

Laboratory

Gail (India) Limited, Hazira Meter Prover Facility, Hazira Compressor Station, Ichhapore-Magdalla Road, P.O. ONGC, Dist. Surat, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2492

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Validity

22.06.2018 to 21.06.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>FLUID FLOW CALIBRATION</u></b>				
<b>I.</b>	<b>FLOW MEASURING DEVICES</b>			
1.	Natural Gas Flow <sup>s</sup>	>10 m <sup>3</sup> /hr to 20 m <sup>3</sup> /hr	0.44 %	Using Calibration Loop Consist of Master Meters Turbine with Associate Pressure and Temperature Transducers & Gas Chromatograph by Comparison Method
		>20 m <sup>3</sup> /hr to 260 m <sup>3</sup> /hr	0.26 %	
		>260 m <sup>3</sup> /hr to 800 m <sup>3</sup> /hr	0.23 %	
		>800 m <sup>3</sup> /hr to 6500 m <sup>3</sup> /hr	0.27 %	
		>6500 m <sup>3</sup> /hr to 19000 m <sup>3</sup> /hr	0.27 %	

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Ram Ashray  
Convenor

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Avijit Das  
Program Manager

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<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I.</b>	<b>PRESSURE INDICATING DEVICES</b>			
<b>1.</b>	Pressure Hydraulic Dial and Digital Pressure Gauges, Pressure Transmitters <sup>s</sup>	1 kg/cm <sup>2</sup> to 12 kg/cm <sup>2</sup>	0.083% Rdg	Hydraulic Dead weight Tester By direct method
		12 kg/cm <sup>2</sup> to 120 kg/cm <sup>2</sup>	0.012% Rdg	

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<b><u>THERMAL CALIBRATION</u></b>				
<b>I.</b>	<b>TEMPERATURE</b>			
1.	All Types of Temperature Sensors with and without Indicator, Analog Temperature Gauges <sup>§</sup>	(-) 27 °C to 140 °C	0.06 °C	Using PRT Sensor with Digital Indicator & Dry Well Bath By Comparison Method

\* Measurement Capability is expressed as an uncertainty ( $\pm$ ) at a confidence probability of 95%

<sup>§</sup>Only in Permanent Laboratory

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