



**ऑयल इंडिया लिमिटेड**

(भारत सरकार का उपक्रम) पंजीकृत कार्यालय : दुलियाजान, असम

**Oil India Limited**

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**SUB: AMENDMENT NO. 2 DATED 13.03.2015 TO TENDER NO. CLG5985L15 FOR PROCUREMENT OF SUB SEA WELL HEAD & DRIVE PIPES, SUPPLY OF INSTALLATION AND TESTING TOOLS ON RENTAL BASIS, SUPPLY OF SPARES ON CONSIGNMENT BASIS AND HIRING OF SERVICES OF WELL HEAD SERVICE ENGINEER FOR OFFSHORE DRILLING OPERATION IN BLOCK CY-OSN-2009/2, GULF OF MANNER**

Dear Sir /Madam

**This amendment to the tender is issued to amend the following clauses in lieu of existing:**

<b>Sr. No</b>	<b>Tender clause &amp; Page No</b>	<b>Original Clause of Tender</b>	<b>Amended Clauses consequent to the pre-bid conference</b>
1	Clause no: Sec-II Term of Ref/ Tech Spec/ SOW- Page 57, Cl# 2.1	1. Drawings, supporting literature, technical data sheets & installation & running procedures to fully evaluate the offered equipment & tools ( at least 4 sets in soft copy and three sets of A-3 Size Wellhead schematic for all phases for OIL's operations office and Rig)	Drawings, supporting literature, technical data sheets & installation & running procedures to fully evaluate the offered equipment & tools (one soft copy to be uploaded in the e-tender portal. But at least 4 sets of hard copies of A3 size Wellhead schematic for all stages are to be submitted within the BC date and

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2	<p>OIL's booklet ref: MM/GLOBAL/E-01/2005 Section No. 22.1: Page no: 20.</p> <p>All materials to be supplied shall be subject to inspection and test by OIL at its discretion at any stage of manufacture and before dispatch by mutual arrangement. Inspection and tests shall be carried out either by OIL's personnel or through a third party nominated by OIL</p>	<p>22.1 Inspection and Test</p> <p>All materials to be supplied shall be subject to inspection and test by OIL at its discretion at any stage of manufacture and before despatch by mutual arrangement. Inspection and tests shall be carried out either by OIL's personnel or through a third party nominated by OIL.</p>	<p>time).</p> <p>Inspection should be done as per Scope of Third Party Inspection as mentioned below :</p> <p><b>SCOPE OF INSPECTION, TESTS AND TPI</b></p> <p>1.0 INSPECTION, TESTING &amp; CERTIFICATION OF WELL HEAD ASSY:</p> <p>1.1 The Sub-sea Well Head Assembly/ System shall be inspected tested in conformance with API Spec 17D. The tests &amp; inspection and report thereof shall include but not limited to the followings.</p> <ul style="list-style-type: none"> <li>i) Chemical Analysis</li> <li>ii) Volumetric NDE &amp; Surface NDE of applicable items &amp; Welds</li> <li>iii) Mechanical Test as applicable</li> <li>iv) Hardness test of applicable items &amp; Welds</li> <li>v) Hydrostatic Test of 18.3/4 Well Head Housing Body</li> <li>vi) Function test of Connectors</li> <li>vii) Drift Tests of Well Head Assy &amp; Landing Sub</li> <li>viii) Any other Tests &amp; Inspections as per API Spec 17D &amp; Manufacturer's Standard</li> </ul> <p>1.2 DOCUMENTATION: Manufacturer of</p>

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			<p>the Sub-Sea Well Heads shall provide the following documents:</p> <ul style="list-style-type: none"> <li>a) Certificate of Conformance</li> <li>b) TPI Acceptance/ Release note</li> <li>c) Material Traceability Record</li> <li>d) Material Certificate</li> <li>e) NDE Reports</li> <li>f) Hardness Test Reports</li> <li>g) Hydrostatic Test Reports</li> <li>h) Heat Treatment Report</li> <li>i) Factory Acceptance Tests Report</li> </ul> <p>THIRD PARTY INSPECTION FOR SUB-SEA WELL HEADS:</p> <p>Inspection by an independent third party shall Monitor/ Spot Check/ Spot Witness/ 100% Witness/ Review documents as applicable covering the above indicated inspection, tests and Reviews and also as per scope of API Spec 17D. However they must witness but not limited to the followings.</p> <ul style="list-style-type: none"> <li>a) Hydrostatic Test of 18.3/4 Well Hd Housing Body</li> <li>b) Function test of Connectors</li> <li>c) Drift Tests of Well Head Assy &amp; Landing Sub</li> </ul>

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			<p><b>NOTE-1:</b></p> <p><b>A) The Sub-Sea Well Heads shall be monogrammed and marked as per API SPEC 17D.</b></p> <p><b>B) The manufacturer shall furnish a certificate of conformance stating that the material has been manufactured, sampled, tested and inspected in accordance with API Spec. 17D latest edition. The above certificate should be submitted to OIL in Original.</b></p> <p>2.0 MILL INSPECTION, TESTING &amp; CERTIFICATION OF CASINGS:</p> <p>2.1 The following tests and inspections shall be carried out as per API spec. 5L (latest edition) and results thereof furnished to OIL along with the supply. Mill Test Certificates are to be submitted to OIL in Original.</p> <p>i) Testing of Chemical Composition.  ii) Testing of Mechanical Properties.  iii) Hydrostatic Tests.  iv) Dimensional testing ( wall thickness,</p>

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			<p>drift test, length, weight, determination and straightness).</p> <p>v) Visual Inspection.</p> <p>vi) Non-Destructive Examination.</p> <p><b>The manufacturer shall furnish a certificate of compliance stating that the material has been manufactured, sampled, tested and inspected in accordance with API Spec. 5L latest edition. The above certificate should be submitted to OIL in Original.</b></p> <p>3.0 MARKING AND COATING Marking, Coating, Painting &amp; Colour Coding (if/ as applicable) for Well Head and Casings are to be carried out in conformance with API Spec 17D &amp; 5L respectively in addition to manufacturer's standard practice.</p> <p>4.0 THIRD PARTY INSPECTION FOR CASINGS:</p> <p>4.1 Inspection by an independent third party to cover the following as per API RP5SI, Appendix-A, Level-A shall be required against all casings.</p> <p><b>a) Pre-production Meeting</b></p>

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			<ul style="list-style-type: none"> <li>• Review purchase agreement to Manufacturing and Quality Plans</li> <li>• Production Scheduling</li>   <li><b>b) Steel Making</b></li> <li>• Verify heat Analysis</li> <li>• Confirm Traceability of Manufacturers Test Certificate to Steel</li>   <li><b>c) Rolling (SMLS) or Forming (SAW and EW)</b></li> <li>• Temperatures (SMLS), Sizing and Traceability M M M Welding (DSAW &amp; EW)</li> <li>• Welding Procedures and Welders' Qualifications</li> <li>• Materials, Speed, Weld Profile</li> <li>• Repairs</li>   <li><b>d) Heat Treating</b></li> <li>• Traceability, Temperatures and Times (SMLS and EW)</li> <li>• Full Body Normalizing (EW)</li> <li>• Seam Annealing (EW) Calibration of Equipment</li> </ul>

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			<p><b>e) In-line Mill Process</b></p> <ul style="list-style-type: none"> <li>• In-process Fluoroscope, UT or X-ray</li> <li>• Sizing or Expansion</li> <li>• Beveling/End Finish</li> </ul> <p><b>f) Non-Destructive Testing, General (NDT or NDE)</b></p> <ul style="list-style-type: none"> <li>• Calibration of Equipment and Verification of Standards.</li> <li>• Personnel Qualifications and Testing Procedures</li> <li>• Traceability</li> </ul> <p><b>g) NDT or NDE</b></p> <ul style="list-style-type: none"> <li>• Weld Seam UT, Fluoroscope</li> <li>• Full Body UT, EMI or Other Body Imaging Devices</li> <li>• Pipe End UT, Magnetic Particle or Other Methods</li> </ul> <p><b>h) Hydrostatic Testing</b></p> <ul style="list-style-type: none"> <li>• Gage and Chart Calibrations</li> <li>• Testing</li> </ul> <p><b>i) X-ray, Ends and Repairs</b></p> <ul style="list-style-type: none"> <li>• Film or Digital Imaging Review</li> </ul> <p><b>j) Mill Final Inspection</b></p>

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			<ul style="list-style-type: none"> <li>• Visual, Dimensional, Traceability Mechanical Testing and Chemical Verification</li> <li>• Tensile, Bend and Flattening Tests</li> <li>• Charpy and Drop Weight Tear Tests</li> <li>• Product Chemical Analysis</li> </ul> <p><b>k) Purchaser's Final Inspection</b></p> <ul style="list-style-type: none"> <li>• Visual</li> <li>• Dimensional</li> <li>• Marking and Traceability</li> </ul> <p><b>l) Loading, or Moving to Other Processes</b></p> <ul style="list-style-type: none"> <li>• See Coating, Double Ending, Threading or Others</li> </ul> <p><b>m) Final Document Review and Report to Purchaser</b></p> <p><b>NOTE-2</b> : Proper Tally sheet (in Original) indicating length of each joint of Casing with heat number of the joint should be furnished to OIL. The Tally sheet should be duly signed &amp; stamped by the Manufacturing Mill and will be endorsed (certified) by the third party inspection agency. In case of computerised tally sheet,</p>



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			<p>manufacturer's signature and stamp is not mandatory.</p> <p>4.2 The third party inspection is to be carried out by an internationally reputed inspection Agency. Bidders must indicate the availability of such a Third Party Inspection Agency in their area furnishing following information.</p> <p>(i) Name of the Inspecting Agency (OIL's clearance has to be obtained prior to engagement except M/s. Lloyds, M/s Bureau Varitas, M/s. RITES, M/s. I.R.S. and M/s DNV.</p> <p>(ii) All inclusive charge</p> <p><b>NOTE-3:</b></p> <p><b>A) Bidder to plan and liaise with the TPI Agency to carry out the inspections at appropriate time for the scopes as described above for execution.</b></p> <p><b>B) ALL THE INSPECTION AND TEST REPORTS, TPI REPORTS, TALLY SHEETS AND RELEVANT / INDICATED DOCUMENTS ARE TO BE MADE AVAILABLE PRIOR TO</b></p>

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			<p align="center"><b>DESPATCH OF THE ITEMS.</b></p> <p>OIL's approved TPI agencies are M/s. Lloyds, M/s. Bureau Veritus, M/s. RITES, M/s. IRS. And M/s. DNV</p>
3	<p>E-Tender No. CLG5985L15-SUBSEA WELL HEAD-CY BLOCK – Attachment I – Point# 2</p>	<p>Attachment – I</p> <p>GENERAL HSE POINTS TO BE INCORPORATED IN THE CONTRACT</p> <p>2. Every person deployed by the contractor in a mine must wear safety gadgets to be provided by the contractor. The Contractor shall provide proper Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and company PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness has to be DGMS approved. Necessary supportive document shall have to be submitted as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may apply to the Company (OIL) for providing the same. OIL will provide the safety items, if available. But in turn, OIL will recover the actual cost of the items by deducting from</p>	<p>2. Every person deployed by the contractor in a mine must wear safety gadgets to be provided by the contractor. The Contractor shall provide proper Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and company PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness has to be DGMS approved / ANSI / ISO no. 3873/ Equivalent. Necessary supportive document shall have to be submitted as proof. If the Contractor fails to provide the safety items as mentioned above to the working personnel, the Contractor may apply to the Company (OIL) for providing the same. OIL will provide the safety items, if available. But in turn, OIL will recover the actual cost of the items by</p>

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		Contractor's Bill. However, it will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. All the safety gears mentioned above are to be provided to the working personnel before commencement of the work.	deducting from Contractor's Bill. However, it will be the Contractor's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. All the safety gears mentioned above are to be provided to the working personnel before commencement of the work.
4	E-Tender No. CLG5985L15 SUBSEA WELL HEAD-CY BLOCK – Attachment I – Section 11, Page no-116.	Any compensation arising out of the job carried out by the Contractor whether related to pollution, Safety or Health will be paid by the contractor only.	Deleted
5	SECTION II, 2. Technical Scope of work Cl#1.1.11, (Page-65/117)	1.1.11: 36" Wellhead Housing (Low Pressure - LP) Complete With Extension Housing Heavy duty 36" Wellhead Housing - External profile for retrievable drilling & well completion. - Internal profile for cam actuated tool. - Bending capacity 5 million ft lbs. Internal profile to accept 18-3/4" high-pressure housing with anti rotation & preloaded lockdown. (Should not require additional trip to preload.)	1.1.11: 36" Wellhead Housing (Low Pressure - LP) Complete With Extension Housing Heavy duty 36" Wellhead Housing - External profile for retrievable drilling & well completion. - Internal profile for cam actuated tool. - Bending capacity 5 million ft lbs. Internal profile to accept 18-3/4" high-pressure housing with anti-rotation & preloaded lockdown. (Should not require

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		<p>- 36" x 1.5" WT butt weld preparation down.</p> <p>- Provision for 36" x 20" Cement top up facility, e.g</p> <p>- Low pressure housing to have 3"X4 ea ROV operated ball valve with a 90-degree bend &amp; a funnel receptacle to enable top job cementing between low pressure &amp; high-pressure housing. The top up system should be connected to the outlet on the LP 30" housing &amp; stick up of 18-3/4" wellhead above mudline shall be approx 3 m. Bidder to provide any equivalent Cement Top-up facility inbuilt into the PGB and LP Housing system.</p> <p>- Provision for mud mat attachment Housing Extension</p> <p>- 36" x 1.5" WT X 553 ppf API 5L, Grade X-56 drive pipe with RL4RB/D-90/MT/equivalent Connector</p> <p>- Welded to 36" housing as per relevant API guidelines</p> <p>- 100% NDE inspected weld to relevant API code</p> <p>- Protector installed</p> <p>- C-plate and other handling accessories for making up Inner Strings</p>	<p>additional trip to preload.)</p> <p>- 36" x 1.5" WT butt weld preparation down.</p> <p>- Suitable provision for 36" x 20" Cement top up facility, i.e - Low Pressure Housing/ Housing Extension to have 4 Nos. ROV operated 3" (minimum) ball valve with a 90-degree bend &amp; a funnel receptacle to enable top job cementing between low pressure &amp; high-pressure housing or with the PGB. The top up system should be connected with the LP 36" housing extension &amp; stick up of 18-3/4" wellhead above mudline shall be approx 4.50 m. Bidder to provide any equivalent Cement Top-up facility inbuilt into the PGB and LP Housing system.</p> <p>- Provision for mud mat attachment Housing Extension</p> <p>- 36" x 1.5" WT X 553 ppf API 5L, Grade X-56 Casing pipe with RL4RB/D-90/MT/equivalent Connector, Box up and Pin Down</p> <p>- Welded to 36" housing as per relevant API guidelines</p> <p>- 100% NDE inspected weld to relevant API code</p> <p>- Protector installed</p> <p>- C-plate and other handling accessories</p>

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6	SECTION II, 2. Technical Scope of work Cl#1.1.8 (Page-65/117)	<p><b>1.1.8 Permanent Guide Base Remote Retrievable (PGB) Assembly</b></p> <ul style="list-style-type: none"> <li>- Fitted with landing profile to run &amp; lock 36" wellhead housing and Minimum ID to pass the connector OD for 36" OD x 1.5" WT pipe RL4RB/D-90/MT or equivalent</li> <li>- ROV releasable slotted guide post. Slotted guide post 8 ft long on standard 6 ft radius.</li> <li>- Guide post top to accept remote guidelines (set of GL4 latches).</li> <li>- With integral anti-rotation feature.</li> <li>- Two or more cement funnels for Top-up Jobs.</li> <li>- Mounting bracket for slope indicators at two places Diagonally opposite to each other</li> <li>- Suitable for 3/4" wire rope</li> <li>- 4 lifting eyes pre - installed.</li> <li>- One (1) x Gimbal installed on PGB to suit TGB assembly, Split type, &amp; Retrievable in case TGB is not run.</li> </ul>	<p>for making up Inner Strings.</p> <p><b>1.1.8 Permanent Guide Base Remote Retrievable (PGB) Assembly</b></p> <ul style="list-style-type: none"> <li>- Fitted with landing profile to run &amp; lock 36" wellhead housing and Minimum ID to pass the connector OD for 36" OD x 1.5" WT pipe RL4RB/D-90/MT or equivalent</li> <li>- ROV releasable slotted guide post. Slotted guide post 8 ft long on standard 6 ft radius.</li> <li>- Guide post top to accept remote guidelines (set of GL4 latches).</li> <li>- With integral anti-rotation feature.</li> <li>- Two or more cement funnels for Top-up Jobs.</li> <li>- Mounting bracket for slope indicators at two places Diagonally opposite to each other</li> <li>- Suitable for 3/4" wire rope</li> <li>- 4 lifting eyes pre - installed.</li> <li>- Bidder to provide suitable arrangement for PGB &amp; TGB combination as well as PGB &amp; mud mat combination.</li> </ul>
7	SECTION II, 2. Technical Scope of work Cl#1.1.9 (Page-65/117)	<p><b>1.1.9 Split Type Gimbal for PGB Assembly</b></p> <ul style="list-style-type: none"> <li>- Extra Gimbal for PGB to suit TGB assembly, Split type, &amp; Retrievable in case TGB is not run.</li> </ul>	<p><b>1.1.9 Split Type Gimbal for PGB Assembly</b></p> <ul style="list-style-type: none"> <li>- Extra Split type Gimbal for PGB on LP Housing Extension to suit TGB assembly if TGB is run.</li> </ul>

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8	SECTION II, 2. Technical Scope of work Cl#1.1.12 (Page- 66/117)	<p><b>1.1.12 Mud mat</b></p> <p>Each set of Mud mat should contain;</p> <ul style="list-style-type: none"> <li>- One (1) Standard Landing base, Mud mat assembly, with sliding / folding / collapsible wing for moonpool access. (Minimum 10 ft X 10 ft) and other accessories like Gimbal and others with min 6 deg.Tilted angle.</li> <li>- Accessories and handling tools for mud mat installation</li> </ul>	<p><b>1.1.12 Mud Mat</b></p> <p>Each set of Mud mat should contain:</p> <ul style="list-style-type: none"> <li>• One (1) Standard Landing base, Mud mat assembly, Minimum 10 ft X 10 ft with sliding / folding / collapsible wing/ Fixed type for moon-pool access.</li> <li>• Other accessories like Gimbal and others with min 6 deg. Tilted angle.</li> </ul> <p>Accessories and handling tools for Mud Mat installation</p>
9	SECTION II, 2. Technical Scope of work Cl#1.1.13 (Page- 66,67/117)	<p>1.1.13) <b>18-3/4" Wellhead Housing, Complete with Housing Extension:</b></p> <p><b>18-3/4" Wellhead housing</b></p> <ul style="list-style-type: none"> <li>- with profile to accept three hangers 13-5/8", 9-5/8" &amp; 7"</li> <li>- 15,000 psi RWP, for H2S service</li> <li>- Bending capacity 5 million ft-lbs</li> <li>- Wellhead housing capable of preloaded lockdown into 36" LP housing and Seals without requiring an additional trip to preload.</li> <li>- Wellhead housing to be equipped with anti-rotation keys to interface to Low Pressure housing,</li> <li>- Wellhead connector profile suiting to 15,000 psi pressure rating.</li> </ul>	<p>1.1.13) <b>18-3/4" Wellhead Housing, Complete with Housing Extension:</b></p> <p><b>18-3/4" Wellhead housing</b></p> <ul style="list-style-type: none"> <li>- with profile to accept three hangers 13-5/8", 9-5/8" &amp; 7"</li> <li>- 15,000 psi RWP, for H2S service</li> <li>- Bending capacity 5 million ft-lbs</li> <li>- Wellhead housing capable of preloaded lockdown into 36" LP housing and Seals without requiring an additional trip to preload.</li> <li>- Wellhead housing to be equipped with anti-rotation keys to interface to Low Pressure housing,</li> <li>- Wellhead connector profile suiting to 15,000 psi pressure rating.</li> </ul>

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		<ul style="list-style-type: none"> <li>- Internal profile to accept cam actuated running tool.</li> <li>- Shall be able to run with Nominal Seat protector or Thick wall Nominal Seat Protector installed on surface</li> <li>- The stick up of 18-3/4" wellhead above mudline shall be approx <b>3 m.</b></li> <li><b>18-3/4" Housing Extension</b></li> <li>- Standard Housing Extension and one joint of 20" OD x 0.625" WTX 133 ppf API 5L, Grade X-56 welded.</li> <li>- Extension to be welded to housing as per relevant API guidelines</li> <li>- 100% NDE inspected weld as per relevant API guidelines</li> <li>- Bottom of housing extension shall have 20" RL-4S/E60-MT or equivalent Pin down</li> <li>- Protector installed</li> <li>- C-plate and other handling accessories for making up Inner Strings</li> </ul>	<ul style="list-style-type: none"> <li>- Internal profile to accept cam actuated running tool.</li> <li>- Shall be able to run with Nominal Seat protector or Thick wall Nominal Seat Protector installed on surface</li> <li>- The stick up of 18-3/4" wellhead above mudline shall be approx 4.50 m.</li> <li><b>18-3/4" Housing Extension</b></li> <li>- 20" OD x 0.812" WT 18-3/4" Housing Extension Joint (<b>for minimum bending capacity of 5.00 MM Ft-lbs of the entire system</b>) with compatible Pin connector which can made-up directly with 20" OD x 0.625" WT Casing Joints connectors.</li> <li>- Extension to be welded to housing as per relevant API guidelines</li> <li>- 100% NDE inspected weld as per relevant API guidelines</li> <li>- Bottom of housing extension shall have 20" RL-4S/E60-MT or equivalent Pin down</li> <li>- Protector installed</li> <li>- C-plate and other handling accessories for making up Inner Strings</li> </ul>

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10	SECTION II, 2. Technical Scope of work Cl#1.1.15-part (Page-67/117)	<p><b>Part of 1.1.15) 16" Casing Hanger System C/W PUP Joint</b></p> <ul style="list-style-type: none"> <li>- H2S service</li> <li>- To have large flow by area</li> <li>- To be designed to prevent the accumulation of cuttings / debris</li> <li>- 16" DinoVam/Tenaris Hydril ER Pin Down/Machine Installed to Casing Hanger/Protector Installed</li> <li>- Lockdown mechanism (Lock ring) and sealing</li> <li>- 3000 psi internal WP</li> </ul>	<p><b>1.1.15) 16" Casing Hanger System C/W PUP Joint</b></p> <ul style="list-style-type: none"> <li>- Non-NACE</li> <li>-To have large flow by area (Minimum flow-by area shall be 14 sq.inch or more for 13-5/8" &amp; 9-5/8" casing hangers. For 16 inch it shall be minm 10 sq. Inch or higher)</li> <li>- To be designed to prevent the accumulation of cuttings / debris</li> <li>- 16" DinoVam/Tenaris Hydril ER Pin Down, Machine Installed to Casing Hanger, Protector Installed.</li> <li>- Pup Joint of 10ft length (a16pprox..)</li> <li>- Lockdown mechanism (Lock ring) and sealing</li> <li>- 3000 psi internal WP</li> </ul> <p>Note: Exact threads/ type of connections for Casing Hanger &amp; Pup-joints will be intimated prior to/ with LOA.</p>
11	SECTION II, 2. Technical Scope of work <b>Cl#1.1.15-part</b> (Page-67/117)	<p><b>Part of 1.1.15) 16" Casing Hanger System C/W PUP Joint</b></p> <p><b>CONNECTION PROPERTIES( DINOVAM/Tenaris Hydril ER)</b></p> <ul style="list-style-type: none"> <li>- Connection type: Semi Premium or Premium</li> <li>- Connection I.D: Not less than Drift dia of Pipe</li> </ul>	<p><b>Part of 1.1.15) 16" Casing Hanger System C/W PUP Joint</b></p> <p><b>CONNECTION PROPERTIES( DINOVAM/Tenaris Hydril ER)</b></p> <ul style="list-style-type: none"> <li>- Connection type: Semi Premium or Premium</li> </ul>



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		(14.823"/ 376.50mm) - Minimum Tensile yield Strength: 2652klbs - Minimum Compression Resistance: 1326 klbs -Minimum internal Yield Pressure: 5960 PSI - Minimum External Pressure Resistance: 1480 PSI	- Connection I.D: Not less than Drift dia of Pipe (14.823"/ 376.50mm) - Minimum Tensile yield Strength: 2652klbs - Minimum Compression Resistance: 1326 klbs NOTE: Minimum ID/ Drift dia of 16" Hanger must not be less than 14.810"
12	SECTION II 2. Technical Scope of work <b>Cl#1.1.18</b> (Page-69/117)	<b>1.1.18) Annulus seal assemblies for 16" Casing hangers</b> - To seal between 20" Casing x 16" casing hanger & Pack-off & Landing sub - Minimum 3000 psi WP - Suitable for H2S service - Fully retrievable	<b>1.1.18) Annulus seal assemblies for 16" Casing hangers</b> - To seal between 20" Casing x 16" casing hanger & Pack-off & Landing sub - Minimum 3000 psi WP - NON-NACE - Fully retrievable
13	<b>Section IV, Schedule of rates, Price Proforma-1, page no.-83, serial no.-14 &amp; 15</b> (item description)	<b>14.</b> Emergency Annulus seal assembly for 16", 13-5/8", 9-5/8"  <b>15.</b> Secondary emergency annulus seal assembly (to provide sealing in case of failure of emergency seal assembly for 16", 13-5/8", 9-5/8"	<b>14.</b> Emergency Annulus seal assembly for 13-5/8", 9-5/8"  <b>15.</b> Secondary emergency annulus seal assembly (to provide sealing in case of failure of emergency seal assembly for 13-5/8", 9-5/8"
14	SECTION II 2. Technical Scope of work <b>Cl#1.1.24</b> (Page-	<b>1.1.24) Adequate number of 18-3/4" Wellhead Ring gasket(VX/Hycar as applicable), Stainless steel, 15,000 psi MWP for H2Sservice, Temperature rating to match wellhead</b>	<b>1.1.24) Adequate number of 18-3/4" Wellhead Ring gasket (VX), Stainless steel, 15,000 psi MWP for H2Sservice, Temperature rating to match wellhead</b>

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	70/117)  PRICE PROFORMA-4 ( ITEM NO. 1), page-91 & 93	<b>specification.</b>  <b>All the required metal ring gaskets (MWP 15 ksi), stainless steel gaskets (MWP 15 ksi) and Stailless steel ring gaskets with Hycar Insert type (MWP 10 ksi) for wellhead system</b>	<b>specification.</b> <b>Additionally Secondary Metal Seals (VT/Equivalent) of 15,000PSI rating are also to be provided for Wellhead-H-4 Connector. No such Sealing System of 10,000PSI Rating will be acceptable.</b>  <b>All the required metal ring gaskets (MWP 15 kpsi), stainless steel gaskets (MWP 15 kpsi) and Secondary Metal Seals (VT/Equivalent) of 15,000PSI rating for Wellhead-H-4 Connector for wellhead system</b>
15	SECTION II, 2. Technical Scope of work , <b>Cl#1.1.26 &amp; 1.1.27</b> (Page-71/117)	<b>1.1.26) ROV Retrievable Slope Indicator 0-2 deg</b>  <b>1.1.27) ROV Retrievable Slope Indicator 0-5 deg</b>	<b>1.1.26 ROV Retrievable/ Non ROV-Retrieval / Bolton type Slope Indicator 0-2 degree</b>  <b>1.1.27 ROV Retrievable/ Non ROV-Retrieval / Bolton type Slope Indicator 0-5 deg</b>
16	PRICE PROFORMA-1 ( ITEM NO. 17 & 18), Page- 84	17. ROV retrievable Slope Indicator - 0 to 2 Deg  18. ROV retrievable Slope Indicator - 0 to 5 Deg	<b>17. ROV Retrievable/ Non ROV-Retrieval / Bolton type Slope Indicator 0-2 degree</b>  <b>18. ROV Retrievable/ Non ROV-Retrieval / Bolton type Slope Indicator 0-5 deg</b>

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17	SECTION II, 2. Technical Scope of work , <b>Cl#4.1</b> (Page-73/117)	<b>4.1-part)</b> SAW, Structural pipe 36" OD (API 5L), 553 ppf, X56 grade with RL-4RB or D-90/MT or equivalent Quick make-up Multithread start weld on connectors. Pipes should have a welded Load Ring/equivalent arrangement capable of handling 6 to 7 joints, for running Pin up/(Box up) using elevators or a bolt on type arrangement to allow running on elevators.	<b>4.1-part)</b> SAW, Structural pipe 36" OD (API 5L), 553 ppf, X56 grade with RL-4RB or D-90/MT or equivalent Quick make-up Multithread start weld on connectors. Bidder to provide Bolt-on type Clamp/equivalent arrangement for handling/ running-in/ pulling-out 36" Casings with Box Up Pin down using Elevator. It should be capable of handling load of at least 7 (seven) joints of specified 36" Casings.
18	<b>Price Proforma-2, Page-86, Items 6 &amp; 7</b>	<b>Item Sl No. 6.</b> Casing Hanger and seal assembly Running Tool for 13-5/8" Casing  <b>Item Sl No. 7.</b> Casing Hanger and seal assembly Running Tool for 9-5/8" Casing	<b>Item Sl No. 6.</b> Casing Hanger and seal assembly Running Tool for 13-5/8" & 9-5/8" Casing.  <b>Item Sl No. 7. - THE ITEM IS DELETED COMPLETELY</b>
19	SECTION II, 2. Technical Scope of work , <b>Cl#1.1.25</b> (Page-71/117)	<b>Price Proforma-2, Page-87, Item 16 Corrosion Cap Running/Retrieval Tool. The specification of the item vide cl # 1.1.25 of Section-II, Page-70/117:</b>  <b>1.1.25) ROV Deployed Wellhead Corrosion Cap</b> - Light-weight, low pressure corrosion cap - Locking mechanism to secure to 18-3/4"	<b>1.1.25) ROV Deployed or Running-Retrieving Tool Assisted Wellhead Corrosion Cap</b> - Light-weight, low pressure corrosion cap - Locking mechanism to secure to 18-3/4" wellhead housing - ROV stab to allow fluid to be injected under the cap.

<b>Sr. No</b>	<b>Tender clause &amp; Page No</b>	<b>Original Clause of Tender</b>	<b>Amended Clauses consequent to the pre-bid conference</b>
		wellhead housing - ROV stab to allow fluid to be injected under the cap. - Corrosion cap should be able to be deployed & retrieved by ROV.	- Corrosion cap should be able to be deployed & retrieved by ROV.  <b>NOTE: If ROV deployed Corrosion cap is offered, the Item No. 16 (i.e Corrosion Cap Running/Retrieval Tool) in Price Proforma-2 shall not be quoted.</b>
20	New Clause		<p><b><u>COMPENSATION FOR LOST IN HOLE (LIH) or DAMAGED TOOLS/ EQUIPMENT</u></b></p> <p>OIL will compensate Contractor for any Rental Equipment/ Tools lost in the hole/damaged during transportation and Handling to the extent indicated in the contract and if such loss is not covered by Contractor's insurance or recoverable from other sources and provided that such loss is not due to:</p> <p>(a) Contractor's failure/negligence to follow API Standards, Standard Industry recommended practices and/or Contractor's own recommended and standard procedures; or</p> <p>(b) Improper maintenance, inspection and supervision of Contractor's</p>

<b>Sr. No</b>	<b>Tender clause &amp; Page No</b>	<b>Original Clause of Tender</b>	<b>Amended Clauses consequent to the pre-bid conference</b>
			<p>Equipment by the contractor/ their personnel;</p> <p>(c) Inadequate knowledge and experience of contractor's technical/ supervisory personnel.</p> <p>(d) Malfunction of Contractor's equipment, within Contractor's control; or</p> <p>(e) Premature failure or manufacturing defect of tools/ equipment</p> <p>(f) Exposure of Contractor's equipment to conditions beyond its rated certified safe maximum operating levels (except at OIL's direction); or</p> <p>(g) Normal operational/Usages wear and tear.</p> <p>In Price schedule as in Section IV, Bidder/ Contractor has to quote the Lost In Hole (LIH) or tool replacement price for each of the Rental Equipment and tools to be mobilized by Contractor under the Contract. Reasonably justified and depreciated value of tools/ shall be quoted as LIH value which will be taken</p>

<b>Sr. No</b>	<b>Tender clause &amp; Page No</b>	<b>Original Clause of Tender</b>	<b>Amended Clauses consequent to the pre-bid conference</b>
			<p>into consideration for evaluation. Bidder has to submit documentary evidence justifying the above quoted price. Although, the quoted price of Loss in Hole will be considered for evaluation for inter se ranking, however, it will not be included in the total contract cost. In case of loss in hole during execution of contract, the contractor will be paid as per their above quoted rate.</p> <p>For Equipment mobilised for Work under the Contract, Contractor shall indicate the description, serial number of the Equipment, maintenance record, year of manufacturer and / or year of purchase on the Proforma Invoice to be submitted at the time of Mobilisation of Equipment at OIL's Shore base. An On-Hire report indicating list of items, their quantities, year of manufacture/age and condition would be signed jointly by an authorized OIL representative and authorized representative of the Bidder/Contractor.</p> <p>Taking into consideration the above context, In the event of any loss of Contractor's Equipment in hole/ damaged during transportation and Handling, OIL</p>

Sr. No	Tender clause & Page No	Original Clause of Tender	Amended Clauses consequent to the pre-bid conference
			<p>will reimburse Contractor for such lost Equipment, the lost in hole (LIH) price as stipulated in Section IV or the Actual Repair cost whichever is less. No Mobilisation cost would be payable towards replacement of LIH Equipment. <b>The total responsibility for such repair jobs lies on the Contractor.</b></p> <p>In case fishing operations are not conducted or are not successful; OIL reserves the right to abandon Contractor's Equipment in the hole and reimburse Contractor as per the LIH price as specified in Section IV.</p> <p>Rental of any Equipment lost in hole shall cease when Fishing operations are abandoned and re-commence only when the Contractor mobilizes the replacement Equipment to OIL Shorebase. In case OIL does not carry out the fishing operations and declares the Equipment as lost in hole, the rental shall be payable till the Equipment was operational.</p>
21	E-Tender No. CLG5985L15 Proforma C – Bid	<b><u>ROFORMA – C, BID FORM</u></b> We agree to abide by this Bid for a period of 150 days from the date fixed for Bid opening and it	<b><u>ROFORMA – C, BID FORM</u></b> We agree to abide by this Bid for a period of <b>120</b> days from the date fixed for Bid

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	Form, Bid validity- <b>Page No- 103</b>	shall remain binding upon us and may be accepted at any time before the expiration of that period.	opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
22	<b>Reference Document: OIL's Booklet Ref. MM/GLOBAL/E-01/2005 Sec-Gen term and Cond.</b>	New Clause : Custom Clearance	Material will be used in OIL's eligible area hence no custom duty is applicable. However, OIL will arrange necessary Essentiality Certificate for Custom Clearance. For procurement of material, OIL will arrange its own clearing agent for clearance of materials from Custom at Chennai port.  OIL will provide EC for clearance of materials against Service Contract but the bidder/contractor has to clear the materials from customs.
23	<b>Reference Document: OIL's Booklet Ref. MM/GLOBAL/E-01/2005 Sec-Gen term and Cond. Clause 10.7, Page no - 14</b>	Section A of General Terms & Conditions – <b>PERFORMANCE SECURITY :</b> (NOTE : This clause is applicable only in case of tenders wherever specifically mentioned.)  <u>10.7)</u> <u>The Performance Security for capital nature items like plant and machinery etc. shall be valid for 12 months from the date of commissioning or 18 months from the date of shipment/despatch</u>	<b>Clarifications :</b>  <b>Against this tender, OIL may award two separate orders, one for procurement of materials and other for service Contract for procurement of service. In the event of contract and purchase order, bidder/contractor has to submit two separate PBGs, one for Procurement of Materials as per Format Annexure-VIII of MM/Global/E-01/2005 and for Services as per</b>



Sr. No	Tender clause & Page No	Original Clause of Tender	Amended Clauses consequent to the pre-bid conference
		<p><i>whichever concludes earlier. However, for consumables like chemicals, cement, tubular etc. the Performance Security shall be valid for 12 months from the date of shipment/despatch.</i></p> <p><i>The Performance Security will be discharged by OIL and returned to the Bidder/Seller, within 30 days of its expiry of validity including M/ GLOBAL/E-01/2005 (14) any extension sought thereof or on completion of obligations under the contract.</i></p>	<p><b>existing format of the Tender.</b></p>

**2.0 Clause nos. 17.1, 17.2.1 and 17.3 of Section I should be read as under in lieu of existing :**

17.1 Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of work within the stipulated period, the Contractor shall be liable to pay liquidated damages at the rate of 0.5 % of the total **Contract value** per week or part thereof of delay subject to maximum of 7.5%. Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilisation period till the date of commencement of Contract as defined in Clause 2.0 of Section-I. Liquidated Damage of supply of materials on procurement basis will be governed by the respective clause of MM/GLOBAL/E-01/2005-NOIDA.

17.2.1 The Company also reserves the right to cancel the Contract without any compensation whatsoever in case of failure to Complete the work within the stipulated period. In the event of non-completion of the jobs as per

the provisions of this contract, the company reserves the right to claim back the amount already paid to the Contractor.

17.3 deleted.

**3.0 BIDDER TO QUOTE FOB CHARGES, TPI CHARGES. OCEAN FREIGHT ETC AS MENTIONED IN THE PRICE BID FORMATS FOR PROCUREMENT OF MATERIALS FALING WHICH OFFER SHALL BE TREATED AS NON RESPONSIVE AND WILL BE REJECTED.**

**4.0 BID CLOSING DATE HAS BEEN EXTENDED 27.03.2015 (11:00 IST) IN LIEU OF EXISTING. ACCORDINGLY, DATE AND TIME OF OPENING OF TECHNICAL BID SHOULD BE READ AS 27.03.2015 (15:00 IST)**

**5.0 All other terms and conditions of the original tender will remain same.**



**(RUPAK KALITA)  
SENIOR MANAGER (C & P)(CEMG)  
FOR GROUP GENERAL MANAGER ( E & D)**