ELECTRICAL APPLIANCES TECHNOLOGY DIVISION
CENTRAL POWER RESEARCH INSTITUTE
P.B.NO.8066, SADASHIVANAGAR P. O.
SIR. C.V.RAMAN ROAD, BANGALORE - 560 080, INDIA.
Telefax : + 91 - 080 - 23604572 Fax : +91 (0) 80 - 23601213

CPRI

NABL Accredited Laboratory
Certificate No. T-0010

TEST REPORT

Test Report Number: 250EATDIP11S0154 **Dated: 07.06.2011**

Name & Address of the Customer	:	M/s.RAMYASRI ELECTRICAL AUTOMATION, Plot.No. 116, Block - D, IDA, Autonagar, Visakhapatnam-530 012, A.P.
Name & Address of the Manufacturer	:	M/s.RAMYASRI ELECTRICAL AUTOMATION, Plot.No. 116, Block - D, IDA, Autonagar, Visakhapatnam-530 012, A.P.

Particulars of sample tested

Condition of the sample on Receipt	:	New (Empty panel with 4P, 63 Amps MCB mounted inside)
Type	:	Indoor (415V AC / DC)
Designation	:	Power Distribution Board
Serial Number	:	116
Number of samples tested	:	One only
Date (s) of Test (s)	:	18.05.2011 and 20.05.2011
CPRI sample code no(s)	:	EATDIP11S0154

Particulars of tests conducted

Test in accordance with Standard / specification	:	IP 55 Test as per IS/IEC 60947-1:2004 Standard.
Sampling Plan	:	Not applicable
Customer's requirement	:	1. IP 55 (IP 5X Category-2) Test as per IS/IEC 60947-1:2004 Standard. 2. Insulation Resistance Test at 500V DC and 3. Power Frequency High Voltage Withstand Test at 2.5kV AC-to be applied for one minute between all bus bar 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. C. Ramakanth and P. Venkateswar Rao.
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. REA/18/2011-115, Sheet 1 of 1.

(LOKESH C.)
Test Engineer

(A. R. RAVI KUMAR.)
Joint Director

AUTHORISED SIGNATORIES

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TEST RESULTS:

SL. NO.	PARTICULARS		OBSERVATIONS/VALUES OBTAINED		
	TESTS CONDUCTED	**REFERENCE CLAUSE**			
1.0	IP 5X Category-2 test as per IS/IEC 60947-1:2004 Standard.	**Clause C.13.4** Protection against ingress of solid foreign objects - Dust Test.	No dust found inside the Power Distribution Board		
2.0	IP X5 test as per IS/IEC 60947-1:2004 Standard.	**Clause C.14** Protection against ingress of water.	No water found inside the Power Distribution Board.		
3.0	**Electrical / Functional tests conducted**		**Before IP 5X test**	**After IP 5X test / After IP X4 test**	**After IP X4 test**
3.1	Insulation Resistance Test at 500V DC applied for one minute between busbar terminals shorted together and body.		>1.0 GΩ	>1.0 GΩ	>1.0 GΩ
3.2	Power Frequency High Voltage Withstand Test at 2.5kV AC applied for one minute between busbar terminals shorted together and body.		Withstood	Withstood	Withstood

Compliance Note:
The '**Power Distribution Board**" complies with the requirement of IP 55 (IP5X Category 2) Tests as per IS/IEC 60947-1:2004 Standard.

Test Engineer