

Laboratory High Tension Laboratory, Electrical Engineering Department,
Jadavpur University (JU), 188, Raja S.C. Mallik Road, Jadavpur,
Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6095

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Validity 16.06.2018 to 15.06.2020

Last Amended on 29.06.2018

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. TRANSFORMERS AND REACTORS				
1.	Distribution Transformer (Oil filled and Dry Type) (Upto 33 kV, 10 MVA)	Lightning impulse voltage withstand	IS 2026 (Part 1): 2011 (RA 2017) CI 10.1.2.b IS 2026 (Part 3): 2009 CI 13 & CI 14 IS 1180 (Part 1): 2014 CI 21.3a IS 11171:1985 CI 16	Upto 300 kV _p
2.	Current Transformer (Upto 33 kV)	Lightning impulse voltage withstand	IS 2705 (Part 1): 1992 (RA 2017) CI 9.8 & 9.10	Upto 300 kV _p
3.	Potential Transformer (Upto 33 kV)	Lightning impulse voltage withstand	IS 16227 (Part 1): 2016 IEC 61869-1:2007 & IS 16227 (Part 3): 2015 IEC 61869-3:2011 CI 7.2.3.2.1	Upto 300 kV _p
II. TRANSMISSION LINE EQUIPMENT AND ACCESSORIES				
1.	Porcelain Insulator (Pin, Disc)	Impulse Voltage withstand	IS 731:1971 (RA 2016) CI 10.3	Upto 300kV _p
		Visible discharge	IS 731:1971 (RA 2016) CI 10.2	Upto 150 kVrms
2.	Porcelain Insulator (Post)	Impulse Voltage withstand	IS 2544:1973 (RA 2016) CI 9.3	Upto 300kV _p
		Power frequency voltage dry withstand	IS 2544:1973 (RA 2016) CI 9.4	Upto 150 kVrms

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3.	Isolator, Air break and Earthing Switches	Lightning Impulse Voltage	IS/IEC 62271-102:2003 IS/IEC 62271-103:2011 IS/IEC 62271-104:2009 CI 6.2.6.2	Upto 300kV _p
		Power Frequency Voltage	IS/IEC 62271-102:2003 CI 6.2.5	Upto 150 kVrms