



ऑयल इंडिया लिमिटेड  
**OIL INDIA LIMITED**  
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**AMENDMENT NO. 1 DATED 18.03.2024**  
**TO**  
**TENDER NO. SDG5700P24/07 DATED 15.02.2024**

1.0 This Amendment no. 1 dated 18.03.2024 to tender no. SDG5700P24/07 dated 15.02.2024 is issued for the following amendment to the tender –

- (i) To amend the tender clauses as mentioned in **Annexure – I** (attached).
- (ii) To amend the Bid Closing Date as under -

Description	Existing Date & Time	Extended upto
Bid Closing Date & Time	20.03.2024 (at 11.00 Hrs. IST)	27.03.2024 (at 11.00 Hrs. IST)
Technical Bid Opening Date & Time	20.03.2024 (at 13.00 Hrs. IST)	27.03.2024 (at 13.00 Hrs. IST)

2.0 All other terms and conditions of the tender remain unchanged.

Sd/-

(M. B. SINGHA)  
CHIEF MANAGER MATERIALS (FD)  
FOR GENERAL MANAGER - MATERIALS (HoD)  
FOR RESIDENT CHIEF EXECUTIVE

## ANNEXURE - I

Clause No.	Existing Clause	Amended Clause
<b>AA. TECHNICAL SPECIFICATIONS</b>		
3.	<p>Downhole Cable (TEC)            Specification Requirement            Cable Design Type Metal Clad, Encapsulated            Cable Electrical Type Single Conductor            Cable Max. Pressure 10,000 psi            Cable &amp; Insulation Should hold its integrity on continuous exposure to 150°C            Conductor Core 18AWG or Higher Grade            Cable Armor Size Compatible to feed through tubing hanger &amp; wellhead outlet with ½" NPT ports            Cable Wall Thickness &gt; 0.028"            Cable Armor Material SS316L            Cable Crush Rating &gt; 10,000 lbs-f            Cable Breaking Tension 2,140 lbs            Cable Encap. Size 11 mm(min) Round or Square            Cable Encap. Material Polypropylene.</p>	<p>Downhole Cable (TEC)            Specification Requirement            Cable Design Type Metal Clad, Encapsulated            Cable Electrical Type Single Conductor  <b>Deleted</b>            Cable &amp; Insulation Should hold its integrity on continuous exposure to 150°C            Conductor Core 18AWG or Higher Grade            Cable Armor Size Compatible to feed through tubing hanger &amp; wellhead outlet with ½" NPT ports            Cable Wall Thickness &gt; 0.028"            Cable Armor Material SS316L            Cable Crush Rating &gt; 10,000 lbs-f            Cable Breaking Tension 2,140 lbs            Cable Encap. Size 11 mm(min) Round or Square            Cable Encap. Material Polypropylene.</p>
6.	<p>Wellhead Outlet &amp; Termination            Specification Requirement            Wellhead Outlet Termination            Outlet Working Pressure 10,000 psi            Outlet Working Temp. -20°C to 65°C            Outlet Wellhead Connection ½" NPT            Outlet Cable Compatibility Suitable for supplied TEC            Primary Barrier TEC Seal Metal-to-Metal            Secondary Barrier TEC Seal Glass Feed-Through            Pressure Test Diagnostic Pressure Testable            Outlet Electrical Certification IECEx certified            Hazardous Area Classification Class 1 Div 1            Outlet Ingress Certification IP66/68            Outlet Material Spec. SS316            Wellhead Outlet Junction Box            Hazardous Area Certification Zone 1            Hazardous/Class1 Div1            Outlet Ingress Certification IP66/68            Outlet Electrical Certification IECEx certified            Wellhead Outlet Cable Glands            Cable Gland Certification Zone 1            Hazardous/Class1 Div1</p>	<p>Wellhead Outlet &amp; Termination            Specification Requirement            Wellhead Outlet Termination            Outlet Working Pressure 10,000 psi            Outlet Working Temp. <b>0°C to 65°C</b>            Outlet Wellhead Connection ½" NPT            Outlet Cable Compatibility Suitable for supplied TEC            Primary Barrier TEC Seal Metal-to-Metal            Secondary Barrier TEC Seal Glass Feed-Through            Pressure Test Diagnostic Pressure Testable            Outlet Electrical Certification IECEx certified            Hazardous Area Classification Class 1 Div 1            Outlet Ingress Certification IP66/68            Outlet Material Spec. SS316            Wellhead Outlet Junction Box            Hazardous Area Certification Zone 1            Hazardous/Class1 Div1            Outlet Ingress Certification IP66/68            Outlet Electrical Certification IECEx certified            Wellhead Outlet Cable Glands            Cable Gland Certification Zone 1            Hazardous/Class1 Div1</p>

Clause No.	Existing Clause	Amended Clause
8.	<p>Surface Data Acquisition Unit Specification Requirement Downhole Gauge Interface Inclusive Monitoring Mode Real Time &amp; Historic Unit Expansion Capability Multi Well Capable Minimum Sample Rate 60 Seconds User Interface LCD with or without Touch Screen (Alpha-Numeric display configuration is not acceptable.) The LCD screens should have operational provision and data transfer capability to USB without the presence of a computer or laptop via buttons. Integration to existing System SCADA Compliant Communication Interface RS232/RS485 Communication Protocol MODBUS OPC RTU Data Storage Size 20 million Samples Download Local Data Xfer USB Port Temperature Rating -20°C to +65°C Enclosure Ingress Rating NEMA 4X/IP66 Cell Modem Required for Remote Data Access Yes Data to Client Desk/Mobile Required Yes Distance from Wellhead to DAQ (Meters) Min 30 m Hazardous Area Certification Zone 2 External Power Capable Primary: Solar Power Back-up: 230V AC/50 Hz Lightning Resistance Required</p>	<p>Surface Data Acquisition Unit Specification Requirement Downhole Gauge Interface Inclusive Monitoring Mode Real Time &amp; Historic Unit Expansion Capability Multi Well Capable Minimum Sample Rate 60 Seconds User Interface LCD with or without Touch Screen (Alpha-Numeric display configuration is not acceptable.) The LCD screens should have operational provision and data transfer capability to USB without the presence of a computer or laptop via buttons. Integration to existing System SCADA Compliant Communication Interface RS232/RS485 Communication Protocol MODBUS OPC RTU Data Storage Size 20 million Samples Download Local Data Xfer USB Port Temperature Rating <b>0°C to +65°C</b> Enclosure Ingress Rating NEMA 4X/IP66 Cell Modem Required for Remote Data Access Yes Data to Client Desk/Mobile Required Yes Distance from Wellhead to DAQ (Meters) Min 30 m <b>Deleted</b> External Power Capable Primary: Solar Power Back-up: 230V AC/50 Hz <b>Deleted</b></p>
<b>BB: SPECIAL NOTE TO BIDDERS</b>		
ak)	<p>Supply of Modem will be under the scope of the bidder and should be able to provide the result of Data to Desktop/Mobile.</p> <p>The bidder should quote necessary subscription charges for 5 years under the contract. Subscription charges per year should not exceed 1% of the total equipment cost (excluding I&amp;C charge). Bidder to quote the subscription charges separately. Renewal &amp; payment of subscription charges will be done annually as per requirement.</p>	<p>Supply of Modem will be under the scope of the bidder and should be able to provide the result of Data to Desktop/Mobile.</p> <p>The bidder should quote necessary subscription charges for 5 years under the contract <b>on cost-to-cost basis</b>. Subscription charges per year <b>should not exceed 3%</b> of the total equipment cost (excluding I&amp;C charge). Bidder to quote the subscription charges separately. Renewal &amp; payment of subscription charges will be done annually as per requirement.</p>