

**Amendment No.1 dated 07.01.2023  
to GEM Bid No. GEM/2022/B/2782734 dated 02.12.2022**

Sl. No.	Reference Page No; File No; Clause No	Existing Tender clause	Amended Tender Clause
1.	Clause 1.20 of Annexure A in Scope of Work(SoW); Page 17 of 23;	<p>1.20 TEST LABORATORY CABIN AND TESTING EQUIPMENT</p> <ul style="list-style-type: none"> <li>• Class 1 Division 11 rated</li> <li>• Should be equipped with the following equipment: <ul style="list-style-type: none"> <li>- Data acquisition system including</li> <li>- Pressure, temperature and Flow</li> <li>- Cabling</li> <li>- Computer hardware and software</li> <li>- Online Gas &amp; Liquid Flow meters calibration</li> <li>- Pressure gauges, ranges to include at minimum 0-10000 psi, 0-5000 psi, 0-2000 psi, 0- 200 psi</li> <li>- Thermometers</li> <li>- Eco meter for fluid level measurement</li> <li>- Gas gravitometer</li> </ul> </li> </ul>	<p>1.20 TEST LABORATORY CABIN AND TESTING EQUIPMENT</p> <ul style="list-style-type: none"> <li>• General Purpose lab or Class 1 Division 11 rated lab. The lab facilities shall be able to carry out all tests as per tender scope and shall not create any potential hazard for any operation.</li> <li>• Should be equipped with the following equipment: <ul style="list-style-type: none"> <li>- Data acquisition system including</li> <li>- Pressure, temperature and Flow</li> <li>- Cabling</li> <li>- Computer hardware and software</li> <li>- Online Gas &amp; Liquid Flow meters calibration</li> <li>- Pressure gauges, ranges to include at minimum 0-10000 psi, 0-5000 psi, 0-2000 psi, 0-200 psi</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>- Centrifuge (manual) for BS&amp;W content.</li> <li>- Hydrometer set</li> <li>- Dead weight tester</li> <li>- Gas detector</li> <li>- Portable H<sub>2</sub>S (range 10 ppm) and CO<sub>2</sub> detection/measurement equipment</li> <li>- Equipment to collect/transfer well fluid at surface for PVT analysis.</li> </ul>	<ul style="list-style-type: none"> <li>- Thermometers</li> <li>- Gas gravitometer</li> <li>- Centrifuge (manual) for BS&amp;W content.</li> <li>- Hydrometer set</li> <li>- Dead weight tester</li> <li>- Gas detector</li> <li>- Portable H<sub>2</sub>S (range 10 ppm) and CO<sub>2</sub> detection/measurement equipment</li> <li>- Equipment to collect/transfer well fluid at surface for PVT analysis.</li> </ul>
2.	Clause 1.4 of Annexure A, SoW; Page 13 of 23; Medium Pressure Piping	<p>1.4 MEDIUM PRESSURE PIPING PACKAGE</p> <ul style="list-style-type: none"> <li>• Suitable for minimum 3000 psi working pressure</li> <li>• Set to include elbows, straights, swivels and any x-overs needed for connections.</li> <li>• All piping connection downstream of choke manifold to separator to be medium pressure piping of suitable size, length.</li> </ul>	<p>1.4 MEDIUM PRESSURE PIPING PACKAGE</p> <ul style="list-style-type: none"> <li>• Suitable for minimum 2000 psi working pressure</li> <li>• Set to include elbows, straights, swivels and any x-overs needed for connections.</li> <li>• All piping connection downstream of choke manifold to separator to be medium pressure piping of suitable size, length.</li> </ul>
3.	Clause 2.1 of Annexure A, SoW; Page 18 of 23; Coil Tubing Unit	<p>a) O.D. of the tubing: 1¼" similar to QT 800 or equivalent</p> <p>b) Wall thickness: 0.109" or above</p> <p>c) Minimum Length of the tubing: 5,500 mtrs</p>	<p>a) O.D. of the tubing: 1¼" or 1½" similar to QT 800 or equivalent</p> <p>b) Wall thickness: 0.109" or above</p> <p>c) Minimum Length of the tubing: 5,500 mtrs</p>
4.	Clause 2.2 of Annexure A, SoW; Page 18-19 of 23; Nitrogen Pumping Unit	The bidder shall provide Self-propelled & Self-contained (i.e., composite unit with Liquid Nitrogen Tank with pumper) Nitrogen pumping Unit (NPU) mounted on an Oil field truck capable of pumping and vaporizing 180000 SCFH (MAX) along with a minimum storage tank of capacity 2000 US gallons liquid nitrogen.	The bidder shall provide skid mounted Nitrogen pumping Unit independently mounted or Self-propelled & Self-contained (i.e., composite unit with Liquid Nitrogen Tank with pumper) Nitrogen pumping Unit (NPU) on an Oil field truck capable of pumping and vaporizing 180000 SCFH (MAX) along with a minimum storage tank of capacity 2000 US gallons liquid nitrogen.

5.	Clause 4.0 of of Annexure A, SOW; Page 19-20 of 23 General Standard of Equipment	(i) All equipment supplied for use upstream of and including the choke manifold is to be rated to a minimum of 5000 psi WP unless otherwise specified. All equipment supplied for use downstream of the choke manifold upto separator is to be rated to minimum of 3000 psi WP and all the equipment supplied for downstream of separator shall be rated to a minimum of 1500 psi unless otherwise specified.	(i) All equipment supplied for use upstream of and including the choke manifold is to be rated to a minimum of 5000 psi WP unless otherwise specified. All equipment supplied for use downstream of the choke manifold upto separator is to be rated to minimum of 2000 psi WP and all the equipment supplied for downstream of separator shall be rated to a minimum of 1500 psi unless otherwise specified.
6.	Clause 1.7 of Annexure A, SoW; Page 14 of 23; Medium Pressure Piping	1.7 SAND DETECTOR SYSTEM: <ul style="list-style-type: none"> <li>• Should be installed upstream of the chokes on the choke manifold</li> <li>• Intrusive / strap on type working on erosion probe principle is acceptable.</li> <li>• Output should be a pressure signal with local gauge reading as well as data acquisition system readout and alarm.</li> </ul>	1.7 SAND DETECTOR SYSTEM: <ul style="list-style-type: none"> <li>• Should be installed upstream of the chokes on the choke manifold</li> <li>• Intrusive / strap on type working on erosion probe principle or Clamp on type based ultrasonic intelligent sensor with processor is acceptable.</li> <li>• Output signal shall in a local gauge reading as well as data acquisition system readout and alarm.</li> </ul>
7.	Clause A. (iv), (c) of SoR; Page 1 of 8; MOBILIZATION CHARGES TO FIRST WELL:	iv) Mobilization will be considered as completed only when: <ul style="list-style-type: none"> <li>c) All equipment are installed, commissioned and made operational to carry out activity assigned by the Company at well site.</li> </ul>	iv) Mobilization will be considered as completed only when: <ul style="list-style-type: none"> <li>c) All equipment are installed, commissioned and ready for operation to carry out activity assigned by the Company at well site.</li> </ul>
8.	Clause 5.0 of SCC; Page 6 of 14; DAMAGE OR LOSS OF SURFACE EQUIPMENT:	5.0 DAMAGE OR LOSS OF SURFACE EQUIPMENT: The Contractor shall at all times be solely responsible for any damage to or loss or destruction of the surface equipment and its other property, irrespective of how such loss, damage or destruction is caused, and even if caused by the negligence	5.0 A. DAMAGE OR LOSS OF SURFACE EQUIPMENT: The Contractor shall at all times be solely responsible for any damage to or loss or destruction of the surface equipment and its other property, irrespective of how such loss, damage or destruction is caused, and even if caused by the

		<p>of the Company and/ or its servants, agents, nominees, assignees, contractors and subcontractors; and the Contractor shall hold harmless and indemnify the Company from and against any expenses, loss or claim related to or resulting from such loss, damages or destruction. If the Contractor's items are declared to be total loss and/or construed to be total loss, as determined by the applicable insurance coverage, this Contract shall terminate for the occurrence of the event causing such loss and each party shall there upon be released of all further obligations here under in respect of this Contract, except for its payment of monies then due or liabilities to be charged in respect of the Work already done under this Contract.</p>	<p>negligence of the Company and/ or its servants, agents, nominees, assignees, contractors and subcontractors; and the Contractor shall hold harmless and indemnify the Company from and against any expenses, loss or claim related to or resulting from such loss, damages or destruction. If the Contractor's items are declared to be total loss and/or construed to be total loss, as determined by the applicable insurance coverage, this Contract shall terminate for the occurrence of the event causing such loss and each party shall there upon be released of all further obligations here under in respect of this Contract, except for its payment of monies then due or liabilities to be charged in respect of the Work already done under this Contract.</p> <p><b>B. LOSS OR DAMAGE OF SUB-SURFACE EQUIPMENT:</b> Notwithstanding any provision under this Contract to the contrary, Company shall assume liability except in the event of wilful misconduct / poor workmanship on the part of the Contractor for loss or damage to the Contractor's tool(s)/equipment in well downhole. Company shall at its option either reimburse the Contractor for the value of lost tool(s)/equipment as declared in the invoices at the time of mobilization or subsequent replacement/addition of the same tool(s)/equipment or CIF value whichever is lower for any such loss or damage, less depreciation @ 3% per month from the Effective date of the Contract up to a maximum depreciation equivalent to 50% of CIF value as indicated by the Contractor or at its option to replace similar tool(s)/equipment and any transportation expenses incurred in connection</p>
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			<p>herewith. All such cost shall be payable by Company only after Contractor furnishes notarized undertaking to the extent that the particular tool(s)/equipment in question is not covered by Contractor's insurance. For claims of lost tools Contractor must lodge provisional claim to the Company within one month of the declaration of loss tool by Company and final claim thereof must be made within six months of the incident or before expiry of the Contract, whichever is earlier. In case of damaged tool, the inspection of recovered tool(s)/equipment from downhole needs to be made by Company Representative before submission of the invoice by Contractor. The Contractor must intimate Company within 48 hours of recovering the damaged tool(s)/equipment and Company shall certify the damaged tools immediately upon receiving the intimation from the Contractor, so that replacement and claiming of damage tool can be done within the stipulated time. For claims of damaged tools, Contractor shall lodge provisional claim to the Company within one month of the certification by Company and final claim thereof must be made within six months of the incident or before expiry of the Contract, whichever is earlier.</p> <p>C. FISHING: In the event of any of the Contractor's Tool(s)/Equipment is/are lost/stuck in the well or at Site, then the Company shall, at its expenses, attempt to recover or retrieve the same, irrespective of cause. As and when the Company decides to fish for any of the Contractor's Tool(s)/Equipment, then the Company shall have full responsibility and</p>
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9.	Bid Closing date	13.01.2023	<b>03.02.2023</b>

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