



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

CENTRAL COAL AND OIL TESTING LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

MAHAGENCO, EXPANSION SERVICE BUILDING, KORADI, NAGPUR, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-5380

Issue Date: 09/03/2022

Valid Until:

08/03/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity: MAHARASHTRA STATE POWER GENERATION CO

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL COAL AND OIL TESTING LABORATORY, MAHAGENCO, EXPANSION SERVICE BUILDING, KORADI, NAGPUR, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5380	Page No	1 of 2
Validity	09/03/2022 to 08/03/2024	Last Amended on	03/04/2022

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- SOLID FUELS	COAL	ASH	IS 1350 (Part 1) / ASTM D7582-15
2	CHEMICAL- SOLID FUELS	COAL	GROSS CALORIFIC VALUE (GCV)	IS 1350 (Part 2)/ ASTM D5865-19
3	CHEMICAL- SOLID FUELS	COAL	MOISTURE (Inherent Moisture derived at 108 Deg C)	IS 1350 (Part 1) / ASTM D 7582-15
4	CHEMICAL- SOLID FUELS	COAL	SULPHUR	IS 1350 (Part 3)/ ASTM D4239
5	CHEMICAL- SOLID FUELS	coal	VOLATILE MATTER	IS 1350 (Part 1) / ASTM D7582-15
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Break Down Voltage	IS 6792 (By Flash Over Principle)
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dielectric Dissipation Factor (Tan Delta)	IS 6262 (Ratio Arm Bridge Principle)
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis (DGA)- C2H4	ASTM D3612-02 (Gas Chromatography)
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis (DGA)- C2H6	ASTM D3612-02 (Gas Chromatography)
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis (DGA)- CH4	ASTM D3612-02 (Gas Chromatography)
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis (DGA)- CO	ASTM D 3612-02 (Gas Chromatography)
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis (DGA)- CO2	ASTM D 3612-02 (Gas Chromatography)
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis (DGA)- H2	ASTM D3612-02 (Gas Chromatography)
14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis(DGA)- C2H2	ASTM D 3612-02 (Gas Chromatography)
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Flash Point	ASTM D93-20 (Pensky Martens Cup Tester)



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16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Neutralization value	IS 1448 (Part-2) (Potentiometric principle)
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Specific Resistance (Resistivity)	IS 6103 (Ratio Arm Bridge Principle)
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Water content	IS 13567 (Karl Fischer Method)