

# CENTRAL POWER RESEARCH INSTITUTE

## TEST REPORT



CPRI

Test Report Number: CPRIBLREATD18T0281

Dated: 15.10.2018

**Name & Address of the Customer** : M/s. Shri Vaari Electricals (P) Ltd.,  
C-37, Thiru-vi-ka Industrial Estate,  
Guindy, Chennai – 600032.

**Name & Address of the Manufacturer** : M/s. Shri Vaari Electricals (P) Ltd.,  
C-37, Thiru-vi-ka Industrial Estate,  
Guindy, Chennai – 600032.

**Particulars of sample tested**

Condition of the sample on Receipt : Good  
Type : Indoor  
Description of test sample : Main MV Panel.  
Serial Number : SVE/CT/002  
Number of samples tested : One only  
Date (s) of Test (s) : 12.10.2018  
CPRI sample code no(s) : HRTL1819S0046

**Particulars of tests conducted**

Test in accordance with Standard / specification : IP 4X Test as per IEC 61439 Clause 8.2.2 and 10.3 i.e. as per IEC 60529 Edition 2.2, 2013-08 Standard, Clause 13.2. Clause 13.2.

Sampling Plan : Not applicable

Customer's requirement : 1. IP 4X Test as per IEC 61439 Clause 8.2.2 and 10.3 i.e. as per IEC 60529 Edition 2.2, 2013-08 Standard, Clause 13.2.  
2. Ingress of  $\Phi$ 1.0 mm rigid steel rod (IP4X).

Deviations if any : -Nil-

**Name of the witnessing persons**

Customer's representative : Mr. F. Mohamed Yahoob, Design Engineer,  
Mr. B. Jagan Mohan, General Manager.

Other than customer's representatives : None


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 drawing : Four only. Drawing No. SVEPL/CPRI/IP/01  
Sheet 1 of 4, Sheet 2 of 4, Sheet 3 of 4 and Sheet 4 of 4.

  
(D VENKATESH)  
Test Engineer



  
(Dr. P. CHANDRA SEKHAR)  
Head of Division  
Approved by

ULR-TC5452180EADT0281F

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## TEST RESULTS:

SL. NO.	PARTICULARS		OBSERVATIONS/VALUES OBTAINED
	TESTS CONDUCTED	REFERENCE CLAUSE	
1.0	IP 4X test as per IEC 61439 Clause 8.2.2 and 10.3 i.e. as per IEC 60529 Edition 2.2, 2013-08 standard.	<b>Clause 13.2</b> Protection against access to solid foreign objects – Insertion of Test Probe of 1.0 <sup>+0.05</sup> mm dia.	Rigid steel rod of $\Phi 1.0^{+0.05}$ mm, with edges free from burrs, applied with a due force of $1N \pm 10\%$ against all openings provided, and the steel rod did not penetrate nor pass through any of the openings provided on the "Main MV Panel" Enclosure.  <b><u>"Protection is Satisfactory"</u></b>

  
(D VENKATESH)  
Test Engineer