Hydraulic / Air Swivel	Hydraulic / (AirSwivel – Not required)
6	Clause No.: 2.1.5.9 (Page 7 of 15)	Hydraulic Controls and Hydraulic Power Unit preferably to be Rig central Hydraulic unit	Hydraulic Controls and Hydraulic Power Unit either from standalone Hydraulic unit or Rig central Hydraulic unit
7	SPECIFICATION:		

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
8	Clause No.: 2.1.5.12 (Page 7 of 15)	Casing Size :: 4-½"to13-3/8"	Casing Size :: 4-½ inchto20 inch
9	Clause No.: 2.1.5.13 (Page 7 of 15)	Fill Up and Circulation :: 4.1/2"to13-3/8" Fillup&circulation	Fill Up and Circulation :: 4-½ inchto20 inch
10	Clause No.: 2.1.5.15 (Page 7 of 15)	Rotational Speed :: 0–40RPM	Rotational Speed :: Upper limit 100 RPM or more
11	Clause No.: 2.1.5.17 (Page 7 of 15)	Maximum Torque :: 35,000ft.-lbs.	Maximum Torque :: 60,000 to 65,000 ft-lbs.
12	Clause No.: 2.1.5.18 (Page 7 of 15)	Compensator Capacity @ 90 psi air supply :: 8,500lbs(3,900Kg)	DELETED
13	Clause No.: 2.1.5.19 (Page 8 of 15)	Link Tilt out distance :: 15ft.(4.5m)	Link Tilt out distance :: Minimum 14 ft
14	Clause No.: 2.1.10.2 (Page 9 of 15)	One (1) pair of 750 Ton Capacity Weld less Links, 3-1/2" x 168" (89 mm x 4267 mm)	One(1) pair of 750Ton Capacity Weldless Links, 4-3/4" x168"(120.6mmx4267mm)
15	Clause No.: 2.1.10.4 (Page 9 of 15)	One (1) pair of 750 Ton Capacity Weld less Links, 3-1/2" x 132" (89 mm x 3352.8mm)	One(1) pair of 750Ton Capacity Weldless Links, 4-3/4"x168"(120.6mmx4267mm)
16	Clause No.: 2.1.11.1 (Page 9 of 15)	i) Wash pipe assembly with Repair kit ii) TDS saver sub (NC50) iii) Hydraulic oil filter iv) Gear oil filter v) Upper & Lower IBOP assembly with repair kit. Note: Quantity as per Section-14 (Mandatory Spares)	i) Wash pipe assembly with Repair kit as per OEM ii) TDS saver sub(NC50) iii) Hydraulic oil filter iv) Gear oil filter v) Upper & Lower IBOP assembly with repair kit. Note: Quantity as per Section-14 (Mandatory Spares)
17	Clause No.: 2.3 (Page 10 of 15)	AC-E-3000 DRAWWORKS: (In Ground platform)	AC-E-3000DRAWWORKS:

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
18		One (1) 3000 HP AC variable frequency drive (VFD) , single speed gear driven Draw-Works conforming to API 7K. · Primary/dynamic braking to be performed with AC motors by dissipating power into braking resistors. The motor and frequency drive should be capable of holding full load at zero speed. · High capacity air and/or water cooled multiplate Disc brake unit to provide dynamic tensioning, static holding and emergency stopping (fail-safe braking system) coupled to Drum Shaft ends and secured to the Drum frame. · Mounted on heavy duty self-supporting steel structure (oil field skid) capable of holding all the loads of the Draw-works . The skid will be mounted on ground platform pinned to the bottom box of sub-structure (optional , as per manufacturers design) . Apart from main Draw-works, multiplate disc brake , hoisting motors and local control & monitoring system (where applicable) will be mounted on the main skid and will be transported as	• One (1) 3000 HPAC variable frequency drive (VFD) , single speed or two speed gear driven Draw-Works conforming to API 7K latest edition. The motor and frequency drive should be capable of holding full load at zero speed. • Primary/dynamic braking to be performed with AC motors by dissipating power into braking resistors. The motor and frequency drive should be capable of holding full load at zero speed. • High capacity air and/or water cooled multiplate Disc brakeunit toprovide dynamic tensioning, static holding and emergency stopping (fail-safe braking system) coupledto Drum Shaft ends and secured to the Drum frame. • Mounted on heavy duty self-supportingsteel structure (oil field skid) capableof holding all the loads of the Draw-works . The skid will be mounted on intermediate flooring/ platform between ground and rig floor pinned to the sub-structure.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		One unit without dismantling of any component • Force lubrication system for bearings and Force/ splash lubrication for all the gears . The system will include but not limited to pump unit , Oil filter , heat exchanger ,gauges & other monitoring equipment . The lubrication system should have redundancy • Gear Box – Two single speed reduction gear box. • Air Intensifier – An Air intensifier system at suitable position to ensure that the recommended pressure & flow rate of Air is maintained to Draw-works • Draw-works control system software should include following minimum function : i. Monitoring & control of break & lube oil system. ii. Dynamic floor & crown saver iii. Slip & cut function (Bidder to refer SECTION 12 Transport dimension & WEIGHT Limitation of the draw works so that draw works can be transported as a single unit with disc brake) Note: Following spares to be supplied with the rig. 1) Operational spare for lubrication system including pump 2) Disc brake repair kit Note: Quantity as per Section-14 (Mandatory Spares)	• The Draw-works flooring designed to have 3 meter (approx.. 9.85 ft) clear height from ground and shall move with the Rig during Rig walk. ** This is required to move the structure over well head. • Force lubrication system for bearings and Force/ splash lubrication for all the gears . The system will include but not limited to pump unit , Oil filter , heat exchanger ,gauges & other monitoring equipment . The lubrication system should have suitable redundancy. • GearBox–One or two no of reduction gear box as designed for the rated power & performances of draw-works. • Air Intensifier – An Air intensifier system at suitable position to ensure that the recommended pressure & flow rate of Air is maintained to Draw-works • Draw-works control system software should include following equipment monitoring system : i. Monitoring & control of break & lube oil system. ii. Dynamic floor & crown saver iii. Slip & cut function Note :Bidder to refer SECTION 12 Transport dimension & WEIGHT Limitation of the draw works . In case the Draw-works dimension & weight is beyond the transport limiting

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
			value the OEM should design the Draw-works to split in two components in such a way that the assembly/ disassembly for road transportation shall be easy and will not affect the performance of the components) . The Bidder need to submit details of Draw-works in split scenario with diagram in bid submission. The successful bidder needs to get approval of the design before releasing order . Note: Following spares to be supplied with the rig. 1. Operational spare for lubrication system including pump 2. Disc brake repair kit

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
19	Clause No.: 2.3 .7(Page 12 of 15)	Transmission :: Direct gear drive. Two single speed reduction Gear box	Transmission :: Direct gear drive. The double reduction helical gear box. A single unit of gear box assembly or two unit of gear box at both ends of drum shaft as designed for rated power & performances.
20	Clause No.: 2.4(Page 13 of 15)	ROTARY TABLE & DRIVE SYSTEM	ROTARY TABLE & DRIVE SYSTEM
21	Clause No.: 2.4.2 (Page 13 of 15)	Static Load Rating :: 680 MT (15,00,000 lbs)	Static Load Rating :: 650 ton (1300,000 LBS). The table shall capable of 750 ton (1500,000 LBS) of casing load when using Casing spider (not using the Rotary table bushing)
22	Clause No.: 2.4.4 (Page 13 of 15)	Centre line spacing :: 53.1/4" (1352.55 mm)	Ignore the clause
23	Clause No.: 2.5.3 (Page 14 of 15)	Brake system :: Disc brake	Brake system :: Disc / Air clutch Brake
		SECTION-3 : PIPE HANDLING SYSTEM	
1	Clause No.: 3.1.4.1 (Page 2 of 7)	Tubular OD :: 3½ to 9. 3/4"	Tubular OD (pipe body) :: 3-1/2 inch to 9-3/4inch Connection OD :: 4 inch to 9-3/4 inch
2	Clause No.: 3.1.4.6 (Page 3 of 7)	Horizontal Adjustment :: 95" (Min.)	Horizontal Adjustment :: 95 inch (between min. & max)
3	Clause No.: 3.1.4.8 (Page 3 of 7)	Connection Height :: 30" to 66"	Connection Height (Min to Max) :: 30 to 66 inch
4	Clause No.: 3.1.5 (Page 3 of 7)	Positioning Pre-set: Well centre, Mouse hole, Wait on tool joint and Parking	DELETED
5	Clause No.: 3.2 (Page 3 of 7)	CATWALK WITH RUNNERS (PIPE RACKS):	COVERED UNDER CLAUSE 1.6.1

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
6	Clause No.: 3.3 (Page 5 of 7)	HYDRAULIC POWER SLIP:	HYDRAULIC POWER SLIP:
7	Clause No.: 3.3.2 (Page 5 of 7)	The product shall be conforming to API-7K and API monogrammed.	The product must conform to API-7K 5th edition and API monogrammed.
8	Clause No.: 3.3.6.2 (Page 5 of 7)	Load Rating :: 650 Ton	Load Rating :: 500 Ton
9	Clause No.: 3.4 (Page 5 of 7)	HYDRAULIC CATHEAD: (2 Nos.)	HYDRAULIC CATHEAD: (2 Nos.)
10	Clause No.: 3.4.3.2 (Page 5 of 7)	Single Line Pull :: 32900 lbs minimum @ 2000PSI	Single Line Pull :: Not less than 32000 LBS @ 2000 psi
11	Clause No.: 3.4.3.5 (Page 5 of 7)	Working Pressure :: 2500 psi minimum	Working Pressure :: Minimum 2000 psi
12	Clause No.: 3.6 (Page 6 of 7)	VERTICAL PIPE HANDLING SYSTEM :	VERTICAL PIPE HANDLING SYSTEM :
13	Clause No.: 3.6.1 (Page 6 of 7)	Pipe handling system for performs all vertical pipe handling operations on the drillfloor, including racking stands in & out from finger board to well centre & Mouse hole , picking up singles from the V-ramp & laying down , The machine should have be operated in auto-mode, manual mode. To handle all types of pipe, including production tubing, drillpipe, casing, and spiral drill collar. Using AC technology or hydraulic .	Pipe handling system performs all vertical pipe handling operations on the drill floor, including racking stands in & out from finger board to well centre& Mouse hole, picking up singles from the V-ramp & laying down ,The machine should be operated in auto-mode (manual confirmation in between steps of operation), manual mode.To handle all types of pipe, including production tubing, drillpipe, casing, and spiral drill collar. UsingAC technology or hydraulic .
		SECTION-4: MUD SYSTEM	
	Clause 4.1	COMMON MANDATORY SPARES FOR FIVE RIGS: As per Annexure AA (Mandatory Spares)	COMMON MANDATORY SPARES FOR 3000 HP RIG: As per Section 14 (Mandatory Spares)

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
1	Clause No. 4.1.2.1	Rated max. input HP 1,600 HP (1,641 kW)	Rated max. input HP 1600 HP (1193 Kw)
2	Clause No.: 4.1.3.6	Modules should be individual, 2 (two) piece, 'L' shaped, separate, forged alloy steel (AISI 8630 / 4130 /equivalent), autofrettage, and completely interchangeable. Modules should be of 7500 psi rating with valve pots conforming to API Mod 7. Modules should be separate for both suction and discharge.	Modules should be individual, 2 (two) piece, 'L' shaped, separate, forged alloy steel (AISI 8630 / 4130 /equivalent), and completely interchangeable. Modules should be of 7500 psi rating with valve pots conforming to API Mod 7. Modules should be separate for both suction and discharge.
3	Clause No.: 4.1.3.7	Fast change type screwed valve covers/Hydraulic valve cover system.	Fast Change Type Screwed Valve Covers (Manual/Hydraulically operated).
4	Clause No.: 4.1.3.19	One complete valve seat puller assembly suitable for above mentioned valve seat and one set of special hand tools for fluid end maintenance (i.e. valve pot tool, wrench for valve cover, for studs on the hydraulic cylinders, liner bushing puller plate, strainer cross & discharge pulsation dampener etc.) must be included with pump set to be supplied.	One Complete Valve Seat Puller Assembly Suitable for above mentioned Valve Seat and One Set Of Special OEM recommended Hand Tools For Fluid End Maintenance (i.e. Valve Pot Tool, Wrench For Valve Cover, For Studs On The Hydraulic Cylinders, Liner Bushing Puller Plate, Strainer Cross & Discharge Pulsation Dampener Etc.) Must Be Included With Pump Set To Be Supplied.
5	Clause No.: 4.1.3.24	A suitable fixture (s) to be provided (may be fitted on pump skid) for assembly/ disassembly of Piston assembly & Valve assembly.	A suitable fixture (s) to be provided for assembly/ disassembly of Piston assembly & Valve assembly.
6	Clause No.:4.1.3.28	5"-7500 psi (527.2 Kg/sq. cm) MWP flange RJ connection with 2-inch internal API LP thread for Pressure Gauge with 2" fig 1502 wing union and isolating valve (make OTECO/DEMCO) & one (1) extra 2" opening with high pressure plug to connect Drillometer	5"-7500 psi (527.2 Kg/sq. cm) MWP flange RJ connection with 2-inch internal API LP thread for Pressure Gauge with 2" fig 1502 wing union and isolating valve (make OTECO/DEMCO or equivalent)
7	Clause No.:4.1.3.30	5" -7500 Psi (527.2 Kg/sq. cm) MWP RJ Blind Flange End Connection for StrainerClean-out with lifting eye (to be fitted perpendicular to centre line of the pump) for ease of servicing with a safety chain.	5" -7500 Psi (527.2 Kg/sq. cm) MWP RJ Flange End Connection for Strainer Clean-out with lifting eye (to be fitted perpendicular to centre line of the pump) for ease of servicing with a safety chain. The flange will be with one (1)

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
			extra 2" opening with high pressure plug to connect Drillometer.
8	Clause No.:4.1.3.41	One (1) Yale hand hoist, 1/2 ton LH 8 Ft lift for use with Jib Crane	One (1) Hand Hoist of Proven Make, 1/2 Ton Lh 8 Ft Lift For Use With Jib Crane
9	Clause No.:4.5	MUD PUMP MANDATORYSPARES:	MUD PUMP MANDATORYSPARES: Note: Quantity as per Section 14 (Mandatory Spares)
10	Clause No.:4.5.29	Stroke counter meter (To be confirmed by Cementing)	Stroke counter meter/Stroke counter sensor (whichever is applicable)
11	Clause No.:4.5.44	0-10000 PSI Pr. gauge, type D, 2" Female	0-10000 PSI Pr. gauge, type F, Connection: 2" Female Threaded or 2" Hammer Union
12	Clause No.:4.6.13	Whether 3 sets of part list with part numbers, quantity and unit rate recommended for two years of operation are submitted along with the bid?	Whether 3 sets of part list with part numbers, quantity and unit rate recommended for four years of operation are submitted along with the bid?
13	Clause No.:4.7	HIGH PRESSURE MUD LINES & GROUND MANIFOLD SYSTEM FOR THREE PUMPS: Mandatory spares: As per Annexure AA (Mandatory Spares)	HIGH PRESSURE MUD LINES & GROUND MANIFOLD SYSTEM FOR THREE PUMPS: Mandatory spares: As per Section 14 (Mandatory Spares)
14	Clause No.:4.7.1.4	One (1) 2" mud gate valve 7500 PSI tapping to be provided for misc. jobs.	One (1) 2" Mud Gate Valve 7500 Psi Tapping To Be Provided For Misc. Jobs. (Welded Hammer Union Connection)
15	Clause No.:4.7.1.11	Additional intermediate 7500 PSI (527 kg/sq.-cm) rated line pipes complete with welded Fig 1502 Hammer Unions on both ends conforming to API 5L specifications of suitable lengths to facilitate extension of both the delivery pipes to meet the min. 60m spacing between	Additional Line Pipes of rating 7500 Psi (527 Kg/Sq.-Cm) MWP complete with Welded Fig 1502 Hammer Unions on both ends conforming to API 5L Specifications of suitable lengths to facilitate extension of both the delivery pipes for cluster wells will be required.Total length of additional Mud

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		wells in cluster locations. The distance between two consecutive wells may be 15m approx. The maximum length of individual line pipe should be limited to max. 9 mtr measured end to end. Note: The lengths of the line pipes should match the spacing between the wells and may depend on the design of the substructure.	Pump Delivery Line Pipes will be minimum 120 meter. The lengths of individual Line Pipes should match the spacing between the wells as per design of substructure, but maximum permissible length of individual Line Pipe is 9 mtr measured end to end.
16	Clause No.:4.7.1.12	All welds will be made by tested and certified welders using a tested and approved welding procedures. This section be will hydrostatically tested to 10,000 psi and test carts are delivered w/the assembly.	All welds will be made by tested and certified welders using a tested and approved welding procedures. This section be will hydrostatically tested to 10,000 psi and test charts are delivered w/the assembly.
17	Clause No.:4.8	MUD SUPERCHARGING PUMP & SKID: Oil field type skid to accommodate the following: Mandatory spares: As per Annexure AA (Mandatory Spares)	MUD SUPERCHARGING PUMP & SKID: Oil field type skid to accommodate the following: Mandatory spares: As per Section 14 (Mandatory Spares)
18	Clause No.:4.8.1	Three (3) numbers centrifugal pumps of Make: National Oilwell Varco/ Adroit, India/ Gee Pumps PVT Ltd, India/ Harrisburg/ SPD Baker/ Mud Hog, (preferably Model: 8x6x14) having discharge of minimum 1200 US GPM each and minimum 30 mtr head. Pumps should be suitably positioned and mounted on a three-runner oilfield skid and floor with inter connections through piping, dresser type couplings and butterfly valves to super-charge the mud pumps suction. Gap between supercharger system and mud tank shall be approx. 900 mm to facilitate / ease of slinging of supercharger skid. Note: Pumps offered against clauses 4.8, 4.9 and 4.10	Three (3) numbers centrifugal pumps of Make: National Oilwell Varco/ Adroit, India/ Jee Pumps PVT Ltd, India/ Harrisburg/ SPD Baker/ Mud Hog/ MCM O'Drill (preferably Model: 8x6x14) having discharge of minimum 1200 US GPM each and minimum 30 mtr head. Pumps should be suitably positioned and mounted on a three-runner oilfield skid and floor with inter connections through piping, dresser type couplings and butterfly valves to super-charge the mud pumps suction. Gap between supercharger system and mud tank shall be approx. 900 mm to facilitate / ease of slinging of supercharger skid. Note: Pumps offered against clauses 4.8, 4.9 and 4.10 shall be of same make and preferably of same model for optimising spare holding.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		shall be of same make and preferably of same model for optimising spare holding.	
19	Clause No.:4.8.7	Spares for three years normal operation of all centrifugal pumps (mud supercharger pumps) should be additionally included in the offer indicating item, part no. & quantity required as per Clause 11.4.	Spares for four years normal operation of all centrifugal pumps (mud supercharger pumps) should be additionally included in the offer indicating item, part no. & quantity required as per Clause 11.4.
20	Clause No.:4.9	MUD MIX PUMP ASSEMBLY Mandatory spares: As per Annexure AA (Mandatory Spares)	MUD MIX PUMP ASSEMBLY Mandatory spares: As per Section 14 (Mandatory Spares)
21	Clause No.:4.10	CENTRIFUGAL PUMPS FOR SOLID CONTROL: Mandatory spares: As per Annexure AA (Mandatory Spares)	CENTRIFUGAL PUMPS FOR SOLID CONTROL: Mandatory spares: As per Section 14 (Mandatory Spares)
22	Clause No.:4.11	MULTISTAGE CENTRIFUGAL PUMPS & HOPPER SYSTEM (FOR GAUGING WATER): MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	MULTISTAGE CENTRIFUGAL PUMPS & HOPPER SYSTEM (FOR GAUGING WATER): Mandatory spares: As per Section 14 (Mandatory Spares)
23	Clause No.:4.12	MUD AGITATORS: Mandatory spares: As per Annexure AA (Mandatory Spares)	MUD AGITATORS: Mandatory spares: As per Section 14 (Mandatory Spares)
24	Clause No.:4.15	Shale Shakers (3 Nos.)	Shale Shakers (3 Nos.)
25	Clause No.:4.15.2	The LMSS shall have solids handling capacity of 50 Kg/min (equiv. 12.25" interval at 50 ft./hr) with 50% deck angle and API 120 with 12 PPG polymer mud. Shale Shaker shall be capable to work effectively while drilling intermediate hole sections (17 ½, 12 ¼ inch) at high angles / high discharges using advanced polymer /Synthetic Oil Base Mud systems requiring excellent solids control with fine screens which are able to	The LMSS shall have solids handling capacity of 50 Kg/min (equiv. 12.25" interval at 50 ft./hr) with 50% deck angle and API 120 with 12 PPG polymer mud. Shale Shaker shall be capable to work effectively while drilling intermediate hole sections(17½, 12 ¼ inch) at high angles / high discharges using advanced polymer / Synthetic Oil Base Mud systems requiring excellent solids control with fine screens which

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		separate / screen out solids down to 80 microns equivalent to API 200. Vendor to Specify screen life for above test condition.	are able to separate /screen out solids down to 80 microns equivalent to API 200.
26	Clause No.:4.15.4.9	Net Screening Area :: Each Shaker Unit must have a minimum 22.5 sq. ft. of net screening area as per API RP 13C Non-blanked Open Area specifications.	Net Screening Area :: Each Shaker Unit must have a minimum 21.0 to 22.5sq.ft.of net screening area as per API RP13C Non-blanked Open Area specifications.
27	Clause No.:4.16.1	UNITISED LINEAR MOTION MUD CLEANER (ULMMC)	UNITISED LINEAR MOTION MUD CLEANER (ULMMC)
28	Clause No.:4.16.1.1	The unit shall include minimum 02 numbers 10" hydro-cyclones for Desander and minimum 20 numbers 4" hydro-cyclones for Desilter arranged in twin parallel rows of 10 cones each or in circular design. ULMMC shall be capable of handling min 1500 GPM of mud.	The unit shall include minimum 02 numbers of 12" / 10" hydro-cyclones for Desander and minimum 20 numbers 4" hydro-cyclones for Desilter arranged in twin parallel rows of 10 cones each or in circular design. ULMMC shall be capable of handling min 1500 GPM of mud.
29	Clause No.:4.16.2.2	Shaker of ULMMC should work on Linear Motion/ Balanced elliptical principle with adjustable Deck angle 0-5 degree (min) - Shaker of the ULMMC must be the same model as quoted in the LMSS section.	Shaker of ULMMC should work on Linear Motion / Balanced elliptical principle with adjustable Deck angle 0-5degree(total variation minimum 5 Deg.). Shaker of the ULMMC must be the same model as quoted in the LMSS section.
30	Clause No.:4.18	Centrifuge	Centrifuge
31	Clause No.:4.18.1	A High G-force capacity Centrifuge with long clarification area, capable to process high density mud at minimum 2000 G. Minimum bowl diameter of 14", Variable bowl speed of 3000 RPM or more, feed rate of about 250 GPM.	A High G-Force Capacity Centrifuge With Long Clarification Area, Capable To Process High Density Mud At Minimum 1975 G. Minimum Bowl Diameter Of 14", Variable Bowl Speed Of 3000 Rpm Or More, Feed Rate Of About 245- 250 Gpm

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		SECTION-5: POWER SYSTEM	
1	Clause No 5.1	POWER PACK Mandatory spares: As per Annexure AA (Mandatory Spares)	POWER PACK Mandatory spares: As per Section 14 (Mandatory Spares)
2	Clause No 5.1.1.3	Fuel Type : Diesel However, the power packs should be equipped with Dynamic Gas Blending system. The system should include Balance of Plant mounted on an oilfield type skid and fitted with required electronic system & gas distribution network to the engines.	Fuel Type: Diesel.
3	Clause No 5.1.1.13	Safety protection-Low lube oil pressure, Engine Over speed, water/coolant high temperature, & Low coolant level, air inlet shut off. Local emergency stop switch with locking system/protected must be on the outside wall of acoustic enclosure. Additionally, individual power pack should be equipped with Automatic Fire Detection and Suppression System as per Indian norms.	Safety protection-Low lube oil pressure, Engine Over speed, water/coolant high temperature, & Low coolant level, air inlet shut off. Local emergency stop switch with locking system/protected must be on the outside wall of acoustic enclosure. Additionally, individual power pack should be equipped with 01 no. of 9 KG DCP modular fire extinguisher mounted on the acoustic canopy near the engine exhausts to comply with the OISD guidelines.
4	Clause No 5.1.1.15	The Rig engines shall be equipped with Cat Smart Engine Management System	DELETED
5	Clause No 5.1.1.16	Emission Norms The engine shall conform to the latest emission standard as applicable in India for On-shore Rig Power application at the time of delivery as per latest CPCB norms. For Diesel Engines > 800KW applicable emission norms have	Emission Norms : The engine shall conform to the latest emission standard as applicable in India for On-shore Rig Power application at the time of delivery as per latest CPCB norms. For Diesel Engines > 800KW applicable emission norms have been published in Govt. of India Gazette Notification G.S.R. 489(E),

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description														
		been published in Govt. of India Gazette Notification G.S.R. 489(E), engine offered by the bidder to comply to the emission norms as laid down in the above-mentioned notification. Engines must be equipped with Diesel Oxidation Catalysts (DOC) converters consist of a monolith honeycomb substrate coated with platinum group metal catalyst, packaged in a stainless steel container.	engine offered by the bidder to comply to the emission norms as laid down in the above-mentioned notification.														
6	Clause No 5.1.8.14	Do you agree to the condition that power packs will be inspected in stages by OIL's representatives before dispatch and load testing of the same shall be carried out in presence of OIL's representative at manufacturer's works? (Refer Clause 5.1.10)	Do you agree to the condition that power packs will be inspected in stages by OIL's representatives before dispatch and load testing of the same shall be carried out in presence of OIL's representative at manufacturer's/assembler's works? However, refer to clause 5.1.10 for engine inspection.														
7	Clause No 5.1.10.9	<table><tr><td>Activity ></td><td>Intermediate Inspection of manufacturing process, before FAT, at manufacturer's works</td><td>Load Test & FAT</td><td>Complete, integrated rig package, at suitable location, before dispatch for string and load test</td></tr><tr><td>Rig Engines of Powerpacks</td><td>OIL reserves the right to inspect the manufacturing process for verifying actual project progress.</td><td>√</td><td>√</td></tr></table>	Activity >	Intermediate Inspection of manufacturing process, before FAT, at manufacturer's works	Load Test & FAT	Complete, integrated rig package, at suitable location, before dispatch for string and load test	Rig Engines of Powerpacks	OIL reserves the right to inspect the manufacturing process for verifying actual project progress.	√	√	<table><tr><td>Activity ></td><td>Load Test & FAT at manufacturer's works</td><td>Complete, integrated rig package, at suitable location, before dispatch for string and load test</td></tr><tr><td>Rig Engines of Powerpacks</td><td>√</td><td>√</td></tr></table>	Activity >	Load Test & FAT at manufacturer's works	Complete, integrated rig package, at suitable location, before dispatch for string and load test	Rig Engines of Powerpacks	√	√
Activity >	Intermediate Inspection of manufacturing process, before FAT, at manufacturer's works	Load Test & FAT	Complete, integrated rig package, at suitable location, before dispatch for string and load test														
Rig Engines of Powerpacks	OIL reserves the right to inspect the manufacturing process for verifying actual project progress.	√	√														
Activity >	Load Test & FAT at manufacturer's works	Complete, integrated rig package, at suitable location, before dispatch for string and load test															
Rig Engines of Powerpacks	√	√															

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
8	Clause No 5.2.1.1	One (01) number Diesel Generating Set per Rig of capacity 500 kVA capacity to be connected for running equipment like Motor Driven Air Compressor, BOP Motor, Hydraulic cylinder Motor (for raising mast, refer Section 1.8.1) etc. during Rig up / Rig down / Production testing phase in addition to lighting load.	One (01) number Diesel Generating Set minimum 500 kVA capacity to be connected for running equipment like Motor Driven Air Compressor, BOP Motor, Hydraulic cylinder Motor (for raising mast, refer Section 1.8.1) etc. during Rig up / Rig down / Production testing phase in addition to lighting load.
9	Clause No 5.2.1.11	Spare Parts for Engine of the Auxiliary Genset: A) OPERATIONAL SPARES: Bidder should recommend operational spares/ consumables required for running of each engine for 2000hrs. Bidder should also indicate unit price of each of the recommended operational spares which should be valid for a period of 3 (three) years from the date of commissioning of the first two rigs. However, these prices will not be considered for evaluation. MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	Spare Parts for Engine of the Auxiliary Genset: A) OPERATIONAL SPARES: Bidder should recommend operational spares/ consumables required for running of auxiliary engine for 2000 hrs. Bidder should also indicate unit price of each of the recommended operational spares which should be valid for a period of 04 (four) years from the date of commissioning. However, these prices will not be MANDATORY SPARES: As per Section 14 (Mandatory Spares)
10	Clause No 5.2.1.17	All auxiliary engines shall be of same make and model for all rigs.	DELETED
		SECTION-6: RIG UTILITIES	
1	Clause No 6.1	SCREW AIR COMPRESSOR (ELECTRICALLY DRIVEN) MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	SCREW AIR COMPRESSOR (ELECTRICALLY DRIVEN) MANDATORY SPARES: As per Section 14 (Mandatory Spares)

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
2	Clause No 6.1.18	Prime Mover: Suitably rated electric motor, 3 phase, 415V, 50 Hz, continuous duty. There shall be provision of double and distinct earthing using GI Strip for motor and panel. MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	Prime Mover: Suitably rated electric motor, 3 phase, 415V, 50 Hz, continuous duty. There shall be provision of double and distinct earthing using GI Strip for motor and panel. MANDATORY SPARES: As per Section 14 (Mandatory Spares)
3	Clause No 6.2	AIR COMPRESSOR (DIESEL ENGINE DRIVEN) Diesel engine driven air compressor to be used for cold starting for normal rig operation. MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	AIR COMPRESSOR (DIESEL ENGINE DRIVEN) Diesel engine driven air compressor to be used for cold starting for normal rig operation. MANDATORY SPARES: As per Section 14 (Mandatory Spares)
4	Clause No 6.3	AIR DRYER UNIT MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	AIR DRYER UNIT MANDATORY SPARES: As per Section 14 (Mandatory Spares)
5	Clause No 6.4.1	Utility house should house two electric driven compressors, cold start compressor, horizontal air receiver tanks mounted on a two runner skid horizontal with slinging arrangement.	Utility house should house two electric driven compressors, cold start compressor, air receiver tanks.
6	Clause No 6.6	CELLAR PIT PUMP MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	CELLAR PIT PUMP MANDATORY SPARES: As per Section 14 (Mandatory Spares)
7	Clause No 6.7	VERTICAL SUMP PUMP (TO BE USED DURING SPUDDING) MANDATORY SPARES: As per Annexure AA (Mandatory Spares)	VERTICAL SUMP PUMP (TO BE USED DURING SPUDDING) MANDATORY SPARES: As per Section 14 (Mandatory Spares)
8	Clause No 6.17.7	Automatic temperature control. The cooler starts automatically at an oil temp inside the tank of 38 deg. C (100 deg. F). The HPU unit automatically shuts down if	Automatic temperature control. The cooler starts automatically at an oil temp inside the tank of 38 deg. C (100 deg. F). The HPU unit automatically shuts down if the oil temperature inside the tank reaches

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		the oil temperature inside the tank reaches 70 deg. C (158 deg. F). High and high-high fluid temperature alarm.	75deg.C(167deg.F).High and high-high fluid temperature alarm.
		SECTION-7: FUEL SYSTEM	
1	Clause No 7.4.10	The decanting pumps should be gear type pump having a capacity not less than 350 Litre per minute and minimum 10 kg/cm2 discharge pressure (head).	The decanting pumps should be gear type pump having a capacity of minimum 340 Litre per minute and minimum 10 kg/cm2 discharge pressure (head).
		SECTION-9: ELECTRICAL SYSTEMS	
1	Clause 9.5.2.2.5	SOCKET BOARD/DISTRIBUTION COMPARTMENT: SOCKET BOARD panel for the Generator and Drilling motor cables to be provided on the front-end (facing the DWS). In case it is difficult to provide generator SOCKET BOARD panel on front end, then standard arrangement of the supplier i.e. generator SOCKET BOARD panel (recessed type) on the side facing power packs can be provided but height of such SOCKET BOARD panel should be around 1.5 mtrs from bottom of the PCR. The SOCKET BOARD Panel(s) should feature shutter or doors which can be closed/ opened smoothly with all the cables plugged in, during normal running condition to avoid ingress of water inside the SOCKET BOARD panels due to rain. Interior & exterior sides of plug socket compartment on the PCRs shall be adequately illuminated using LED light fixtures.	SOCKET BOARD/DISTRIBUTION COMPARTMENT: SOCKET BOARD panel for the Generator and Drilling motor cables to be provided on the front-end (facing the DWS). In case it is difficult to provide generator SOCKET BOARD panel on front end, then standard arrangement of the supplier i.e. generator SOCKET BOARD panel (recessed type) on the side facing power packs can be provided but height of such SOCKET BOARD panel should be around 1.5 mtrs from ground level. The SOCKET BOARD Panel(s) should feature shutter or doors which can be closed/ opened smoothly with all the cables plugged in, during normal running condition to avoid ingress of water inside the SOCKET BOARD panels due to rain. Interior & exterior sides of plug socket compartment on the PCRs shall be adequately illuminated using LED light fixtures.
2	Clause 9.5.3.4.2.3	Voltmeter /Ammeter	Voltmeter /Ammeter/ any other alternate provision for monitoring electrical parameters

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
3	Clause 9.5.3.10.1.11	415V Emergency Bus: (Refer to Annexure-AA-IX, Typical Single LineDiagram)The power from the 500 KVA Genset shall be fed into an emergency 415VACbus bar section inside the PCR.To limit the load on 500 KVA Gen set, only following outgoing feeder /MotorStarter panel shall be from the 415VAC Emergency Bus:a) One feeder for Isolation transformer hut,b) one feeder for Air compressor,c) one number water booster Motord) Hydraulic motor (for rig up / down) if applicablee) Hazardous area lighting (i.e., incomer of 415V:230 Ph-Ph lightingtransformer)f) Few Mud tank agitators (Four reserve tanks and one suction tank)g) Cellar pumpsh) One feeder for Supercharger pumpsi) Fuel decanting Pumpsj) BOP CONTROL UNITNote: However, the actual loads on 500kVA Aux. Genset shall be finalisedduring detailed Engineering stage.There shall be provision for electrical isolation of the emergency bus bar fromthe Main 415VAC bus bar section using a withdrawable type air circuit breaker(ACB) of sufficient nominal rating, breaking/ withstand and making capacity,manually chargeable, electric closing, with solid state trip unit. There shall bean interlocking of the 500 KVA Aux. Genset outgoing ACB and theemergency busbar isolation ACB, such that only one of the two operates ata time.	415V Emergency Bus: (Refer to Annexure-AA-IX, Typical Single LineDiagram)The power from the 500 KVA Genset shall be fed into an emergency 415VACbus bar section inside the PCR.To limit the load on 500 KVA Gen set, only following outgoing feeder /MotorStarter panel shall be from the 415VAC Emergency Bus:a) One feeder for Isolation transformer hut,b) one feeder for Air compressor,c) one number water booster Motord) Hydraulic motor (for rig up / down) if applicablee) Hazardous area lighting (i.e., incomer of 415V:230 Ph-Ph lightingtransformer)f) Few Mud tank agitators (Four reserve tanks and one suction tank)g) Cellar pumpsh) One feeder for Supercharger pumpsi) Fuel decanting Pumpsj) BOP CONTROL UNITNote: However, the actual loads on 500kVA Aux. Genset shall be finalisedduring detailed Engineering stage.There shall be provision for electrical isolation of the emergency busbar from the Main 415VAC busbar section using air circuit breaker (ACB)/MCCB of sufficient nominal rating, breaking/with standard making capacity, manually chargeable, electric closing, with solid state-run. There shall be an interlocking of the 500KVA (minimum) Aux. Genset outgoing ACB/MCCB and the emergency busbar isolation ACB/MCCB, such that only one of the two operates at a time.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
4	Clause 9.5.3.11.5	The AC system should have 100% redundancy, i.e., half the capacity should be standby at all time.	The AC system should have redundancy with at least one unit standby at any time.
5	Clause 9.5.3.16.2.10	Insulation – Class F	Insulation – Class F or better
6	Clause 9.2.1.15 – Rig Alternator Specification	Plate for main cable entry should be of non-magnetic materials to avoid heating by generation of eddy currents, as single core power cable will be used for termination	Plate /grommet /gland for main cable entry should be of non-magnetic materials to avoid heating by generation of eddy currents, as single core power cable will be used for termination
7	Clause 9.5.2.2.2 General construction features of PCRs	Oil Field Skid: The Skid design shall incorporate at least 4(four) longitudinal channels with two mid channels kept sufficiently apart so that the unit can be placed evenly on trailers with proper load distribution & balancing. Each longitudinal channel of a skid shall be of single length and shall have smooth finish underneath and curve finish at both the end, so that the skid can roll over smoothly on surfaces/truck body without any obstruction. The skid so designed should be sufficiently strong and properly welded at joints and should be able to withstand shocks while being handled and transported over rough and slushy roads/locations. Height of the joint used for the longitudinal members should be minimum 20 cm. Sufficient provision should be available at both ends for lifting the entire PCR (bottom lift arrangement). The skid shall be properly prepared, and painted with black coal tar epoxy paint with a final thickness of about 200 microns.	Oil Field Skid: The Skid design shall incorporate at least 4(four) longitudinal channels with two mid channels kept sufficiently apart so that the unit can be placed evenly on trailers with proper load distribution & balancing. Each longitudinal channel of a skid shall be of single length and shall have smooth finish underneath and curve finish at both the end, so that the skid can roll over smoothly on surfaces /truck body without any obstruction. The skid so designed should be sufficiently strong and properly welded at joints and should be able to withstand shocks while being handled and transported over rough and slushy roads /locations. Height of the joint used for the longitudinal members should be minimum 20cm. Sufficient provision should be available at both ends for lifting the entire PCR (bottom lift arrangement). The skid shall be properly prepared, and preferably painted with black coal tar epoxy paint with a final thickness of about 200 microns. However, PCR skid painting may be similar with paint specification and color as the body of the PCR (as

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
			mentioned in clause 9.5.2.2.12) or as per OEM's own standard design.
8	Clause 9.5.2.2.3 General construction features of PCRs	Thermal Insulation: Walls to be insulated with three-inch thick polystyrene block insulation/Glasswool/rock wool or any other suitable insulation. The floor and the wall with the receptacles and plugs will not be insulated. The inside surface of the walls shall be finished with a sandwich style insulating board three eights of an inch thick with white pebble coating on the interior side and aluminium foil on the exterior side.	Thermal Insulation: Walls to be insulated with three-inch thick polystyrene block insulation/Glasswool/rock wool or any other suitable insulation. The floor and the wall with the receptacles and plugs will not be insulated. The inside surface of the walls shall be finished as per OEM's standard design or with a sandwich style insulating board three eights of an inch thick with white pebble coating on the interior side and aluminium foil on the exterior side.
9	Clause 9.5.3.1.4 Rig Control System (Electrical part inside PCR)	In case of failure of rig control system (CPU/Controller), the rig will be provided with a 100% redundant/standby control system (CPU/Controller) for uninterrupted drilling operation. However, the bidder may submit their own scheme for such a redundant/standby control system to achieve uninterrupted drilling operation.	Preferably, the rig may be provided with a 100% redundant /standby control system (with redundant CPU/Controller). Alternately, the OEM may provide their own scheme of redundancy /standby for the supplied control system.
10	Clause 9.5.3.1.7 Rig Control System (Electrical part inside PCR)	Each PCR shall be equipped with touch screen HMIs for monitoring purpose. HMI in PCRs shall be same as the one in the driller's workstation with only read mode (One should not be able to operate the drives from the HMIs in the PCR).	Each PCR shall be equipped with touch screen HMIs for monitoring purpose. HMI in PCRs shall display similar parameters as the one in the driller's workstation with only read mode (There shall not be any option to operate the drives from the HMIs in the PCR).
11	Clause 9.5.3.2.1.8 – Generator Control panels are to be fitted with (Indicative)	LED Indication lamps (with Low Voltage Glow Protection) -Gen. RUN, Gen. ON-LINE, Gen. SYNCH, Gen. FAULT, Engine FAULT etc.	LED Indication lamps (with Low Voltage Glow Protection) - Gen. RUN, Gen. ON-LINE, Gen. SYNCH, Gen. FAULT, Engine FAULT etc. Alternatively, indications may also be displayed on the electronic generator control screen in lieu of individual LED lamps.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
12	Clause 9.5.3.2.2 – Each panel should be fitted with the following meters	Each panel should be fitted with the following meters: 9.5.3.2.2.1 Alternator Ammeter 0-2000 A (selectable for R, Y, B phases)-Analog/ Digital type 9.5.3.2.2.2 Alternator Voltmeter 0-1000VAC- Analog/ Digital type 9.5.3.2.2.3 Alternator Kilo-watt meter, (-)150-0-1500 kW- Analog/ Digital type 9.5.3.2.2.4 Alternator Kilo-var meter, (-)150-0-1500 kVAR- Analog/ Digital type 9.5.3.2.2.5 Alternator power factor meter (–)1.0 – 0 – (+)1.0- Analog/ Digital type 9.5.3.2.2.6 Alternator Kilowatt-hour meter - Analog/ Digital type 9.5.3.2.2.7 Generator cumulative running Hour's meter - Analog/ Digital type 9.5.3.2.2.8 Alternator temperature meter Six- (6) channel RTD meter to indicate generator winding temperature with alarm output relay contact to trip circuit breaker upon high temperature reading-Digital type	Each panel should be fitted with the following meters. However, alternate provision for monitoring following electrical parameters may also be provided: 9.5.3.2.2.1 Alternator Ammeter 0-2000 A (selectable for R, Y, B phases)-Analog/ Digital type 9.5.3.2.2.2 Alternator Voltmeter 0-1000VAC- Analog/ Digital type 9.5.3.2.2.3 Alternator Kilo-watt meter, (-)150-0-1500 kW- Analog/ Digital type 9.5.3.2.2.4 Alternator Kilo-var meter, (-)150-0-1500 kVAR- Analog/ Digital type 9.5.3.2.2.5 Alternator power factor meter (–)1.0 – 0 – (+)1.0- Analog/ Digital type 9.5.3.2.2.6 Alternator Kilowatt-hour meter - Analog/ Digital type 9.5.3.2.2.7 Generator cumulative running Hour's meter - Analog/ Digital type 9.5.3.2.2.8 Alternator temperature meter Six- (6) channel RTD meter to indicate generator winding temperature with alarm output relay contact to trip circuit breaker upon high temperature reading-Digital type

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
13	Clause 9.5.3.2.5.1– Power Limit Control	The Power Limit Control shall be incorporated to monitor the KW (i.e. actual loading of engines) & 'I'-Total (i.e. KVA loading of alternators) of each of the Engine-Generator sets. If the load on the system tries to exceed the rating of the engines or generators, then the power limit circuit will clamp or reduce the power drawn by the Variable frequency drives (i.e. main drilling motors) until load demand is reduced to a level below the set power limit.	The Power Limit Control shall be incorporated to monitor the KW (i.e. actual loading of engines) and/or 'I'-Total (i.e. KVA loading of alternators) of each of the Engine-Generator sets. If the load on the system tries to exceed the rating of the engines or generators, then the power limit circuit will clamp or reduce the power drawn by the Variable frequency drives (i.e. main drilling motors) until load demand is reduced to a level below the set power limit to prevent blackout. Alternatively, OEM may offer their own scheme for Power Limit.
14	Clause 9.5.3.2.5.3– Power Limit Control	Power limit feature shall be integral part of electronic drilling control system (software). a) Percent loading of power packs to be displayed in HMI/touch screen of Driller's cabin with warning/alarm during power limit situation. b) A warning lamp shall be illuminated on the Driller's Console when power limit is being approached.	Power limit feature shall be integral part of electronic drilling control system (software). a) Percent loading of power packs to be displayed in HMI/touch screen of Driller's cabin with warning/alarm during power limit situation. b) A warning shall be displayed on the Driller's Console when power limit is being approached/reached.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
15	Clause 9.5.3.3– Converter/Rectifier panels	CONVERTER/ RECTIFIER PANELS (Indicative): Suitably rated Two (02) or more incomer /rectifier sections should be provided in each PCR (strategically distributed) for supplying the VFD line-up, each of which shall include the following:	CONVERTER/ RECTIFIER PANELS (Indicative): Suitably rated Two (02) or more rectifier panels should be provided in each PCR (strategically distributed) for supplying the VFD line-up in that PCR. Alternatively, bidder may provide DC Bus bar interconnection/ DC link switch between two PCRs as a provision for powering up VFD panels of any PCR from the rectifier panels placed in the other PCR. Rectifier panel shall include the following:
16	Clause 9.5.3.3.9 Converter/Rectifier panels	DC Ammeter & Voltmeter	DC Ammeter & Voltmeter or any other suitable provision to monitor V & I
17	Clause 9.5.3.4.2.11 – Each VFD inverter panel shall consist of the following main equipment (Indicative)	Emergency Stop Safety Relay	Emergency Stop Safety Relay/stop button
18	Clause 9.5.3.10.1.2 – MCC features	Bus shall be accessible for maintenance. AC bus bars shall be insulated properly. A voltmeter and 'bus bar live' indicator lamp shall be provided indicating bus status.	Bus shall be accessible for maintenance. A voltmeter and 'bus bar live' indicator lamp shall be provided indicating bus status.
19	Clause 9.5.3.15.3 – Socket Board/Distribution Compartment	Plugs & sockets (crimped type) should be suitable to accommodate up to 300 sq. mm flexible copper cable with built-up conductor diameter of 26 mm & OD of 35 mm (+/-1 mm).	Plugs & sockets (crimped type) should be suitable to accommodate flexible copper cables of respective sizes.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
20	Clause 9.5.3.11.5 – PCR Air Conditioning	The AC system should have 100% redundancy, i.e., half the capacity should be standby at all time.	The AC system should have redundancy with at least one-unit standby at any time.
21	Clause 9.5.3.15.6– Socket Board/ Distribution Compartment	The plug sockets cable termination shall be crimped type. Horizontal steel bars shall be provided in the compartments for supporting the layers of cables.	The plug sockets cable termination shall be crimped type. Horizontal steel bars or any other suitable arrangement shall be provided in the compartments for supporting the layers of cables.
22	Clause 9.5.3.19.2.2 – Driller’s Control Cabin & Mud Pump Control Console	Control switches to control main drive motors (manual switches)	Control switches to control main drive motors (manual switches or suitable provision in HMI)
		SECTION-10 : RIG INSTRUMENTATION	
1	Clause No.: 10.1.5	CABLES: a. All the Instrumentation signal cables used shall be shielded. All cables i.e. Control cable, Signal cable, Fiber Optic cable, Ethernet cable or Coaxial cable, if any, which are passing through damage prone area shall be armoured. b. Cable glands shall be suitable for using at classified hazardous area. c. 10% spare cable pairs/glands/connectors should be provided for future use. d. All cables shall have sufficient length to carrying out pad drilling 1+2 (min 30 m extra).	CABLES: a. All the Instrumentation signal cables used shall be shielded. All cables i.e. Control cable, Signal cable, Fiber Optic cable, Ethernet cable or Coaxial cable, if any, which are passing through damage prone area shall be armoured. b. Cable glands shall be suitable for using at classified hazardous area. c. 10% spare cable pairs/glands/connectors should be provided for future use. d. All cables shall have sufficient length to carry out 4+1 cluster well on a straight line/ diagonally or to reach up to 120 m from PCR/ DAS Bunk House, whichever is higher.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
2	Clause No.: 10.2	ONLINE GAS MONITORING SYSTEM:The online gas monitoring system shall consists of but not limited to the following:1. Three (3) nos. of fixed LEL detector (Infra-Red Type) one each for Rig floor, Shale shaker &Riser mouth of range 0-100 %LEL.2. Three (3) nos. of fixed H2S detector one each for Rig floor, shale shaker & riser mouth of range0-100 PPM.3. Gas detectors shall be suitable for use in Hazardous Zone-1, Class-I, Division-1 & 2, Group C& D with IP 66 or higher.4. One controller cum display unit along with storage device shall be provided so that data couldbe stored of at least last one month for retrieval whenever required in compatible formats. Fullversion software for controller configuration, downloading the configuration & uploading thehistorical data shall be provided.5. Two (2) nos. of weatherproof and flameproof Hooter cum Flasher common for all gas sensorsat Rig Floor & near Shale Shaker.6. Weather-proof panel with proper canopy and stand consisting of MCB, Safety switchgear, etc.shall be provided if the system is standalone.7. Cables: XLPE Insulated armoured Cable of proper sizing and of sufficient length to carry outpad drilling 1 + 2 (minimum 30 meter extra).8. Online UPS of proper rating shall be provided for uninterrupted operation of the system.9. Controller shall have scalability to add additional 2 (two) nos. of LEL/H2S sensor.10. Online Gas Monitoring System shall have to be integrated with DAS for monitoring & storingof data in the Data Acquisition System.	ONLINE GAS MONITORING SYSTEM:The online gas monitoring system shall consists of but not limited to the following:1. Three (3) nos. of fixed LEL detector (Infra-Red Type) one each for Rig floor, Shale shaker &Riser mouth of range 0-100 %LEL.2. Three (3) nos. of fixed H2S detector one each for Rig floor, shale shaker & riser mouth of range0-100 PPM.3. Gas detectors shall be suitable for use in Hazardous Zone-1, Class-I, Division-1 & 2, Group C& D with IP 66 or higher.4. One controller cum display unit along with storage device shall be provided so that data couldbe stored of at least last one month for retrieval whenever required in compatible formats. Fullversion software for controller configuration, downloading the configuration & uploading thehistorical data shall be provided.5. Two (2) nos. of weatherproof and flameproof Hooter cum Flasher common for all gas sensorsat Rig Floor & near Shale Shaker.6. Weather-proof panel with proper canopy and stand consisting of MCB, Safety switchgear, etc.shall be provided if the system is standalone.7. Cables: XLPE Insulated armoured Cable of proper sizing and of sufficient length to carry out pad drilling for 4+1 cluster well on a straight line/ diagonally or to reach up to 120 m from DAS Bunk House, whichever is higher.8. Online UPS of proper rating shall be provided for uninterrupted operation of the system.9. Controller shall have scalability to add additional 2 (two) nos. of LEL/H2S sensor.10. Online Gas Monitoring System shall have to be integrated with DAS for monitoring & storingof data in the Data Acquisition System.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
3	Clause No. 10.3	INTERCOM / PUBLIC ADDRESSING SYSTEM: One suitable wireless/wired intercom system for the rig shall be supplied as per following details a) Nine (9) nos. Microphone & Speakers shall be placed at all following locations: 1. DIC Room 2. Derrick Floor 3. Drillers Cabin 4. Dog House 5. VFD House 6. Monkey Board 7. AC PCR 8. Utility System 9. Assembly Point. b) The system shall be certified for use in Hazardous Area in drilling locations as applicable. c) The system shall have protecting Covers. d) Wall mounted system shall be provided for DIC room and VFD house with 3 metre coil cable for microphone. e) The system shall have capability of public address. f) All cables: power cables & signal cables used in PA system shall be armoured. g) Online UPS of proper rating shall be provided for uninterrupted operation of the system.	INTERCOM/PUBLIC ADDRESSING SYSTEM: One suitable wireless/wired intercom system for the rig shall be supplied as per following details- a) Ten (10) nos. of Microphone & Speakers shall be placed at all following locations: 1. DIC Room 2. Derrick Floor 3. Driller's Cabin 4. Dog House 5. VFD House 6. Monkey Board 7. AC PCR 8. Utility System 9. Assembly Point 10. DAS Bunk House b) The system shall be certified for use in Hazardous Area in drilling locations as applicable. c) The system shall have protecting Covers. d) Wall mounted system shall be provided for DIC room and VFD house with 3 metre coil cable for microphone. e) The system shall have capability of public address. f) All cables: power cables & signal cables used in PA system shall be armoured. g) Online UPS of proper rating shall be provided for uninterrupted operation of the system.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
4	Clause No.: 10.4.1	Camera:1. Shall have minimum 4 MP resolution.2. Shall be pan/tilt/zoom (PTZ) type or Bullet fixed type True IP camera (as per locations mentioned under 10.4).3. All camera shall be Motorized Varifocal with minimum 22X optical zoom.4. Shall have certification for use in Hazardous Area Zone-1, Class-I, Division-1 & 2, Group C& D. Camera & housing shall be of same make.5. Shall be fitted with explosion proof fittings and FLP junction boxes in the hazardous area.6. All camera enclosure shall have IP66 or higher.7. Operating environment: 0 to 50 degC, 10 to 90 %RH (non-condensing).8. Shall be equipped with defogger, wiper & washer system.9. Shall have minimum illumination of Color: 0.01 Lux & B/W: 0.001 Lux. Capable for Day/Night Vision (Low flux).10. All cables, power or signal cables shall be armoured. The cables (wherever required) shall have sufficient length to carry out pad drilling 1 + 2 (minimum 30 meter extra).11. All CCTV signal cables shall be routed separately in a channel/compartiment of cable trays(not along with power cables).12. Bidder shall consider necessary Mounting arrangement & pole, as required for installation of CCTV camera at the designated locations.	Camera:1. Shall have minimum 4 MP resolution.2. Shall be pan/tilt/zoom (PTZ) type or Bullet fixed type True IP camera (as per locations mentioned under 10.4).3. All camera shall be Motorized Varifocal with minimum 22X optical zoom.4. Shall have certification for use in Hazardous Area Zone-1, Class-I, Division-1 & 2, Group C& D. Camera & housing shall be of same make.5. Shall be fitted with explosion proof fittings and FLP junction boxes in the hazardous area.6. All camera enclosure shall have IP66 or higher.7. Operating environment: 0 to 50 degC, 10 to 90 %RH (non-condensing).8. Shall be equipped with defogger, wiper & washer system.9. Shall have minimum illumination of Color: 0.01 Lux & B/W: 0.001 Lux. Capable for Day/Night Vision (Low flux).10. All cables, power or signal cables shall be armoured. The cables (wherever required) shall have sufficient length to carry out pad drilling for 4+1 cluster well on a straight line/ diagonally or to reach up to 120 m from DAS Bunk House, whichever is higher.11. All CCTV signal cables shall be routed separately in a channel/compartiment of cable trays(not along with power cables).12. Bidder shall consider necessary Mounting arrangement & pole, as required for installation of CCTV camera at the designated locations.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
5	Clause No.: 10.10.2 [E]	[E] Other Controls a. All field sensors used, for monitoring and control of Drawworks b. Control Module & all field sensors used for monitoring and control of TDS c. Control Module & all field sensors used for monitoring and control of of Hydraulic Cathead d. Control Module & all field sensors used for monitoring and control of Iron Roughneck e. All joysticks along with control cards in driller's cabin Note: Quantity as per SECTION-14 (Mandatory Spares)	[E] Other Controls a. Spares for monitoring and control of Drawworks b. Spares for monitoring and control of Top Drive c. Spares for monitoring and control of Hydraulic Cathead d. Spares for monitoring and control of Iron Roughneck e. All joysticks along with control cards in driller's cabin f. Spares for monitoring and control of Vertical Pipe Handling System g. Spares for monitoring and control of Hydraulic Catwalk Note: Quantity as per SECTION-14 (Mandatory Spares) & as applicable to the respective rig equipment.
		SECTION - 11 INSTRUCTIONS / NOTES	

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
1	Clause No.: 11.2	PAINTING INSTRUCTIONS:At least 3 coats of EPOXY PAINT after applying primer. Under Coating with Anti Corrosive Treatment for cement & rust and polyurethane paint. The preferred colour shade should be as under.1. MAST (Bottom Section) - WHITE2. MAST (Top 20 ft. Section) - RED3. CROWN - REDPage 3 of 604. RACKING BOARD - WHITE5. ALL HAND RAILS - YELLOW6. MUD PUMPS - BLUE7. MUD PUMP SKID - GREY8. TRAVELLING BLOCK - YELLOW9. DRAW-WORKS - BLUE10. AIR TANK / UTILITY HUT - WHITE11. MUD & WATER TANK - GREY12. VFD CONTROL ROOM - WHITE13. HSD TANK - SILVER*All operating and warning labels on equipment should be in English.** OIL logo plate shall be provided / riveted on Doghouse (Back and catwalk side).*** Rig Number shall be prominently displayed on the displayed on the Racking board wind cover.	PAINTING INSTRUCTIONS: At least 3 coats of EPOXY PAINT after applying primer. Under Coating with Anti Corrosive Treatment for cement & rust and polyurethane paint. The preferred colour shade should be as under.1. MAST(BottomSection)-WHITE2. MAST(Top20ft.Section)-RED3. CROWN-RED4. SUB-STRUCTURE INCLUDING STARIS TO DERRICK FLOOR : SLATE GREY / GREY 5. DOG HOUSE , CREW CABIN , DRILLERS CABIN - AS PER OEM' s own colour code for these items6. RACKINGBOARD-WHITE7. ALLHANDRAILS-YELLOW8. MUDPUMPS-BLUE9. MUDPUMPSKID-GREY10. TRAVELLINGBLOCK-YELLOW11. DRAW-WORKS-BLUE12. AIRTANK/UTILITYHUT-WHITE13. MUD&WATERTANK-GREY14. VFDCONTROLROOM-WHITE15. HSDTANK-SILVER*All operating and warning labels on equipment should be in English.**OIL logo plate shall be provided / riveted on Doghouse (Back and catwalk side).***Rig Number shall be prominently displayed on the displayed on the Racking Board Windcover

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
2	Clause No.: 11.10	PRE-DESPATCH INSPECTION:Complete package of drilling rig (with all accessories) after assembling & testing should be offered for inspection & functional testing at Rig Package Integrator's yard by OIL's team (comprising of engineers from Drilling, Rig building, Technical Services, Chemical, Instrumentation , Logistics & Electrical including personnel from Materials Department) prior to dispatch with at least two months' notice. Bidder should indicate their acceptance in the technical bid. Bidders to note that pre dispatch inspection will be carried out by OIL only after receipt of final report from the Third Party Inspection & Certifying Authority (TPICA).The Inspection cum Acceptance process would include but not limited to the following minimum steps/tasks:i) Physical verification/inspection of all the items/fittings/ accessories including all Parts Catalogue, Maintenance & Service Manuals, Schematics, all tools under complete tool kit as well as other tools, all spares as per the Spare Parts List, etc.ii) Operational / functional testing of the Power Packs, Draw-works, Top Drive, Iron Roughneck, Hydraulic Catwalk, Electric & Lighting system, Mud Pumps, Air Compressors, Rig-up & Rigdown sequence, etc.iii) Supplier shall have to take note of any minor modification(s) for operational requirementsuggested by the inspection team and comply with the same at no extra cost.iv) The minutes of inspection process would be prepared at the end of the	PRE-DESPATCH INSPECTION:Complete package of drilling rig (with all accessories) after assembling & testing should be offered for inspection & functional testing at Rig Package Integrator's yard by OIL's team (comprising of engineers from Drilling, Rig building, Technical Services, Chemical, Instrumentation , Logistics & Electrical including personnel from Materials Department) prior to dispatch with at least two months' notice. Bidder should indicate their acceptance in the technical bid. Bidders to note that pre dispatch inspection will be carried out by OIL only after receipt of final report from the Third Party Inspection & Certifying Authority (TPICA).The Inspection cum Acceptance process would include but not limited to the following minimum steps/tasks:i) Physical verification/inspection of all the items/fittings/accessories including all Parts Catalogue, Maintenance & Service Manuals, Schematics, all tools under complete tool kit as well as other tools, all spares as per the Spare Parts List, etc.ii) Operational / functional testing of the Power Packs, Draw-works, Top Drive, Iron Roughneck, Hydraulic Catwalk, Electric & Lighting system, Mud Pumps, Air Compressors, Rig-up & Rigdown sequence, etc.iii) Supplier shall have to take note of any minor modification(s) for operational requirementsuggested by the inspection team and comply with the same at no extra cost.iv) The minutes of inspection process would be prepared at the end of the inspection and jointly signed by all parties.v) Supplier shall confirm in writing compliance of

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		inspection and jointly signed by all parties.v) 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 deliberation with the inspector.vi) Supplier will affect dispatch of the unit only on receipt of OIL's dispatch advice.vii) Any other testing / joint inspection indicated elsewhere in this tender.	all the points raised in the minutes of inspection as well as any other subsequent additions/changes, following deliberation with the inspector.vi) Supplier will affect dispatch of the unit only on receipt of OIL's dispatch advice.vii) Any other testing / joint inspection indicated elsewhere in this tender. INSPECTION & QAPQAP & Factory Acceptance Test: Manufacturer's QAP for the items where API Specification is applicable as per the Tender document shall be sent to OIL for approval. OIL will witness execution of FAT of equipment / structure where API specification is applicable.
3	Clause No 11.4	SPARE PARTS: (For two years maintenance spares) Spares for two years normal operation of all equipment / system should be included in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 2 years from the date of quotation and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. Bidder shall provide technical specifications for general items like Service Hoses, Metallic Tubing, Hose Fittings, Belts, Bearings, pipefittings etc if order is awarded to him.	SPARE PARTS: (For four years maintenance spares) Spares for four years normal operation of all equipment / system should be included in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next four years from the date of commissioning and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. Bidder shall provide technical specifications for general items like Service Hoses, Metallic Tubing, Hose Fittings, Belts, Bearings, pipefittings etc if order is awarded to him.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
4	Clause No 11.9	ANNUAL MAINTENANCE CONTRACT: Bidder should also confirm in their technical bid that they will agree for an Annual Maintenance Contract (AMC) with OIL for carrying out the job as indicated against scope of work on regular basis. The charges for such AMC should be indicated in the commercial bid. The bidder should indicate the year-wise break-up of AMC charges for five years. This will be considered in evaluation of the tenders.	ANNUAL MAINTENANCE CONTRACT: Bidder should also confirm in their technical bid that they will agree for an Annual Maintenance Contract (AMC) with OIL for carrying out the job as indicated against scope of work on regular basis. The charges for such AMC should be indicated in the commercial bid. The bidder should indicate the year-wise break-up of AMC charges for four years. This will be considered in evaluation of the tenders.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
5	Clause No 11.9.1.1	SCOPE OF WORK: AMC Service for comprehensive on-site maintenance of TDS of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive fixed interval of time) as well as unscheduled (emergency call for trouble shooting) services to cut down equipment downtime , to provide an optimum performance and to extend the life of the equipment. The AMC also includes supply of spares for smooth maintenance services. Scope of work extend which includes but not limited to the following: a) Services shall be provided during rig-up & rig-down of TDS.. & inter location movement. b) Services for maintenance, trouble shooting & providing support services during course of a well for keeping the complete TDS packages in excellent operational condition. c) Familiarizing the rig crew with the complete equipments/systems and imparting hands-on training for basic operation, troubleshooting and maintenance. d) Rectification of any problems, abnormalities, anomalies and defects noticed/logged during the course of a well, so that there shall be uninterrupted drilling activity. e) Preparation of inventory and spares list. f) The service provider shall have to carry out maintenance of the bought out items also installed in the TDS package or arrange for the services required from the OEM of such items.	SCOPE OF WORK: AMC Service for non-comprehensive on-site maintenance of TDS of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive fixed interval of time) as well as unscheduled (emergency call for trouble shooting) services to cut down equipment downtime , to provide an optimum performance and to extend the life of the equipment. Scope of work extend which includes but not limited to the following: a) Services shall be provided during rig-up & rig-down of TDS.. & inter location movement. b) Services for maintenance, trouble shooting & providing support services during course of a well for keeping the complete TDS packages in excellent operational condition. c) Familiarizing the rig crew with the complete equipments/systems and imparting hands-on training for basic operation, troubleshooting and maintenance. d) Rectification of any problems, abnormalities, anomalies and defects noticed/logged during the course of a well, so that there shall be uninterrupted drilling activity. e) Preparation of inventory and spares list. f) The service provider shall have to carry out maintenance of the bought out items also installed in the TDS package or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case

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		g) The service provider shall arrange for hiring / summoning the services of technical experts in case site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The AMC shall also cover maintenance of systems/equipments newly added or replaced during operational or statutory requirements. j) The maintenance package shall include services of Service Team along with provision of all special tools, tackles, instruments etc. k) The persons shall be fully conversant with the complete TDS system & controls. They should be physically fit for working in the well site. They should also be able to work with his own hands. l) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, will be made available by OIL. m) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/weekly maintenance of Top Drives. n) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC.	site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The AMC shall also cover maintenance of systems/equipments newly added or replaced during operational or statutory requirements. j) The maintenance package shall include services of Service Team along with provision of all special tools, tackles, instruments etc. k) The persons shall be fully conversant with the complete TDS system & controls. They should be physically fit for working in the well site. They should also be able to work with his own hands. l) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, will be made available by OIL. m) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/weekly maintenance of Top Drives. n) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
6	Clause No 11.9.1.2	SPARES & CONSUMABLES: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of quotation and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/ defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.	SPARES & CONSUMABLES: a) Bidder to include spares for four years AMC of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning of the rig and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
7	Clause No 11.9.2.1	SCOPE OF WORK: AMC Service for comprehensive on-site maintenance of Hydraulic Cat-walk & its Hydraulic control system of newly procured OIL's 3000 HP AC- VFD rig. This AMC service is to provide both scheduled (preventive,) assembly , disassembly as well as unscheduled (emergency call for trouble shooting) services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. The AMC also includes supply of spares for smooth maintenance services. Scope of work extend which includes but not limited to the following: a) Services shall be provided during assembly, dis-assembly unit with control system prior rig-up and after rig-down respectively. b) This AMC service is to provide preventive & schedule maintenance as well as for emergency trouble shooting services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. The AMC also includes supply of spares for smooth maintenance services. Scope of work extend which includes but not limited to the following: c) Familiarizing the rig crew with the complete	SCOPE OF WORK: AMC Service for non-comprehensive on-site maintenance of Hydraulic Cat-walk & its Hydraulic control system of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive,) assembly , disassembly as well as unscheduled (emergency call for trouble shooting) services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. Scope of work extend which includes but not limited to the following: a) Services shall be provided during assembly, dis-assembly unit with control system prior rig-up and after rig-down respectively. b) This AMC service is to provide preventive & schedule maintenance as well as for emergency trouble shooting services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. Scope of work extend which includes but not limited to the following: c) Familiarizing the rig crew with the complete equipment/ systems and imparting hands-on training for basic operation, troubleshooting and maintenance. d) Rectification of any problems, abnormalities,

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		equipment/systems and imparting hands-on training for basic operation, troubleshooting and maintenance. d) Rectification of any problems, abnormalities, anomalies and defects noticed/logged during the course of a well, so that there shall be uninterrupted drilling activity. e) Preparation of inventory and spares list. f) The service provider shall have to carry out maintenance of the bought out items also installed in the Hydraulic Catwalk package or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The AMC shall also cover maintenance of systems/equipments newly added or replaced during operational or statutory requirements. j) The maintenance package shall include services of Service Engineer and the Service team along with provision of all special tools, tackles, instruments. k) The persons shall be fully conversant with the complete Hydraulic Catwalk system & controls. They should be physically fit for working in the well site. They should also be able to work	anomalies and defects noticed/logged during the course of a well, so that there shall be uninterrupted drilling activity. e) Preparation of inventory and spares list. f) The service provider shall have to carry out maintenance of the bought out items also installed in the Hydraulic Catwalk package or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The AMC shall also cover maintenance of systems/equipments newly added or replaced during operational or statutory requirements. j) The maintenance package shall include services of Service Engineer and the Service team along with provision of all special tools, tackles, instruments. k) The persons shall be fully conversant with the complete Hydraulic Catwalk system & controls. They should be physically fit for working in the well site. They should also be able to work with own hands. l) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, will be made

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		with own hands. l) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, will be made available by OIL. m) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/ weekly maintenance of Hydraulic Catwalk. n) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC. o) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.	available by OIL. m) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/weekly maintenance of Hydraulic Catwalk. n) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC. o) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
8	Clause No 11.9.2.2	SPARES & CONSUMABLES: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of quotation and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.	SPARES & CONSUMABLES: a) Bidder to include spares for four years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
9	Clause No 11.9.3.1	SCOPE OF WORK : AMC Service for comprehensive on-site maintenance & trouble shooting of Hydraulic Rig Walking system along with its power source & control system of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive fixed interval of time) as well as unscheduled (emergency call for trouble shooting services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. The AMC also includes supply of spares for smooth maintenance services. Scope of work extend which includes but not limited to the following: a) Familiarizing the rig crew with the complete equipment/system and imparting hands-on training for basic operation, troubleshooting and maintenance. b) Maintenance, troubleshooting & support services during course of a well for keeping the complete Rig walking system in good health. c) Supply of Spares to cover all the preventive & repair maintenance during the course of AMC. d) The service provider shall have to carry out maintenance of the bought out items also installed in the Rig walking package or arrange for the services required from the OEM of such items. e) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost	SCOPE OF WORK : AMC Service for non-comprehensive on-site maintenance & trouble shooting of Hydraulic Rig Walking system along with its power source & control system of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive fixed interval of time) as well as unscheduled (emergency call for trouble shooting services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. Scope of work extend which includes but not limited to the following: a) Familiarizing the rig crew with the complete equipment/system and imparting hands-on training for basic operation, troubleshooting and maintenance. b) Maintenance, troubleshooting & support services during course of a well for keeping the complete Rig walking system in good health. c) DELETED d) The service provider shall have to carry out maintenance of the bought out items also installed in the Rig walking package or arrange for the services required from the OEM of such items. e) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall

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		to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. f) The AMC shall also cover maintenance of systems/equipment newly added or replaced during operational or statutory requirements. g) The maintenance package shall include services of Service Engineer and the Service Team along with provision of all special tools, tackles, instruments. k) The service team shall be fully conversant with the Rig walking system & controls. They should be physically fit for working in the well site. The service personnel shall also be able to work with their own hands. h) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, i) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/ weekly maintenance of the Rig walking system j) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC k) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.	rectify the same to the complete satisfaction of Oil India. f) The AMC shall also cover maintenance of systems/equipment newly added or replaced during operational or statutory requirements. g) The maintenance package shall include services of Service Engineer and the Service Team along with provision of all special tools, tackles, instruments. k) The service team shall be fully conversant with the Rig walking system & controls. They should be physically fit for working in the well site. The service personnel shall also be able to work with their own hands. h) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, i) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/weekly maintenance of the Rig walking system j) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC k) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.

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10	Clause No 11.9.3.2	SPARES & CONSUMABLES: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of quotation and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) . The Service provider should maintain the critical spares at Duliajan during the period of the AMC to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.	SPARES & CONSUMABLES: a) Bidder to include spares for four years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) The Service provider should maintain the critical spares at Duliajan during the period of the AMC to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
11	Clause No 11.9.4.1	SCOPE OF WORK: AMC Service for comprehensive on-site maintenance of Centrifuge along with Feed Pump of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive fixed interval of time) as well as unscheduled (emergency call for trouble shooting) services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. The AMC also includes supply of spares for smooth maintenance services. Scope of work extend which includes but not limited to the following: a) Familiarizing the rig crew with the complete equipment/system and imparting hands-on training for basic operation, troubleshooting and maintenance. b) DELETED c) Maintenance, troubleshooting & support services during course of a well for keeping the complete centrifuge packages in good health. d) Rectification of any problems, abnormalities,	SCOPE OF WORK: AMC Service for non-comprehensive on-site maintenance of Centrifuge along with Feed Pump of newly procured OIL's 3000 HP AC- VFD rig . This AMC service is to provide both scheduled (preventive fixed interval of time) as well as unscheduled (emergency call for trouble shooting) services to cut down equipment down-time , to provide an optimum performance and to extend the life of the equipment. Scope of work extend which includes but not limited to the following: a) Familiarizing the rig crew with the complete equipment/system and imparting hands-on training for basic operation, troubleshooting and maintenance. b) DELETED c) Maintenance, troubleshooting & support services during course of a well for keeping the complete centrifuge packages in good health. d) Rectification of any problems, abnormalities, anomalies and defects noticed/logged during the course of a well, so that there shall be uninterrupted drilling activity.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		anomalies and defects noticed/logged during the course of a well, so that there shall be uninterrupted drilling activity. e) Supply of Spares to cover all the preventive & repair maintenance during the course of AMC. f) The service provider shall have to carry out maintenance of the bought out items also installed in the Centrifuge package or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The AMC shall also cover maintenance of systems/equipment newly added or replaced during operational or statutory requirements. j) The maintenance package shall include services of Service Engineer and the Service Team along with provision of all special tools, tackles, instruments. k) The service team shall be fully conversant with the centrifuge system & controls. They should be physically fit for working in the well site. The service personnel shall also be able to work with their own hands. l) The manpower & tools including OIL's own	e) DELETED. f) The service provider shall have to carry out maintenance of the bought out items also installed in the Centrifuge package or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The AMC shall also cover maintenance of systems/equipment newly added or replaced during operational or statutory requirements. j) The maintenance package shall include services of Service Engineer and the Service Team along with provision of all special tools, tackles, instruments. k) The service team shall be fully conversant with the centrifuge system & controls. They should be physically fit for working in the well site. The service personnel shall also be able to work with their own hands. l) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, m) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/weekly maintenance of

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		workshop facility, if required for carrying out the maintenance & trouble shooting, m) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on Daily/weekly maintenance of the centrifuge. n) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC. o) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.	the centrifuge. n) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC. o) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
12	Clause No 11.9.4.2	SPARES & CONSUMABLES: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of quotation and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.	SPARES & CONSUMABLES: a) Bidder to include spares for four years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
13	Clause No 11.9.5.1	SCOPE OF WORK: AMC Service for comprehensive on-site maintenance of Casing run in Tool with its control system of newly procured OIL's 3000 HP AC- VFD rig. This AMC service is to provide Supervisory services in Tool Assembly, Dis-assembly & casing run in operation with Tool and Maintenance & trouble shooting for smooth operation, cut down equipment down-time, to provide an optimum performance and to extend the life of the equipment. The AMC also includes supply of recommended spares for maintenance & repair. a) Familiarizing the rig crew with the complete equipment/system and imparting hands-on training for operation, basic troubleshooting and maintenance. b) Supervisory services shall be provided during Tool Assembly, Dis-assembly & casing run in operation. c) Shall also carry out necessary maintenance/servicing of the tools/equipment. During visit of Casing run –in operation. d) Rectification of any problems, abnormalities, anomalies and defects noticed during rig-up, rigdown	SCOPE OF WORK: AMC Service for non-comprehensive on-site maintenance of Casing run in Tool with its control system of newly procured OIL's 3000 HP AC- VFD rig. This AMC service is to provide Supervisory services in Tool Assembly, Dis-assembly & casing run in operation with Tool and Maintenance & trouble shooting for smooth operation, cut down equipment down-time, to provide an optimum performance and to extend the life of the equipment. Scope of work extend which includes but not limited to the following: a) Familiarizing the rig crew with the complete equipment/system and imparting hands-on training for operation, basic troubleshooting and maintenance. b) Supervisory services shall be provided during Tool Assembly, Dis-assembly & casing run in operation. c) Shall also carry out necessary maintenance/servicing of the tools/equipment. During visit of Casing run –in operation. d) Rectification of any problems, abnormalities, anomalies and defects noticed during rig-up, rigdown and casing running operation, so that there shall be uninterrupted drilling activity.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		and casing running operation, so that there shall be uninterrupted drilling activity. e) Preparation of inventory and spares list. Supply of spares. f) The service provider shall have to carry out maintenance of the bought out items also installed in the Casing Running Tool or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The maintenance package shall include services of Service Engineer and the Service Team along with provision of all special tools, tackles, instruments. j) The service team shall be fully conversant with the Casing Running Tool& controls. They should be physically fit for working in the well site. The service personnel(s) shall also be able to work with their own hands. k) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, will be made available by OIL. l) The Service Provider shall provide a detailed	e) Preparation of inventory and spares list. f) The service provider shall have to carry out maintenance of the bought out items also installed in the Casing Running Tool or arrange for the services required from the OEM of such items. g) The service provider shall arrange for hiring / summoning the services of technical experts in case the site engineer is unable to rectify/ troubleshoot a particular problem, at no extra cost to OIL. h) In case any defect or functional anomaly is noticed/predicted during any maintenance activity, or pointed out by Oil India, SERVICE PROVIDER shall rectify the same to the complete satisfaction of Oil India. i) The maintenance package shall include services of Service Engineer and the Service Team along with provision of all special tools, tackles, instruments. j) The service team shall be fully conversant with the Casing Running Tool& controls. They should be physically fit for working in the well site. The service personnel(s) shall also be able to work with their own hands. k) The manpower & tools including OIL's own workshop facility, if required for carrying out the maintenance & trouble shooting, will be made available by OIL. l) The Service Provider shall provide a detailed maintenance check list detailing OIL INDIA LTD's responsibility on periodic maintenance of the Casing Running Tool. m) The personnel(s) of service provider should

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		maintenance check list detailing OIL INDIA LTD's responsibility on periodic maintenance of the Casing Running Tool. m) The personnel(s) of service provider should preferably be Indian citizens and fully trained by service provider to carry out the AMC. n) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.	preferably be Indian citizens and fully trained by service provider to carry out the AMC. n) Accommodation, food, boarding & lodging will NOT be provided by OIL and that is the service provider's scope.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
14	Clause No 11.9.5.2	SPARES & CONSUMABLES: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of quotation and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.	SPARES & CONSUMABLES: a) Bidder to include spares for four years AMC of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning of the rig and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
15	Clause No 11.9.6.2.C	C. Spares & consumables: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of commissioning of the rig and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.	C. Spares & consumables: a) Bidder to include spares for four years AMC of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning of the rig and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. OIL shall not be bound to purchase any un-used spares from the contractor at any point in time. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
16	Clause No 11.9.7.2	SPARES & CONSUMABLES: a) Bidder to include spares for two years of normal operation of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The cost of spares will be considered for price comparison. The price of such spares shall not be revised for next 2 years from the date of commissioning of the rig and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. c) Replaced defective spares shall be deposited to Oil India Limited.	SPARES & CONSUMABLES: a) Bidder to include spares for four years AMC of all equipment / system in the offer indicating item, part no. & quantity required. Item wise price of such spares should also be provided in commercial bid. Bidder should indicate the part nos. against each item along with OEM's part no. if any. The price of such spares shall not be revised for next 5 years from the date of commissioning of the rig and OIL can place orders at any time during this period. Bidders must confirm the same along with the availability of spares for next 10 years. b) Spares which are not available with OIL shall be provided by the service provider after taking prior approval from OIL for the Rate/terms and condition/ terms of delivery. The Service provider should maintain the critical spares at Duliajan during the period of the AMC which are not available with OIL to facilitate immediate replacement of damaged/defective equipment to ensure minimum downtime. c) Replaced defective spares shall be deposited to Oil India Limited.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
	11.12	MAKE OF RIG ACCESSORIES: Make of rig accessories for supply with rig package should be as per the undernoted preferred options:	Please refer separate Section 11.12

11.12.a MAKE OF CRITICAL RIG ACCESSORIES: Make of rig accessories for supply with rig package should be as per the undernoted options:		
SL No	Equipment/Item	Make / Name of Vendor
1	1.MAST & SUB-STRUCTURE 2.CROWN BLOCK 3. DRAW WORKS 4. TOP DRIVE 5. DRILLING CONTROL SYSTEM	OEM

11.12.b MAKE OF GENERAL RIG ACCESSORIES: Make of rig accessories for supply with rig package should be as per the undernoted preferred options:		
SL No	Equipment/Item	Make / Name of Vendor
1	500-KVA, AUX. DGSET	1. CATERPILLAR 2. CUMMINS 3. JACKSON, INDIA 4. SUDHIR POWER LTD, INDIA 5. POWERICA LTD, INDIA 6. KIRLOSKAR (KOEL) 7. GREAVES LTD. 8. MAHINDRA POWEROL

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2	TRAVELLING BLOCK & HOOK	1. OEM of the Rig 2. NOV 3. BENTEC 4. AMERICAN BLOCK 5. CAMERON	2	HIGH PRESSURE MUD HOSE (ROTARY AND VIBRATORY)	1. GATES CORPORATION /IOLA FACILITY 2. CONTITECH RUBBER INDUSTRIAL LTD. 3. DUNLOP ARGENTINA S.A.
3	HYDRAULIC CATWALK	1. OEM of the Rig 2. NOV 3. BENTEC 4. CANRIG 5. DRILLMEC	3	HIGH PRESSURE GAUGES	1. CAMERON INSTRUMENTS, CANADA 2. NATIONAL OILWELL VARCO 3. OTECOINC, USA 4. WAGNER INSTRUMENTS, USA
4	DEADLINE ANCHOR	1. NOV 2. BENTEC 3. AMERICAN BLOCK 4. HERCULES 5. CAMERON	4	CENTRIFUGAL PUMPS (FOR USAGE AS DESANDER, DESILTER, DEGASSER, SUPERCHARGER, MUD MIXING PUMPS)	1. NATIONAL OILWELL VARCO 2. ADROIT, INDIA 3. KHALSA, INDIA 4. HARRISBURG 5. SPD BAKER 6. MUD HOG 7. TENGLE MISSION 8. GRW, INDIA 9. KIRLOSKAR, INDIA 10. JEE PUMPS PVT LTD, INDIA
5	CASING RUN IN TOOL	1. NOV 2. CANRIG 3. TESCO 4. WEATHERFORD	5	HP VALVES	1. OTECO INC., USA 2. AUDCO (L&T VALVES), INDIA 3. WOM, INDIA 4. DEMCO (CAMERON), USA

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6	JET SHEARING DEVICE	1. OEM of the Rig 2. MI SWACO 3. ELGIN	6	RIG ALTERNATORS	1. KATO (NIDEC) 2. BHEL 3. CATERPILLAR (CAT) 4. GENERAL ELECTRIC
7	BOP HANDLING SYSTEM	1. INGERSOLL RAND 2. SCHLUMBERGER 3. JDN NEUHANS 4. RAM	7	AC VFD DRILLING MOTORS (EXCEPT TOP DRIVE)	1. GENERAL ELECTRIC (WABTEC) 2. ABB 3. BENTEC 4. NOV 5. RIG OEM OWN MAKE
8	ROTARY TABLE	1. OEM OF THE RIG 2. AMERICAN BLOCK COMPANY 3. DRILLMEC S.P.A. 4. CAMERON 5. NATIONAL OILWELL VARCO	8	VFD SYSTEM	1. ABB 2. SIEMENS 3. RIG OEM OWN MAKE
9	MASTERBUSHING / ROTARYSLIP (HYDRAULIC)	1. NATIONAL OILWELL VARCO 2. FORUM BLOHM+VOSS OI LTOOLS GMBH/BVOT, GERMANY 3. FORUM ENERGY TECHNOLOGIES 4. Den-ConToolCompany Ltd.	9	ADVANCED INSTRUMENTATION SYSTEM & SENSORS	1. NATIONAL OILWELL VARCO
10	HYDRAULIC CATHEAD	1. NATIONAL OILWELL VARCO 2. BENTEC 3. DRILLMEC			

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11	DISC BRAKE(AUXILIARY) OF DRAW-WORKS BRAKE	1. EATON CORPORATION 2. NATIONAL OILWELL VARCO 3. WICHITA CLUTCH, USA
12	LINEAR MOTION SHALE SHAKERS, LINEAR MOTION MUD CLEANER VACUUM DEGASSER,	1. DERRICK EQUIPMENT CO., USA 2. NATIONAL OILWELL VARCO 3. MI SWACO
13	PNEUMATIC WINCHES	1. INGERSOLL RAND2. BRADEN,USA3. EMCE
14	AIR COMPRESSOR	1 SULLAIR, USA 2. INGERSOLL RAND INTERNATIONAL 3. ELGI, INDIA 4. CHICAGO PNEUMATIC 5. KAESERKOMPRESSOREN, GERMANY 6. ATLASCOPCO
15	POWER PACK ENGINE	CATERPILLAR
16	ELEVATOR LINK	1. NOV 2. FORUM ENERGY TECHNOLOGY, 3.TEXAS INTERNATIONAL

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17	MUD PUMP	1. GARDNER DENVER 2. NATIONAL OILWELL VARCO 3. MHWIRTH, GERMANY 4. DRILLMEC 5. RIG OEM OWN MAKE
18	HIGH PRESSURE MUD HOSE	1. GATES CORPORATION /IOLA FACILITY 2. CONTITECH RUBBER INDUSTRIAL LTD. 3. DUNLOP ARGENTINA S.A.
19	IRON ROUGHNECK	1. National Oilwell Varco 2. BENTEC 3. FORUM 4. DRILLMEC 5. CANRIG
20	POWER SLIPS (HYDRAULICS)	1. NATIONAL OILWELL VARCO 2. BLOHM+VOSS OIL TOOLS GMBH 3. FORUM ENERGY TECHNOLOGIES 4. DEN-CONTOOLCOMPANY LTD., USA
21	CASING / DRILLING LINE	1. BRIDON AMERICAN CORP. 2. USHA MARTIN LIMITED. 3. WIRE ROPE CORPORATION OF AMERICA INC.
22	ROTARY HOSE	1. DUNLOP ARGENTINA 2. CONTINENTAL 3. GATES CORPORATION

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23	RIG WALKING SYSTEM	1. OEM OF THE RIG 2. CANRIG 3. SCHLUMBERGER
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		SECTION 12: TRANSPORT DIMENSIONS & WEIGHT LIMITATIONS	
Sl. No.	Tender Clause No.	Existing Tender Clause Description	Modified Clause Description

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		The bidder shall provide the transport dimensions for exceptional items [after dismantling (if any)]in the offered rig package as per table in clause 1.3.a	The bidder shall provide the transport dimensions for exceptional items [after dismantling (if any)]in the offered rig package as per table in clause 12.3.1																																																												
2	12.1.3	Transport dimensions for Special Items : For all special items , the bidder shall provide the transport dimensions (LXWXH) [after dismantling (if any)] of these items in format mentioned in Table of Clause 1.3.b	Transport dimensions for Special Items : For all special items , the bidder shall provide the transport dimensions (LXWXH) [after dismantling (if any)] of these items in format mentioned in Table of Clause 12.3.2																																																												
3	12.2.2	b. Transport Weight of Exceptional Items: For exceptional items the limiting weights [after dismantling (if any)] shall be as follows. <table><tr><th>S. No.</th><th>Details of the item</th><th>Limiting Transport Weight (kg)</th></tr><tr><td>1</td><td>PCR</td><td>35000</td></tr><tr><td>2</td><td>Catwalk</td><td>24000</td></tr><tr><td>3</td><td>V-ramp</td><td>24000</td></tr><tr><td>4</td><td>Sub-base parts</td><td>35000</td></tr><tr><td>5</td><td>Mud Tank</td><td>24000</td></tr><tr><td>6</td><td>Powerpack</td><td>35000</td></tr><tr><td>7</td><td>Drawworks</td><td>35000</td></tr><tr><td>8</td><td>Top Drive</td><td>22000</td></tr><tr><td>9</td><td>Mud pump</td><td>40000</td></tr></table>	S. No.	Details of the item	Limiting Transport Weight (kg)	1	PCR	35000	2	Catwalk	24000	3	V-ramp	24000	4	Sub-base parts	35000	5	Mud Tank	24000	6	Powerpack	35000	7	Drawworks	35000	8	Top Drive	22000	9	Mud pump	40000	Transport Weight of Exceptional Items: For exceptional items the limiting weights [after dismantling (if any)] shall be as follows. <table><tr><th>S. No.</th><th>Details of the item</th><th>Limiting Transport Weight (kg)</th></tr><tr><td>1</td><td>PCR</td><td>35000</td></tr><tr><td>2</td><td>Catwalk</td><td>24000</td></tr><tr><td>3</td><td>V-ramp</td><td>24000</td></tr><tr><td>4</td><td>Sub-base parts</td><td>35000</td></tr><tr><td>5</td><td>Mud Tank</td><td>24000</td></tr><tr><td>6</td><td>Powerpack</td><td>35000</td></tr><tr><td>7</td><td>Drawworks</td><td>35000</td></tr><tr><td>8</td><td>Top Drive</td><td>22000</td></tr><tr><td>9</td><td>Mud pump</td><td>40000</td></tr></table>	S. No.	Details of the item	Limiting Transport Weight (kg)	1	PCR	35000	2	Catwalk	24000	3	V-ramp	24000	4	Sub-base parts	35000	5	Mud Tank	24000	6	Powerpack	35000	7	Drawworks	35000	8	Top Drive	22000	9	Mud pump	40000
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6	Powerpack	35000																																																													
7	Drawworks	35000																																																													
8	Top Drive	22000																																																													
9	Mud pump	40000																																																													

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		The bidder shall provide the transport weights for these items as per table in clause 1.3.a.	The bidder shall provide the transport weights for these items as per table in clause 12.3.1																																																																																																									
4	12.2.3	Transport Weight of Special Items : For any Special item , the transport weight [after dismantling (if any)] shall not exceed 35000kg.The bidder shall provide the transport weight of these items in format mentioned in Table of Clause 1.3.b.	Transport Weight of Special Items : For any Special item , the transport weight [after dismantling (if any)] shall not exceed 35000kg.The bidder shall provide the transport weight of these items in format mentioned in Table of Clause 12.3.2 .																																																																																																									
5	12.3.1	b. Transport Dimensions and weights of exceptional items (To be filled by the bidder):	b. Transport Dimensions and weights of exceptional items (To be filled by the bidder):																																																																																																									
		<table><tr><th>S. No.</th><th>Details of the item</th><th>Details of Disassembly required prior to transportation (if any)</th><th>Actual Transport Length (mm)</th><th>Actual Transport width (mm)</th><th>Actual Transport Height (mm)</th><th>Actual Transport Weight (kg)</th></tr><tr><td>1</td><td>PCR</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>Catwalk</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>V-ramp</td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td>Sub-base parts</td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>Mud Tank</td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td>Powerpack</td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td>Drawworks</td><td></td><td></td><td></td><td></td></tr></table>	S. No.	Details of the item	Details of Disassembly required prior to transportation (if any)	Actual Transport Length (mm)	Actual Transport width (mm)	Actual Transport Height (mm)	Actual Transport Weight (kg)	1	PCR					2	Catwalk					3	V-ramp					4	Sub-base parts					5	Mud Tank					6	Powerpack					7	Drawworks					<table><tr><th>S. No.</th><th>Details of the item</th><th>Details of Disassembly required prior to transportation (if any)</th><th>Actual Transport Length (mm)</th><th>Actual Transport width (mm)</th><th>Actual Transport Height (mm)</th><th>Actual Transport Weight (kg)</th></tr><tr><td>1</td><td>PCR</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>Catwalk</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>V-ramp</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td>Sub-base parts</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>Mud Tank</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td>Powerpack</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td>Drawworks</td><td></td><td></td><td></td><td></td><td></td></tr></table>	S. No.	Details of the item	Details of Disassembly required prior to transportation (if any)	Actual Transport Length (mm)	Actual Transport width (mm)	Actual Transport Height (mm)	Actual Transport Weight (kg)	1	PCR						2	Catwalk						3	V-ramp						4	Sub-base parts						5	Mud Tank						6	Powerpack						7	Drawworks					
		S. No.	Details of the item	Details of Disassembly required prior to transportation (if any)	Actual Transport Length (mm)	Actual Transport width (mm)	Actual Transport Height (mm)	Actual Transport Weight (kg)																																																																																																				
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8	Top Drive							8	Top Drive						
	Mud pump							9	Mud pump						

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6	12.3.2	a. Details of Special items (To be filled by the bidder): Format for declaration of Items exceeding allowable transport dimension and/or weight ranges: <table><tr><th>S. No.</th><th>Details of the item</th><th>Details of Disassembly required prior to transportation (if any)</th><th>Transport Length (mm)</th><th>Transport width (mm)</th></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td></tr></table> *Note: Bidder may add additional rows as per requirement.	S. No.	Details of the item	Details of Disassembly required prior to transportation (if any)	Transport Length (mm)	Transport width (mm)	1					2					3					Details of Special items (To be filled by the bidder): Format for declaration of Items exceeding allowable transport dimension and/or weight ranges: <table><tr><th>S. No.</th><th>Details of the item</th><th>Detail s of Disass embly requir ed prior to transp ortati on (if any)</th><th>Tran sport Leng th (mm)</th><th>Trans port width (mm)</th><th>Tran spor t Heig ht (mm)</th><th>Transpor t Weight (kg)</th></tr><tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> *Note: Bidder may add additional rows as per requirement.	S. No.	Details of the item	Detail s of Disass embly requir ed prior to transp ortati on (if any)	Tran sport Leng th (mm)	Trans port width (mm)	Tran spor t Heig ht (mm)	Transpor t Weight (kg)	1							2							3						
		S. No.	Details of the item	Details of Disassembly required prior to transportation (if any)	Transport Length (mm)	Transport width (mm)																																													
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1																																																			
2																																																			
3																																																			
7	12.3.3	Bidder to provide technical drawings for all the exceptional items as well as Special items (if any, declared in Clause 1.3.b), along with the technical bid, clearly indicating the following: Overall Dimensions and weight of the item Components to be disassembled for transportation. Final Transport Weight & Transport dimensions after the recommended disassembly. Lifting lugs & lifting arrangement	Bidder to provide technical drawings for all the exceptional items as well as Special items (if any, declared in Clause 12.3.2.), along with the technical bid, clearly indicating the following: Overall Dimensions and weight of the item Components to be disassembled for transportation. Final Transport Weight & Transport dimensions after the recommended disassembly. Lifting lugs & lifting arrangement																																																

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
SECTION – 14: EQUIPMENT/CONSUMABLES/ SPARES							
Sl. No	Corresponding Section/ Clause	Description of Spare	Quantity required	UOM	Description of Spare	Quantity required	UOM
1	9.10.5.1.14	Alternator (415VAC mentioned in section 9.9.1) for 500kVA Aux. Power Pack-Spare	1	No.	Alternator (415VAC mentioned in section 9.9.1) for 500kVA(minimum) Aux. Power Pack-Spare	1	No.
2	9.10.5.1.16	PLC/ SBC/PAC system spares (set containing-PLC, IOs, PS, IM etc.)	1	Set	PLC/ SBC/PAC system spares (complete set containing-PLC CPU, IOs, PS, IM etc.)	1	Set
3	9.10.5.1.17	Air Conditioner for PCRs	1	No.	Air Conditioner for PCRs (one no. of each type/rating HVAC)	1 (of each type /rating)	No.
4	9.10.5.1.21	Top Drive Hydraulic Motor	1	No.	a. Top Drive Hydraulic Motor	1	No.
					b. Top Drive Hydraulic heat exchanger fan motor	1	No.
5	9.10.5.2.4	Movistor of each type for Generator of Rig power pack	3	No.	Movistor of each type for Generator of Rig power pack	03 (of each type / rating)	No.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
6	9.10.5.2.5	Control fuses of each type / rating (for PCR, Drillers cabin, MP console etc.)	10	No.	Control fuses of each type / rating (for PCR, Drillers cabin, MP console etc.)	10 (of each type / rating)	No.
7	9.10.5.2.6	Fuse holder set of each type (base and carrier) (for PCR, Drillers cabin, MP console etc.)	2	No.	Fuse holder set of each type (base and carrier) (for PCR, Drillers cabin, MP console etc.)	02 (of each type / rating)	No.
8	9.10.5.2.7	Control switches of each type (for PCR, Drillers cabin, MP console etc.)	1	Set	Control switches of each type (for PCR, Drillers cabin, MP console etc.)	01 (of each type)	Set
9	9.10.5.2.8	Indicating meters of each type (for PCR, Drillers cabin, MP console etc.)	1	Set	Indicating meters of each type (for PCR, Drillers cabin, MP console etc.)	01 (of each type)	Set
10	9.10.5.2.9	Control pots of each type (for PCR, Drillers cabin, MP console etc.)	1	Set	Control pots of each type (for PCR, Drillers cabin, MP console etc.)	01 (of each type)	Set
11	9.10.5.2.10	Control relays of each type (for PCR, Drillers cabin, MP console etc.)	2	Set	Control relays of each type (for PCR, Drillers cabin, MP console etc.)	02 (of each type)	Set
12	9.10.5.2.11	Contactors of each type (for PCR, Drillers cabin, MP console etc.)	2	Set	Contactors of each type/rating (for PCR, Drillers cabin, MP console etc.)	02 (of each type /rating)	Set

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
13	9.10.5.2.12	a. Diodes for VFD Converter/rectifier module (for complete bridge)	2	Set	a. Diodes for VFD Converter/rectifier module (each set containing 6 nos. diodes for complete bridge)	2	Set
		b. IGBT for VFD module (for complete bridge)	2	Set	b. IGBT for VFD module (each set containing 6 nos. IGBTs for complete bridge)	2	Set
14	9.10.5.2.13	Power fuse and control fuse for diodes (rectifier section) of each type/rating	2	Set	Power fuse and control fuse for diodes (rectifier section) of each type/rating	02 (of each type /rating)	Set
15	9.10.5.2.15	Critical spare for VFD rectifier unit (PCB of each type (if any), HMI)	4	Set	Critical spare for VFD rectifier unit (PCB, controller of each type used in VFD rectifier panels , HMI)	04 (PCB, controller of each type used)	Set
16	9.10.5.2.16	Critical spare for Inverter/ VFD unit module (PCB of each, HMI)	6	Set	Critical spare for Inverter/ VFD unit module (PCB, controller of each type used in VFD Inverter panels , HMI)	06 (PCB, controller of each type used)	Set

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
17	9.10.5.2.18	a. Air circuit breaker/MCCB of each type for PCR– Generator panels	1	No.	a. Air circuit breaker/MCCB of each type for PCR– Generator panels	01(of each type /rating)	No.
		b. Air circuit breaker/MCCB of each type for PCR–Rectifier panels	1	No.	b. Air circuit breaker/MCCB of each type for PCR–Rectifier panels	01(of each type /rating)	No.
		c. Air circuit breaker/MCCB of each type for PCR–Transformer panels	1	No.	c. Air circuit breaker/MCCB of each type for PCR–Transformer panels	01(of each type /rating)	No.
		d. ACB/ Isolator/DC SFU of each type for PCR– Inverter panels (as applicable)	1	No.	d. ACB/ Isolator/DC SFU of each type for PCR– Inverter panels (as applicable)	01(of each type /rating)	No.
18	9.10.5.2.19	Control / relay module for air circuit breaker of each type for PCR-generator/ rectifier/ inverter/ transformer panels	1	No.	Control / relay module for air circuit breaker of each type for PCR-generator, rectifier, inverter, transformer panels	1	No.
19	9.10.5.2.22	PCB of each type for MPcon/ D'con/ Ground fault/ synchronizing panel/ NGR system	2	Set	PCB of each type for MPcon, D'con, Ground fault, synchronizing panel, NGR system	2	Set

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
20	9.10.5.2.23	Control/ regulating transformer of each type PCR -Generator/ rectifier/inverter/ MPcon/ D'con/ Ground fault circuit etc.	1	No.	Control/ regulating transformer of each type PCR- Generator, rectifier, inverter, MPcon, D'con, Ground fault circuit etc.	1	No.
21	9.10.5.2.24	MCCB for AC motor starters of each Type PCR starter/ feeder Panels	3	No.	MCCB for AC motor starters of each Type PCR starter, feeder Panels	03(of each type /rating)	No.
22	9.10.5.2.25	Contactors for AC motors of each Type PCR starter/ feeder Panels	3	No.	Contactors for AC motors of each Type PCR starter, feeder Panels	03(of each type /rating)	No.
23	9.10.5.2.26	Overload relays of each type PCR starter/ feeder Panels	5	No.	Overload relays of each type PCR starter, feeder Panels	05(of each type /rating)	No.
24	9.10.5.2.27	RCD/RCBO of each type PCR starter/ feeder Panels	3	No.	RCD/RCBO of each type PCR starter, feeder Panels	03(of each type /rating)	No.
25	9.10.5.2.31	Selector switch of each type Generator panel/ MP console/ D'Con/ Drillers cabin etc.	10	No.	Selector switch of each type Generator panel, MP console, D'Con, Drillers cabin etc.	10	No.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
26	9.10.5.2.32	Components of synchronizing system	1	Set	Components of synchronizing system (Controller, synchronizing lamps, synchroscope, synch. Switch etc.)	1	Set
27	9.10.5.2.34	a. Spare motor for Air compressor unit	1	No.	a. Spare motor for Air compressor unit	1	No.
		b. Spare motor for Hydraulic unit	1	No.	b. Spare motor for Hydraulic unit (HPU)	01(of each type /rating)	No.
28	9.10.5.2.35	Light fittings of each type/wattage for General Area illumination (non-Ex)-Spare	10	No.	Light fittings of each type/wattage for General Area illumination (non-Ex)-Spare	10 (of each type /wattage)	No.
29	9.10.5.2.36	Light fittings of each type/wattage for Hazardous Area illumination (Ex)-Spare	10	No.	Light fittings of each type/wattage for Hazardous Area illumination (Ex)-Spare	10 (of each type /wattage)	No.

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
30	9.10.5.2.37	Plug and receptacle set of each type (used in PCR, Cable extender house, Z-tray, D'con, MPcon, Derrick Floor, socket board of 500 KVA genset and isolation & lighting transformer hut)	12	Set	Plug and receptacle set of each type & ratings (used in PCR, Cable extender house, Z-tray, D'con, MPcon, Derrick Floor, socket board of 500KVA (minimum) genset and isolation & lighting transformer hut)	12 (of each type & ratings) Also refer to Clause no. 9.5.3.15.9	Set
SECTION – 14: EQUIPMENT/CONSUMABLES/ SPARES: TS DRILLING							
		EXISTING TENDER CLAUSE			AMENDED CLAUSE		
Sl. No	Corresponding Section/ Clause	Description of Spare	Quantity required	UOM	Description of Spare	Quantity required	UOM
1	Clause No 1.11 Sr No2 page 19 Of 36	4" flanged gate valve, Max WP 7500 Psi	3	NO	5" flanged gate valve, Max WP 7500 Psi	3	NO
2	Clause No 1.11 Sr No3 page 19 Of 36	Repairing kit ,4" flanged gate valve, 7500PSI MWP	15	SET	Repairing kit, 5" flanged gate valve, 7500PSI MWP	15	SET
3	Clause No 1.11 Sr No7 page 19 Of 36	3.1/2" ID x 5 Ft, vibratory hose Grade E, 7500 PSI WP	4	NO	4" ID x 5 Ft, vibratory hose Grade E, 7500 PSI WP	4	NO

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
4	Clause No 4.7 Sr No56 page 23 Of 36	4" flanged gate valve, Max WP 7500 Psi	3	NO	5" flanged gate valve, Max WP 7500 Psi	3	NO
5	Clause No 4.7 Sr No57 page 24 Of 36	Repairing kit ,4" flanged gate valve, 7500PSI MWP	15	SET	Repairing kit, 5" flanged gate valve, 7500PSI MWP	15	SET
6	Clause No 4.7 Sr No61 page 24 Of 36	3.1/2" ID x 5 Ft, vibratory hose Grade E, 7500 PSI WP	4	NO	4" ID x 5 Ft, vibratory hose Grade E, 7500 PSI WP	4	NO
7	Clause No. 4.13	171. Vertical Dump Valve, Complete	2	Nos	171. Vertical Dump Valve, Complete (of each type)	2	Nos
8	Clause No. 8	277. Low pressure Hoses of all sizes offered against the rig –	2	Sets	277. Low pressure Hoses of all sizes offered against the rig (of each size, type & ratings)	2	Sets
SECTION – 14: EQUIPMENT/CONSUMABLES/ SPARES: INSTRUMENTATION							
		EXISTING TENDER CLAUSE			AMENDED CLAUSE		
Sl. No	Corresponding Section/ Clause	Description of Spare	Quantity required	UOM	Description of Spare	Quantity required	UOM
1	10.10.2.[E].(a)	All field sensors used, for monitoring and control of Drawworks	1	Set	Spares for monitoring and control of Drawworks (Control Module & each type of I/O Module, sensor & electrical solenoid valve)	1	Set

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
2	10.10.2.[E].(b)	Control Module & all field sensors used for monitoring and control of TDS	1	Set	Spares for monitoring and control of Top Drive (Control Module & each type of I/O Module, sensor & electrical solenoid valve)	1	Set
3	10.10.2.[E].(c)	Control Module & all field sensors used for monitoring and control of of Hydraulic Cathead	1	Set	Spares for monitoring and control of Hydraulic Cathead(Control Module & each type of I/O Module, sensor & electrical solenoid valve)	1	Set
4	10.10.2.[E].(d)	Control Module & all field sensors used for monitoring and control of Iron Roughneck	1	Set	Spares for monitoring and control of Iron Roughneck (Control Module & each type of I/O Module, sensor & electrical solenoid valve)	1	Set
5	10.10.2.[E].(f)	NEW CLAUSE			Spares for monitoring and control of Vertical Pipe Handling System (Control Module & each type of I/O Module, sensor & electrical solenoid valve)	1	Set
6	10.10.2.[E].(g)	NEW CLAUSE			Spares for monitoring and control of Hydraulic Catwalk (Control Module & each type of I/O Module, sensor & electrical solenoid valve)	1	Set

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description			Modified Clause Description		
SECTION – 14: EQUIPMENT/CONSUMABLES/ SPARES: RIG BUILDING							
		EXISTING TENDER CLAUSE			AMENDED CLAUSE		
Sl. No	Corresponding Section/ Clause	Description of Spare	Quantity required	UOM	Description of Spare	Quantity required	UOM
1	2.1.11.1 / SI No 2 of Mandatory Spare List	Wash pipe assembly with Five (5) sets of packing.	2	SET	TDS Wash pipe assembly with repair kit	2	SET
2	2.3 / SI No 10 of Mandatory Spare List	Casing line spooler	2	SET	DELETED		
APPENDIX – AA- IV - SCOPE OF WORK FOR INSTALLATION & COMMISSIONING							
1	1	Bidders shall confirm categorically that Installation & Commissioning of the Rig Package with all accessories would be carried out by their competent personnel at OIL's designated drill site, in Duliajan, ASSAM, INDIA.			Bidders shall confirm categorically that Installation & Commissioning of the Rig Package with all accessories would be carried out by their competent personnel at OIL's designated drill site.		
2	2	The scope of installation and commissioning shall include the complete Rig and equipment supplied with the Rig package. Bidders should specifically note that commissioning for rig electricals will be in two stages.			The scope of Installation and commissioning shall include the complete Rig and equipment supplied with the Rig package.		
3	7	The basic facilities required for installation & commissioning such as Crane service, electric power, water supply, pressurized air and welding & cutting set shall be provided by OIL. Rig-up at designated site will be the responsibility of OIL			The basic facilities required for installation & commissioning such as Crane service, electric power, water supply, pressurized air and welding & cutting set shall be provided by OIL. Rig-up at designated site will be the responsibility of OIL but, supplier should provide		

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Sl. No.	Tender Clause No. (Page No.)	Existing Tender Clause Description	Modified Clause Description
		but, supplier should provide the supervisory assistance by deputing their competent personnel including API certified welder (if required).	the supervisory assistance by deputing their competent personnel including certified welder (including API certified welder if required), welding rods, transportation of their personnel.
4	8	--	NEW CLAUSE Company will intimate on receipt of rig components and the Rig must be ready for Spud-in within 45days from I&C start date. I&C must start within 10days from date of intimation.
