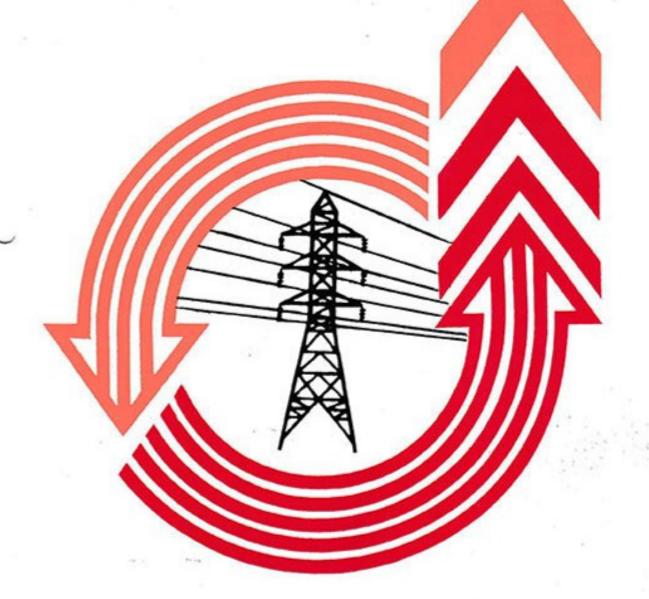


परीक्षण रिपोर्ट TEST REPORT



CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)

TEST REPORT



CPRI

Test Report Number

S2150736

Date:

Name & address of the Customer

M/s Power Engineering & Services Unit No.358, Opp. Bharat Serums Ltd., Behind Durga Hotel, CP Talao, Road No.27 0 3 SEP 2015

Name & address of the Manufacturer

M/s Power Engineering & Services Unit No.358, Opp. Bharat Serums Ltd., Behind Durga Hotel, CP Talao, Road No.27

Wagle Indl.Estate, Thane-400 604

Wagle Indl.Estate, Thane-400 604

Particulars of sample tested

415V, 4000A, PCC LT Panel

New

Condition of sample on Receipt

Indoor Nil

Designation Serial number

Type

PES/SCT/01/2015

Number of samples tested

One

Date(s) of Test(s) CPRI sample code no.

19th August 2015 STDSST215S0797

Particulars of tests conducted Test in accordance with

Verification of the short circuit withstand strength As per clause 8.2.3 of IS: 8623 (Part -1) 1993

Sampling plan

Not applicable Nil

Customer's requirement Deviations if any

Nil.

Name of the Witnessing persons

Customer's representative Other than Customer's representatives

Test subcontracted with address of the laboratory Shri Udaybhan Yadav

Nil None

Documents constituting this report (in words)

Five Number of sheets Two Number of oscillograms Nil Number of graphs One Number of photos Number of Test circuit diagrams Two Number of drawings Three

(SAUMITRAPATHAK) TEST ENGINEER



JOINT DIRECTOR

CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)

TEST REPORT



Test Report Number S2150736

Date:

0 3 SEP 2015

Summary of test

Test conducted

Verification of the short circuit withstand strength

Rating for which tested

70 kArms for 1.0 second with initial peak of 154 kA

Documents constituting this report

Oscillogram number

S2150736. S02, S04

Photograph numbers.

P-1

Test circuit diagram number

OLTS/TCD-STC-01 & OLTS/TCD-STC-02

Drawing number

PES/TESTING/01 Sheet 1 of 3 PES/TESTING/01 Sheet 2 of 3 PES/TESTING/01 Sheet 3 of 3

TEST ENGINEER

CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)

TEST REPORT



Test Report Number S2150736

Date: 0 3

0 3 SEP 2015

Ratings assigned by manufacturer

Test sample

PCC LT Panel

Type

Indoor

Designation

Nil

Serial number

PES/SCT/01/2015

Rated operational voltage

415 V

Rated current

4000 A

Rated insulation voltage

660 V

Rated frequency

50 Hz

Number of phases

Three phase + Neutral

Rated short-time current

70 kArms for 1.0 second with initial peak of 154 kA

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CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)

TEST REPORT



Test Report Number

S2150736

Date:

Verification of the short circuit withstand strength (cl. 8.2.3)

Test conditions:

Condition of the sample : New

No. of phases

: Three & Neutral

Source frequency

: 50Hz.

Transformer neutral & : See test circuit diagram no. OLTS/TCD-STC-01 for three phase test and

short circuit point

OLTS/TCD-STC-02 for single phase test

Safety parameter

: The sample was insulated from earth and connected to neutral of the supply via a fuse

of 0.1 mm diameter copper wire 50 mm long in series with a resistor limiting the fault

current to 100A

Test results:

Oscillogram Number	Peak kA	RMS in kA			Duration	Equivalent current in kArms
		Ir	Iy	- Ib	(seconds)	for I second
Three phase STC to Test circuit diagran			of HBB+\	/BB (Peal	k in Y-phase)	a i
S2150736.S02	157.84	71.17	70.77	70.48	1.0	71.17
Single phase STC to Test circuit diagran			ase of main	circuit bush	bar of HBB +V	ВВ
S2150736.S04	89.01	43.12		1.0	43.12	

Observations:

During test: No abnormality.

After test : No abnormality. Fine wire fuse Intact. All busbars & supports found intact. Remarks : After short circuit test the sample withstood HV test at 2.5 kVrms for one minute as

per standard.

Conclusion: The test results indicate that the sample tested complies with the requirement of cl. 8.2.3 of the

standard.

CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)

TEST REPORT



Test Report Number S2150736

Date:

0 3 SEP 2015

Note

- 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.
- Any correction/erasure invalidates this test report/certificate.
- NABL has Accredited this laboratory as per ISO 17025-2005 standard, vide certificate No.T-0011 for the tests carried out..
- The verification of the sample drawings by CPRI is limited to dimensional checks only wherever possible.
- Any anomaly/discrepancy in the test report/Certificate should be brought to the notice of CPRI within 45 days from the date of issue.
- g) 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.

h) 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.

TEST ENGINEER