Laboratory	**Calibration Lab-NTSC, NSIC-Technical Services Centre, The National Small Industries Corporation Limited, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai, Tamil Nadu**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Electro-Technical Calibration**	**Issue Date**	**25.04.2014**
Certificate Number	**C-0601**	**Valid Until**	**24.04.2016**
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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
SOURCE#				
1.	**DC VOLTAGE**	10 mV to 300 mV 300 mV to 10 V	0.50% to 0.05% 0.05% to 0.08%	Using Calibrator by Direct Method
2.	**DC CURRENT**	1 mA to 20mA	0.70% to 0.05%	Using Calibrator by Direct Method
3.	**RESISTANCE**	10 Ω to 400 Ω	0.50% to 0.06%	Using Calibrator by Direct Method
4.	**TEMPERATURE SIMULATION (Indicator/ Controller/ Recorders)**			
	Thermocouples J & S Type	-100ºC to 1500ºC	1.00ºC to 1.50ºC	Using Calibrator Microcal 200 by Direct Method
	RTD (PT-100)	-100ºC to 800ºC	0.21°C to 0.50ºC	
MEASURE#				
5.	**DC VOLTAGE**	10 mV to 300 mV 300 mV to 10 V 10 V to 20 V	0.50% to 0.03% 0.03% to 0.10% 0.10% to 0.50%	Using DMM 5 ½ digit & Microcal 200 by Direct Method
6.	**DC CURRENT**	1 mA to 20 mA	0.60% to 0.10%	Using DMM 5 ½ digit & Microcal 200 by Direct Method
7.	**RESISTANCE**	10 Ω to 400 Ω 400 Ω to 4.5 kΩ	0.20% to 0.15% 0.15% to 0.20%	Using DMM 5 ½ digit & Microcal 200 by Direct Method

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
8. TEMPERATURE SIMULATION (Indicator/ Controller/ Recorders)			
Thermocouples			
J& S Type	-100ºC to 1500ºC	1.00ºC to 1.50ºC	Using DMM 5 ½ digit & Microcal 200
RTD (PT-100)	-100 ºC to 800ºC	0.21ºC to 0.84ºC	by Direct Method

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

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