



CPRI

Central Power Research Institute (Member of STL)

SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL-462023, INDIA

Phone: +91(0)755 2586682 Fax: +91(0)755 2587774



Certificate No.T-0011

Sheet 1 of 5

TEST REPORT

Test Report Number	S2110390	Dated :
Name & address of the customer	M/s Fast Electrode, 207, 1 st Floor, Kolhapur, Business Point, 1696, Sadashiv Peth, Pune - 30	13 MAY 2011
Name & address of the manufacturer	M/s Fast Electrode, 207, 1 st Floor, Kolhapur, Business Point, 1696, Sadashiv Peth, Pune - 30	
Particulars of sample tested	Earthing Electrode (Dia-88 mm, Length 3 metre)	
Condition of sample on Receipt	New	
Type	Nil	
Designation	FE-88	
Serial number	Nil	
Number of samples tested	One	
Date(s) of Test(s)	6 th May, 2011	
CPRI sample code no.	STDSST211S0445	
Particulars of tests conducted	Short time current test	
Test in accordance with Standard/specification	As per customer's requirement	
Sampling plan	Not applicable	
Customer's requirement	STC test to be conducted at 42 kArms for one second with initial peak of 88.2 kA	
Deviations if any	Nil	
Name of the Witnessing persons		
Customer's representative	Shri Rahul Chakurkar	
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	

(HIMANGSHU ROY)
TEST ENGINEER



(ANUPAM AWASTHI)
JOINT DIRECTOR



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Summary of test

Test conducted Short time current test

Rating for which tested 42 kArms for one second with initial peak of 88.2 kA

Documents constituting this report

Supplementary test report	Nil
Oscillogram numbers	S2110390.S02
Photograph numbers	P-1
Test circuit drawing numbers	OLTS/TCD-STC-06
Drawing numbers	FE 88/050511/1

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Ratings assigned by manufacturer

Test sample	Earthing Electrode (Dia-88 mm, Length 3 metre)
Type	Nil
Designation	FE-88
Serial Number	Nil
Rated voltage	400 V
Rated Current	10 kA
Frequency	50 Hz
Rated Insulation Voltage	-
Number of phases	Single
Rated short time current	42 kArms for one second with initial peak of 88.2 kA

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Short-time current test

Test conditions :

Condition of the sample before test : New

No. of poles : Single

Source frequency : 50Hz.

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 (sec)	Equivalent current in kArms for 1.0 second
S2110390 .S02	90.12	43.12	1.0	43.12

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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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) Any anomaly/discrepancy in this test report/certificate should be brought to our notice within 45 days from the date of issue.
- e) The verification of the sample drawings by CPRI is limited to dimensional checks only wherever possible.
- 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.

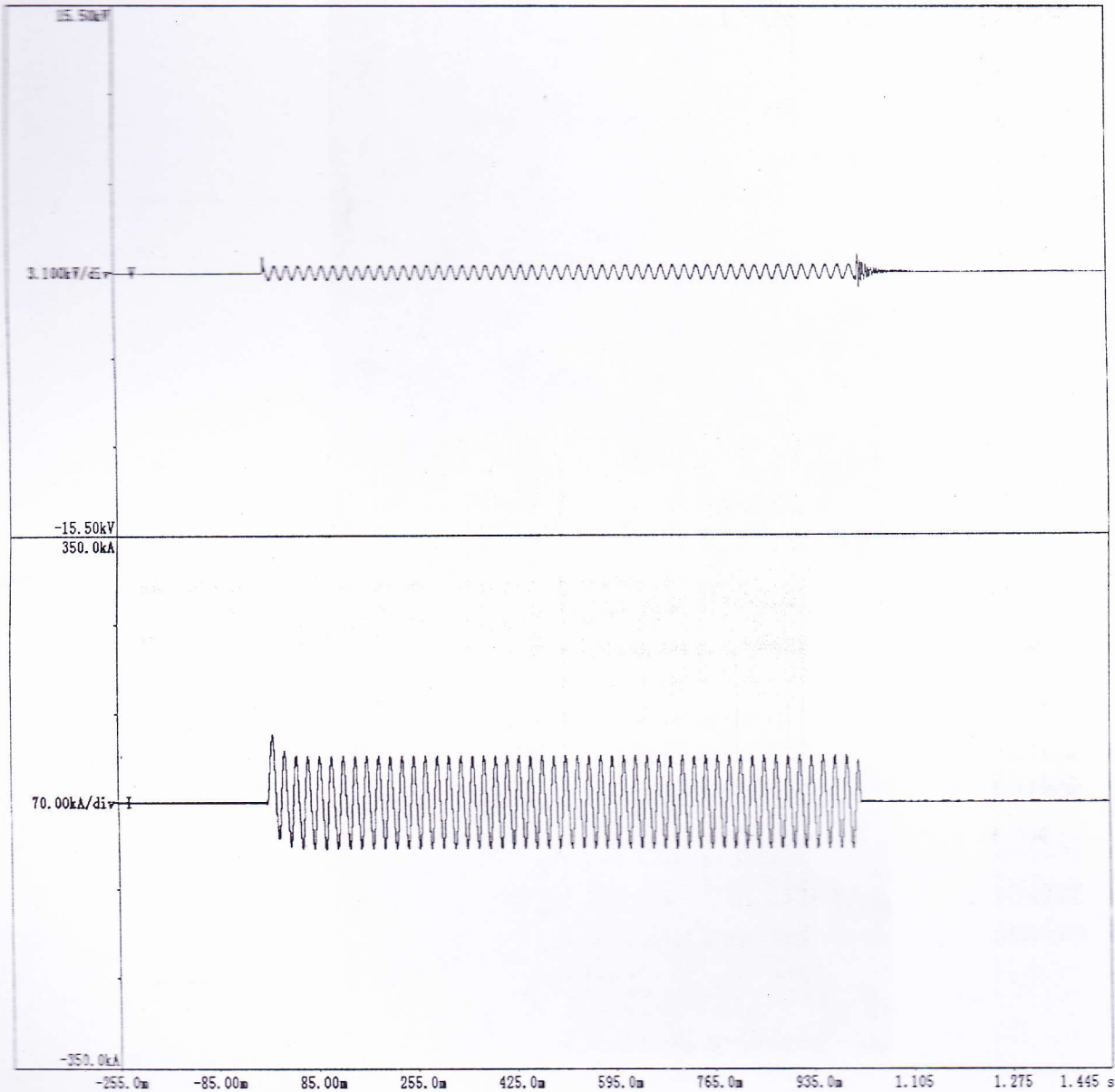
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अभियंत्रिकी अधिकारी
Engineering Officer
केन्द्रीय विद्युत अनुसन्धान संस्थान
Central Power Research Institute
विद्युतगोप्य परीक्षण तथा विकास केन्द्र

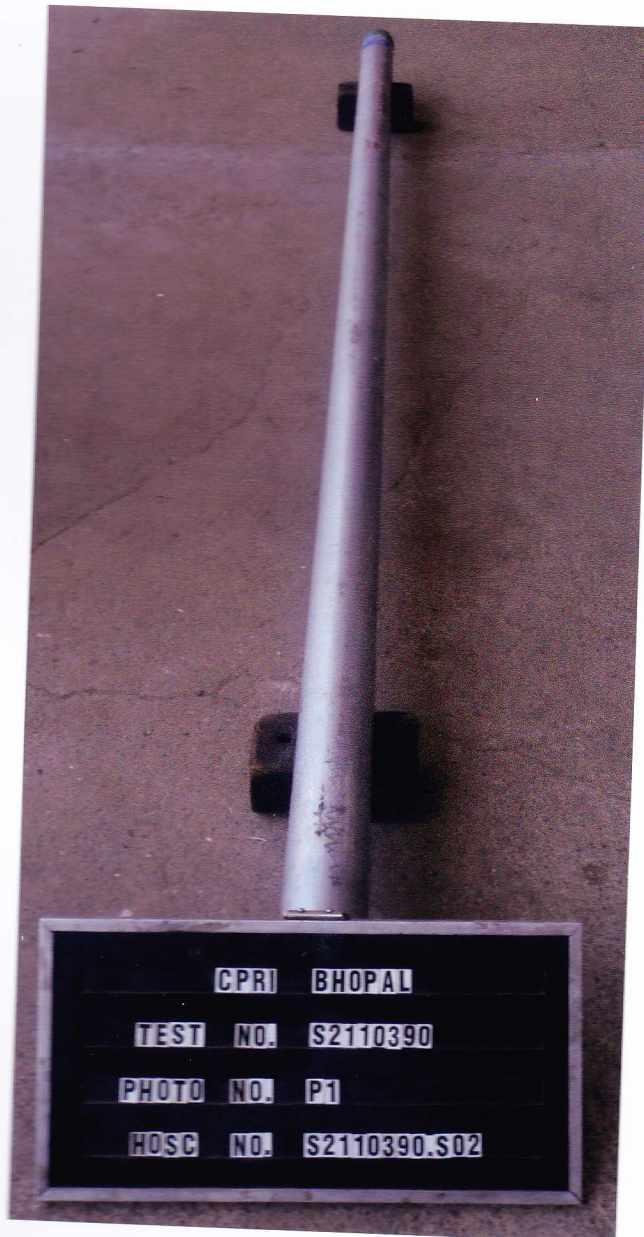
S2110390.S02



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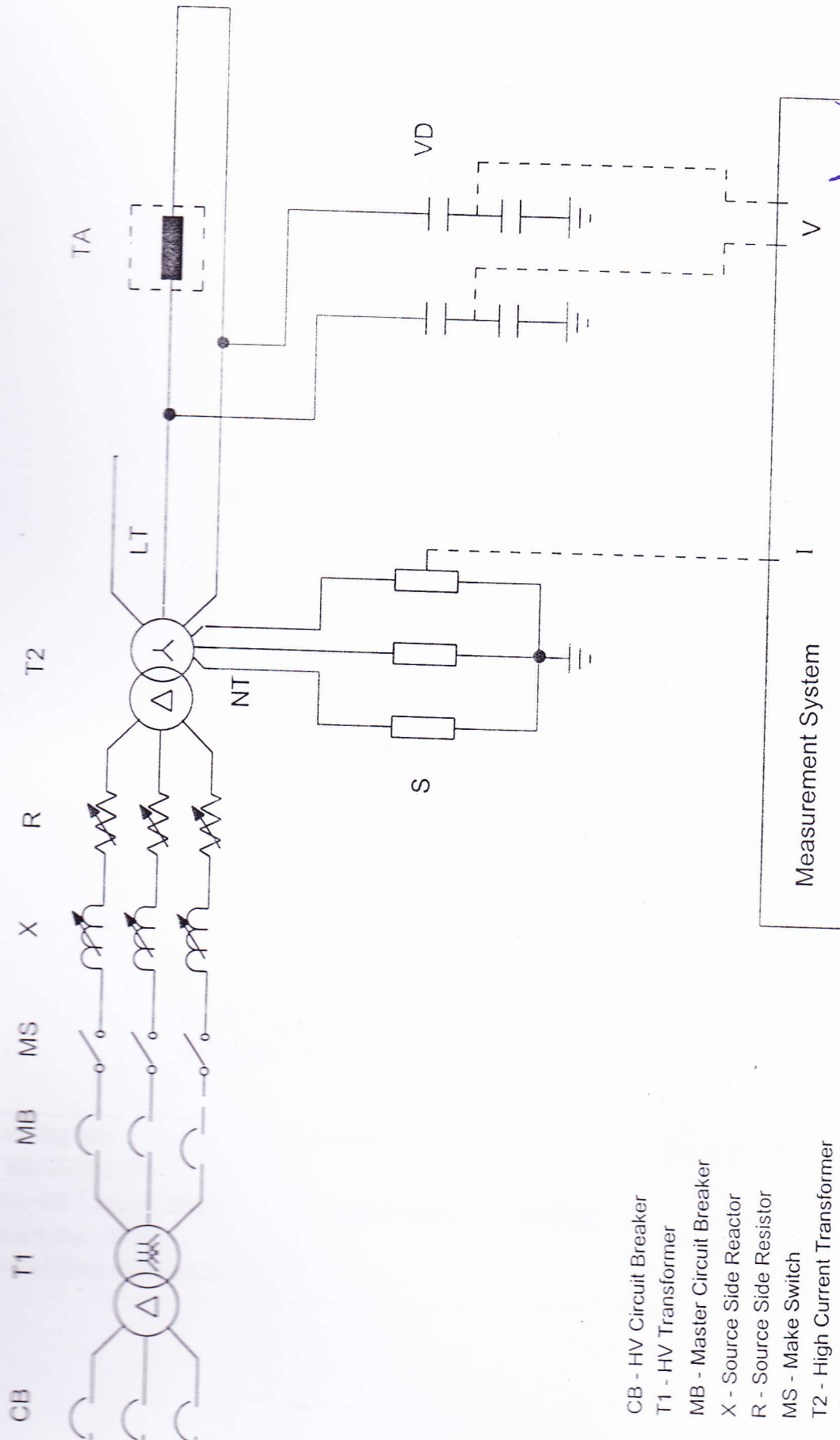
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- CB - HV Circuit Breaker
- T1 - HV Transformer
- MB - Master Circuit Breaker
- X - Source Side Reactor
- R - Source Side Resistor
- MS - Make Switch
- T2 - High Current Transformer
- VD - RC Voltage Divider
- S - Shunt
- TA - Test Apparatus

LT - Line terminals of the secondary windings of T2

NT - Neutral terminals of the secondary windings of T2

TEST ENGINEER

OLTS/TCD-STC-06