National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL POWER RESEARCH INSTITUTE, REGIONAL TESTING LABORATORY, FIRST FLOOR, CTD WORKSHOP, ABHIKSHAN CAMPUS, BN BLOCK, SECTOR V, SALT LAKE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11391 **Page No** 1 of 2

Validity 16/02/2023 to 15/02/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- LUBRICANTS	Transformer oil	Density	IS 1448(Part 16):2014 (RA 2019); ISO 3675:1998
2	CHEMICAL- LUBRICANTS	Transformer oil	Dielectric Dissipation Factor	IS 6103:1971(RA 2016) / IEC 60247: 2004
3	CHEMICAL- LUBRICANTS	Transformer oil	Dissolve Gas Analysis- Methane	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
4	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Hydrogen	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
5	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Acetylene	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
6	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Carbon dioxide	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
7	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Carbon monoxide	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
8	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Ethane	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
9	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Ethylene	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
10	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Nitrogen	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
11	CHEMICAL- LUBRICANTS	Transformer oil	Dissolved Gas Analysis-Oxygen	IS 9434:2019; IEC 60567:2011 / IS 10593:2018; IEC 60599:2015
12	CHEMICAL- LUBRICANTS	Transformer oil	Electric Strength	IS 6792:2017; IEC 60156:1995
13	CHEMICAL- LUBRICANTS	Transformer oil	Flash point	IS1448 (Part 21):2019; ISO 2719:2016
14	CHEMICAL- LUBRICANTS	Transformer oil	Furan Analysis-2-Acetylfuran (2ACF)	IS 15668:2006 (RA 2021); IEC 61198:1993
15	CHEMICAL- LUBRICANTS	Transformer oil	Furan Analysis-2-Fufural (2FAL)	IS 15668:2006 (RA 2021); IEC 61198:1993

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16	CHEMICAL- LUBRICANTS	Transformer oil	Furan Analysis-2-Furfuryl Alcohol (2FOL)	IS 15668:2006 (RA 2021); IEC 61198:1993
17	CHEMICAL- LUBRICANTS	Transformer oil	Furan Analysis-5-Methyl-2-Fufural (5MEF)	IS 15668:2006 (RA 2021); IEC 61198:1993
18	CHEMICAL- LUBRICANTS	Transformer oil	Interfacial Tension	IS 6104:1971 (RA 2016) / ASTM D971:2012
19	CHEMICAL- LUBRICANTS	Transformer oil	Neutralization Value	IS 1448 (Part 2):2007(RA 2018); ISO 6619:1988 / IEC 62021-2:2007
20	CHEMICAL- LUBRICANTS	Transformer oil	Sediment & Sludge	IS 1866,Annex C:2017; IEC 60422, Annex C:2013
21	CHEMICAL- LUBRICANTS	Transformer oil	Specific Resistance	IS 6103:1971(RA 2016) / IEC 60247: 2004
22	CHEMICAL- LUBRICANTS	Transformer oil	Water Content	IS 13567:2018; IEC 60814:1997
23	CHEMICAL- LUBRICANTS	Transformer oil - Oxidation Stability	Neutralization Value	IS 12422:2017; IEC 61125:1992 / IS 1448(Part 2):2007 (RA 2018); ISO 6619:1988 / IEC 62021-2:2007
24	CHEMICAL- LUBRICANTS	Transformer oil-Oxidation Stability	Dielectric Dissipation Factor	IS 12422:2017; IEC 61125:1992 / IS 6103:1971(RA 2016) / IEC 60247:2004
25	CHEMICAL- LUBRICANTS	Transformer oil-Oxidation Stability	Sediment & Sludge	IS 12422:2017; IEC 61125:1992 / IS 1866:2017, Annex C; IEC 60422,Annex C:2013