

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : <http://www.erda.org>



TEST REPORT

Sheet: 1 of 2

NAME AND ADDRESS OF CUSTOMER		TEST REPORT NO: LIPS/604	
SUNSHINE TECHNICAL INDUSTRIES & TRADING F.Z.E.		DATE : 26/02/2013	
P. O. BOX NO. 20181, AJMAN FREE ZONE, UNITED ARAB EMIRATES.		CUSTOMER REF. NO.: Nil	DATE 14/02/2013
SAMPLE DESCRIPTION		DATE OF SAMPLE RECEIPT 14/02/2013	DATE OF TESTING 14/02/2013 to 15/02/2013
		SAMPLE IDENTIFICATION	
ENCLOSURE (EMPTY) Containing: No live parts		ERDA sample code no.: LSWGWO0109799/01 Drg. No.: S-1226-13 (Rev. 00) Sr. No.: Nil	
TEST DETAILS			
1.0 IP 55 (category 2) tests		Cl. No. 9.8 of IEC 62208-2011	
Enclosures: i) Photographs No.: i) 109799/01/1 ii) 109799/01/2 iii) 109799/01/3 ii) Drg. No.: S-1226-13 (Rev. 00)			
Test Witnessed By: Mr. Gaurav Barthwall of M/s. Sunshine Technical Industries & Trading F.Z.E.			
Remarks: Sample conforms to the requirement of IP 55 (category 2) tests as per the standard.			
Prepared by Amudasa		Checked by Vadef	
Approved by fsh		Approved by fsh	

Note: 1. This report relates only to the particular sample received for testing in good condition at ERDA.

2. This report cannot be reproduced in part under any circumstances.

3. Publication of this report requires prior permission in writing from Director, ERDA.

4. Only the tests asked for by the customer have been carried out.

5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arisen.

0881921



ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : <http://www.erda.org>



Test Report No.: LIPS/604

Sheet : 2 of 2

Date : 26/02/2013

TEST RESULTS

IP 55 (category 2) Tests: (Protection against ingress of dust and protection against water jets as per Cl. No. 9.8 of IEC 62208-2011)

1.0 IP 5X test: (Protection against ingress of dust as per Cl. No. 13.4 & 13.5 of IEC 60529-2001)

The sample was kept as in normal use inside the test chamber. The required amount of talcum powder was maintained in suspension throughout the test. As the sample belongs to category 2, the test was carried out without maintaining the pressure inside the enclosure below atmosphere. The test was continued for 8 hrs. The test was continued for 8 hrs. Ingress of talcum powder is verified by using the watch glass installed at the centre of the base of the protected space of the enclosure in order to pick up the talcum powder entering the protected space during the test.

1.1 After the test the following observation was made.

i) Negligible amount of dust less than 1g/m^2 was found on bottom surface of the enclosure.

2.0 IP X5 Test: (Protection against water jets Cl. No. 14.2.5 & 14.3 of IEC 60529-2001)

The sample was kept as in normal use. The unit was subjected to a stream of water from a nozzle of 6.3 mm inner diameter from all practically possible directions at a delivery rate of 12.5 l/min. The distance between nozzle and equipment was maintained approximately 3.0 m. The test was continued for 3 minutes. Ingress of water is verified by the absorbent paper positioned to occupy the base area of each protected space. The paper should project from the surface equal to the depth of the protected space or a maximum of 30 mm.

2.1 After the test following observation was made.

i) No water was found inside the enclosure.

Prepared by

Checked by



ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : <http://www.erda.org>



Test report no.: LIPS/604

Date: 26/02/2013



Photograph No.: 109799/01/1

ENCLOSURE



0881040

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

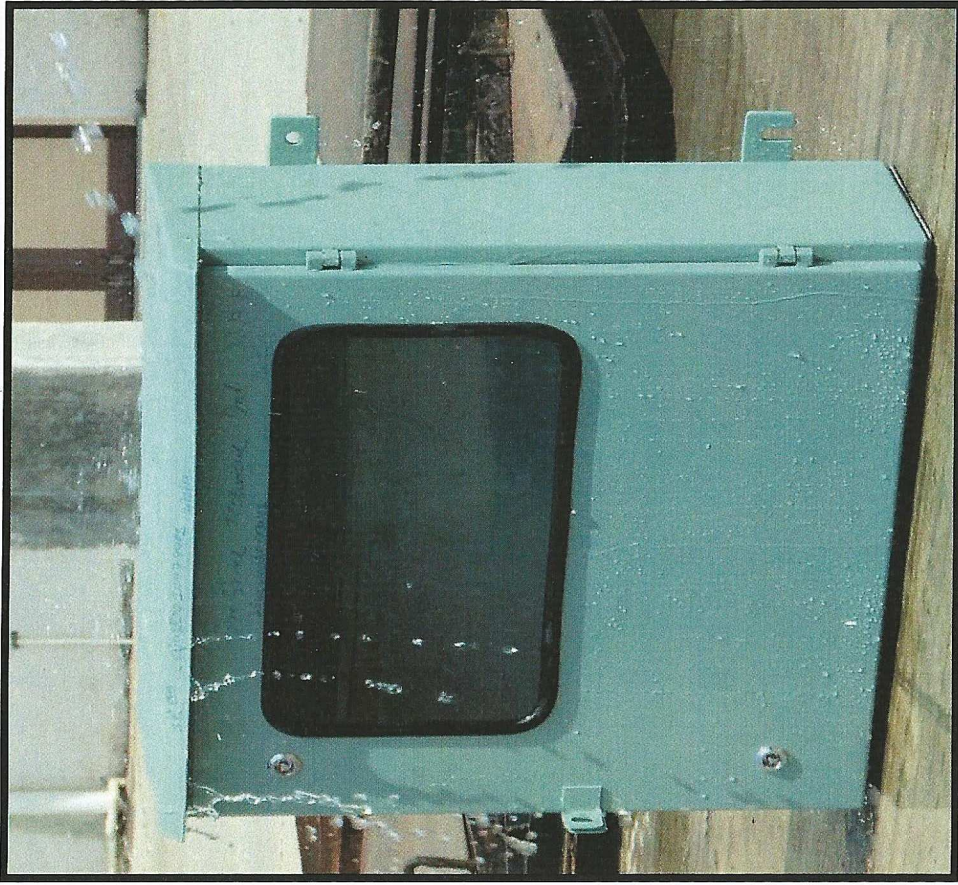
Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : <http://www.erda.org>



Test report no.: LIPS/604
Date: 26/02/2013



Photograph No.: 109799/01/2

ENCLOSURE

0881041

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

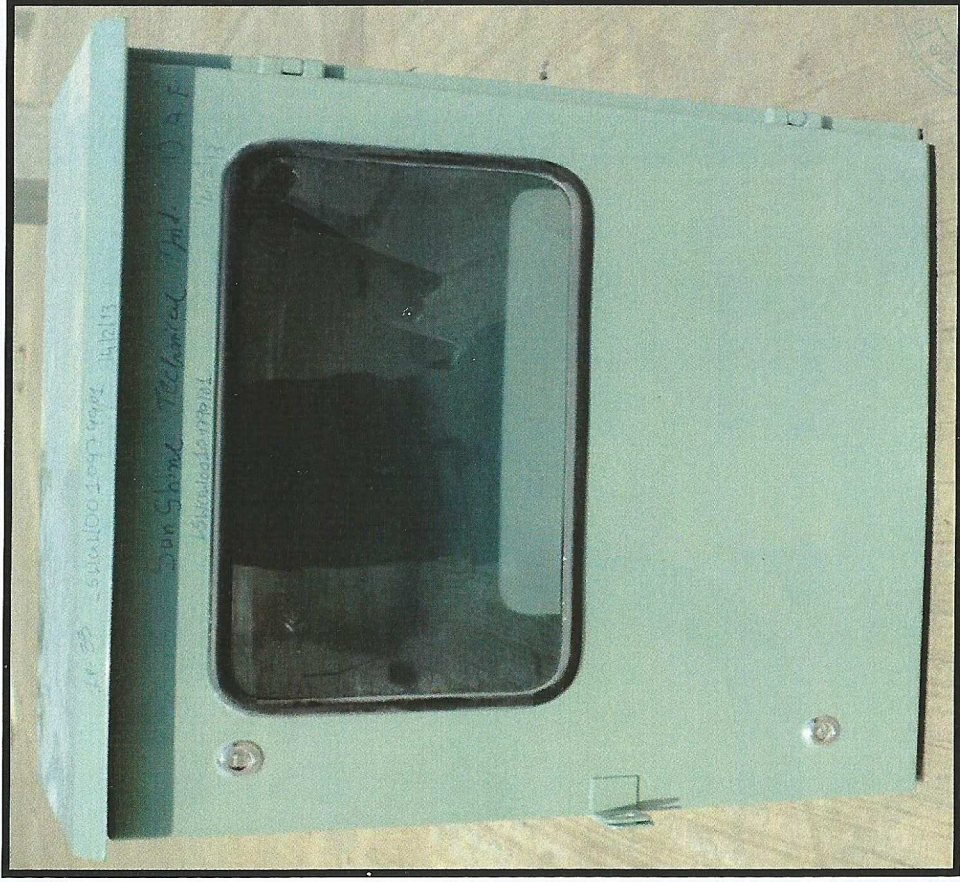
Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : <http://www.erda.org>



Test report no.: LIPS/604
Date: 26/02/2013



Photograph No.: 109799/01/3

ENCLOSURE



0881044

SUNSHINE TECHNICAL INDUSTRIES & Trading CO.AJMAN FZE.

Title name:-

Enclosure 600x600x210

Job.

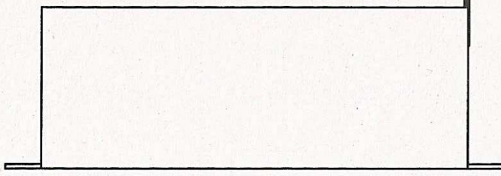
DWG. Ref: S-1226-13

Drawing on date: 02/01/2013.

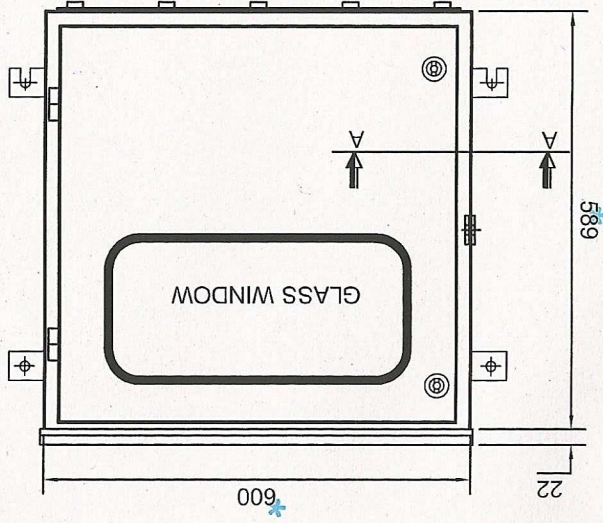
Revision:- 00

Drawing by:-praveen suyal
Checked by:-Anwar shaikh
Approved by:-Ramesh. G.
Scale, Scale
All Dim Are in mm

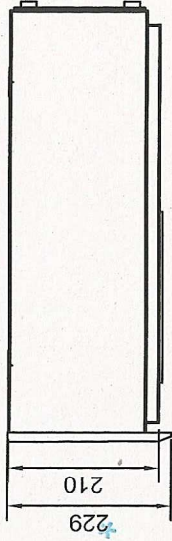
TOP VIEW



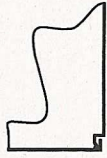
FRONT VIEW



SIDE VIEW



SECTION: A-A



NOTE :

- 1) ENCLOSURE SIZE : 600H X 600W X 210D
- 2) PROTECTION CLASS : IP55
- 3) MATERIAL : 2mm G.I. STEEL SHEET.
- 4) FINISH : POWDER COATED.

Test Report No. 2115 / 604
Date : 26/12/13
Product : Enclorbut
Verified By : J. G. J.
Verification of this drawing by ERDA is limited to relevant dimensional checks only. *
Verified dimensions are marked with.