



परीक्षण रिपोर्ट TEST REPORT

केन्द्रीय विद्युत अनुसंधान संस्थान

(विद्युत मंत्रालय, भारत सरकार के अधीन एक स्वायत्त सोसायटी)

CENTRAL POWER RESEARCH INSTITUTE

(An Autonomous Society under Ministry of Power, Govt. of India)

एस टी एल के सदस्य

Member of STL

स्विचगियर परीक्षण तथा विकास केन्द्र

SWITCHGEAR TESTING & DEVELOPMENT STATION

गोविन्दपुरा, भोपाल - 462023

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सी पी आर आई
भारत

**CPRI
INDIA**

परीक्षण रिपोर्ट
TEST REPORT



CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



CPRI

Test Report Number : CPRIBPLSTNBMISC22T0166 Date: 27 July 2022

Name and Address of the Customer : Saumya Infratech
House No. 5280/3, Near Samridhi Vihar
Amlidih, Raipur (C.G.) - 492006

Name and Address of the Manufacturer : Saumya Infratech
House No. 5280/3, Near Samridhi Vihar
Amlidih, Raipur (C.G.) - 492006

Particulars of Sample Tested : Saumya Earthing Electrode
Condition of sample(s) on receipt : New
Type : -

Description of test sample : Refer sheet 2 of 6

Serial Number : Nil

Number of Samples Tested : One

Date(s) of Test(s) : 19 May 2022

CPRI Sample code Number(s) : STNBMISC22S0476

Details of sealing(s) of sample(s) : Nil

Particulars of test(s) conducted : Short Time Current Test

Test(s) in accordance with : As per customer's requirement.

Standard/Specification : Nil
Sampling Plan

Customer's Requirement : Short time current test to be conducted.

Deviations, if any : Short time current test was conducted.

Name of the witnessing persons :
Customer's representative : Mr. Satish Kashyap & Mr. Amit Pitroda

Other than Customer's representatives : Nil

Test subcontracted with and address of the laboratory : Nil

Documents constituting this report (in words)

Number of Sheets : Six

Number of Oscillogram(s) : One

Number of Graph(s) : Nil

Number of Photograph(s) : One

Number of Test Circuit Diagram(s) : One

Number of Drawing(s) : One

(Prabakaran T)
Test Engineer



(Sumbul Munshi)
Head of Division
Reviewed and Authorized by

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

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DESCRIPTION OF SAMPLE TESTED (As assigned by the manufacturer)

Test Sample : Saumya Earthing Electrode
Type : -
Designation : Pre Casted Saumya Earthing Electrode
Serial number : Nil

Voltages
Rated Voltage (U_n) in V : NA
Rated Insulation Voltage (U_i) in V : NA
Rated impulse withstand voltage (U_{imp}) in kV : NA

Currents
Rated Current (I_{nA}) in A : Nil
Rated current of a main outgoing circuit (I_{nc}) in A : NA
Rated conditional short-circuit current (I_{cc}) in kA : NA
Rated short-time withstand current (I_{cw}) in kA : 20 kArms for 1.0 second with initial peak of 40 kApk

Rated frequency (f_n) in hz : 50
Degree of protection : Nil
Electrode Profile : Length : 3 meter
Coating : -
Extendable : NA

NA : Not Applicable


(Prabakaran T)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

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SUMMARY OF TESTS CONDUCTED

1. Tests conducted : Short time current test
2. Rating for which tested : 20 kArms for 1.0 second with initial peak of 40 kApk
3. Schedule of tests

Test conducted	Clause Numbers	Sheet
Short Time Current Test	As per customer's requirement	5 of 6

4. Oscillogram Numbers : CPRI BPLSTNBMISC22T0166S002
5. Graph Numbers : Nil
6. Photograph Numbers : CPRI BPLSTNBMISC22T0166P01
7. Test Circuit Diagram Numbers : OLTS/TCD-STC-06
8. Drawing Numbers : Refer sheet 4 of 6


(Prabakaran T)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

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LIST OF DRAWINGS

Drawing Numbers

The manufacturer has guaranteed that the sample submitted for the test(s) has been manufactured in accordance with the following drawings:

Sl. No.	Drawing Number	Sheet Number	Revision Number
1.	SEE/01	-	02

It is verified that these drawings adequately represent the sample tested. Verification of this drawing by CPRI is limited to dimensional check only wherever possible.

(Prabakaran T)
Test Engineer

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TEST REPORT

Test Report Number : CPRI BPLSTNBMISC22T0166 Date: 27 July 2022



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NOTE

- a) The Test results relate only to the sample(s) tested.
- b) Publication or reproduction of this Test Report /Test Certificate in any form other than by complete set of the whole Test Report /Test Certificate and in the language written is not permitted without the written consent of CPRI.
- c) Any Corrections/erasure invalidates the Test Report/Test Certificate
- d) Any anomaly/discrepancy in the Test Report / Test Certificate should be brought to the notice of CPRI within 45 days from the date of issue.
- e) All documents constituting the Test Report/Test Certificate are stitched together with a continuous silk thread/silk ribbon, the two ends of which have been brought over the front sheet of the Test Report/Test Certificate and sealed with a CPRI logo printer paper sticker/embossed


(Prabakaran T)
Test Engineer

-----End of Test Report-----

के.वि.अ.सं. द्वारा रेखाचित्र का सत्यापन
जहाँ तक भी संभव हो।

**THE VERIFICATION OF
NON-TERMINATING
CYCLES IN
FINITE-DIMENSIONAL
SYSTEMS IS LIMITED TO
A SINGLE CYCLE WHENEVER POSSIBLE**

याह रेखा चित्र सीपीआरआई के परीक्षण प्रतिपेदन क्र. दिनांक से संबंधित है।

THIS DRAWING PERTAINS TO CPRI TEST REPORT

U. No. CPRIBPLSTNB MIS. 2270166

दिनांक/Dated :

DRAWN

BY:

परीक्षण इंजीनियर / Test Engineer

VIVEK GHRIHLAHARE
(ELECTRICAL CONSULTANT)

Dra. No.- SEE/01

REV. 02

DWG
TITLE:

LE:
SAUMYA EARTHING ELECTRODE
3 MTR. 70MM DIA.

M/s. Saumya Infratech,

H. No. $\frac{5280}{3}$, Near Samiddhi Vihar, Amlindih,

Raipur C.G. 492006

PH. NO. 7999794632

DRAWN

BY:

परीक्षण इंजीनियर / Test Engineer

VIVEK GHRIHLAHARE
(ELECTRICAL CONSULTANT)

Dra. No.- SEE/01

REV. 02

DWG
TITLE:

LE:
SAUMYA EARTHING ELECTRODE
3 MTR. 70MM DIA.

Note: All the dimension of electrode are in mm and subjected to manufacturing tolerance as per I.S.

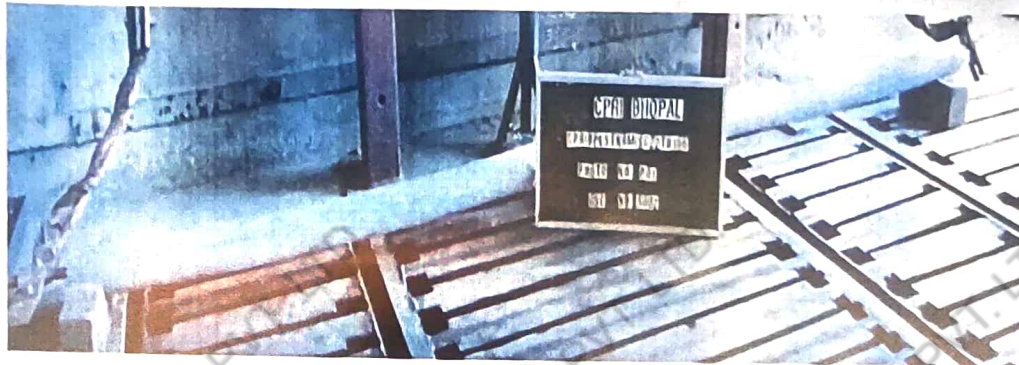
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TEST REPORT

Test Report Number : CPRI BPLSTNBMISC22T0166

TEST RESULTS



Photograph Number : CPRI BPLSTNBMISC22T0166P01


Test Engineer

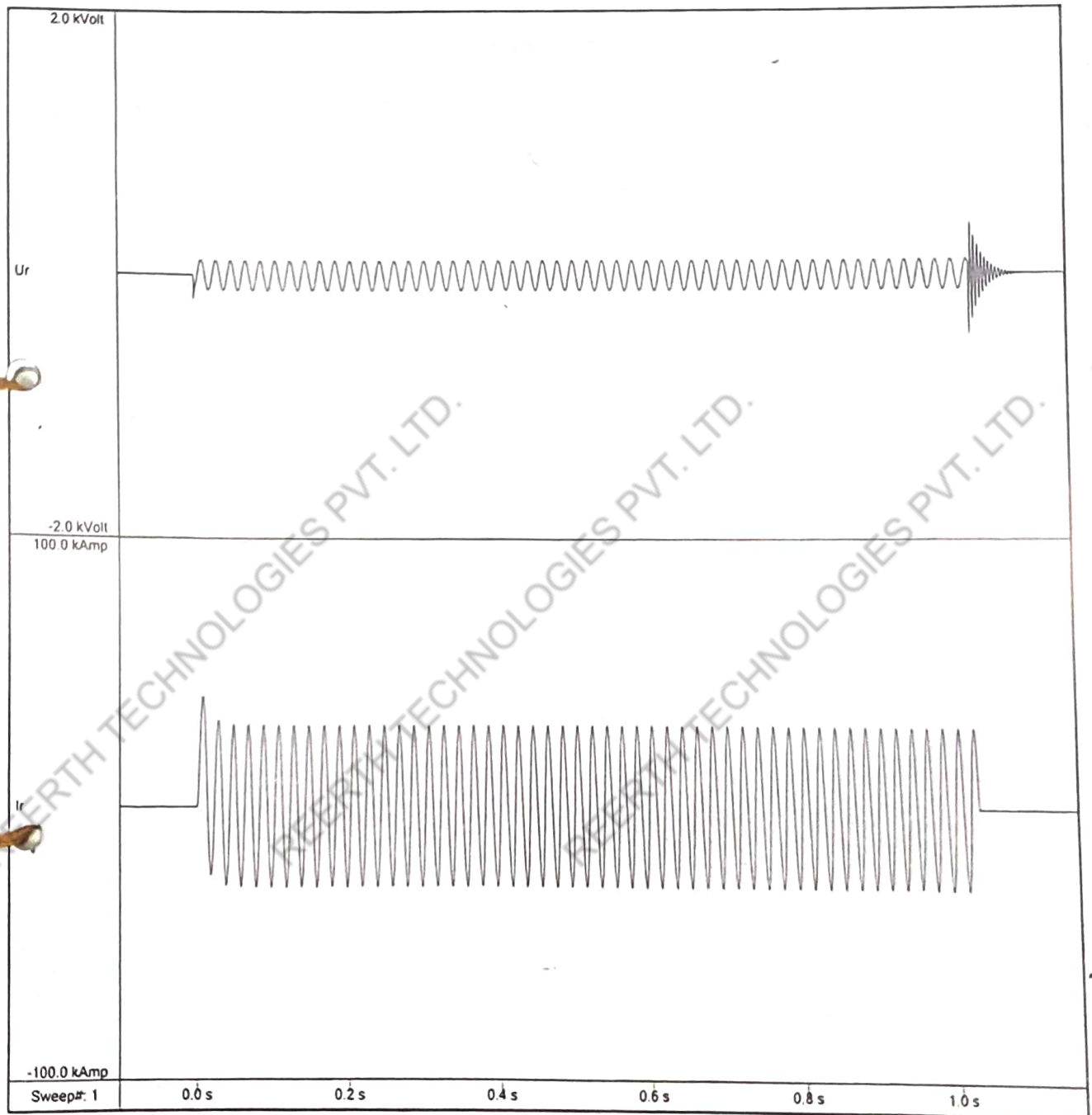
Switchgear Testing & Development Station
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Test Report Number: CPRIBPLSTNBMISC22T0166

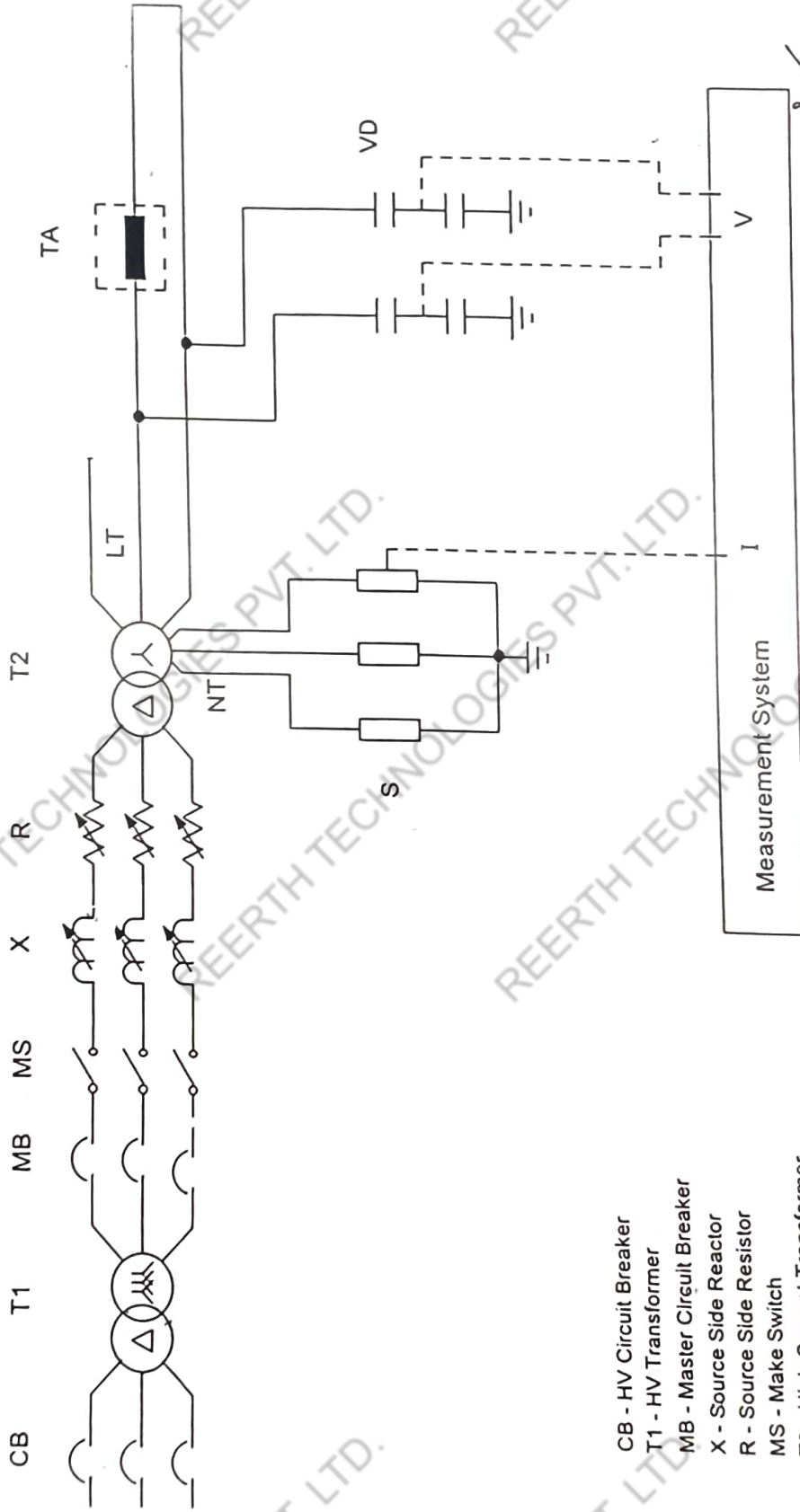
TEST RESULTS



Oscillogram Number : CPRIBPLSTNBMISC22T0166S002

Test Engineer

CPRI Bhopal



TEST ENGINEER

OLTS/TCD-STC-06

- CB - HV Circuit Breaker
- T1 - HV Transformer
- MB - Master Circuit Breaker
- X - Source Side Reactor
- R - Source Side Resistor
- MS - Make Switch
- T2 - High Current Transformer
- VD - RC Voltage Divider
- S - Shunt
- TA - Test Apparatus
- LT - Line terminals of the secondary windings of T2
- NT - Neutral terminals of the secondary windings of T2