

OIL INDIA LIMITED
(A GOVT. OF INDIA ENTERPRISE)

CONTRACTS DEPARTMENT, DULIAJAN

DISTRICT: DIBRUGARH (ASSAM), PIN-786602

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AMENDMENT NO. 25 DATED 19.03.2024 TO TENDER NO. CDG1979P23 FOR 'HIRING OF INTEGRATED DRILLING SERVICES (IDS-1) FOR EXTENDED REACH DRILLING (ERD), HIGHLY DEVIATED DRILLING (HDD) & MULTILATERAL DRILLING (MLD) WELLS IN ASSAM & ARUNACHAL PRADESH'.

This Amendment to Tender No. CDG1979P23 is issued to notify about the following:

- 1) Amendments to tender clauses are enclosed vide **Annexure-I**, enclosed below.
- 2) The Revised Price Bid Format has been uploaded on OIL's e-Procurement Portal under "**Notes and Attachment**" tab.

All other terms & conditions of the tender including previous amendments (if any) will remain unchanged.

Sd/-

(Z. Das)

Sr. Officer – Contracts (G)

For Chief General Manager – Contracts

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
PART-1: INSTRUCTION TO BIDDERS			
1	22.3 (Page 22 of 440)	Exchange rate risk: Deleted	Exchange Rate Risk: Company will not compensate for any exchange rate fluctuations in respect of the services.
PART-3, SECTION-II: SCOPE OF WORK			
A 2.0 DIRECTIONAL DRILLING SERVICES			
2	A.2.0 DIRECTIONAL DRILLING SERVICES – Note e) (Page 104 of 440)	e) There is a contingency plan to enlarge 6" hole to 7 ⁵ / ₈ " by under reamer in case of drilling and hole stability issues arises while drilling the lower part of the Kopili during drilling of the 6" Hole section. Hence, bidders are requested to confirm the compatibility/suitability of MWD/LWD tool mobilized for 6" hole section can be used for 7 ⁵ / ₈ " hole.	e) There is a contingency plan to enlarge 6" hole to 7⁵/₈" or 7⁷/₈" (i.e., 6" x 7⁵/₈" or 6" x 7⁵/₈") by under reamer in case of drilling and hole stability issues arises while drilling the lower part of the Kopili during drilling of the 6" Hole section. Hence, bidders are requested to confirm the compatibility/suitability of MWD/LWD tool mobilized for 6" hole section can be used for 7⁵/₈" or 7⁷/₈" hole.
3	2.3.7 (i) 2) (Page 114 of 440)	2) Bidder should confirm that equipment/ material supplied by them will be inspected/tested at their cost and verified by an ISO/IEC17020(standard for conformity assessment i.e., requirements for the operation of various types of bodies performing inspection) certified TPI agency providing QA/QC services to oilfield & oilfield & another industrial sector.	2) Bidder should confirm that equipment/ material supplied by them will be inspected/tested at their cost and verified by an ISO/IEC17020/ DS-1 (standard for conformity assessment i.e., requirements for the operation of various types of bodies performing inspection) certified TPI agency providing QA/QC services to oilfield & oilfield & another industrial sector.
4	2.3.8 MWD/LWD for 12.25x13.5, 9.5, 8.5, 6in hole section (i) (Page 116 of 440)	i) MWD/LWD services consisting of real time Directional, Gamma, Resistivity, Density (four quadrants), Neutron porosity, Annulus Pressure and Annulus Temperature, Sonic while drilling (wherever applicable), FPWD, NMR (wherever applicable) should have two-way communication system i.e., real time up link and down link facility with mud pulse telemetry	i) MWD/LWD services consisting of real time Directional, Gamma, Resistivity, Density (four quadrants), Neutron porosity, Annulus Pressure and Annulus Temperature, Sonic while drilling (wherever applicable) , FPWD (6" callout), NMR (wherever applicable) should have two-way communication system i.e., real time up link and down link facility with mud pulse telemetry

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
5	2.3.10 LWD measurements (Page 117 of 440)	Resistivity, Gamma ray, density, neutron porosity, sonic while drilling along with all other callout items under the scope of the contract for hole sizes of 12¼", 12¼"x13½", 9½", 8½" & 6" should be combinable & compatible with MWD and other LWD equipment. The provision of real time data transmission should exist. Data is also to be recorded in memory mode as well. Data also is to be recorded while running in/ reaming/pulling out by back reaming with pump-on/off mode. Tools should work with temperature of 120° C or more, Pressure rating: 18000 PSI or more, Tool curvature: 6.5° / 100' (Rotary) or better.	<i>Resistivity, Gamma ray, density, neutron porosity, sonic while drilling along with all other callout items under the scope of the contract for hole sizes of 12¼", 12¼"x13½", 9½", 8½" & 6" should be combinable & compatible with MWD and other LWD equipment. The provision of real time data transmission should exist. Data is also to be recorded in memory mode as well. Data also is to be recorded while running in/ reaming/pulling out by back reaming with pump-on/off mode. Tools should work with temperature of 120° C or more, Pressure rating: 18000 PSI or more, Tool curvature: 6.5° / 100' (Rotary) or better.</i>
6	2.4 Data Deliverable of Regular Package (Page 118-119 of 440)	<ul style="list-style-type: none"> (i) Real time/Memory mode Compressional, Shear and Stonily slowness with integrated travel time, Vp/Vs. (ii) Geo-mechanical properties viz. Young, shear and bulk modulus, Poisson's ratio, etc (dynamic property only). (iii) Rock Mechanical property determination (Dynamic properties only) (iv) Gas zone detection (v) Acoustic porosity (vi) Permeability from Stonely (if feasible). (vii) Evaluation of formation anisotropy around borehole, anisotropy map (if feasible). (viii) Borehole stability analysis and prediction of safe mud window (if feasible). (ix) The post-processed detailed logs/report should be submitted within 72hours of acquisition to OIL's G&G team. 	<p>Deleted</p> <p>(Deliverable of Sonic while Drilling)</p>
7	2.6 Data Deliverables (Post Processed data) (Page 119 of 440)	<ul style="list-style-type: none"> (i) Real time data transmission to surface. (ii) Rust log print of memory data within 24 hrs of memory data collection. (iii) Post processing of data with detailed report should include. (iv) Determination of total and effective porosity, capillary, bound and free fluid volume, pore size distribution, permeability estimation. 	<p>Deleted</p> <p>(Deliverable of NMR)</p>

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		(v) Hydrocarbon typing and quantification. (vi) Continuous saturation profiling. (vii) All answer products relevant to acquisition mode, such as saturation profiling, high resolution processing, T1-T2 profiling, fluid characterization and multi-depth magnetic resonance output. (viii) The Post-processed detailed logs/report should be submitted within 72hours of acquisition to OIL's G&G team.					
8	Table No. 11 (List of tools / Equipment and services as per contract)						
	Sl. No. 5.0 6" Hole section tools & equipment call out basis. (Page 123 of 440)	<table border="1" data-bbox="477 794 1050 858"> <tr> <td data-bbox="477 794 562 858">5.</td> <td data-bbox="562 794 1050 858">6" Hole Section Tools & Equipment-Call Out basis</td> </tr> </table>	5.	6" Hole Section Tools & Equipment-Call Out basis	<table border="1" data-bbox="1344 794 2056 858"> <tr> <td data-bbox="1344 794 1429 858">5.</td> <td data-bbox="1429 794 2056 858"><i>6" Hole section tools & equipment regular and call out basis (As applicable)</i></td> </tr> </table>	5.	<i>6" Hole section tools & equipment regular and call out basis (As applicable)</i>
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Sl. No. 5.7 Sonic while drilling (Optional) (Page 123 of 440)	<table border="1" data-bbox="477 986 1050 1018"> <tr> <td data-bbox="477 986 562 1018">5.7</td> <td data-bbox="562 986 1050 1018">Sonic while drilling (Optional)</td> </tr> </table>	5.7	Sonic while drilling (Optional)	<i>Deleted</i>			
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Sl. No. 5.11 Nuclear Magnetic Resonance (Optional) (Page 123 of 440)	<table border="1" data-bbox="477 1145 1167 1177"> <tr> <td data-bbox="477 1145 562 1177">5.11</td> <td data-bbox="562 1145 1167 1177">Nuclear Magnetic Resonance (Optional)</td> </tr> </table>	5.11	Nuclear Magnetic Resonance (Optional)	<i>Deleted</i>			
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9	Table NO. 12	Specification of RSS suitable for drilling specified hole					

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
Sl No 3 (Page 124 of 440)		3 Nominal OD (9.1/2" RSS) 6 ¾"/6½"	3 Nominal OD (9.1/2" RSS) 8"/6 ¾"/6½"
Sl No 12 (Page 124 of 440)		12 Lost Circulation Material (Max Size & Concentration) (6" RSS) 40 ppb or more of medium to fine nut	12 <i>Lost Circulation Material (Max Size & Concentration) (6" RSS)</i> 35 ppb or more of medium to fine nut

A 3.0 MUD ENGINEERING SERVICES (REVISED)

10	Table No 16, 20, 23 (Page 140, 148 and 152 of 440)	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Name of Chemical</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ROP enhancer (HYDRASPEED/PENETRAX/BARO-LUBE GOLD SEAL)</td> </tr> <tr> <td>4</td> <td>Accretion Inhibitor (PENETRAX/XLR-RATE/DRILZONE L)</td> </tr> <tr> <td>5</td> <td>Encapsulating polymer (HYDRACAP/NEW-DRILL LV/CLAY SYNC II)</td> </tr> <tr> <td>7</td> <td>HP Fluid loss reducer (MIL-PAC LV/BIO-PAQ/ PAC-L/MI-POLYPAC UL)</td> </tr> <tr> <td>8</td> <td>XCD Polymer (XANPLEX /BARAZAN /DUO-VIS)</td> </tr> <tr> <td>13</td> <td>Polyamine-Chloride free (MAX-GUARD/CLAYSEAL PLUS/ HYDRAHIB)</td> </tr> <tr> <td>14</td> <td>Polymeric Sealing agent (MAX SHIELD/POROSEAL PLUS/BDF-1091)</td> </tr> </tbody> </table>	Sl. No.	Name of Chemical	3	ROP enhancer (HYDRASPEED/PENETRAX/ BARO-LUBE GOLD SEAL)	4	Accretion Inhibitor (PENETRAX/ XLR-RATE /DRILZONE L)	5	Encapsulating polymer (HYDRACAP/NEW-DRILL LV/ CLAY SYNC II)	7	HP Fluid loss reducer (MIL-PAC LV/BIO-PAQ/ PAC-L/ MI-POLYPAC UL)	8	XCD Polymer (XANPLEX / BARAZAN /DUO-VIS)	13	Polyamine-Chloride free (MAX-GUARD/ CLAYSEAL PLUS / HYDRAHIB)	14	Polymeric Sealing agent (MAX SHIELD/POROSEAL PLUS/ BDF-1091)	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Changes</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ROP enhancer (HYDRASPEED/PENETRAX/BARALUBE W 839)</td> </tr> <tr> <td>4</td> <td>Accretion Inhibitor (PENETRAX/BXR-L/DRILZONE L)</td> </tr> <tr> <td>5</td> <td>Encapsulating polymer (HYDRACAP/NEW-DRILL LV/EZ MUD)</td> </tr> <tr> <td>7</td> <td>HP Fluid loss reducer (MIL-PAC LV/BIO-PAQ/ PAC-L/ M-I PAC UL)</td> </tr> <tr> <td>8</td> <td>XCD (XANPLEX /BARAZAN D /DUO-VIS)</td> </tr> <tr> <td>13</td> <td>Polyamine-Chloride free (MAX-GUARD/BARASURE W-988/ HYDRAHIB)</td> </tr> <tr> <td>14</td> <td>Polymeric-Sealing agent (MAX SHIELD/POROSEAL PLUS/BARASEAL W-1040)</td> </tr> </tbody> </table>	Sl. No.	Changes	3	ROP enhancer (HYDRASPEED/PENETRAX/ BARALUBE W 839)	4	Accretion Inhibitor (PENETRAX/ BXR-L /DRILZONE L)	5	Encapsulating polymer (HYDRACAP/NEW-DRILL LV/ EZ MUD)	7	HP Fluid loss reducer (MIL-PAC LV/BIO-PAQ/ PAC-L/ M-I PAC UL)	8	XCD (XANPLEX / BARAZAN D /DUO-VIS)	13	Polyamine-Chloride free (MAX-GUARD/ BARASURE W-988 / HYDRAHIB)	14	Polymeric-Sealing agent (MAX SHIELD/POROSEAL PLUS/ BARASEAL W-1040)
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B. 4.0 LINER HANGER SERVICES (CALL OUT)																																			
12	4.1. SERVICE REQUIREMENT	To provide services of Liner Hanger Engineer for running, setting, testing of all Liner Hanger including Liner Tie-Back with Packer	To provide services of Liner Hanger Service along with manpower (Liner Hanger Engineer) for running, setting, testing of																																

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	UNDER LINER HANGER SERVICES: (Page 156 of 440)	on Call Basis i.e., the service should be ready as stand by to be mobilized within 15 days' notice period at designated well site. Bidder may give their own time schedule in this regard.	<i>all Liner Hanger including Liner Tie-Back with Packer as per SoW on Call Basis as per the mobilisation period.</i>																				
13	REVISED TABLE NO. (27): DESCRIPTION OF LINER HANGER (Page 157 of 440)	Kumchai Field (optional)	Deleted																				
14	REVISED TABLE NO. (27): (Baghjan) (Page 157 of 440)	<table border="1"> <tr> <td>3</td> <td>4½"</td> <td>6"</td> <td>7.⅝", 29.7 ppf, P110</td> <td>4½", 12.6 ppf, N-80</td> </tr> </table>	3	4½"	6"	7.⅝", 29.7 ppf, P110	4½", 12.6 ppf, N-80	<table border="1"> <tr> <td>3</td> <td>4½"</td> <td>6"</td> <td>7.⅝", 29.7 ppf, P110</td> <td>4½", 12.6 ppf, L-80</td> </tr> </table>	3	4½"	6"	7.⅝", 29.7 ppf, P110	4½", 12.6 ppf, L-80										
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16	4.1.3 (i)	7⅝" x 29.7 ppf x P-110 liner in 9.½" hole, setting 7⅝" liner hanger against 10¾", 60.7, 110 ppf Hunting Seal Lock XD casing, setting Packer in the annulus (7⅝"X 10¾") and Tie-back. Differential pressure rating across mandrel and elements minimum 5600 psi . Packer classification to be V2 (Baghjan).	<i>7⅝" x 29.7 ppf x P-110 liner in 9.½" hole, setting 7⅝" liner hanger against 10¾", 60.7, 110 ppf Hunting Seal Lock XD casing, setting Packer in the annulus (7⅝"X 10¾") and Tie-back. Differential pressure rating across mandrel and elements minimum 7500 psi. Packer classification to be V1 (Baghjan).</i>																				
17	4.1.3 (v) (Baghjan)	6" EX-80 Expandable liner in 7⅝" hole" (Contingency plan).	6" EX-80 Expandable liner in 7⅝" or 7⅝" hole (Contingency plan).																				

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	(Page 157 of 440)		
18	4.1.3 (vi) Barekuri (Optional) (Page 157 of 440)	7" x 29 ppf x N-80 liner in 8.½" hole, setting 7" liner hanger against 9.⅝", 47 ppf, P110 casing , Hunting Seal Lock XD, setting Packer in the annulus (7" X 9.⅝"). Differential pressure rating across mandrel and elements minimum 10000 psi. Packer classification to be V2 (optional) .	7" x 29 ppf x N-80 liner in 8.½" hole, setting 7" liner hanger against 9.⅝", 47 ppf, N-80 casing , Hunting Seal Lock XD, setting Packer in the annulus (7" X 9.⅝"). Differential pressure rating across mandrel and elements minimum 10000 psi. Packer classification to be V1 (optional) .
19	4.1.3 (vi) Barekuri (Optional) (Page 157 of 440)	4½" x 12.6 x P-110 liner in 6" hole, setting 4.½" liner hanger against 7⅝" , 29 ppf, P110 , Hunting Seal Lock XD casing, setting Packer in the annulus (4.½" x 7.⅝"). Differential pressure rating across mandrel and elements minimum 10000 psi. Packer classification to be V1 or better (optional) .	4.½" x 12.6 x N-80 liner in 6" hole, setting 4.½" liner hanger against 7" , 29 ppf, N-80 , Hunting Seal Lock XD casing, setting Packer in the annulus (4.½" x 7"). Differential pressure rating across mandrel and elements minimum 10000 psi. Packer classification to be V1 or better (optional) .
20	4.1.3 (viii) and (ix) Kumchai (optional) (Page 157 of 440)	Deleted	
21	4.1.4 (vii) (Page 157 of 440)	The liner hanger and running tool needs to be made-up in the workshop and sent to rig site. Also , the preference is the float equipment to be made-up to the corresponding casing joint in the workshop and sent to rig.	Prefreably , the liner hanger & running tool and float equipment to be made-up in the workshop and sent to rig site or as advised by OIL (make up) in both the cases.
22	4.3. TIE BACK SERVICE (Page 162 of 440)	To arrange for and supervise the complete 7⅝" liner tie back operation till completion and test as per Company's policy and satisfaction.	To arrange for and supervise the complete 7⅝" liner tie back operation till completion and test as per Company's policy and satisfaction. The bidder to include all cost including consumables for tie back (Tie back seal stem, packer etc. but not limited) against the line item of "liner hanger with packer" for 7⅝" liner in price bid format as there is no separate line items for the same.

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description												
23	4.4.1 Consumable, Revised Table No. (29)	New Note	<p>Note: An expandable liner hanger comprising the functionality of a conventional liner Top Packer is acceptable.</p>												
24	<p>4.4.1 Consumable, Table No. 29, Section A, SL. No. 5 (Page 163 of 440)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center;">BAGHJAN FIELD</th> </tr> </thead> <tbody> <tr style="background-color: #e0ffe0;"> <td style="width: 80%;">FOR 7⁵/₈" X 29.7PPF X P110 X HUNTING SEAL LOCK XD HUNTING SEAL LOCK XD LINER TO BE SET AGAINST 10³/₄" HOST CASING</td> <td style="width: 20%; text-align: center;">QTY</td> </tr> <tr> <td> <p>1 HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 7⁵/₈" X 29.7 ppf X P110X Hunting Seal Lock XD LINER INSIDE 10³/₄" X 60.7 ppf X P110X Hunting Seal Lock XD CASING.</p> <p>The liner hanger must have sufficient strength to hang liner string in deviated wells, equipped with bi-directional slips and must include a minimum of 15 ft. Tie-Back PBR.</p> <p>The set must include the following:</p> <p>(i) 7⁵/₈"Tie Back Receptacle</p> </td> <td style="text-align: center; vertical-align: bottom;">05</td> </tr> </tbody> </table>	BAGHJAN FIELD		FOR 7⁵/₈" X 29.7PPF X P110 X HUNTING SEAL LOCK XD HUNTING SEAL LOCK XD LINER TO BE SET AGAINST 10³/₄" HOST CASING	QTY	<p>1 HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 7⁵/₈" X 29.7 ppf X P110X Hunting Seal Lock XD LINER INSIDE 10³/₄" X 60.7 ppf X P110X Hunting Seal Lock XD CASING.</p> <p>The liner hanger must have sufficient strength to hang liner string in deviated wells, equipped with bi-directional slips and must include a minimum of 15 ft. Tie-Back PBR.</p> <p>The set must include the following:</p> <p>(i) 7⁵/₈"Tie Back Receptacle</p>	05	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center;">BAGHJAN FIELD</th> </tr> </thead> <tbody> <tr style="background-color: #e0ffe0;"> <td style="width: 80%;">FOR 7⁵/₈" X 29.7PPF X P110 X HUNTING SEAL LOCK XD HUNTING SEAL LOCK XD LINER TO BE SET AGAINST 10³/₄" HOST CASING</td> <td style="width: 20%; text-align: center;">QTY</td> </tr> <tr> <td> <p>1 The liner hanger must have sufficient strength to hang liner string in deviated wells, equipped with bi-directional slips and must include a minimum of 15 ft. Tie-Back PBR.</p> <p>The set must include the following:</p> <p>(i) 7⁵/₈"Tie Back Receptacle (ii) 7⁵/₈" x 29.7 ppf x P110 Setting Collar (iii) 7⁵/₈" x 29.7 ppf x P110 Compression Set Liner Top Packer with Hold Down Slips. (iv) 7⁵/₈" x 29.7 ppf x P110 Hydraulic Set Double Cone Non-rotating Liner Hanger with slips. (v) 7⁵/₈" Hydraulic Landing Collar, PDC Drillable (Box up - Pin down).</p> </td> <td style="text-align: center; vertical-align: bottom;">07</td> </tr> </tbody> </table>	BAGHJAN FIELD		FOR 7⁵/₈" X 29.7PPF X P110 X HUNTING SEAL LOCK XD HUNTING SEAL LOCK XD LINER TO BE SET AGAINST 10³/₄" HOST CASING	QTY	<p>1 The liner hanger must have sufficient strength to hang liner string in deviated wells, equipped with bi-directional slips and must include a minimum of 15 ft. Tie-Back PBR.</p> <p>The set must include the following:</p> <p>(i) 7⁵/₈"Tie Back Receptacle (ii) 7⁵/₈" x 29.7 ppf x P110 Setting Collar (iii) 7⁵/₈" x 29.7 ppf x P110 Compression Set Liner Top Packer with Hold Down Slips. (iv) 7⁵/₈" x 29.7 ppf x P110 Hydraulic Set Double Cone Non-rotating Liner Hanger with slips. (v) 7⁵/₈" Hydraulic Landing Collar, PDC Drillable (Box up - Pin down).</p>	07
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description			
		(ii) 7 ⁵ / ₈ " x 29.9ppf x P110 Setting Collar			2	Float Shoe (7 ⁵ / ₈ " x 29.7ppf x P110 x Hunting Seal Lock XD BOX) – Refer to Table 30 (G)	07
		(iii) 7 ⁵ / ₈ " x 29.9ppf x P110 Compression Set Liner Top Packer with Hold Down Slips.			3	Float Collar (7 ⁵ / ₈ " x 29.7ppf x P110 x Hunting Seal Lock XD PIN & BOX) - Refer to Table 30 (G)	07
		(iv) 7 ⁵ / ₈ " x 29.9ppf x P110 Hydraulic Set Double Cone Non-rotating Liner Hanger with slips.			4	Top Liner Wiper Plug (Suitable for 7 ⁵ / ₈ " x 29.7ppf x P110 x Hunting Seal Lock XD LINER)	07
		7 ⁵ / ₈ " Hydraulic Landing Collar, PDC Drillable (Box up – Pin down).			5	Deleted	07
		2	Float Shoe (7 ⁵ / ₈ " x 29.7ppf x P110 x Hunting Seal Lock XD BOX) – Refer to Table 30 (G)	05	6	Liner Setting Ball	07
		3	Float Collar (7 ⁵ / ₈ " x 29.7ppf x P110 x Hunting Seal Lock XD PIN & BOX) - Refer to Table 30 (G)	05	7	7 ⁵ / ₈ " spiral slip-on solid body centralizer- Optional	120
		4	Top Liner Wiper Plug (Suitable for 7 ⁵ / ₈ " x 29.7ppf x P110 x Hunting Seal Lock XD LINER)	05	8	7 ⁵ / ₈ " flexible centralizer- Optional	240
		5	Top Pump Down Dart	05	9	Packer for sealing the annulus 10000 psi Differential Pressure and Temperature 275° F (135° C) or more	07
		6	Liner Setting Ball	05	10	Drill pipe pump down wiper plug	07
		7	7 ⁵ / ₈ " spiral slip-on solid body centralizer- Optional	120	11	Seal stem for 7 ⁵ / ₈ " tie-back.	07
		8	7 ⁵ / ₈ " flexible centralizer- Optional	240	12	Tie-back packer with seal stem for all liner hanger type as a contingency in case of liner hanger top packer leak.	07
		9	Packer for sealing the annulus 10000 psi Differential Pressure	05			
		10	Drill pipe pump down wiper plug	05			
		11	Seal stem for 7 ⁵ / ₈ " tie-back.	05			

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description		
		12	Tie-back packer with seal stem for all liner hanger type as a contingency in case of liner hanger top packer leak.	05		
25	4.4.1 Consumable, Table 29, Section B, Sr No. 5 (Page 164 of 440)	FOR 4.½" x 12.6 ppf x L80 x HUNTING SEAL LOCK XD LINER TO BE SET AGAINST 7⅝" X 29.7 ppf x P110 HOST CASING/LINER		QTY	FOR 4.½" x 12.6 ppf x L80 x HUNTING SEAL LOCK XD LINER TO BE SET AGAINST 7⅝" X 29.7 ppf x P110 HOST CASING/LINER	QTY
		1	HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 4½" x 12.6ppf x L80 x Hunting Seal Lock XD LINER INSIDE 7⅝" x 29.7ppf x P110 x Hunting Seal Lock XD HOST CASING/LINER. The liner hanger must have sufficient strength to hang liner string in deviated wells equipped with bi-directional slips.	05	1 HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 4½" x 12.6ppf x L80 x Hunting Seal Lock XD LINER INSIDE 7⅝" x 29.7ppf x P110 x Hunting Seal Lock XD HOST CASING/LINER. <i>The liner hanger must have sufficient strength to hang liner string in deviated wells equipped with bi-directional slips.</i>	07
		2	Float Shoe (4½" x 12.6 ppf x L80 x Hunting Seal Lock XD BOX)- Refer to Table 30(G)	05	2 Float Shoe (4½" x 12.6 ppf x L80 x Hunting Seal Lock XD BOX)- Refer to Table 30(G)	07
		3	Float Collar (4½" x 12.6 ppf x L80 x Hunting Seal Lock XD PIN & BOX)- Refer to Table 30(G)	05	3 Float Collar (4½" x 12.6 ppf x L80 x Hunting Seal Lock XD PIN & BOX)- Refer to Table 30(G)	07

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26	4.4.1 Consumable, Table 29, Section C & D (Page 164-165 of 440)	Deleted																																							
27	4.4.1 Consumable, Table 29, Section E (Page 165-166 of 440)	<table border="1"> <thead> <tr> <th colspan="3" style="background-color: #d3d3d3;">BAREKURI FIELD (OPTIONAL)</th> </tr> <tr> <th colspan="3" style="background-color: #d3d3d3;">FOR 7" x 29 ppf x N-80 x HUNTING SEAL LOCK XD TO BE SET AGAINST 9⁵/₈", 47 ppf, P110 HOST CASING/LINER</th> </tr> <tr> <th></th> <th></th> <th style="background-color: #d3d3d3;">QTY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 7" x 35 ppf x Q125 x Hunting Seal Lock XD LINER INSIDE – (i) 9⁵/₈", 47 ppf, P110, Hunting Seal Lock XD HOST CASING/LINER. The liner hanger must have sufficient strength to hang liner string in</td> <td>02</td> </tr> </tbody> </table>	BAREKURI FIELD (OPTIONAL)			FOR 7" x 29 ppf x N-80 x HUNTING SEAL LOCK XD TO BE SET AGAINST 9⁵/₈", 47 ppf, P110 HOST CASING/LINER					QTY	1	HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 7" x 35 ppf x Q125 x Hunting Seal Lock XD LINER INSIDE – (i) 9⁵/₈", 47 ppf, P110, Hunting Seal Lock XD HOST CASING/LINER. The liner hanger must have sufficient strength to hang liner string in	02	<table border="1"> <thead> <tr> <th colspan="3" style="background-color: #d3d3d3;">BAREKURI FIELD (OPTIONAL)</th> </tr> <tr> <th colspan="3" style="background-color: #d3d3d3;">FOR 7" x 29 ppf x N-80 x HUNTING SEAL LOCK XD TO BE SET AGAINST 9⁵/₈", 47 ppf, N-80 HOST CASING/LINER</th> </tr> <tr> <th></th> <th></th> <th style="background-color: #d3d3d3;">QTY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 7" x 29 ppf x N-80 x Hunting Seal Lock XD LINER INSIDE – (i) 9⁵/₈", 47 ppf, N-80, Hunting Seal Lock XD HOST CASING/LINER.</td> <td>03</td> </tr> </tbody> </table>	BAREKURI FIELD (OPTIONAL)			FOR 7" x 29 ppf x N-80 x HUNTING SEAL LOCK XD TO BE SET AGAINST 9⁵/₈", 47 ppf, N-80 HOST CASING/LINER					QTY	1	HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 7" x 29 ppf x N-80 x Hunting Seal Lock XD LINER INSIDE – (i) 9⁵/₈", 47 ppf, N-80, Hunting Seal Lock XD HOST CASING/LINER.	03														
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			deviated wells equipped with bi-directional slips.		The liner hanger must have sufficient strength to hang liner string in deviated wells equipped with bi-directional slips.
		2	Float Shoe (7" x 29 ppf x N-80 x Hunting Seal Lock XD BOX) - Refer to Table 30(I)	01	2 Float Shoe (7" x 29 ppf x N-80 x Hunting Seal Lock XD BOX) - Refer to Table 30(I) 03
		3	Float Collar (7" x 29 ppf x N-80 x Hunting Seal Lock XD PIN & BOX) - Refer to Table 30(I)	01	3 Float Collar (7" x 29 ppf x N-80 x Hunting Seal Lock XD PIN & BOX) - Refer to Table 30(I) 03
		4	Top Liner Wiper Plug (Suitable for 7" x 29 ppf x N-80 x Hunting Seal Lock XD)	01	4 Top Liner Wiper Plug (Suitable for 7" x 29 ppf x N-80 x Hunting Seal Lock XD) 03
		5	Top Pump Down Dart	01	5 Drill pipe pump down wiper plug 03
		6	Liner Setting Ball	01	6 Liner Setting Ball 03
		7	7" spiral slip-on solid body centralizer, Optional	TBC	7 7" spiral slip-on solid body centralizer, Optional 00
		8	7"flexible centralizer, Optional	TBC	8 7"flexible centralizer, Optional 00
		9	Packer for sealing the annulus 10000 psi Differential Pressure	01	9 Packer for sealing the annulus 10000 psi Differential Pressure and Temperature 275° F (135° C) or more 03
28	4.4.1 Consumable, Table 29, Section F (Page 166 of 440)	BAREKURI FIELD (OPTIONAL) FOR 4.½" X 12.6.PPF X P-110 X HUNTING SEAL LOCK XD TO BE SET AGAINST 7" X 29 PPF X N-80 X HUNTING SEAL LOCK XD HOST LINER		QTY	BAREKURI FIELD (OPTIONAL) FOR 4.½" X 12.6.PPF X N-80 X HUNTING SEAL LOCK XD TO BE SET AGAINST 7" X 29 PPF X N-80 X HUNTING SEAL LOCK XD HOST LINER

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description		
		1	HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 4½" x 12.6ppf x N80 x HUNTING SEAL LOCK XD LINER INSIDE – (i) 9⁵/₈" , 47 ppf , N-80 , Hunting Seal Lock XD HOST CASING/LINER. The liner hanger must have sufficient strength to hang liner string in deviated wells equipped with bi-directional slips.	01	1 HYDRAULIC SET DOUBLE CONE NON-ROTATING LINER HANGER ASSEMBLY TO HANG 4½" x 12.6ppf x N80 x HUNTING SEAL LOCK XD LINER INSIDE – (i) 9⁵/₈" , 47 ppf , N-80 , Hunting Seal Lock XD HOST CASING/LINER. The liner hanger must have sufficient strength to hang liner string in deviated wells equipped with bi-directional slips.	03
		2	Float Shoe (4.½" X 12.6.PPF X P-110 x Hunting Seal Lock XD BOX) - Refer to Table 30(I)	01	2 Float Shoe (4.½" X 12.6.PPF X N-80 x Hunting Seal Lock XD BOX) - Refer to Table 30(I)	03
		3	Float Collar (4.½" X 12.6.PPF X P-110 x Hunting Seal Lock XD PIN & BOX)	01	3 Float Collar (4.½" X 12.6.PPF X N-80 x Hunting Seal Lock XD PIN & BOX)	03
		4	Top Liner Wiper Plug (Suitable for 4.½" X 12.6.PPF X P-110 x Hunting Seal Lock XD LINER) - Refer to Table 30(I)	01	4 Top Liner Wiper Plug (Suitable for 4.½" X 12.6.PPF X N-80 x Hunting Seal Lock XD LINER) - Refer to Table 30(I)	03
		5	Drill pipe pump down wiper plug	01	5 Drill pipe pump down wiper plug	03
		6	Liner Setting Ball	01	6 Liner Setting Ball	03
		7	7" spiral slip-on solid body centralizer, Optional	TBC	7 7" spiral slip-on solid body centralizer, Optional	00
		8	7"flexible centralizer, Optional	TBC	8 7"flexible centralizer, Optional	00
		9	Packer for sealing the annulus 10000 psi Differential Pressure	--	9 Packer for sealing the annulus 10000 psi Differential Pressure and Temperature 275° F (135° C) or more	--

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description												
29	<p>4.4.1 Consumable</p> <p>TABLE NO. 29 (G) BAGHJAN FIELD</p> <p>(Page 166 of 440)</p>	<p style="text-align: center;">TABLE – 29 (G) BAGHJAN FIELD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Items</th> <th>Technical Specification</th> </tr> </thead> <tbody> <tr> <td>Float Shoe: 7½" OD</td> <td> Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: BTC </td> </tr> <tr> <td>Float Collar: 7½" OD</td> <td> Circulating Cement Float Collar, Baker Model `F' or equivalent for casing Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: BTC Thread Protector should be fitted at Pin end </td> </tr> </tbody> </table>	Items	Technical Specification	Float Shoe: 7½" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: BTC	Float Collar: 7½" OD	Circulating Cement Float Collar, Baker Model `F' or equivalent for casing Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: BTC Thread Protector should be fitted at Pin end	<p style="text-align: center;">TABLE – 29 (G) BAGHJAN FIELD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Items</th> <th>Technical Specification</th> </tr> </thead> <tbody> <tr> <td>Float Shoe: 7½" OD</td> <td> Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: Hunting Seal Lock XD Valve: Single valve and differential fil-up with cement nose. <i>Thread Protector should be fitted at Pin end</i> </td> </tr> <tr> <td>Float Collar: 7½" " OD</td> <td> Circulating Cement Float Collar, Baker Model `F' or equivalent for casing. Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) </td> </tr> </tbody> </table>	Items	Technical Specification	Float Shoe: 7½" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: Hunting Seal Lock XD Valve: Single valve and differential fil-up with cement nose. <i>Thread Protector should be fitted at Pin end</i>	Float Collar: 7½" " OD	Circulating Cement Float Collar, Baker Model `F' or equivalent for casing. Casing Size: 7⅝" O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.)
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description		
		Float Shoe: 4½" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 4½" O.D. (114.3 mm) Weight: 12.6 PPF (18.75 Kg/Mtr.) Grade: P-110 , Thread: BTC PSL-2		Grade: P-110, PSL-2 Thread: Hunting Seal Lock XD Valve: Single valve and differential fil-up. Thread Protector should be fitted at Pin end	
		Float Collar: 4½" OD	Circulating Cement Float Collar, Baker Model `F' or equivalent for casing: Casing Size: 4½" OD (114.3 mm) Weight: 12.6 PPF (18.75 Kg/Mtr.) Grade: P-110 Thread: BTC PSL-2	Float Shoe: 4½" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 4½" O.D. (114.3 mm) Weight: 12.6 PPF (18.75 Kg/Mtr.) Grade: P-110 Grade: L-80 Thread: Hunting Seal Lock XD Valve: Single valve and differential fil-up with cement nose Thread Protector should be fitted at Pin end	
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		Sl No	Items	Technical Specification		

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description
		1	Float Shoe: 7 ⁵ / ₈ " OD Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7 ⁵ / ₈ " O.D. (193.67 mm) Weight: 29.7 PPF (44.19 Kg/Mtr.) Grade: P-110, PSL-2 Thread: BTC	Grade: L-80 Thread: Hunting Seal Lock XD Valve: Single valve and differential fil-up. Thread Protector should be fitted at Pin end
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		3	4½" Float Shoe Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 4½" O.D. (114.3 mm) Weight: 12.6 PPF (18.75 Kg/Mtr.) Grade: P-110, Thread: BTC PSL-2	
		4	4½ "Float Collar Circulating Cement Float Collar, Baker Model `F' or equivalent for casing: Casing Size: 4½ OD (114.3 mm) Weight: 12.6 PPF (18.75 Kg/Mtr.) Grade P-110, Thread: BTC Protector should be fitted at Pin end PSL-2	
30	4.4.1 Consumable TABLE NO. 29 (H) KUMCHAI FIELD (Page 167-168 of 440)			<i>Deleted</i>

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description												
31	<p>4.4.1 Consumable</p> <p>TABLE NO. 29 (I) BAREKURI FIELD</p> <p>(Page 168-169 of 440)</p>	<p>TABLE – 29 (I) BAREKURI FIELD (MLD)</p> <table border="1"> <thead> <tr> <th data-bbox="450 475 728 507">Items</th> <th data-bbox="728 475 1173 507">Technical Specification</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 507 728 1007">Float Shoe: 7" OD</td> <td data-bbox="728 507 1173 1007"> Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 4½" O.D. Weight: 29 PPF Grade: N-80, Thread: PREMIUM (Hunting Seal Lock XD) PSL-2 Drift (inch): 3.701 SD. Thin-wall Eccentricity: -12.5 % Thread: PREMIUM (Hunting Seal Lock XD) PSL-2 </td> </tr> <tr> <td data-bbox="450 1007 728 1385">Float Collar: 7" OD</td> <td data-bbox="728 1007 1173 1385"> Circulating Cement Float Collar, Baker Model `F' or equivalent for casing. Casing Size: 7" O.D. Weight: 29 PPF (44.19 Kg/Mtr.) Grade: N-80, PSL-2 Thread: PREMIUM (Hunting Seal Lock XD) Thread Protector should be fitted at Pin end </td> </tr> </tbody> </table>	Items	Technical Specification	Float Shoe: 7" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 4½" O.D. Weight: 29 PPF Grade: N-80, Thread: PREMIUM (Hunting Seal Lock XD) PSL-2 Drift (inch): 3.701 SD. Thin-wall Eccentricity: -12.5 % Thread: PREMIUM (Hunting Seal Lock XD) PSL-2	Float Collar: 7" OD	Circulating Cement Float Collar, Baker Model `F' or equivalent for casing. Casing Size: 7" O.D. Weight: 29 PPF (44.19 Kg/Mtr.) Grade: N-80, PSL-2 Thread: PREMIUM (Hunting Seal Lock XD) Thread Protector should be fitted at Pin end	<p>TABLE – 29 (I) BAREKURI FIELD (MLD)</p> <table border="1"> <thead> <tr> <th data-bbox="1317 485 1615 517">Items</th> <th data-bbox="1615 485 2011 517">Technical Specification</th> </tr> </thead> <tbody> <tr> <td data-bbox="1317 517 1615 1098">Float Shoe: 7" OD</td> <td data-bbox="1615 517 2011 1098"> Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7" O.D. Weight: 29 PPF Grade: N-80 Thread: Hunting Seal Lock XD PSL-2 Drift (inch): 3.701 SD. Thin-wall Eccentricity: -12.5 % Value: Single valve and differential fil-up with cement nose Thread Protector should be fitted at Pin end </td> </tr> <tr> <td data-bbox="1317 1098 1615 1385">Float Collar: 7" OD</td> <td data-bbox="1615 1098 2011 1385"> Circulating Cement Float Collar, Baker Model `F' or equivalent for casing. Casing Size: 7" O.D. Weight: 29 PPF (44.19 Kg/Mtr.) Grade: N-80, PSL-2 </td> </tr> </tbody> </table>	Items	Technical Specification	Float Shoe: 7" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 7" O.D. Weight: 29 PPF Grade: N-80 Thread: Hunting Seal Lock XD PSL-2 Drift (inch): 3.701 SD. Thin-wall Eccentricity: -12.5 % Value: Single valve and differential fil-up with cement nose Thread Protector should be fitted at Pin end	Float Collar: 7" OD	Circulating Cement Float Collar, Baker Model `F' or equivalent for casing. Casing Size: 7" O.D. Weight: 29 PPF (44.19 Kg/Mtr.) Grade: N-80, PSL-2
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description		
		Float Shoe: 4½" OD	Down Jet Float Shoe, Baker Model `F' or equivalent, Suitable for Casing: Casing Size: 4½" O.D. Weight: 12.6 PPF Grade: P-110 Thread: PREMIUM (Hunting Seal Lock XD) PSL-2		<i>Thread: PREMIUM (Hunting Seal Lock XD)</i> Value: Single valve and differential fil-up. <i>Thread Protector should be fitted at Pin end</i>	
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
			Thread Protector should be fitted at Pin end
32	4.4.1. Notes under Clause no. 4.4.1	New Notes	<p>Notes:</p> <ol style="list-style-type: none"> 1. Stop collars are to be provided by the contractor for the centralizers (Solid body as well flexible) as regular or optional as applicable without any additional cost. 2. The flexible centralizer shall be Hinged Non-Welded Bow Spring Centralizer type. 3. Conventional Liner Hanger system with unidirectional slips and the Liner packer with hold down slips configurations to meet the tender requirement will also be acceptable. However, with this configuration system must be able to meet the strength requirement to hang the liner strings in deviated wells as per tender scope and bidder to undertake the same. 4. Hanger which offers a slip seat wedge profile and slip rail design for increased resilience to solids packing off and for greater hanging reliability will also be acceptable to us if it meets the tender requirement and bidder to undertake the same. 5. All Packers of liners and tie back system must be of V1 rating.
33	4.4.2 - SUPPLY OF (6" x 7 ⁷ / ₈ ") EXPANDABLE LINER (CONTINGENCY PLAN) & ACCESSORIES (Page 170 of 440)	In case of drilling and hole stability issues while drilling 6"Hole section, there is a Contingency plan to enlarge the 6" to 7 ⁷ / ₈ " or 7⁷/₈" in one run or two runs (i.e., 6" to 6 ¹ / ₂ " and 6 ¹ / ₂ " to 7 ⁵ / ₈ ") by Under Reamer and lower 6" Expandable Liner at that depth. Thereafter, drilling will be continued by 6" bit to TD. A comprehensive plan of drilling & setting expandable liner is prepared based on the Enventure Expandable Liner System which will be shared with successful Bidder separately. However, Bidders are allowed to offer their own expandable liner system or tie up with M/s. Enventure	In case of drilling and hole stability issues while drilling 6"Hole section, there is a Contingency plan to enlarge the 6" to 7 ⁷ / ₈ " or 7⁷/₈" in one run or two runs (i.e., 6" to 6 ¹ / ₂ " and 6 ¹ / ₂ " to 7 ⁵ / ₈ ") by Under Reamer and lower 6" Expandable Liner at that depth. Thereafter, drilling will be continued by 6" bit to TD. A comprehensive plan of drilling & setting expandable liner is prepared based on the Enventure Expandable Liner System which will be shared with successful Bidder separately. However, Bidders are allowed to offer their own expandable liner system or tie up with M/s. Enventure

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description								
34	New Clause under 4.4.2. Supply Of (6" x 7 ⁷ / ₈ " Expandable Liner (Contingency Plan) & Accessories		<i>(vi) Bidder to provide all handling gears (i.e. Slip, elevator, lifting PUP joint etc. but not limited) cross overs and circulating gears for running in or pulling out Solid Expandable Tubulars without additional cost to the Company.</i>								
B.5.0. UNDER REAMING SERVICES [CALL OUT]											
35	5.2. Service Requirement (Page 172 of 440)	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Sizes of Under Reaming Services (Inch)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>6" x 7⁷/₈"</td> </tr> </tbody> </table>	Sl. No.	Sizes of Under Reaming Services (Inch)	2	6" x 7 ⁷ / ₈ "	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Sizes of Under Reaming Services (Inch)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>6" x 7⁷/₈" or 6" x 7⁵/₈"</td> </tr> </tbody> </table>	Sl. No.	Sizes of Under Reaming Services (Inch)	2	6" x 7 ⁷ / ₈ " or 6" x 7 ⁵ / ₈ "
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2	6" x 7 ⁷ / ₈ " or 6" x 7 ⁵ / ₈ "										
36	5.2.2. 6" x 7 ⁷ / ₈ " Section (Contingency) (Page 173 of 440)	6" x 7⁷/₈" Section (Contingency) The final hole size is likely to be 6" through the reservoir, with the contingency of hole opening to 7 ⁷ / ₈ " if required to run the expandable liner.	6" x 7⁷/₈" Section (Contingency) <i>The final hole size is likely to be 6" through the reservoir, with the contingency of hole opening to 6" x 7⁷/₈" or 6" x 7⁵/₈" if required to run the expandable liner.</i>								
37	5.2.3 (i) (Page 173 of 440)	Hole Enlargement whilst drilling (HEWD) or Underreaming whilst drilling (UWD) like Gaugepro echo expandable under reamer or Rhino RHE or equivalent) is required for 12 ¹ / ₄ " X 13 ¹ / ₂ " Section and under-reaming (UR) BHA is required for the 6" x 7 ⁷ / ₈ " Hole as contingency.	<i>Hole Enlargement whilst drilling (HEWD) or Underreaming whilst drilling (UWD) like Gaugepro echo expandable under reamer or Rhino RHE or equivalent) is required for 12¹/₄" X 13¹/₂" Section and under-reaming (UR) BHA is required for the 6" x 7⁷/₈" or 6" x 7⁵/₈" Hole as contingency.</i>								
38	5.2.3 (iii) (Page 173 of 440)	The tool must be capable of Unlimited extraction and retraction so that p/o or back reaming with pump on is possible. The tool should also have capacity of one time de activation mode.	<i>The tool must be capable of Unlimited extraction and retraction so that p/o or back reaming with pump on is possible. The tool should also have capacity of one time de activation mode for 12¹/₄" X 13¹/₂" Section.</i>								

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
39	5.2.3 (x) (Page 173 of 440)	The desired Under Reamer shall be offered and supplied from any one of the following manufacturers only. (a) Schlumberger-Smith (b) Baker Hughes-Christensen (c) Halliburton Security-DBS (d) NOV-Reed Hycalog	<i>The desired Under Reamer shall be offered and supplied from any one of the following manufacturers only.</i> <i>(a) Schlumberger-Smith</i> <i>(b) Baker Hughes-Christensen</i> <i>(c) Halliburton Security-DBS</i> <i>(d) NOV-Reed Hycalog</i> <i>(e) Weatherford</i>
40	5.2.3 (xv) (Page 173 of 440)	(xv) The tools (12¼" x 13½" & 6" x 7⅞") must be compatible in all respect to run and perform efficiently with the 12¼" x 13½" & 6" bits respectively provisioned for supply on consignment basis under this contract.	<i>(xv) The tools (12¼" x 13½" & 6" x 7⅞" or 6" x 7⅞") must be compatible in all respect to run and perform efficiently with the 12¼" x 13½" & 6" bits respectively provisioned for supply on consignment basis under this contract.</i>
41	5.2.3 (xvi) (Page 173 of 440)	(xvi) The tools (12¼" x 13½" & 6" x 7⅞") must be compatible in all respect to run and perform efficiently with the RSS/MWD/ Mud Motor/LWD and Advance LWD.	<i>(xvi) The tools (12¼" x 13½" & 6" x 7⅞" or 6" x 7⅞") must be compatible in all respect to run and perform efficiently with the RSS/MWD/ Mud Motor/LWD and Advance LWD.</i>
42	5.2.3 (New Clauses) (Page 174 of 440)	New Clauses	<i>xxiv) Bidder to provide all handling gears and cross overs for running in or pulling out without additional cost to the Company.</i> <i>xxv) The bidder or third party shall provide all the accessories including centralizer, additional couplings, crossovers, short joints etc. as per their design and quote accordingly.</i> <i>xxvi) The bidder or third party shall provide all accessories as per their design including cementing head and Side entry sub with FOSV.</i> <i>xxvii) A cementing head for 6" liner as per M/s Enventure and a Side entry sub with FOSV can be used to drop the dart & cement the liner to be supplied by the contractor.</i> <i>xxviii) Rig contractor or Company will provide the tubulars except the X-over between the tubulars and liner, which must be provide by the contractor or the tie up third party as applicable.</i>

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description																																				
			<i>xxix) The bidder or third party shall provide all the fishing tools and handling gears (slips, elevator etc.) as per their design.</i>																																				
43	5.3.1 (vii) (Page 175 of 440)	<table border="1"> <tr> <td>Experience & Certification</td> </tr> <tr> <td>(i) Experience of completing minimum 10 wells with Underreaming operations.</td> </tr> </table>	Experience & Certification	(i) Experience of completing minimum 10 wells with Underreaming operations.	<table border="1"> <tr> <td>Experience & Certification</td> </tr> <tr> <td>(i) Experience of completing minimum 05 wells with Underreaming operations. As proof a declaration from the employer to be submitted signed by authorised signatory</td> </tr> </table>	Experience & Certification	(i) Experience of completing minimum 05 wells with Underreaming operations. As proof a declaration from the employer to be submitted signed by authorised signatory																																
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B.6.0. FISHING & MILLING SERVICES																																							
44	6.1. NAME OF THE SERVICES (Page 176 of 440)	Fishing and Milling is call out basis and shall include all equipment, consumables, and manpower for fishing and milling equipment as per below but not limited:	<i>Fishing and Milling is call out basis and shall include all equipment, consumables, and manpower for fishing and milling equipment as per price bid.</i>																																				
45	6.2 SERVICE REQUIREMENT (Page 176 of 440)	Bidder's scope includes the provision for supply, maintenance and repair of tools, equipment, spares, consumables, and supply of personnel for the work as specified below. The bidder shall establish & maintain a base yard / repair facility for the tools under scope of the contract at Duliajan. In addition, bidder shall be responsible for providing job reports for the works rendered.	<i>Bidder's scope includes the provision for supply, maintenance and repair of tools, equipment, spares, consumables, and supply of personnel for the work as specified below. In addition, bidder shall be responsible for providing job reports for the works rendered.</i>																																				
46	6.2.(i) (e) (Page 176 of 440)	To provided various milling services along with magnetic magnets.	<i>To provided various milling services along with magnets.</i>																																				
47	6.2.(ii) Table No - 34 (Page 177-178 of 440)	<table border="1"> <thead> <tr> <th colspan="6">Table No - 34</th> </tr> <tr> <th>Sl No</th> <th>Sizes</th> <th>Hole Size (Inch)</th> <th>Weight (ppf)</th> <th>Connection</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Table No - 34						Sl No	Sizes	Hole Size (Inch)	Weight (ppf)	Connection	Grade							<table border="1"> <thead> <tr> <th colspan="6">Revised Table No - 34</th> </tr> <tr> <th>Sl No</th> <th>Sizes</th> <th>Hole Size (Inch)</th> <th>Weight (ppf)</th> <th>Connection</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Revised Table No - 34						Sl No	Sizes	Hole Size (Inch)	Weight (ppf)	Connection	Grade						
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description						Modified/New clause Description							
		1	26" Casing	30"	202.3	Easy dock 70 (Weld-on connector) or equivalent	X-60	1	20" Casing	26"	133	Quick Connection			
		2	20" Casing	24"	133	Blue Quick Seal (QS) or equivalent	L-80	2	10¾" Casing	13 ½"	60.7	Hunting Seal Lock XD	P-110		
		3	13⅜ Casing	17½"				3	7⅝" Casing	9½"	29.7	Hunting Seal Lock XD	P-110		
		4	13⅝" Casing	17½"	88.2	Blue or equivalent	125 ksi (HC)	4	4½" Casing	6	12.6	Hunting Seal Lock XD	L-80 / N-80		
		5	10¾" Casing	13 ½"	60.7	Hunting Seal Lock XD	P-110	5	6" Expandable Casing	7⅝"	20.1	GIIC	EX-80		
		6	10" Casing	12¼"x 13½"	73.9	Blue Max or equivalent	140 ksi (CY)	Tubing String							
		7	7⅝" Casing	9½"	29.7	Hunting Seal Lock XD	P-110	6	3½" tubing		10.2	VAM TOP	L-80		
		8	7" Casing	8½"	29	Hunting Seal Lock XD	Q125								
				8½"	35	Hunting Seal Lock XD	Q125								
				8½"	29	Hunting Seal Lock XD	N-80								
		9	4½" Casing	6	12.6	Hunting Seal Lock XD	L-80								

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description						Modified/New clause Description
				6	15.1	Hunting Seal Lock XD	P110	
				6	15.1	Hunting Seal Lock XD	Q125	
				6	12.6	Hunting Seal Lock XD	N-80	
		10	6" Expandable Casing	7 ⁷ / ₈ "	20.1	GIIC	EX-80	
			Drill/Tubing String					
		1	5½" Drill Pipe					
		2	3½" tubing		10.2	VAM TOP / Hunting Seal Lock XD	L-80	
48		New Note						<p>New</p> <p><i>h) Fishing and Milling Tools other than those in the price bid format shall be supplied by Company, however, contractor to provide manpower for fishing and milling operation with such equipment:</i></p>
49	Fishing / 6.2. SERVICE REQUIREMENT (Page 178 of 440)	<p>NOTE: (b) If the “fish” are oblong/not covered under SoW, still bidder to provide all supports including manpower, tools and equipment and the price of such services/consumable/tools/ equipment will a be mutually agreed rate but not more than the similar services/consumable/ tools/equipment quote under the current</p>						<p><i>(b) If the “fish” are oblong/ not covered under SoW, still bidder to provide all supports including manpower, tools and equipment and the price of such services/consumable/tools/ equipment will be at mutually agreed rates.</i></p>

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
		contract	
50		New Note	<p>New:</p> <p><i>(h) Bidder shall maintain at least one backup tool(s) against their offer as per price bid and bidder to quote accordingly</i></p>
51	<p>6.3. MILLING SERVICES</p> <p>(Page 178 of 440)</p>	<p>Milling operations will normally include milling of any tubulars, uneven fish top Tubing, Bridge Plugs, down hole production packers and any other down hole fish as desired by OIL. Fishing engineer of the Contractor shall plan the milling operations keeping in view of the tools available in consultation with OIL representative and execute the milling operations. The engineer of the contractor will monitor the milling operations continuously and finalize any changes in the plan if required in consultation with OIL representative. Contractor should provide the following various milling tools and accessories under this service:</p>	<p><i>Milling operations will normally include milling of any tubulars, uneven fish top Tubing, Bridge Plugs, down hole production packers and any other down hole fish as desired by OIL. Fishing engineer of the Contractor shall plan the milling operations keeping in view of the tools available in consultation with OIL representative and execute the milling operations. The engineer of the contractor will monitor the milling operations continuously and finalize any changes in the plan if required in consultation with OIL representative. Contractor shall operate the following various milling tools and accessories provided by the Company under this service:</i></p> <p><i>(a) Junk Mills</i></p> <p><i>(b) Pilot Mills</i></p> <p><i>(c) String Mills</i></p> <p><i>(d) Taper Mills</i></p>
52	<p>6.3.1. JUNK MILLS</p> <p>6.3.2. PILOT MILLS</p> <p>6.3.3. STRING MILLS</p> <p>6.3.4. TAPER MILLS</p> <p>(Page 178-179 of 440)</p>		Deleted

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
53	6.4 FISHING SERVICES (Page 179 of 440)	The fishing services will be utilised for removal of junk, debris or fish from a wellbore, or any unwanted material left in the wellbore. The following Fishing Tools to be provided along with all supporting tools and equipment, but not limited to:	<i>The fishing services will be utilised for removal of junk, debris or fish from a wellbore, or any unwanted material left in the wellbore. The Contractor to supply Fishing Tools along with all supporting tools and equipment as per price bid:</i>
54	(Page 179-180 of 440)	6.5.1. EXTERNAL CATCH FISHING TOOLS 6.5.2. INTERNAL CATCH FISHING TOOLS 6.5.3. JUNK RETRIEVAL FISHING TOOLS 6.5.4. ACCESSORY TOOLS 6.5.5. REPAIR AND REMEDIAL TOOLS	6.4.1. EXTERNAL CATCH FISHING TOOLS 6.4.2. INTERNAL CATCH FISHING TOOLS 6.4.3. JUNK RETRIEVAL FISHING TOOLS 6.4.4. ACCESSORY TOOLS 6.4.5. REPAIR AND REMEDIAL TOOLS
55	6.5. WASHOVER OPERATIONS: (Page 180 of 440)	The washover pipes and other accessories to be provided under the contract should withstand stresses arising out of washover operations within normal operational limits. If any component of the wash over string fails during the job and if the failure is for any reason attributable to Contractor, as adjudged by the COMPANY then no daily rental/operating charges shall be paid for the entire washover string from the point of failure occurred. Also, if the failure of any component of washover string results in additional complications, a penalty equivalent to daily rental of the entire washover string shall be levied from the Contractor till the failed washover string is fished out or fishing operations for retrieving failed components of wash over string are called off.	<i>The washover pipes and other accessories will be provided by Company and the fishing expert under the contract shall be operationally responsible for the washover operation.</i>
56	TABLE NO. (35): HR DEPLOYMENT (FISHING AND MILLING SERVICES) (Page 182 of 440)	Experience & Certification Assistant Fishing Milling Engineer/ Tool Operator The Fishing supervisor shall have minimum 10 years' experience in handling all the fishing tools under purview of the contract and their maintenance.	<i>Experience & Certification</i> <i>Assistant Fishing Milling Engineer/ Tool Operator</i> <i>The Fishing supervisor shall have minimum 05 years' experience in handling all the fishing tools under purview of the contract and their maintenance.</i>
57	6.6.3 FISHING AND MILLING EXPERTS NOTE:	Fishing Expert will be paid on Day Rate basis for each call out notice including Mobilization charge and De-Mobilization charge. 36 Hrs call notice will be issued on as and when required basis.	<i>Fishing Expert will be paid on Day Rate basis for each call out notice including Mobilization charge and De-Mobilization charge. 36 Hrs call notice for mobilisation of expert from India and 72 Hrs</i>

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description																																																
	(Page 182 of 440)		<i>call out notice for mobilisation of expert from foreign country will be issued on as and when required basis.</i>																																																
58	6.7. TOOLS AND EQUIPMENTS (Page 184 of 440)	Bidder to confirm the availability of the tools listed below and provide quote for fishing and milling equipment in PROFORMA-B4 FISHING & MILLING.	<i>Bidder to confirm the availability of the tools listed below and provide quote for fishing and milling equipment and submit a separate quote along with price bid (shall not be considered for evaluation). In case of any requirement for such tools & equipment arises during the contract, OIL may request for supply of such tool at mutually agreed rates and mobilisation period.</i>																																																
B.7.0. CASING-TORQUE AND TURN SERVICES [CALLOUT]																																																			
59	7.1. NAME OF THE SERVICES: (Page 185 of 440)	Casing Torque and Turn Services or Tubular Running Services (TRS) is call out basis and shall include all equipment, consumables, and manpower for running in casing/liner of 26", 13⁵/₈", 10³/₄", 10", 7⁵/₈", 6", 4¹/₂" and 3¹/₂" tubing.	<i>Casing Torque and Turn Services or Tubular Running Services (TRS) is call out basis and shall include all equipment, consumables, and manpower for running in casing/liner of 20", 10³/₄", 7⁵/₈", 6" (Expandable Liner), 4¹/₂" and 3¹/₂" tubing.</i>																																																
60	TABLE NO. (36): TUBULAR DETAILS (Page 185-186 of 440)	<p style="text-align: center;">TABLE NO. (36): TUBULAR DETAILS</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="6" style="text-align: center;">Table-36: Tubular Details</th> </tr> <tr> <th>Sl No</th> <th>Sizes</th> <th>Hole Size (Inch)</th> <th>Weight (ppf)</th> <th>Connection</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>13⁵/₈"Casing</td> <td>17¹/₂"</td> <td>88.2</td> <td>Blue or equivalent</td> <td>125 ksi (HC)</td> </tr> <tr> <td>2</td> <td>10³/₄" Casing</td> <td>13 1/2"</td> <td>60.7</td> <td>Hunting Seal Lock XD</td> <td>P-110</td> </tr> </tbody> </table>	Table-36: Tubular Details						Sl No	Sizes	Hole Size (Inch)	Weight (ppf)	Connection	Grade	1	13 ⁵ / ₈ "Casing	17 ¹ / ₂ "	88.2	Blue or equivalent	125 ksi (HC)	2	10 ³ / ₄ " Casing	13 1/2"	60.7	Hunting Seal Lock XD	P-110	<p style="text-align: center;">REVISED TABLE NO. (36): TUBULAR DETAILS</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sl No</th> <th>Sizes</th> <th>Hole Size (Inch)</th> <th>Weight (ppf)</th> <th>Connection</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>20" Casing</td> <td>26"</td> <td>133</td> <td>Quick Connection</td> <td></td> </tr> <tr> <td>2</td> <td>10³/₄" Casing</td> <td>13 1/2"</td> <td>60.7</td> <td>Hunting Seal Lock XD</td> <td>P-110</td> </tr> <tr> <td>3</td> <td>7⁵/₈" Casing</td> <td>9¹/₂"</td> <td>29.7</td> <td>Hunting Seal Lock XD</td> <td>P-110</td> </tr> </tbody> </table>	Sl No	Sizes	Hole Size (Inch)	Weight (ppf)	Connection	Grade	1	20" Casing	26"	133	Quick Connection		2	10 ³ / ₄ " Casing	13 1/2"	60.7	Hunting Seal Lock XD	P-110	3	7 ⁵ / ₈ " Casing	9 ¹ / ₂ "	29.7	Hunting Seal Lock XD	P-110
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description						Modified/New clause Description					
		3	10"Casing	12¼"x13½"	73.9	Blue Max or equivalent	140 ksi (CY)	4	4½" Casing	6	12.6	Hunting Seal Lock XD	P110
61	7.6. VINTAGE OF TOOLS/EQUIPMENT	(i)	The age of the Surface tools and other equipment supplied by the Contractor shall not be of more than 03 (Three) years					<i>Bidder to undertake that the supplying equipment are fit for use and maintained as per the OEM standards.</i>					
		4	7⅝" Casing	9½"	29.7	Hunting Seal Lock XD	P-110	5	6" Casing	7⅝" or 7⅞"	20.1	GIIC	EX-80
		5	4½" Casing	6	15.1	Hunting Seal Lock XD	P110	6	3½" Tubing		10.2	VAM TOP / Hunting Seal Lock XD	L-80
				6	15.1	Hunting Seal Lock XD	Q125	<p>Note: Since there is no separate line for 6" Expandable Casing in TRS, Bidder to provide all handling gears (i.e. Slip, elevator, lifting PUP joint etc. but not limited) cross overs and circulating gears for running in or pulling out Solid Expandable Tubulars without additional cost to the Company.</p>					
				6	12.6	Hunting Seal Lock XD	N-80						
		6	6" Casing	7⅝"	20.1	GIIC	EX-80						
		7	4½" Tubing	6	12.6	Hunting Seal Lock XD	L-80						
		8	3½" Tubing		10.2	VAM TOP / Hunting Seal Lock XD	L-80						

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description																				
	(Page 188 of 440)	<p>old as on the original Techno Commercial bid closing date counted from the date of its manufacturing. The Contractor must furnish certificates/documents in this regard in support from OEM, when called for along with an undertaking in this regard.</p> <p>(ii) The Contractor must furnish certificates /documents in this regard in support from OEM, when called for OEM.</p> <p>(iii) Tools and equipment beyond 03(three) years upto a maximum vintage of 05 (five) years is also acceptable for which the contractor has to get the tools and equipment Re-certification from OEM or authorized service agency.</p>																					
62	7.8. CASING & TUBING RUNNING TOOLS & EQUIPMENT INCLUDING REQUIRED CONSUMABLES (Page 189-191 of 440)	<p>The following tools and equipment for casings/liners/tubings as defined in TABLE NO. (37) below are to be provided by the successful Bidder:</p> <p>TABLE 37 – Refer to SOW</p> <table border="1" data-bbox="465 970 1144 1401"> <thead> <tr> <th>SL. NO.</th> <th>DESCRIPTION</th> <th>UOM</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Casing Gears for 13.⁵/₈", 10.³/₄", 10", 7.⁵/₈", 6" and 4.¹/₂" casing and liners</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Power Tongs, HPU, Spiders (only for oblong size) & Accessories</td> <td></td> <td></td> </tr> </tbody> </table>	SL. NO.	DESCRIPTION	UOM	QTY	A	Casing Gears for 13. ⁵ / ₈ ", 10. ³ / ₄ ", 10", 7. ⁵ / ₈ ", 6" and 4. ¹ / ₂ " casing and liners			1	Power Tongs, HPU, Spiders (only for oblong size) & Accessories			<p><i>Bidder shall quote as per the final tool list in PROFORMA-B3. TUBULAR RUNNING'.</i></p> <p>REVISED TABLE 37</p> <table border="1" data-bbox="1323 981 2011 1273"> <thead> <tr> <th>SL. NO.</th> <th>DESCRIPTION</th> <th>UOM</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Casing Gears for 20", 10.³/₄", 7.⁵/₈" and 4¹/₂" casing and liners</td> <td></td> <td></td> </tr> </tbody> </table>	SL. NO.	DESCRIPTION	UOM	QTY	A	Casing Gears for 20", 10. ³ / ₄ ", 7. ⁵ / ₈ " and 4 ¹ / ₂ " casing and liners		
SL. NO.	DESCRIPTION	UOM	QTY																				
A	Casing Gears for 13. ⁵ / ₈ ", 10. ³ / ₄ ", 10", 7. ⁵ / ₈ ", 6" and 4. ¹ / ₂ " casing and liners																						
1	Power Tongs, HPU, Spiders (only for oblong size) & Accessories																						
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A	Casing Gears for 20", 10. ³ / ₄ ", 7. ⁵ / ₈ " and 4 ¹ / ₂ " casing and liners																						

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description				Modified/New clause Description				
		2	Electric Hydraulic Power Tong Unit along with all fittings and accessories, capable of running casings and tubing <i>(as per Table No.37)</i>	Unit	02	1	Power Tongs, HPU, Spiders (only for oblong size) & Accessories			
		3	Digital Torque and Turn Monitoring System capable of accurate torque measurement. a) It should be capable of monitor, control and record every make-up and break up. b) Load Cell and Cable to transfer all data alongwith all accessories. c) It should be capable to monitor and record torque turns applied to tubulars with Joint Analysed Makeup Computer System with memory back-up d) It should be capable to offer data recall, statistical analysis, pipe tally, and	Unit	01	2	Electric Hydraulic Power Tong Unit along with all fittings and accessories, capable of running casings and tubing <i>(as per Table No.37)</i>	Unit	02	
						3	Digital Torque and Turn Monitoring System capable of accurate torque measurement. e) It should be capable of monitor, control and record every make-up and break up. f) Load Cell and Cable to transfer all data alongwith all accessories. g) It should be capable to monitor and record torque turns applied to tubulars with Joint Analysed Makeup Computer System with memory back-up. h) It should be capable to offer data recall, statistical	Unit	01	

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description				Modified/New clause Description				
			tong speed monitoring, among other features				analysis, pipe tally, and tong speed monitoring, among other features. Note: There is no separate line Digital Torque and Turn Monitoring System, bidder to quote accordingly with power tong system.			
		4	Hydraulic power tongs alongwith all accessories as below:				4			
		i	20 Eckel Hydra-Shift® UHT Casing Hydraulic Power Tongs or equivalent capable of handling 20" to 4.½" OD casing/liner alongwith jaws & spares for 20", 16", 13.⅝", 10.¾", 10", 9.⅝" and 7.⅝" and 7" OD casing and the followings: a) RPM Control b) Torque Turn Control System c) In-line Electronic Dump Valve d) Open / Close Centre Convertible Control Valve e) Door Interlock f) Lift Cylinder g) Spring Hanger	Unit	02		i	Unit	02	
		ii	7.⅝Eckel HDS-25 Hydraulic Power Tongs or equivalent	Unit	02					

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description				Modified/New clause Description				
			capable of handling 2.3/8" to 7.5/8" OD alongwith jaws and spares for 7.5/8", 4.1/2", 3.1/2, 2.7/8" and 2.3/8" and the followings: h) RPM Control i) Torque Turn Control System j) In-line Electronic Dump Valve k) Open / Close Centre Convertible Control Valve l) Door Interlock m) Lift Cylinder n) Spring Hanger				t) Lift Cylinder u) Spring Hanger			
		5	Heavy duty spider elevator & spider			ii	7 5/8" Eckel HDS-25 Hydraulic Power Tongs or equivalent capable of handling 2.3/8" to 7.5/8" OD alongwith jaws and spares for 7.5/8", 4.1/2", 3.1/2, 2.7/8" and 2.3/8" and the followings: v) RPM Control w) Torque Turn Control System x) In-line Electronic Dump Valve y) Open / Close Centre Convertible Control Valve z) Door Interlock aa) Lift Cylinder bb) Spring Hanger	Unit	02	
		i	500 Ton 20" spider elevator & slip alongwith 3 set of inserts for 20" casings alongwith all accessories including top & bottom guides	Unit	02	5	Heavy duty spider elevator & spider			
		ii	500 Ton spider elevator & slip, alongwith 3 set of inserts for 10.3/4", 10", 9.5/8" and 7.5/8",	Unit	02	i	500 Ton 20" spider elevator & slip alongwith 3 set of inserts for 20" casings alongwith all accessories including top & bottom guides (Optional)	Unit	02	

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description				Modified/New clause Description					
			7" and 4.½" casing along with top & bottom guides			ii	500 Ton spider elevator & slip, alongwith 3 set of inserts for 10 ¾", 7 ⅝" & 4 ½" casing along with top & bottom guides	Unit	02		
		6	Manual Casing Handling Gears as per Table -37			6	Manual Casing Handling Gears as per Table -37				
		i	Single joint and side door Manual Elevators [Casing: 10.¾", 10", 9.⅝" and 7.⅝", 7", 4.½" and Tubing: 3.½" for coupled and Integral Upset Tubing]System alongwith all accessories and back-up	Unit	02	i	Single joint and side door Manual Elevators [Casing: 10 ¾", 7 ⅝", & 4 ½" and Tubing: 3 ½" for coupled and Integral Upset Tubing] System alongwith all accessories and back-up	Unit	02		
		ii	Manual Hand Slip [Casing: 10¾", 10", 9⅝" and 7⅝", 7", 4½" and Tubing: 3½"]System alongwith all accessories and back-up	Unit	02	ii	Manual Hand Slip [Casing: 10¾", 7⅝" & 4½" and Tubing: 3½"] System alongwith all accessories and back-up	Unit	02		
		iii	Manual Tong [Casing: 10¾", 10", 9⅝" and 7⅝", 7", 4½" and Tubing: 3½"]System alongwith all accessories and back-up	Unit	02	iii	Manual Tong [Casing: 10¾", 7⅝" & 4½" and Tubing: 3½"] System alongwith all accessories and back-up	Unit	02		
		iv	Safety clamp alongwith spares Sets for sizes[Casing: 10¾", 10", 9⅝" and 7⅝", 7", 4½" and Tubing: 3½" (standard type)System	Unit	02	iv	Safety clamp alongwith spares Sets for sizes [Casing: 10¾", 7⅝" & 4½" and Tubing: 3½" (standard type)System alongwith all accessories and back-up	Unit	02		

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description				Modified/New clause Description				
			alongwith all accessories and back-up			v	20" belt tong alongwith all accessories and back-up	Unit	02	
		v	20" belt tong alongwith all accessories and back-up	Unit	02	vi	Any other tools and equipment			
		vi	Any other tools and equipment			B	3.½" Tubing Gear			
		B	3.½" Tubing Gear			1	3.½" Single Joint Pick-up Elevator along with Slings for c) Coupled Tubing d) Integral Upset Tubing	Unit	02 each	
		1	3.½" Single Joint Pick-up Elevator along with Slings for a) Coupled Tubing b) Integral Upset Tubing	Unit	02 each	2	150 Tons slip type tubing elevator/ spider combination along with 3.½" slips for Integral Tubing alongwith all accessories and back-up	Unit	02	
		2	150 Tons slip type tubing elevator/ spider combination along with 3.½" slips for Integral Tubing alongwith all accessories and back-up	Unit	02	3	150 Ton, Manual-type Tubing Elevator for 3½" tubing size along with spares for coupled tubing alongwith all accessories and back-up	Unit	02	
		3	150 Ton, Manual-type Tubing Elevator for 3½" tubing size along with spares for coupled tubing alongwith all accessories and back-up	Unit	02	4	Safety clamp alongwith spares Sets	Unit	02	
		4	Safety clamp alongwith spares Sets	Unit	02	5	150 Ton, Hand Slips (standard type)	Unit	02	

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description				Modified/New clause Description																											
		5	150 Ton, Hand Slips (standard type)	Unit	02	6	<i>Manual Tubing tong</i>	Unit	02																								
		6	Manual Tubing tong	Unit	02																												
63	Clause 7.10 (Page 191 of 440)	The Bidder shall provide all required consumables such as thread sealing compound, thread locking compound, thread dope, etc. for casing / liner running operations at the rig as per tentative casing program. The thread sealing, locking, and doping compounds should be suitable for the casing grades and connections specified. No separate payment other than Service Day Rate (SDR) for Casing Running Services will be made for such consumables. A tentative requirement of consumables is provided below:				<i>The Bidder shall provide all required consumables such as thread sealing compound, thread locking compound, thread dope, etc. for casing / liner running operations at the rig as per tentative casing program. The thread sealing, locking, and doping compounds should be suitable for the casing grades and connections specified. There will be no separate line item for the consumables (Table No 38), Bidder to consider the cost and quote accordingly. A tentative requirement of consumables is provided below:</i>																											
64	Description of the Items in the table under Clause 7.10 (Page 191 of 440)	<table border="1"> <thead> <tr> <th data-bbox="465 868 564 948">Sl No.</th> <th data-bbox="564 868 1167 948">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="465 948 564 1059">1</td> <td data-bbox="564 948 1167 1059">API Modified high pressure & high/ normal Temperature Thread lubricant (dope), 25 Kg Pile</td> </tr> <tr> <td data-bbox="465 1059 564 1134">2</td> <td data-bbox="564 1059 1167 1134">API Modified Thread Locking Compound (½ lb kit)</td> </tr> <tr> <td data-bbox="465 1134 564 1209">3</td> <td data-bbox="564 1134 1167 1209">API Casing & Tubing Dope Applicator (Brush)</td> </tr> <tr> <td data-bbox="465 1209 564 1284">4</td> <td data-bbox="564 1209 1167 1284">Thread Cleaning solution for premium thread (10 Litter Cask)</td> </tr> <tr> <td data-bbox="465 1284 564 1388">5</td> <td data-bbox="564 1284 1167 1388">Teflon Drifts for all casing/tubulars [Casing: 10.¾", 10", 9.½", 7.⅝", 7", 4½" and Tubing: 3½"]</td> </tr> </tbody> </table>				Sl No.	Description	1	API Modified high pressure & high/ normal Temperature Thread lubricant (dope), 25 Kg Pile	2	API Modified Thread Locking Compound (½ lb kit)	3	API Casing & Tubing Dope Applicator (Brush)	4	Thread Cleaning solution for premium thread (10 Litter Cask)	5	Teflon Drifts for all casing/tubulars [Casing: 10.¾", 10", 9.½", 7.⅝", 7", 4½" and Tubing: 3½"]	<table border="1"> <thead> <tr> <th data-bbox="1368 868 1449 948">Sl No.</th> <th data-bbox="1449 868 2009 948">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="1368 948 1449 1059">1</td> <td data-bbox="1449 948 2009 1059">API Modified high pressure & high/ normal Temperature Thread lubricant (dope), 25 Kg Pile</td> </tr> <tr> <td data-bbox="1368 1059 1449 1134">2</td> <td data-bbox="1449 1059 2009 1134">API Modified Thread Locking Compound (½ lb kit)</td> </tr> <tr> <td data-bbox="1368 1134 1449 1209">3</td> <td data-bbox="1449 1134 2009 1209">API Casing & Tubing Dope Applicator (Brush)</td> </tr> <tr> <td data-bbox="1368 1209 1449 1284">4</td> <td data-bbox="1449 1209 2009 1284">Thread Cleaning solution for premium thread (10 Litter Cask)</td> </tr> <tr> <td data-bbox="1368 1284 1449 1388">5</td> <td data-bbox="1449 1284 2009 1388">Teflon Drifts for all casing/tubulars [Casing: 10¾", 7⅝" & 4½" and Tubing: 3½"]</td> </tr> </tbody> </table>				Sl No.	Description	1	API Modified high pressure & high/ normal Temperature Thread lubricant (dope), 25 Kg Pile	2	API Modified Thread Locking Compound (½ lb kit)	3	API Casing & Tubing Dope Applicator (Brush)	4	Thread Cleaning solution for premium thread (10 Litter Cask)	5	Teflon Drifts for all casing/tubulars [Casing: 10¾", 7⅝" & 4½" and Tubing: 3½"]
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Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description	
		6	Clamp type Casing Thread Protector [Casing: 10.¾", 10", 9.5/8", 7.5/8", 7", 4.½" and Tubing: 3.½"]	6	Clamp type Casing Thread Protector [Casing: 10¾", 75/8" & 4½" and Tubing: 3½"]
		7	Any other consumable	7	Any other consumable
B.9.0. SUPPLY OF DRILLING BITS					
65	9.5 SERVICE REQUIREMENT (i) (Page 204 of 440)	Bidder must supply all types of bits i.e., TCR Milled tooth, Insert & PDC bits of all the sizes as mentioned in Table No- 38 under Clause No. 10.2 Price Bid Format [PROFORMA-B2 (BIT) and PROFORMA-B9 BITS OPTIONAL] on Annualised and Assorted Consignment Basis. Detail break-up of assorted types will be decided by OIL in consultation with IDS Co-ordinator.		Bidder must supply all types of bits i.e., TCR (Milled tooth & insert) & PDC (Matrix and Steel body) bits of all the sizes as mentioned in Table No- 38 under Clause No. 10.2 Price Bid Format [PROFORMA-B2 (BIT) and PROFORMA-B9 BITS OPTIONAL] on Assorted Consignment Basis. Detail break-up of assorted types will be decided by OIL in consultation with IDS Co-ordinator.	
66	9.5 SERVICE REQUIREMENT (xvii) (Page 205 of 440)	Minimum consignment period of Tendered Bits shall be one year, and IDS Co-ordinator shall be responsible for returning the unused bit before the ending of the consignment period.		Minimum consignment period of Tendered Bits shall be one year, and IDS Co-ordinator shall be responsible for returning the unused bit after the end of minimum consignment period. However, OIL can also decide to return the bit before the minimum consignment period if it envisaged such bits are not of use in operation.	
67	9.5 SERVICE REQUIREMENT (xviii) (Page 205 of 440)	OIL will use the bits from the lot/ consignment as required and the remaining unused bits shall be taken back by the service provider at their own cost or OIL may use in other projects independently without IDS1 package. Payment will be made on actual without performance criteria		OIL will use the bits from the lot/ consignment as required and the remaining unused bits shall be taken back by the service provider at their own cost or OIL may use in other projects independently without IDS-1 package. Payment will be made on actual without performance criteria. Moreover, OIL may outright purchase suitable left-over bits at the end of contract period, at the sole discretion of OIL in a mutually agreed price but not more than the quoted price. Quantity of bits retained at the end of contract period shall not exceed the quantity against the contract.	

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
68	9.5 SERVICE REQUIREMENT (xxviii) (Page 206 of 440)	During the course of execution, if bit failed to reach the lowest minimum performance criteria as per TABLE NO. (52), (53) and (54) under clause 8 BIT PERFORMANCE CRITERIA of SOR consecutively for 03 times, the service provider may propose for utilization of any other higher-grade BIT for approval from OIL. However, the rate quoted for the newly proposed BIT should be discounted by 10% of the quoted price for the “Best Offered Bit” for that particular hole section. However, for such a new bit, the contractor shall not be eligible for any incentive as per TABLE NO. (56) under (vi) of PAYMENT FOR BIT of SCHEDULE OF RATES (SOR) Part-3 SECTION-IV.	During the course of execution, if bit failed to reach the lowest minimum performance criteria as per TABLE NO. (52), (53) and (54) under clause 8 BIT PERFORMANCE CRITERIA of SOR consecutively for 03 times, the service provider may propose for utilization of any other higher-grade BIT for approval from OIL. However, the rate quoted for the newly proposed BIT should be discounted by 1% of the quoted price for the “Best Offered Bit” for that particular hole section. However, for such a new bit, the contractor shall not be eligible for any incentive as per TABLE NO. (56) under (vi) of PAYMENT FOR BIT of SCHEDULE OF RATES (SOR) Part-3 SECTION-IV.
B.10.0. PRODUCTION COMPLETION SERVICE INCLUDING SUPPLY OF CONSUMABLES			
69	10.2. SCSSSV Point no. (vi) (Page 215 of 440)	Material of construction: L80, 9Cr-1Mo	Material of construction: L80, 9Cr-1Mo <i>(13% Cr material)</i>
70	10.2. SCSSSV Point no. (xi) (Page 215 of 440)	Maximum pressure for hydraulic operating system: 3500 psi.	Maximum pressure for hydraulic operating system: 10,000 psi.
71	10.2.4. CONTROL LINE, SEAMLESS, 1/4" WITH ACCESSORIES (QUANTITY = 1 NO PER SET) (Page 216 of 440)	Seamless & continuous control line, ¼" OD X 0.035", 600 feet long, Stainless Steel 316 annealed, wrapped on wooden/ plastic drum, WP 5000 PSI, Test pressure 7500 PSI, Suitable for operating temperature of 275 ° F with following accessories	Seamless & continuous control line, ¼" OD X 0.035", 600 feet long, Stainless Steel 316 annealed, WP 10000 PSI , Suitable for operating temperature of 275 ° F”

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
72	10.3. Hydrostatic set Retainer Packer, (Page 217 of 440)	Contractor shall supply Packer, Retainer for 7 ⁵ / ₈ ", Hunting SLXD (Box up, pin down), Manufactured according to ISO 14310 Standard Packer and API 11D1, Permanent/Retainer Production as per the following requirement. Packer design must be Grade V1 or better.	<i>Contractor shall supply Hydrostatic set Retainer Packer for 7⁵/₈", Hunting SLXD (Box up, pin down), manufactured according to ISO 14310 Standard /QMS standard ISO 9001:2005 and API 11D1, Permanent/Retainer Production as per the following requirement. Packer design must be Grade V1 or better.</i>
73	10.3.(i) The packer shall be suitable for following duty conditions: (Page 217 of 440)	Casing Size: 193.68 mm (7-5/8") OD x 35.7 – 44.2 kg/m (24-29.7 PPF).	<i>Casing Size: 193.68 mm (7-5/8") OD x 35.7 – 44.2 kg/m (24-29.7 PPF/29.7-33.7 PPF)</i>
74	10.3. Hydrostatic set Retainer Packer, (iii) (c) (Page 218 of 440)	The packer must have a 4' (ft) seal bore in the top section, combined with a 4' seal assembly, stung into the seal bore, and locked in place with a shearable device requiring not less than 50,000 lbs to shear, such that the seal assembly can be pulled out.	<i>The packer must have a 4' (ft) seal bore in the top section, combined with a 4' seal assembly, stung into the seal bore, and locked in place with a shearable device requiring not less than 50,000 lbs to shear, such that the seal assembly can be pulled out.</i> <i>Packer and Packer Bore Receptacle combination is also acceptable, if the sub assembly is prepared prior to the shipment and meet the requirements stated as above for the Packer. Bidder to undertake the same.</i>
75	New clause under 10.3. Hydrostatic set Retainer Packer, (iii) (Page 218 of 440)	New Clause	<i>(f) Bidder to submit their setting method and offer retrieving tool for the packer retrieval while quoting for Hydrostatic set Retainer Packer if required for retrieving.</i>
76	10.4. Supply of bridge plug		
	(i) Bridge plug for 10 ³ / ₄ " Liner (Page 218 of 440)	BRIDGE PLUG FOR 10³/₄ OD LINER • Suitable to set in Casing 10 ³ / ₄ "O.D.	BRIDGE PLUG FOR 10³/₄ OD LINER • Suitable to set in Casing 10 ³ / ₄ "O.D (P-110).

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
		<ul style="list-style-type: none"> • PPF Casing: 29.3-53.5. • 275°F Temperature • Should be able to withstand a differential pressure rating of 8,000 psi (minimum). • It should be accompanied with all necessary accessories as “ready for use from all respect” including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. 	<ul style="list-style-type: none"> • PPF Casing: 32.75 to 65.60. • 275°F Temperature • Should be able to withstand a differential pressure rating of 8,000 psi (minimum). • It should be accompanied with all necessary accessories as “ready for use from all respect” including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. • <i>Wireline set permanent Bridge Plug. Compatible Adapter kit needs to be provided accordingly. Manufactured and certified as per API11D1 or ISO 14310 with V1 validation.</i>
	(ii) BRIDGE PLUG FOR 10" OD LINER (OPTIONAL) (Page 218 of 440)	Deleted	
	(iii) Bridge plug for 7 ⁵ / ₈ " OD Liner (Page 219 of 440)	<p>BRIDGE PLUG FOR 7⁵/₈" OD LINER</p> <ul style="list-style-type: none"> • Suitable for Casing Size: 10" O.D. • PPF Casing: 29.3-53.5 • Temperature: 275°F • Should be able to withstand a differential pressure rating of 7500 psi (minimum). • It should be accompanied with all necessary accessories as “ready for use from all respect” including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. 	<p>BRIDGE PLUG FOR 7⁵/₈" OD LINER</p> <ul style="list-style-type: none"> • Suitable for Casing Size: 7⁵/₈" O.D (P-110). • PPF Casing: 20.00 to 42.80 • Temperature: 275°F • Should be able to withstand a differential pressure rating of 7500 psi (minimum). • It should be accompanied with all necessary accessories as “ready for use from all respect” including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. • <i>Thru-Tubing Permanent Bridge Plug</i>

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
			<i>Manufactured and certified as per API11D1 or ISO 14310 with V1 validation.</i>
	(iv) BRIDGE PLUG FOR 7" OD LINER (OPTIONAL) (Page 219 of 440)	BRIDGE PLUG FOR 7" OD LINER (OPTIONAL) <ul style="list-style-type: none"> • Suitable for Casing Size: 7" O.D. • PPF Casing: 29.3-53.5 • Temperature: 275°F • Should be able to withstand a differential pressure rating of 8,000 psi (minimum) • It should be accompanied with all necessary accessories as "ready for use from all respect" including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. 	BRIDGE PLUG FOR 7" OD LINER (OPTIONAL) <ul style="list-style-type: none"> • Suitable for Casing Size: 7" O.D (N-80) • PPF Casing: 20.00 to 38.00 • Temperature: 275°F • Should be able to withstand a differential pressure rating of 8,000 psi (minimum) • It should be accompanied with all necessary accessories as "ready for use from all respect" including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. • <i>Thru-Tubing Permanent Bridge Plug</i> • <i>Manufactured and certified as per API11D1 or ISO 14310 with V0 validation.</i>
	(v) Bridge plug for 4½" OD Liner (Page 219 of 440)	BRIDGE PLUG FOR 4.½" OD LINER (12.6 PPF): <ul style="list-style-type: none"> • Suitable to be run through 3 ½" OD, 10.2 ppf tubing. • Suitable to be set in 4 ½" OD, L80, 12.6 ppf Liner. • Should be able to withstand a differential pressure rating of 3000 psi (minimum) • It should be accompanied with all necessary accessories as "ready for use from all respect" including Adapter Kit / Setting Kit, upper slip/lower slip, release/shear stud etc. as applicable. 	BRIDGE PLUG FOR 4.½" OD LINER (12.6 PPF): <ul style="list-style-type: none"> • <i>Suitable to be run through 3 ½" OD, 10.2 ppf tubing.</i> • <i>Suitable for Casing Size: 4½" OD (L-80/N-80), 12.6 PPF.</i> • <i>Temperature: 275°F.</i> • <i>Should be able to withstand a differential pressure rating of 3000 psi (minimum).</i> • <i>It should be accompanied with all necessary accessories.</i> • <i>Thru-Tubing Permanent Bridge Plug</i> • <i>Manufactured and certified as per API11D1 or ISO 14310 with V0 validation.</i>
	(vi) BRIDGE PLUG FOR 4.½" OD LINER		Deleted

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description												
	(15.1 PPF) (OPTIONAL) (Page 219 of 440)														
SPECIAL CONDITIONS OF CONTRACT (SCC)															
77	2.0 MOBILIZATION MOBILIZATION OF THE TOOLS/SERVICES: Clause no. (ii) (e) (Page 227 of 440)	(e) For supply of bits, an assorted of all consignment and 5-10% of total bits to ready for use in Duliajan within 120 days from the date of 1 st mobilization notice.	<i>(e) For supply of bits, 5-10% of total bits (shall be called as consignment/lot) as per tender scope to be ready for use in Duliajan within 150 days from the date of 1st mobilization notice. Such consignment/lot shall be mixed/assorted type comprising all types of bits including optional as decided by the Company.</i>												
78	9.0 INSURANCE (Page 231 of 440)	As per GCC. Sum assured should not be less than Estimated Contract Value as per the LOA/Contract in case of Projects/Works Contracts. In case of annualized contract One year Estimated Contract Value	<i>As per GCC and Clause no. 47.0 of SCC below.</i>												
79	20.0 SCHEDULE OF PENALTY (i) PERSONNEL TABLE NO. (48): SCHEDULE OF PENALTY [MANPOWER]	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Deficiency of Competent Official</th> <th>Penalty</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Base Coordinator</td> <td> <ul style="list-style-type: none"> No deduction for three days against prior approval Beyond 03 days, 10% of the ODR rate of the particular string till suitable replacement duly approved by Oil India Ltd. arrives. </td> </tr> </tbody> </table>	Sl. No.	Deficiency of Competent Official	Penalty	1	Base Coordinator	<ul style="list-style-type: none"> No deduction for three days against prior approval Beyond 03 days, 10% of the ODR rate of the particular string till suitable replacement duly approved by Oil India Ltd. arrives. 	<table border="1"> <thead> <tr> <th>Sl. No</th> <th>Deficiency of Competent Official</th> <th>Penalty</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IDS Coordinator</td> <td> <ul style="list-style-type: none"> No deduction for three days against prior approval. Beyond 03 days, 10% of the ODR rate of the active sets till suitable replacement duly approved by Oil India Ltd. arrives. </td> </tr> </tbody> </table>	Sl. No	Deficiency of Competent Official	Penalty	1	IDS Coordinator	<ul style="list-style-type: none"> No deduction for three days against prior approval. Beyond 03 days, 10% of the ODR rate of the active sets till suitable replacement duly approved by Oil India Ltd. arrives.
Sl. No.	Deficiency of Competent Official	Penalty													
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Sl. No	Deficiency of Competent Official	Penalty													
1	IDS Coordinator	<ul style="list-style-type: none"> No deduction for three days against prior approval. Beyond 03 days, 10% of the ODR rate of the active sets till suitable replacement duly approved by Oil India Ltd. arrives. 													

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description		Modified/New clause Description			
		2	LWD/MWD Engineer	10% of the ODR rate of the particular string till suitable replacement duly approved by Oil India Ltd arrives.	2	LWD/MWD Engineer	10% of the ODR rate of the particular active set (Directional) against each personnel till suitable replacement duly approved by Oil India Ltd arrives.
		3	Directional Driller	10% of the ODR rate of the particular string till suitable replacement duly approved by Oil India Ltd arrives.	3	Directional Driller	10% of the ODR rate of the particular active set (Directional) against each personnel till suitable replacement duly approved by Oil India Ltd arrives.
		4	Mud Engineer	10% of the ODR rate of the particular string till suitable replacement duly approved by Oil India Ltd arrives.	4	Mud Engineer	1.5 times of the ODR of mud engineer against each personnel till suitable replacement duly approved by Oil India Ltd arrives.
		5	Expert of Particular Call out service	10% of the ODR rate of the particular service till suitable replacement duly approved by Oil India Ltd. arrives	5	Expert of Particular Call out service	10% of the ODR rate of the particular service till suitable replacement duly approved by Oil India Ltd. arrives
SCHEDULE OF RATES (SOR)							
80	8. PAYMENT FOR BIT: Note (iii) (Page 289 of 440)	In addition to drilling, all bits must be capable of using in hole probing tripping and reaming/wash-down if encountered tight spots/held-up/squeeze etc. but not limited.		In addition to drilling, all bits must be capable of using in hole probing tripping and reaming/wash-down if encountered tight spots/held-up/squeeze etc. but not limited, however, such operation will be based on the condition of the bit or remaining life.			

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
81	8. PAYMENT FOR BIT: Note (vi) (Page 290 of 440)	In case, a particular bit supplied by the service provider performs beyond the performance criteria fixed in the TABLE NO. (51), (52) and (53) Table-23 (MINIMUM PERFORMANCE CRITERIA) in a well following incentive shall be paid against that particular bit used in that well:	<i>In case, a particular bit supplied by the service provider performs beyond the performance criteria fixed in the TABLE NO. (52), (53) and (54) (MINIMUM PERFORMANCE CRITERIA) in a well following incentive shall be paid against that particular bit used in that well:</i>
ANNEXURES			
82	ANNEXURE-F (Page 307-308 of 440)	<i>Stands Deleted</i>	
83	ANNEXURE-P Column no. 5 of Sl No. 3 of the table Directional, GR, Resistivity (Induction Type): (Page 333 of 440)	<ul style="list-style-type: none"> • Bore hole Compensated Focused button Resistivity. • Bit resistivity • Real time resistivity Image (56 sector) 	<i>Deleted</i>
APPENDIX			
84	Appendix-III Sl. No. 2 of the table under Clause no. 1.0 Centrifuge Services:	Specification of Centrifuge Maximum Bowl Speed – 3250 rpm	Specification of Centrifuge Maximum Bowl Speed – 3200 rpm

Sl. No	Section, Clause, Sub Clause of the Revised Tender Document	Existing Tender Clause Description	Modified/New clause Description
	(Page 403 of 440)		

*******END OF AMENDMENTS*******