



परीक्षण रिपोर्ट TEST REPORT

केन्द्रीय विद्युत अनुसंधान संस्थान

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

CENTRAL POWER RESEARCH INSTITUTE

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

एस टी एल के सदस्य

Member of STL

स्विचगियर परीक्षण तथा विकास केन्द्र

SWITCHGEAR TESTING & DEVELOPMENT STATION

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TEST REPORT

Date :

CPRI

7 JUN 2017

Test Report Number	S2170411
Name & address of the Customer	M/s U-Protec Earthing Pvt. Ltd., Sr. No. 168, Off No. 1, Dhanashree Apts, Kasba Peth, Pune – 11
Name & address of the Manufacturer	M/s U-Protec Earthing Pvt. Ltd., Sr. No. 168, Off No. 1, Dhanashree Apts, Kasba Peth, Pune – 11
Particulars of sample tested Condition of sample on Receipt	Earthing Electrode. New
Type	GI-GI
Designation	M.P.A.S.M.
Serial number	001/2017
Date(s) of Test(s)	14 th March, 2017
CPRI sample code no.	STDSST217S0360
Particulars of tests conducted Test in accordance with Standard/specification	Short time current test As per customer's requirement
Sampling plan	Not applicable
Customer's requirement	STC test at 20kA for one second with initial peak of 50kA to be conducted
Deviations if any	Nil
Name of the Witnessing persons	
Customer's representative	Shri Sanket Tote, Shri Sanjay Mahale
Other than customer's representatives	Nil
Test subcontracted with address of the laboratory	None
Documents constituting this report (in words)	
Number of sheets	Five
Number of oscillograms	One
Number of graphs	Nil
Number of photos	One
Number of Test circuit diagrams	One
Number of drawings	One


(SAUMITRA PATHAK)
TEST ENGINEER




(B. M. MEHRA)
ADDITIONAL DIRECTOR

Sheet 1 of 5

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TEST REPORT

Test Report Number S2170411

Date :

7 JUN 2017

Summary of test

Test conducted	Short time current test
Rating for which tested	20 kArms for one second with initial peak of 50 kApk
Documents constituting this report:	
Supplementary test report	Nil
Oscillogram numbers	S2170411.S02
Photograph numbers	P-1
Test circuit drawing numbers	OLTS/TCD-STC-06
Drawing numbers	UP/1617/03/1/4 Rev 0 1


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Sheet 2 of 5

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CPRI

TEST REPORT

Test Report Number S2170411

Date :

Ratings assigned by manufacturer

7 JUN 2017

Particulars of sample tested	Earthing Electrode
Type	GI-GI
Designation	M.P.A.S.M.
Serial number	001/2017
Rated voltage	Nil
Rated Current	Nil
Frequency	50 Hz
Rated Insulation Voltage	Nil
Number of phases	Single
Rated short time current	20 kArms for one second with initial peak of 50 kApk


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Sheet 3 of 5

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TEST REPORT

Test Report Number: S2170411

Date :

Short-time current test

7 JUN 2017

Test conditions :

Condition of the sample before test : New
No. of poles : Single
Source frequency : 50 Hz.
Transformer - neutral & short circuit point : See test circuit diagram no. OLTS/TCD-STC-06

Test results:

Oscillogram Number	Peak in kA	Short time current in kArms	Duration (second)	Equivalent current in kArms for 1.0 second
S2170411.S02	51.30	20.50	1.0	20.50

Observations:

During test : No abnormality
After test : No abnormality. Earthing Electrode found intact.

Conclusion : The test results indicate that the sample tested complies with the requirement of the customer.


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TEST REPORT

Test Report Number S2170411

Date :

7 JUN 2017

Note

- a) The test results relate only to the item(s) tested.
- b) Publication or reproduction of this test report/ certificate in any form other than by complete set of the whole report and in the language written, is not permitted without the written consent of CPRI.
- c) Any correction/erasure invalidates this test report/certificate.
- d) The verification of the sample drawings by CPRI is limited to dimensional checks only wherever possible.
- e) Any anomaly/discrepancy in the test report/Certificate should be brought to the notice of CPRI within 45 days from the date of issue.
- f) CPRI issues two kinds of documents:


Test Report:

The test report will contain the record of the values of test parameters as obtained during testing, the physical condition of the apparatus during testing, the physical condition of the apparatus during/after the test(s), copy(ies) of Oscillogram(s), record of supplementary test(s) if any conducted but no certification on the performance of the apparatus tested

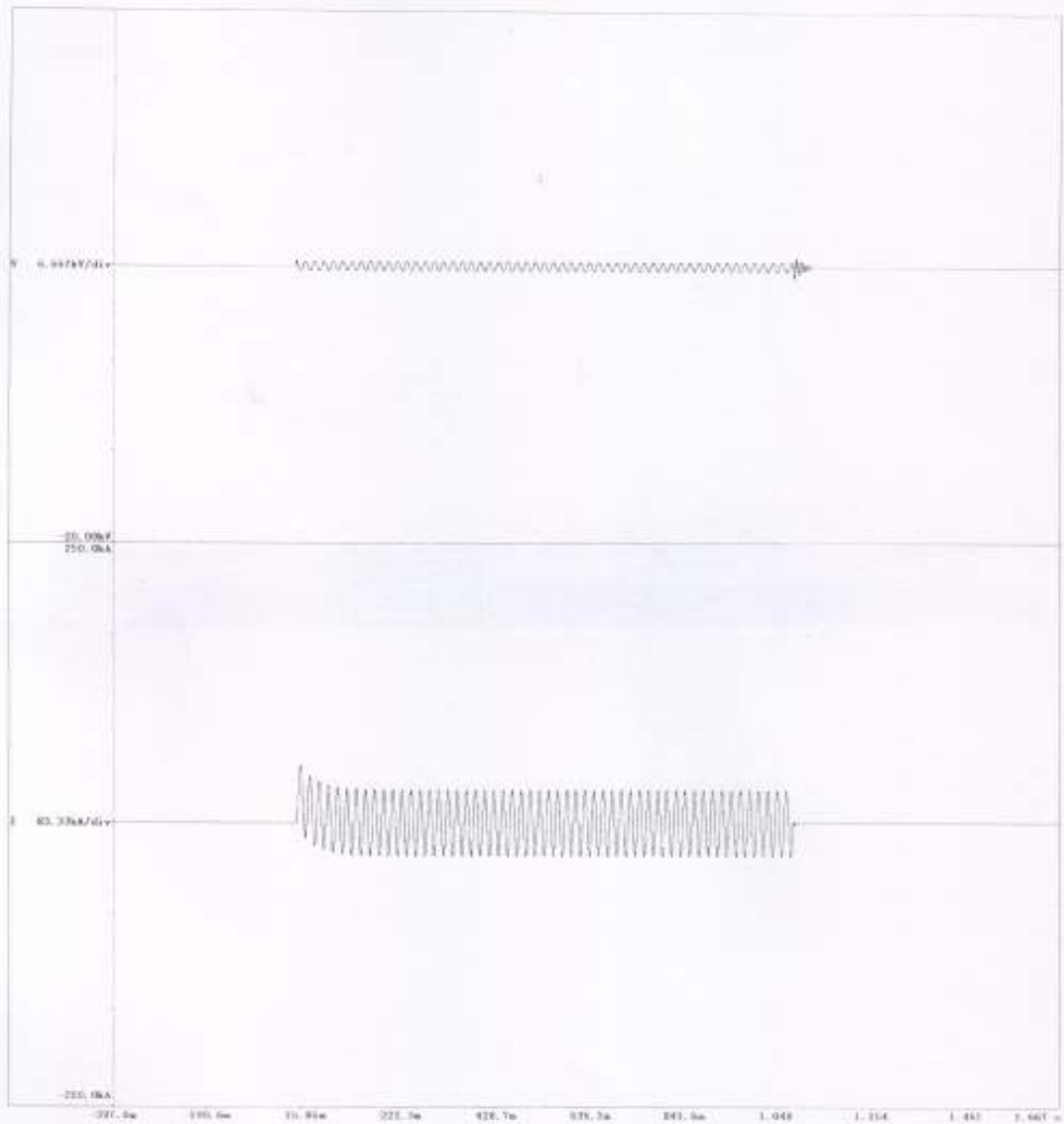
Type test Certificate:

The test certificate is issued, on request and payment of the prescribed charges only when the apparatus of particular type and rating has satisfactorily passed all the specified tests in compliance with condition stipulated in a published National/International Standards.

- g) All Documents constituting this test report/certificate are stitched together with a continuous silk thread/ribbon, the two ends of which have been brought over the front sheet of this test report/certificate and sealed with a CPRI logo printed paper sticker/embossed.


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S2170411.S02

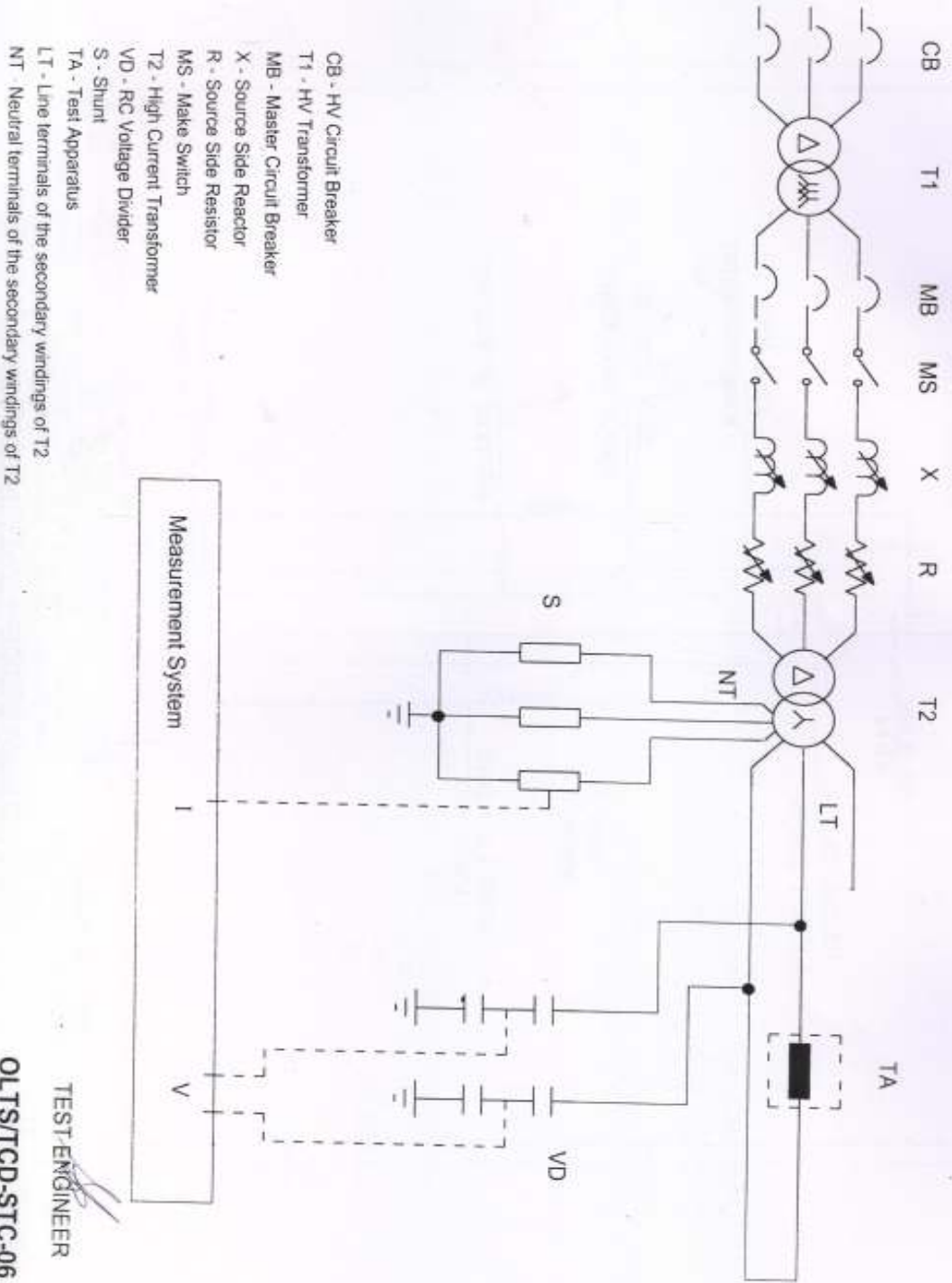
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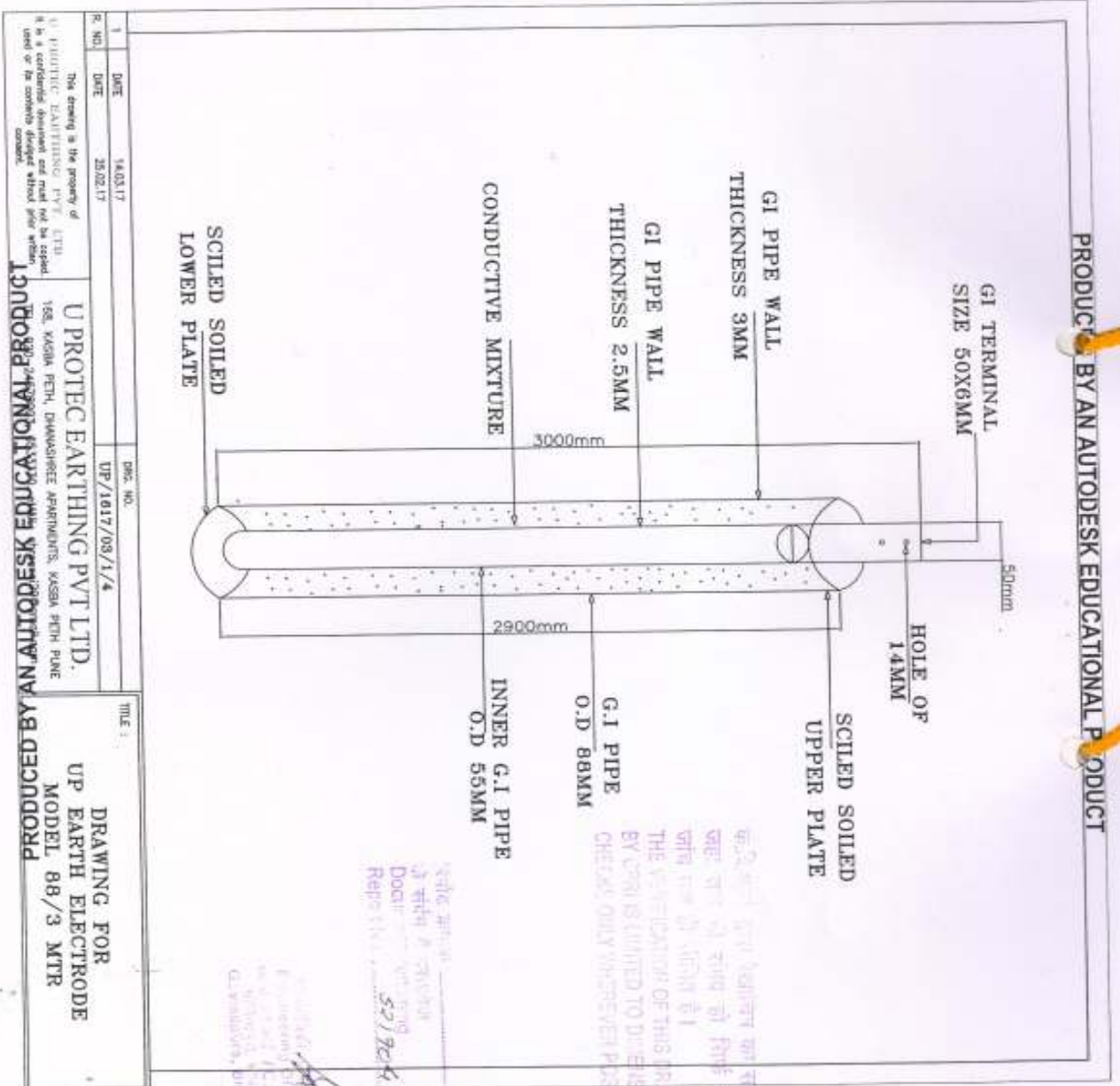
CPRI Bhopal



- 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

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OLTS/TCD-STC-06



R. NO.	DATE	DWG. NO.	TITLE :
1	14.03.17	UP/1817/08/1/4	DRAWING FOR UP EARTH ELECTRODE MODEL 88/3 MTR
This drawing is the property of U PROTEC EARTHING PVT. LTD. It is a confidential document and must not be copied, used or its contents divulged without prior written consent.		U PROTEC EARTHING PVT. LTD. 108, KASBA PEETH, DRAKASHERE APARTMENTS, KASBA PEETH PUNE	

ॐ स्वस्त्यै नमः
 डॉ. वि. वि. वि.
 52/804/11...
 Reps 1/1/1...
 Engineering Director
 U.P. Earth Electrode
 Model 88/3 MTR
 Kasba Peeth, Pune