



Certificate of Registration

This is to certify that

ELECTROSOFT AUTOMATION

**S7-1, JAI MATA DI COMPOUND, THANE BHIWANDI ROAD, KALHER,
BHIWANDI, DIST. THANE - 421302, MAHARASHTRA, INDIA.**

is compliant with the requirements of:

ISO 9001:2015

Quality Management System

For the following scope

**MANUFACTURERS AND SUPPLIERS OF PCC, MCC, PLC, VFD,
DC DRIVE, BUSDUCTS AND TRANSFORMER TEST PANELS.**

Date of initial registration : 30 December 2017

Date Of Expiry : 29 December 2020

1st Surve Due By : December 2018

Date of Issue : 30 December 2017

Renewal Due By : 29 December 2020

2nd Surve Due By : December 2019

CERTIFICATE NO.: 1799QAF2017




**AUTHORISED
SIGNATORY**

IPQC Certification (info@ipqc.co.uk/www.ipqc.co.uk)

Corporate Office : 7, Merry Terrace Woking, London FU21 3EH, UK

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before due date of audit (Incase if surveillance audit is not conducted; this certificate shall be suspended/withdrawn)

The validity of this certificate can be verified at www.ipqc.co.uk

This certificate remains the property of IPQC Certification and shall be returned immediately on request, IPQC Certification is

Accredited by : Bureau of International Accreditation Assessment for Certification Bodies (www.biaacb.com)



भारत सरकार
Govt. of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

MSME
सूक्ष्म, लघु और मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



उद्योग आधार



Udyog Aadhaar



A

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	MH33A0134497		

Udyog Aadhaar Registration Certificate

Udyog Aadhaar Number: MH33A0134497
Name of Enterprise: ELECTROSOFT AUTOMATION PVT LTD
Location of Plant Details:

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
1	S/7 ,1&2	JAI MATA DI COMPOUND	THANE-BHIWANDI ROAD	THANE-BHIWANDI ROAD	BHIWANDI	421302	MAHARASHTRA	THANE

Official Address of Enterprise: S/7 ,1&2, JAI MATA DI COMPOUND, THANE-BHIWANDI RODE, KALHER, TAL-BHIWANDI, BHIWANDI
District: THANE State: MAHARASHTRA PIN: 421302
Mobile No: 9821454898 Email: info@electrosoftindia.com

Date of commencement: 30/03/2019
Major Activity: MANUFACTURING
Enterprise Type: Micro
Previous Registration details-if any: ::
National Industry Classification Code:

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	26 - Manufacture of computer, electronic and optical products	2640 - Manufacture of consumer electronics	26409 - Manufacture of other electronic consumer goods n.e.c. (this includes non- television video camera)	Manufacturing
2	27 - Manufacture of electrical equipment	2710 - Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	27104 - Manufacture of electricity distribution and control apparatus (electrical apparatus for switching or protecting electrical circuits (e.g. switches, fuses, voltage limiters, surge suppressors, junction boxes etc.) for a voltage exceeding 1000 volts; similar apparatus (including relays, sockets etc.) for a voltage not exceeding 1000 volts; boards, panels, consoles, cabinets and other bases equipped with two or more of the above apparatus for electricity control or distribution of electricity including power capacitors.)	Manufacturing

Acknowledgement: Date of Filing: 28/05/2019 Date of Printing: 28/05/2019

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MyMsme Mobile App (Beta Version) is available now for download. <https://play.google.com/store/apps/details?id=msme.mysmsme>



HIGH POWER LABORATORY

TEST REPORT



Central Power Research Institute

(A Govt. Of India Society,)
P.B.No. 8066, Sadashivanagar S.P.O,
Prof. Sir. C.V. Raman Road,
Bangalore 560 080

टेलीफोन: 23600574
Telephone

फैक्स / Fax : 080-23600574
ईमेल: hpl1@cpri.in

यक्तिगत रूप से/पंजीकृत डाक से/ त्रि डाक द्वारापावती पत्र
In person / By Regd. Post / By Courier/By speed post with Ack. Due
केन्द्रीय विद्युत अनुसंधान संस्थान , बेंगलूर - 560 080
CENTRAL POWER RESEARCH INSTITUTE, BANGALORE-560 080
उच्च शक्ति प्रयोगशाला/HIGH POWER LABORATORY

सं/No.HPL/J/1/2012

Date: 20/04/2012

स्वाम्यदाता को /To

M/s. Prolific systems & Technologies Pvt Ltd.,
Plot No. A267, MIDC, New ESIC Hospital,
Road No. 16A, Wagle Industries Estate,
Maharashtra State.

Kind Attn: Mr. H.S. Shiva Shankar, Branch Manager,
M/s. Prolific systems & Technologies Pvt Ltd.,
विषय/ Sub :- परीक्षण दस्तावेज / Test Document(s) HPL12054

संदर्भ/Ref: -----

महोदय/ Dear Sir ,

हमारी प्रयोगशाला में को आपके

पर संचालित परीक्षण के संबंध में निम्नांकित दस्तावेज संलग्न हैं।

Please find enclosed Preliminary / Final Test Reports with the details Mentioned below.

TEST REPORT NO & DATE	SAMPLE DETAILS	TEST CONDUCTED	DATE OF TEST	FINAL (No)	ADDITIONAL COPY (No)
HPL12054 Date: 19/04/2012	415 V, 4000 A, PDB LT Panel	Verification of the short-circuit withstand strength	27 th March, 2012	One	Nil

रिपोर्ट में असंगतियाँ यदि हो तो इस रिपोर्ट के जारी होने की तारीख से 45 दिनों के अंदर लिखित रूप में हमारे ध्यान में लायी जाएँ ताकि आवश्यक संशुद्धि की जा सके और इसके लिए रिपोर्ट की सभी प्रतियाँ लौटाई जाएँ। कृपया नोट करें कि इस तारीख के बाद प्राप्त अनुरोधों पर कोई कार्रवाई नहीं की जाएगी।

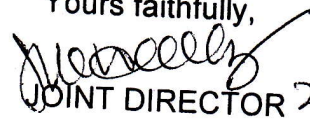
Any discrepancies in the report be brought to our notice in writing within 45 days of the date of issue of this report for effecting necessary corrections for which all the copies of reports must be returned. Please note that request received beyond this date will not be entertained.

दस्तावेजों की पावती भेजें।

Please acknowledge receipt of the document(s).

P.S :Customer to remove the tested sample with in 30 days from the date of completion of testing, failing which the sample will be disposed off by CPRI as per its policy

Yours faithfully,


JOINT DIRECTOR 20/4/12

CENTRAL POWER RESEARCH INSTITUTE



TEST REPORT

CPRI

Sheet No.1 of 5

Test Report Number : HPL12054 **Date:** 19th April, 2012

Name & Address of the Customer : M/s. Prolific Systems & Technologies Pvt. Ltd.,
Plot No. A267, MIDC, New ESIC Hospital,
Road No. 16A, Wagle Industrial Estate,
Thane (W) – 400 604,
Maharashtra State.

Name & Address of the Manufacturer: M/s. Electrosoft Automation,
S7/1, Jai Mata Di Compound,
Thane, Bhiwandi Road,
Kalher – 421 302, Dist. Thane,
Maharashtra State.

Particulars of sample tested : 415 V, 4000 A, PDB LT Panel
Type : LT Panel
Designation : Power Distribution Panel
Serial number : EA/298/11-12
Number of samples tested : One
Date(s) of Test(s) : 27th March, 2012
CPRI Sample Code No. : HPL12S0054
Condition of sample on receipt : New

Particulars of tests conducted : Verification of the short-circuit withstand strength

Test in accordance with Standard/Specification : Sub-clause 8.2.3 of IS 8623 (Part 1): 1993 /
IEC Pub 439-1 (1985) (Reaffirmed 2004)

Sampling Plan : Nil
Customer's requirement : Nil
Deviation if any : Nil
Remarks if any : Nil

Name of the witnessing persons

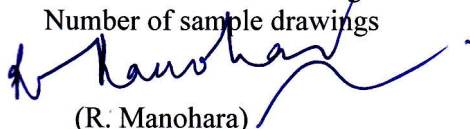
Customer's representative : Mr. H.S. Shiva Shankar, Branch Manager, M/s. Prolific Systems & Technologies Pvt. Ltd.

Other than Customer's representative : Mr. Shaikh Muzaffar, General Manager, M/s. Electrosoft Automation.

Test subcontracted with address of the laboratory : Nil

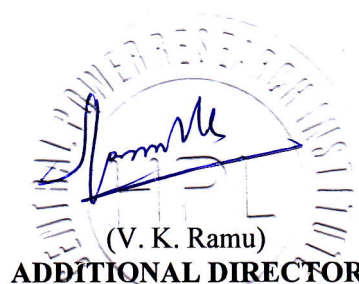
Documents constituting this report (In words)

Number of sheets : Five
Number of oscillograms : One
Number of graphs : Nil
Number of photos : Two
Number of test circuit diagrams : One
Number of sample drawings : Four


(R. Manohara)

TEST ENGINEER




(V. K. Ramu)
ADDITIONAL DIRECTOR

CENTRAL POWER RESEARCH INSTITUTE



CPRI

Test Report No. HPL12054

Sheet No. 2 of 5

DESCRIPTION OF SAMPLE TESTED

(As assigned by the manufacturer)

Sample	: 415 V, 4000 A, PDB LT Panel
Type	: LT Panel
Designation	: Power Distribution Panel
Serial number	: EA/298/11-12
Class	: Indoor
Rated voltage	: 415 V
Rated normal current	: 4000 A
Frequency	: 50 Hz
Number of phases	: Three
Rated Insulation level	: 690 V
Rated short-time withstand current	: 65 kA rms
Rated peak withstand current	: 143 kA peak
Duration of short-circuit	: 1.0 second
Type of termination	: Rigid

(R. Manohara)
TEST ENGINEER

CENTRAL POWER RESEARCH INSTITUTE



CPRI

Test Report No. HPL12054

Sheet No. 3 of 5

LIST OF DRAWINGS OF SAMPLE AND PHOTOGRAPHS

Drawings of the sample tested:

The manufacturer has guaranteed that the sample submitted for the test has been manufactured in accordance with the following drawings. It is verified that these drawings adequately represent the sample tested.

Sample drawing numbers:

1. EA/298/11-12, REV. 1, PAGE 1 OF 4
2. EA/298/11-12, REV. 1, PAGE 2 OF 4
3. EA/298/11-12, REV. 1, PAGE 3 OF 4
4. EA/298/11-12, REV. 1, PAGE 4 OF 4

Total drawings (Duly attested): Four

Photographs of the sample tested

Mounting arrangement before test	: 105
Condition of the sample after test	: 107
Total photographs	: Two

(R. Manohara)
TEST ENGINEER

CENTRAL POWER RESEARCH INSTITUTE



Test Report No. HPL12054

CPRI

Sheet No. 4 of 5

SCHEDULE OF TESTS

VERIFICATION OF THE SHORT-CIRCUIT WITHSTAND STRENGTH (sub-clause 8.2.3)

Test conditions

Source
Number of phases Short-circuit generator
Frequency Three
50 Hz

Test sample

Condition before test New
Mounting arrangement Refer Photograph No. 105
Body/Enclosure Isolated & grounded through fine wire fuse (FWF) in series with the resistor.

Test details

Test circuit drawing number CRTL/HPL/3SC25
Short-circuit point Grounded

Test results

Test on : Main bus-bars

Oscillogram Number	Peak Current (kA)	RMS Current (kA)				Duration (secs.)	Observations
		I ₁	I ₂	I ₃	I _{av}		
HPL12054.S003	144.6	58.5	57.5	57.3	57.76*	1.27	During test : No abnormalities. After test: Fine wire fuse Intact. No visible external damage.

*Equivalent to 65.1 kA rms for 1.0 second

VERIFICATION OF THE DIELECTRIC PROPERTIES

Test procedure	Observation
After test, a high voltage power frequency of 3 kV rms for one minute was applied between each phase & all other phases with enclosure connected to earth.	Withstood

Physical Inspection

Bus-bars & joints : No visible damage or deformation.
Bus-bars support insulators : Intact.

Remarks: The performance of sample tested complies with the requirements of the sub-clause 8.2.3 of IS 8623 (Part 1): 1993 / IEC Pub 439-1 (1985) (Reaffirmed 2004)

(R. Manohara)
TEST ENGINEER

CENTRAL POWER RESEARCH INSTITUTE



Test Report No. HPL12054

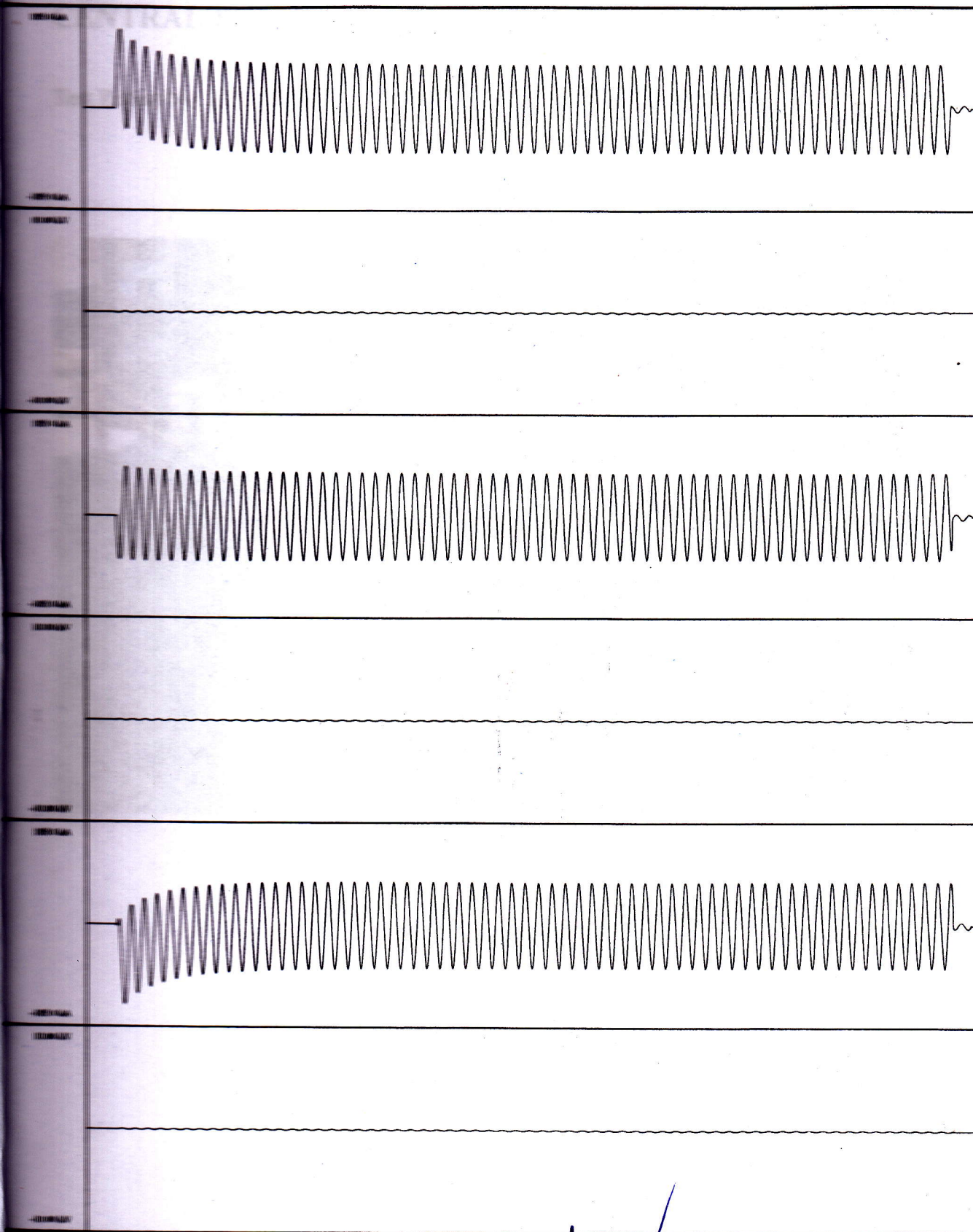
CPRI

Sheet No. 5 of 5

NOTE

- a) The Test results relate only to the item(s) tested.
- b) Publication or reproduction of the test report/certificate in any form other than by complete set of the whole test report/certificate and in the language written is not permitted without the written consent of CPRI.
- c) Any corrections/erasure invalidates the test report/certificate
- d) NABL has Accredited this laboratory as per IS 17025-2005 standard for the tests carried out.
- 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.

(R. Manohara)
TEST ENGINEER



[Handwritten signature]

CENTRAL POWER RESEARCH INSTITUTE

Test Report No. HPL12054



CPRI



Photograph No. 105: Mounting arrangement before test

(R. Manohara)
TEST ENGINEER

CENTRAL POWER RESEARCH INSTITUTE

Test Report No. HPL12054



CPRI



Photograph No. 107: Condition of the sample after test

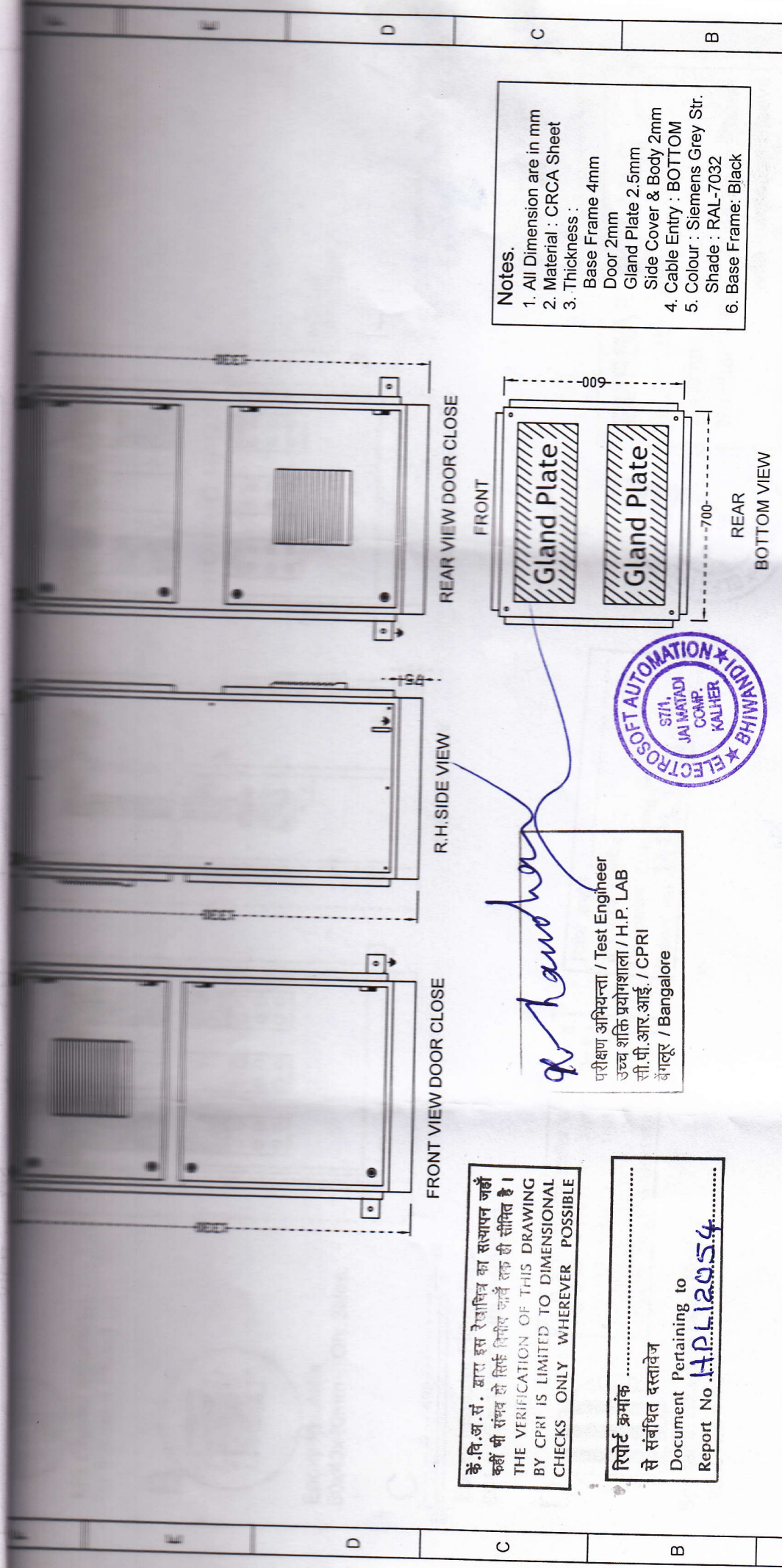
(R. Manohara)
TEST ENGINEER



- 2500 MVA short circuit generator
Resistor
Generator neutral grounding resistor
Master circuit breaker
Make switch
Variable current limiting reactor
300kA testing transformer
Voltage divider
Measuring current transformer
Protection current transformer
Apparatus under test
Currents recorded on primary side of
Corresponding secondary currents of

Schematic diagram of test circuit
Drg.No.CRTL/HPL/3SC25

Test Engineer



- Notes.**
1. All Dimension are in mm
 2. Material : CRCA Sheet
 3. Thickness :
Base Frame 4mm
Door 2mm
Gland Plate 2.5mm
Side Cover & Body 2mm
 4. Cable Entry : BOTTOM
 5. Colour : Siemens Grey Str.
 6. Shade : RAL-7032
 7. Base Frame: Black

Handwritten signature

परीक्षण अभियन्ता / Test Engineer
उच्च शक्ति प्रयोगशाला / H.P. LAB
सी.पी.आर.आई. / CPRI
बंगलूरु / Bangalore



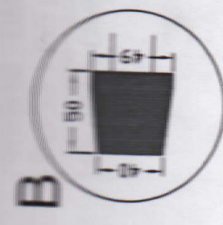
कें.वि.अ.सं. द्वारा इस रेखाचित्र का सत्यापन नहीं
कहीं भी संभव हो सिर्फ़ निर्दिष्ट जाँचें तक ही सीमित है।
THE VERIFICATION OF THIS DRAWING
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से संबंधित दस्तावेज
Document Pertaining to
Report No. **HPL12054**

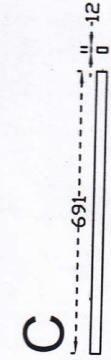
Drawing No:- EA / 298 / 11-12		DRWN BY		I.M		REV	
TITLE :- PDB LT PANEL DRAWING		CHK BY		M.S		1	
RATED VOLTAGE :- 415VAC, 3WIRE		APPR BY		S.B		1	
RATED CURRENT :- 4000A		DATE		10.02.12		PAGE	
SHORT CIRCUIT CURRENT :- 65KA						1 OF 4	
TYPE :- INDOOR						2	
						3	
						4	
						5	
						6	
						7	
						8	

MANUFACTURER:-
ELECTROSOFT AUTOMATION
S711, Jai Matadi Compound, Thane-Bhiwandi
Road, Kalher, Tal.Bhiwandi, Dist-Thane.
PIN No.421302. (MAHARASHTRA)

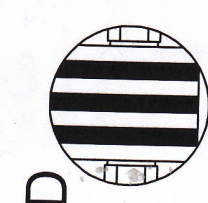
CLIENT :-
PROLIFIC SYSTEMS & TECHNOLOGIES P.LTD.
Plot No.A-267, MIDC, Near ESIC Hospital, Road No.16-A,
Wagle Industrial Estate, Thane(W)
PIN No.400604. (MAHARASHTRA)



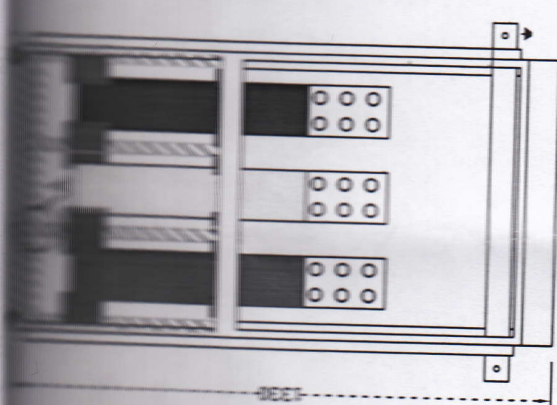
Epoxy Insulator
50x49x40mm Qty. 3Nos.



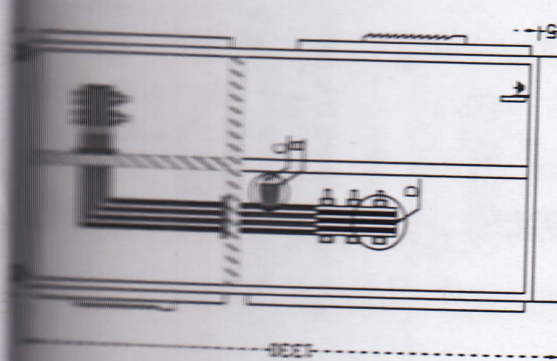
Epoxy Insulator Fitting Strip
691 x 25 x 12mm with Insulation



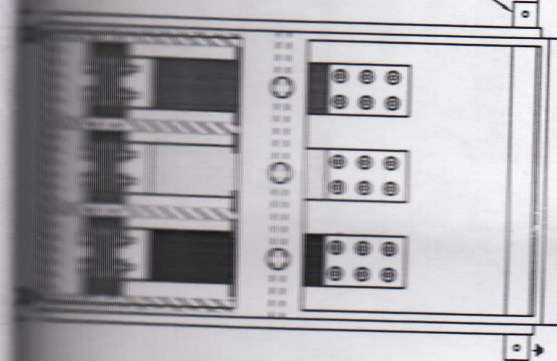
Spacer in Between Main Busbar
195 x 125 x 10mm



FRONT VIEW DOOR OPEN



R.H. SIDE VIEW



REAR VIEW DOOR OPEN

60 x 10mm
Earthing Busbar

[Signature]
परीक्षण अभियन्ता / Test Engineer
उच्च शक्ति प्रयोगशाला / H.P. LAB
सी.पी.आर.आई. / CPRI
बंगलूरु / Bangalore

कै.वि.अ.सं. द्वारा इस रेखाचित्र का सत्यापन जाँच
कई भी संभव हो सके बिना जाँच सख्त ही सीमित है।
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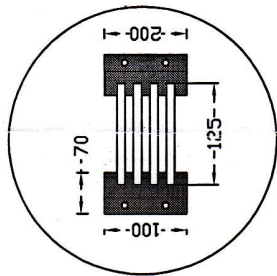
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BUSBAR DETAILS :
SIZE: 125x10mm
Material : Aluminum
Number of Run : 4Nos Each Phase.
with Insulation Sleeve



Drawing No:- EA / 298 / 11-12		DRWN BY		I.M		REV	
TITLE :- PDB LT PANEL DRAWING		CHK BY		M.S		1	
RATED VOLTAGE :- 415VAC, 3WIRE		APPR BY		S.B			
RATED CURRENT :- 4000A		DATE		10.02.12		PAGE	
SHORT CIRCUIT CURRENT :- 65KA						2 OF 4	
TYPE :- INDOOR						2	
		3				1	

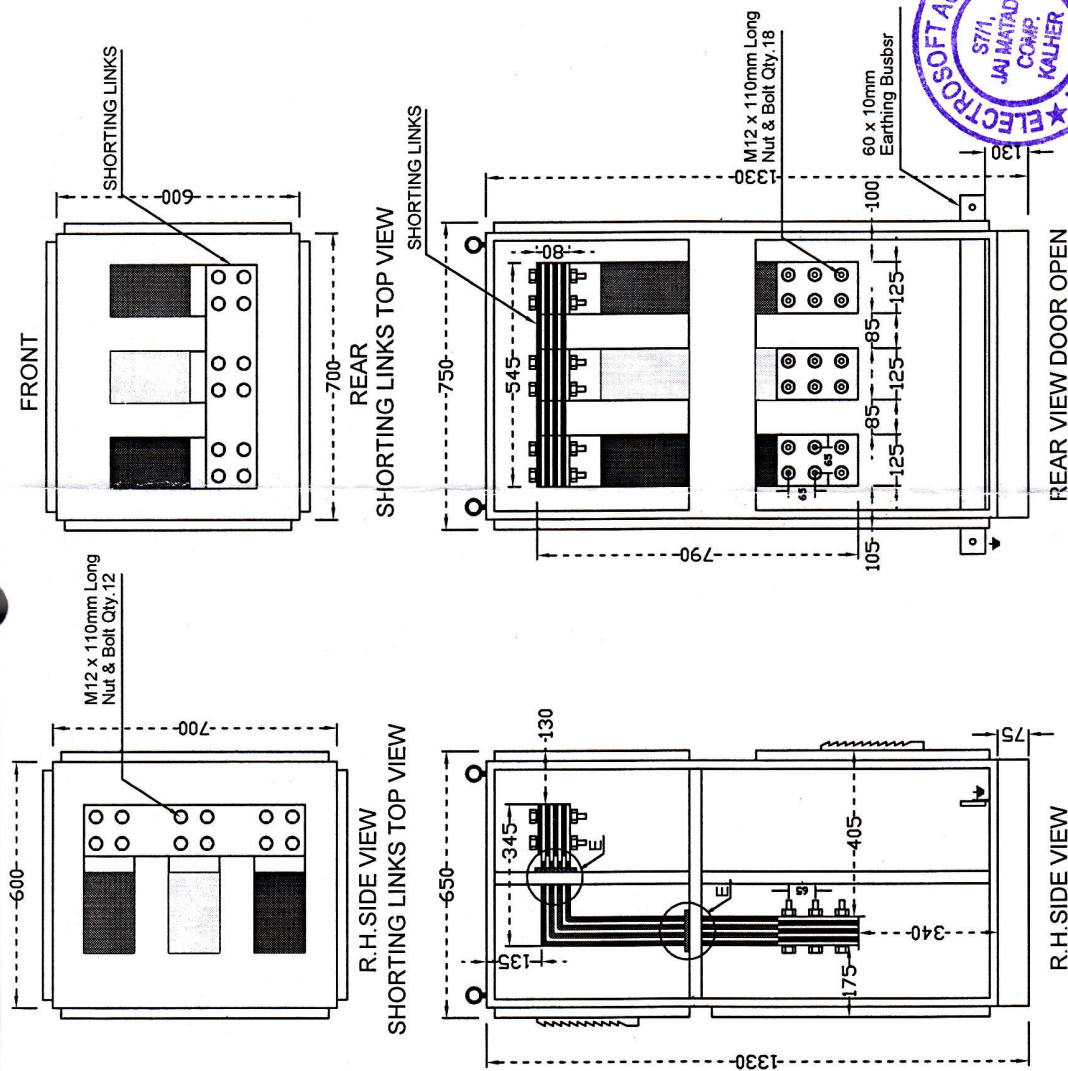
E Insulator Arrangement	Insulator Type: Fingre Type Material : DMC Colour - PO Red Qty. 12Nos	Insulator Drawing
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कें.वि.अ.सं. द्वारा इस रेखाचित्र का सात्यापन जहाँ
कहीं भी संभव हो सिद्ध हो, तब ही संभव है।
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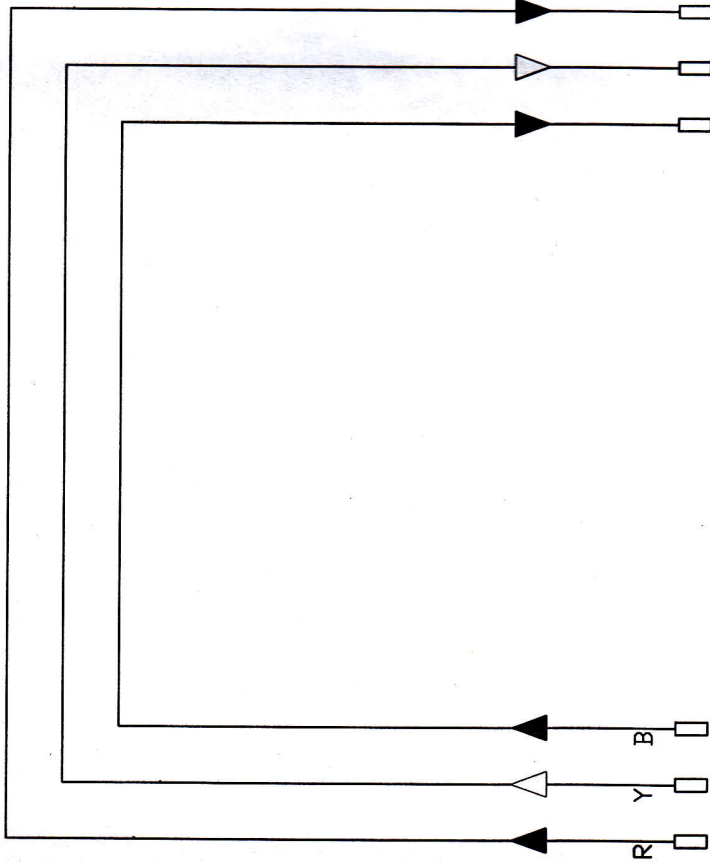
रिपोर्ट क्रमांक
 से संबंधित दस्तावेज
 Document Pertaining to
 Report No. HPL12054/

परीक्षण अभियन्ता / Test Engineer
उच्च शक्ति प्रयोगशाला / H.P. LAB
सी.पी.आर.आई. / CPRI
बंगलूरु / Bangalore



MANUFACTURER:- ELECTROSOFT AUTOMATION S7/1, Jai Matadi Compound, Thane-Bhiwandi Road, Kalher, Tal.Bhiwandi, Dist.-Thane. PIN No.421302. (MAHARASHTRA)	CLIENT :- PROLIFIC SYSTEMS & TECHNOLOGIES P.LTD. Plot No.A-267, MIDC, Near ESIC Hospital, Road No.16-A, Wagle Industrial Estate, Thane(W) PIN No.400604. (MAHARASHTRA)	8	7	6	5	4	3	2	1
Drawing No:- EA / 298 / 11-12		DRWN BY	I.M	1	REV				
TITLE :- PDB LT PANEL DRAWING		CHK BY	M.S						
RATED VOLTAGE :- 415VAC, 3WIRE		APPR BY	S.B						
RATED CURRENT :- 4000A		DATE	10.02.12	PAGE	3 OF 4				
SHORT CIRCUIT CURRENT :- 65KA									
TYPE :- INDOOR									

ALUMINUM BUSBAR 125X10MM 4RUN



कें.वि.अ.सं. द्वारा इस रेखाचित्र का सत्यापन नहीं
कहीं भी संगत के लिए किया जाये तक ही सीमित है।
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BY CPRI IS LIMITED TO DIMENSIONAL
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रिपोर्ट क्रमांक
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Document Pertaining to
Report No. **HP.L.20.54**

Handwritten signature
परीक्षण अभियन्ता / Test Engineer
उच्च शक्ति प्रयोगशाला / H.P. LAB
सी.पी.आर.आई. / CPRI
बैंगलूर / Bangalore



Drawing No:- EA / 298 / 11-12		DRWN BY		I.M		REV	
TITLE :- PDB LT PANEL DRAWING		CHK BY		M.S		1	
RATED VOLTAGE :- 415VAC, 3WIRE		APPR BY		S.B		4 OF 4	
RATED CURRENT :- 4000A		DATE		10.02.12		PAGE	
SHORT CIRCUIT CURRENT :- 65KA		3		2		1	
TYPE :- INDOOR		4		5		6	
CLIENT :-		7		8		9	
PROLIFIC SYSTEMS & TECHNOLOGIES P.LTD.		10		11		12	
Plot No.A-267, MIDC, Near ESIC Hospital, Road No.16-A,		13		14		15	
Wagle Industrial Estate, Thane(W)		16		17		18	
PIN No.400604. (MAHARASHTRA)		19		20		21	
MANUFACTURER:-		22		23		24	
ELECTROSOFT AUTOMATION		25		26		27	
S7/1, Jai Matadi Compound, Thane-Bhiwandi		28		29		30	
Road, Kalher, Tal.Bhiwandi, Dist-Thane.		31		32		33	
PIN No.421302. (MAHARASHTRA)		34		35		36	

CPRI

TEST REPORT



Central Power Research Institute

(A Govt. of India Society)

P.B.No. 8066, Sadashivanagar Post Office,

Sir C.V. Raman Road,

Bangalore - 560 080 (INDIA)

CENTRAL POWER RESEARCH INSTITUTE

Sheet 1 of 3

TEST REPORT



CPRI

Test Report Number: 089EATDHPL12S0012

Dated: 09.02.2012

Name & Address of the Customer : M/s ELECTROSOFT AUTOMATION,
S7/1, Jai Mata Di Compound
Thane – Bhiwandi Road, Kalher – 421 302,
Dist. Thane.

Name & Address of the Manufacturer : M/s ELECTROSOFT AUTOMATION,
S7/1, Jai Mata Di Compound
Thane – Bhiwandi Road, Kalher – 421 302,
Dist. Thane.

Particulars of sample tested

Condition of the sample on Receipt : New
Type : Out door (415 V AC, 200 A, 3 Phase)
Designation : PDB LT Panel
Serial Number : 277 / 11-12
Number of samples tested : One only
Date (s) of Test (s) : 01.02.2012 and 02.02.2012
CPRI sample code no(s) : HPL12S0012

Particulars of tests conducted

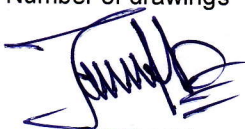
Test in accordance with
Standard / specification : IP 65 (IP 6X Category 2) Tests as per IS12063:1987
(RA 2009) Standard.
Sampling Plan : Not applicable
Customer's requirement : 1. IP 65 (IP 6X Category 2) Tests as per IS12063:1987
(RA2009) Standard.
2. Insulation Resistance Measurement at 500 V DC and
3. Power frequency High Voltage withstand test at 2.0 kV
AC – to be applied for one minute between all busbar
terminals shorted together and body, to be conducted
before and after IP Test.
Deviations if any : -Nil-

Name of the witnessing persons

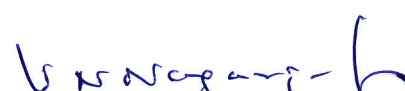
Customer's representative : Mr. Shaikh Muzaffar.
Other than customer's representatives : -Nil-
Test subcontracted with
address of the laboratory : None

Documents constituting this report (In words)

Number of sheets : Three Only
Number of oscillograms : -Nil-
Number of graphs : -Nil-
Number of photos : -Nil-
Number of test circuit diagrams : -Nil-
Number of drawings : One only. Drg. No. CP-12-001 REV 0 PAGE 1 OF 2


(LOKESH C.)
Test Engineer




(NAGARAJA RAO V. N.)
Joint Director

CENTRAL POWER RESEARCH INSTITUTE



Sheet 2 of 3

Test Report Number:089EATDHPL12S0012

Date:09.02.2012

CPRI

CONDITION OF SAMPLE: New sample fitted with MCB and busbars inside.

TEST RESULTS:

SL. NO.	PARTICULARS		OBSERVATIONS/VALUES OBTAINED		
	TESTS CONDUCTED	REFERENCE CLAUSE			
1.0	IP 6X Category 2 test as per IS12063:1987 (RA2004) Standard	Clause 7.6 Protection against ingress of solid foreign objects – Dust test.	No dust found inside the PDB LT Panel. "Protection provided is satisfactory"		
2.0	IP X5 Test as per IS 12063:1987 (RA2009) Standard	Clause 8.5 Protection against harmful ingress of water – Hosejet of 6.3 mm dia, from 3 m distance	No water found inside the PDB LT Panel.		
3.0	Electrical Tests		Before IP 6X test	After IP 6X test/ Before IP X5 test	After IP 5 test
3.1	Insulation Resistance Measurement at 500 V DC applied for one minute between all busbar terminals shorted together and body of PDB LT Panel		>1.0 GΩ	>1.0 GΩ	>1.0 GΩ
3.2	Power frequency High Voltage Withstand test at 2.0 kV AC applied for one minute between all busbar terminals shorted together and body of PDB LT Panel.		Withstood	Withstood	Withstood

Compliance Note:

The PDB LT Panel sample submitted for IP 65 (IP 6x Category 2) Tests meets the requirements of the test as per IS12063:1987 (RA2009) Standard..

Test Engineer

