

OIL INDIA LIMITED
RAJASTHAN FIELD
JODHPUR

AMENDMENT No. 14 Dated 19.03.2024
To TENDER No. GEM/2023/B/4272422

1.0 This amendment against Tender No. GEM/2023/B/4272422 is issued as under:

Sl. No.	Clause No.	Existing Tender Clause & Description	Amended Tender Clause & Description
1	Part 3 , Section II, Scope of Work Under The Contract, Under 4.0 CONTRACTOR'S SCOPE OF WORK FOR OIL'S CSS OPERATIONS: 4.6	To supply Fuel (LPG) for the boiler for the entire operation will be in contractor's scope.	To supply Fuel (LPG/HSD/LDO/CNG/LNG etc.) for the boiler for the entire operation will be in contractor's scope.
2	Part 3, Section III, Special Conditions of Contract (SCC), Under 3.0 FIRE FIGHTING AND SAFETY EQUIPMENT/SERV CES, clause no. 3.10	Contractor to arrange CCTV cameras at strategic locations (covering wellhead, boiler control, WTP, main gate, LPG system, etc.) for enhanced monitoring of the operations. Necessary arrangements shall be made/ provided by contractor to monitor the activities by OIL from Jodhpur Office also.	Contractor to arrange CCTV cameras at strategic locations (covering wellhead, boiler control, WTP, main gate, fuel system, etc.) with minimum backup of 15 days for enhanced monitoring of the operations. Necessary arrangements shall be made/ provided by contractor to monitor the activities by OIL from Jodhpur Office also.
2	Part 3 , Section II, Scope of Work Under The Contract, Under 4.0 CONTRACTOR'S SCOPE OF WORK FOR OIL'S CSS OPERATIONS, Under 4.14 HSE Requirement: 4.14.28	Hazop Study & QRA needs to be done by the contractor & report needs to be submitted before start/ commissioning.	Hazop Study & QRA needs to be done by authorized third party agencies & report needs to be submitted before start/ commissioning.
3	Part 3 , Section II, Scope of Work Under The Contract, Under 4.0 CONTRACTOR'S SCOPE OF WORK FOR OIL'S CSS OPERATIONS, Under 4.15 Special Notes: 4.15.1	The contractor shall provide a metering device to know and measure the exact quantity of steam being injected into the well.	The contractor shall provide vortex flow meter/orifice meter assembly with a Multi Variable Transmitter having built Flow computer to know and measure the exact quantity of steam being injected into the well.
4	Part 3 , Section II, Scope of Work Under The Contract, Under 4.0	The unit shall have facility of historical archiving of data with trends of multiple parameters of each cycle, and the same shall be shared to	The unit shall have facility of historical archiving of at least the following data available in HMI Panel for a period of at least 6 months, and the same shall be shared to OIL in OIL approved excel

	<p>CONTRACTOR'S SCOPE OF WORK FOR OIL'S CSS OPERATIONS, Under 4.15 Special Notes: 4.15.6</p>	<p>OIL in excel format and the same should be accessible.</p>	<p>format daily. The critical parameters for which instantaneous as wells historical archiving is required are listed below.</p> <ol style="list-style-type: none"> 1. Rate of steam generated from boiler (T/hr) 2. Rate of steam injected into well (T/hr) 3. Feed Water Flow Rate (T/hr) 4. Steam Pressure (kg/cm²) 5. Steam Temperature (kg/cm²) 6. Steam Conductivity (μS/cm) 7. Feed Water Conductivity (μS/cm) 8. Steam Dryness Fraction/Steam Quality 9. Out of Service Time of Boiler 10. Effective Steam Injection Time 11. Totaliser value of the points 1, 2, 3, 9 and 10 mentioned above. 12. Historical Trends of the above parameters <p>Apart from the parameters listed above, any other data (historical & instantaneous) recorded during the operation must be produced to OIL as and when required.</p>
5	<p>Under Part-3, SECTION-III, Special Conditions Of Contract (SCC), 3.11</p>	<p>The unit shall have facility of historical archiving of data with trends of multiple parameters of each cycle, and the same shall be shared to OIL in excel format and the same should be accessible.</p>	<p>The unit shall have facility of historical archiving of at least the following data available in HMI Panel for a period of at least 6 months, and the same shall be shared to OIL in OIL approved excel format daily. The critical parameters for which instantaneous as wells historical archiving is required are listed below.:</p> <ol style="list-style-type: none"> 1. Rate of steam generated from boiler (T/hr) 2. Rate of steam injected into well (T/hr) 3. Feed Water Flow Rate (T/hr) 4. Steam Pressure (kg/cm²) 5. Steam Temperature (kg/cm²) 6. Steam Conductivity (μS/cm) 7. Feed Water Conductivity (μS/cm) 8. Steam Dryness Fraction/Steam Quality 9. Out of Service Time of Boiler 10. Effective Steam Injection Time 11. Totaliser value of the points 1, 2, 3, 9 and 10 mentioned above. 12. Historical trends of the above parameters. <p>Apart from the parameters listed</p>

			above, any other data (historical & instantaneous) recorded during the operation must be produced to OIL as and when required.
6	Part 3 , Section II, Scope of Work Under The Contract, Under 6.0 BRIEF TECHNICAL SPECIFICATION OF EQUIPMENT under 6.1 CSS Set Up, 6.1.3	Steam injection line (IBR approved) of suitable Material, rating and insulation along with sampling point, flow meter before wellhead (after venting line joint, for proper and accurate measurement of steam injected into the well), pressure & temperature gauges and other requisite instruments. Expansion loops, supports and condensate traps at regular intervals shall be provided as per applicable standards and design. Swivel joints/ flexible hose of proper rating shall be provided in the steam lines to take care of lateral & vertical movement (up to 2.5m) of lines/wellhead during the CSS process. Proper system shall be there in place for prevention of movement of steam line in case of any pressure fluctuations to prevent any safety issues.	Steam injection line (IBR approved) of suitable Material, rating and insulation along with sampling point, flow meter before wellhead (after venting line joint, for proper and accurate measurement of steam injected into the well), pressure & temperature gauges and other requisite instruments. Expansion loops, supports and condensate traps at regular intervals shall be provided as per applicable standards and design. Swivel joints/ flexible hose of proper rating shall be provided in the steam lines to take care of vertical movement (up to 0.5m) of lines/wellhead during the CSS process. Proper system shall be there in place for prevention of movement of steam line in case of any pressure fluctuations to prevent any safety issues.
7	Part 3 , Section II, Scope of Work, under 4.0 CONTRACTOR'S SCOPE OF WORK FOR OIL'S CSS OPERATIONS, Clause 4.4	To supply - suitable mobile (trailer / wheel / skid mounted) feed water softening/ demineralization/ treatment Unit along with the boiler. The unit may be mobile (i.e., can be taken well to well with the main boiler unit) or may be placed at a fixed location. Supply of Raw Water is in OIL's Scope and will be provided from Water Reservoir at BGW-06. Transportation of water from the source (BGW-06 water reservoir) to the boiler shall be in scope of the contractor. Arrangements for lifting /	To supply - suitable mobile (trailer / wheel / skid mounted) feed water softening/ demineralization/ treatment Unit along with the boiler. The unit may be mobile (i.e., can be taken well to well with the main boiler unit) or may be placed at a fixed location. Supply of Raw Water is in OIL's Scope and will be provided from Water Reservoir at BGW-06. Transportation of water from the source (BGW-06 water reservoir) to the boiler shall be in scope of the contractor. Arrangements for lifting / drawing water from the BGW-06 water reservoir shall be in the scope of the contractor. The service provider shall make necessary arrangement for dewatering of the waste water pit/cellar pit during operations to prevent any overflow and ensure that the same is completely

		<p>drawing water from the BGW-06 water reservoir shall be in the scope of the contractor.</p> <p>The service provider shall make necessary arrangement for handling and transporting the rejected water from WTP, blowdown, bypass and any other rejection to any pit (within 8 KM aerial distance, approx.) as designated by OIL, as per OIL's discretion.</p>	<p>dewatered at the end of the injection phase irrespective of its condition at the start of operation. The average dimension of Waste Water Pit is 25m (Length)*25m (Breadth)*3m (Depth) and that of cellar pit is 1.8 m (Length)*1.8 m (Breadth)* 2.4 m (Depth).The waste water (Including but not limited to rejected water from WTP, blowdown, bypass) from the waste water pit/cellar pit/outlet of WTP shall be disposed off to any pit (within 8 KM aerial distance approx.) as designated by OIL, as per OIL's discretion.</p>
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2.0 The Bid Closing/Technical Bid Opening Date of the Tender is extended as:

Bid Closing Date & Time : 26.03.2024 at 15-00 hrs. (IST)

Technical Bid Opening Date & Time: 26.03.2024 at 15-30 hrs. (IST)

3.0 All other Terms & Conditions of the Bid Document remain unaltered.
