

**Laboratory** CESC Testing Laboratory, Testing Department, CESC Limited, 4,  
Sashi Sekhar Bose Row, Kolkata, West Bengal

**Accreditation Standard** ISO/IEC 17025: 2017

**Certificate Number** TC-8026

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**Validity** 13.09.2019 to 03.10.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**ELECTRICAL TESTING**

I.	<b>MEASURING INSTRUMENTS</b>			
1.	<b>Energy Meter Class 0.5, 1, 2, 0.2S, 0.5S &amp; 1S</b>	Repeatability of Error (Both Active & Reactive)	IS 13779 IS 14697	1 mA to 120 A
		Insulation Resistance	IS 13010	1 MΩ to 100 MΩ
		Limits of Error (Both Active & Reactive)	CBIP-325	1 mA to 120 A
		Meter Constant (Both Active & Reactive)		1 mA to 120 A
		No Load Condition		45 V to 320 V
		Power Consumption Current Circuit		1 mA to 120 A
		Power Consumption Voltage Circuit		45 V to 320 V
		Starting Condition		1 mA to 120 A
II.	<b>TRANSFORMERS AND REACTORS</b>			
1.	<b>Current Transformer Class 0.2,0.5, 1, Upto 2000A</b>	Phase Error	IS 2705 (Part 1 & 2)	1.5 min to 360 min
		Polarity	IS 16227 (Part 1 & 2)	Qualitative
		Ratio Error		0.2 % to 1 %
2.	<b>Voltage Transformer Class 0.2,0.5,1.0 &amp; 3 Upto 33 kV</b>	Phase Error	IS 16227 (Part 1)	2 min to 360 min
		Polarity	IS 16227 (Part 3)	Qualitative
		Ratio Error		0.05 % to 10 %