

**OIL INDIA LIMITED**  
(A Government of India Enterprise)  
P.O. Duliajan, Pin – 786602  
Dist-Dibrugarh, Assam

**CORRIGENDUM**

**Amendment No. 1 Dated 25.04.2016**  
**to**  
**Tender No. SDG0189P16/08**

This Amendment No. 1 dated 25.04.2016 to **Tender No. SDG0189P16/08 for Procurement of Instrumentation Test & Calibration Bench** is issued to notify few amendments in the Tender Document. The amendments are given in Annexure-A to this page. All other Terms & Conditions of the Tender Document remain unaltered.

**(D.Thakur)**  
**Chief Manager (Materials)(FD)**  
**For DGM-Materials**

**Annexure-A**

SI No	Page No	Point No.	Sub Point	Original Specification	Modified Specification		
1	19	4.21.3	4.15	Interface: IEEE, Ethernet, USB, RS-232	Interface : USB or RS-232		
2	20	4.21.4	5.15	Interface: IEEE-488.2 and RS-232	Interface : RS-232 or USB		
3	36	4.21.23	4.8	Interface: IEEE-488.2, Ethernet, USB, RS-232	Interface : USB or RS-232		
4	38	4.21.26	1	Item: Multiproduct calibrator for Test & calibration of various product like volt meters / ammeters / ohm meter / 6 <sup>1</sup> / <sub>2</sub> digit DMM/ Clamp meter / Temperature Data-loggers/Power meters(1Phase)/Power & Harmonic Analyzers/ /RLC meter etc	Item: Multiproduct calibrator for Test & calibrate minimum various product like volt meters, ammeters, ohm meter, 6 <sup>1</sup> / <sub>2</sub> digit DMM, Clamp meter, Temperature Data-loggers, Power meters (1Phase), Power Analyzers.		
			4.2	Voltage DC		Voltage DC	
				Accuracy:	30 ppm (minimum )	Accuracy:	15 ppm (minimum )
			4.6	Oscilloscope Calibration option		Oscilloscope Calibration option	
				Oscilloscope Calibration option to be provided		Oscilloscope Calibration option with duty cycle , bandwidth, 3db gain and amplitude to be provided	
			4.7	Resistance		Resistance	
Ranges: 0 to 1 GΩ		Ranges: 0 to 1 GΩ (Continuous mode up to 120 MΩ)					
4.8	Capacitance		Capacitance				
	Ranges: 1 nF to 10 uF		Ranges: 1 nF to 10 uF (Continuous mode)				
5	43	4.21.32	4.1	Test Bench Make: CRCA Sheet and Front Plates Made of Anodized Aluminium with Mimic panel for Test & Repair of Pneumatic Instruments	Test Bench Make: CRCA Sheet and Front Plates Made of Anodized Aluminium with Perforated Sheet in the front for keeping tools.		

SI No	Page No	Point No.	Sub Point	Original Specification	Modified Specification
6	44	4.21.33	4.5	Ingress Protection: IP 54	Removed
			6	<p><b>Accessories:</b>  Adaptors (Pressure rating 3000 bar)  1/4 "NPTM X 1/4 "NPTM -2 no.  1/2 "NPTM X 1/4 "NPTM – 2 no.  3/8" NPTM X 1/4 "NPTM – 2 no.  2" pipe male X 1/4"NPTM – 2 no.</p> <p>One meter 1/4 " hose of 3000 bar rated along with NRV(Non Return Valve)- 2 set</p> <p>Suitable connect of 3000 bar rated in Comparator side to connect the hose- 2 no.</p>	<p>Adaptors (Pressure rating 1000 bar) 1/4  1/2 "NPTM X 1/4 "NPTM -2 no. 1/2 "NPTM X 1/4 "NPTM – 2 no.  3/8" NPTM X 1/4 "NPTM – 2 no. 2" pipe male X 1/4"NPTM – 2 no.</p> <p>Cone Joint Adaptors (Pressure rating 2000 bar)  1/4 " -2 no. 1/2 " – 2 no. 3/8" – 2 no.</p> <p>One meter 1/4 " hose of 1000 bar rated along with NRV(Non Return Valve)- 2 set</p> <p>One meter 1/4 " hose of 2000 bar rated along with NRV(Non Return Valve)- 2 set</p> <p>Suitable connect of 1000 bar rated in Comparator side to connect the hose- 2 no.</p> <p>Suitable connect of 2000 bar rated in Comparator side to connect the hose- 2 no.</p>
7	45	4.21.34	4.1	Elastic deformation Uncertainty: 0.006 % of reading or better	Elastic deformation Uncertainty: 0.006 % of reading or better. (Bidders need to confirm the same during bid that the value will be available in the calibration certificate)

<b>SI No</b>	<b>Page No</b>	<b>Point No.</b>	<b>Sub Point</b>	<b>Original Specification</b>	<b>Modified Specification</b>
8	46	4.21.35	4.1	Elastic deformation Uncertainty: 0.006 % of reading or better	Elastic deformation Uncertainty: 0.006 % of reading or better. (Bidders need to confirm the same during bid that the value will be available in the calibration certificate)
			4.2	Priming Pump: To be provided	Pump: To be provided
9	47	4.21.36	4.1	Elastic deformation Uncertainty: 0.006 % of reading or better	Elastic deformation Uncertainty: 0.006 % of reading or better. (Bidders need to confirm the same during bid that the value will be available in the calibration certificate)
			4.2	Priming Pump: To be provided	Pump: To be provided

<b>Annexure:8-1</b>					
<b>Sl No</b>	<b>Page No</b>	<b>Sub Point</b>	<b>Item</b>	<b>Original Makes</b>	<b>Modified Makes</b>
10	68	11	Digital Pneumatic Test Gauge Range ( 0 to 100 bar) as per TS	Wika, Scandura GE(Druck), Crystal	Wika, Scandura GE(Druck), Crystal ,Time Electronics, Fluke
		12	Digital Hydraulic Test Gauge : Range ( 0 to 700 bar) as per TS	Wika,Scandura GE(Druck), Crystal	Wika,Scandura GE(Druck), Crystal, Time Electronics, Fluke
		15	Bench Mounted Temperature Calibration Bath (Ambient to 300°C) with trolley	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Isotech
	69	16	Bench Mounted Dry Block Temperature Calibrator ( Upto to 650°C)	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Isotech
		18	Reference SPRT	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Practical Instrument Electronics Inc, Advanced Sensing Products, TMS Europe Ltd	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Practical Instrument Electronics Inc, Advanced Sensing Products, TMS Europe Ltd, Isotech
		19	Bend Type Secondary PRT	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Practical Instrument Electronics Inc, Advanced Sensing Products, TMS Europe Ltd	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Practical Instrument Electronics Inc, Advanced Sensing Products, TMS Europe Ltd, Isotech
		20	Panel mounted type Temperature 10 channel Data logger for RTD & T/C's	Fluke, Omega, YIL	Fluke, Omega, YIL, Isotech
		34	Temperature Calibration Software licensed Version	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics	Beamex, Fluke, GE(Druck), Wika/Scandura, YIL, Time Electronics, Isotech

Tentative Schematic of the Test Bench with Room Size

