

<b>Laboratory</b>	<b>Central Instrumentation Laboratory, Essar Steel India Ltd., 27 km Surat Hazira Road, Hazira, Surat, Gujarat</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Calibration</b>	<b>Issue Date</b>	<b>22.09.2016</b>
<b>Certificate Number</b>	<b>C-0660</b>	<b>Valid Until</b>	<b>21.09.2018</b>
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. PRESSURE INDICATING DEVICES</b>			
<b>1. PNEUMATIC PRESSURE<sup>#</sup> (Digital/Analogue Gauge, Pressure Transmitter &amp; Transducer/Multi-Function Calibrator)</b>	10 kPa to 2000 kPa	1.6 kPa	Using Multifunction Calibrator by Direct/comparison Method as per DKD-R 6-1
<b>2. HYDRAULIC PRESSURE<sup>\$</sup> (Digital Pressure Gauge, Pressure Transmitter &amp; Transducer Analog/Digital Pressure Gauge)</b>	610 kPa to 6000 kPa 6000 kPa to 70000 kPa	0.035% of rdg 0.058% of rdg	Using Dead Weight Tester by Direct/comparison Method as per DKD-R 6-1
<b>3. HYDRAULIC PRESSURE<sup>#</sup> (Digital Pressure Gauge, Pressure Transmitter &amp; Transducer Analog/Digital Pressure Gauge)</b>	700 kPa to 16000 kPa	0.15% of rdg	Using Multifunction Calibrator by Direct/comparison Method as per DKD-R 6-1

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

<sup>\$</sup> Only in Permanent Laboratory

<sup>#</sup> The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

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