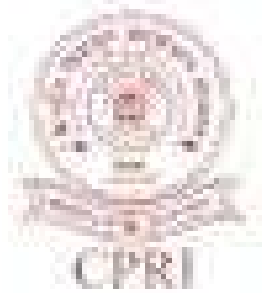


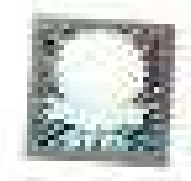
**CENTRAL POWER RESEARCH INSTITUTE**


**TEST REPORT**

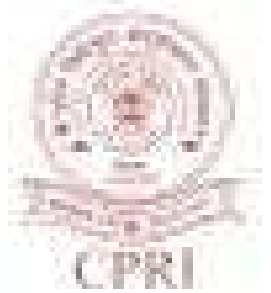


Test Report Number	CPRI/DA/PT/24/0182	Date: 26 March 2024
Name and Address of the Customer	M/s. Powerco Switchgear LLP Plot No-1075, MIDC Industrial Area Phase, Near Mundal-400731	
Name and Address of the Manufacturer	M/s. Powerco Switchgear LLP Plot No-1075, MIDC Industrial Area Phase, Near Mundal-400731 Dist. N. Tal. A.L.T. Phase	
Particulars of Sample tested	Type: Indoor & Outdoor CB Description of test sample: Rate Sheet 2 of 6 Serial Number: P304071011102 Number of Sample tested: One Date(s) of testing: 21 & 22 March 2024 CPRI sample code number(s): 1024/102450172 Particulars of test(s) conducted: Rate Sheet 2 of 6 Test in accordance with Standard Specification: IS/IEC 61439 Part-1, 2011 & IS/IEC 61439 Part-2, 2011 Sampling Plan: Nil Customer's Requirement: Nil Deviations, if any: Nil Name of the witnessing persons: Nil Customer's Representative: Mr. Anil Bhatia Other than Customer's Representative: Nil Test subcontracted with address of the laboratory: Nil Comments constituting this report (in words): Number of Sheets: Five Number of Photographs: Nil Number of Diagrams: Nil Number of Photographs: One Number of Test Circuit Diagrams: Nil Number of Drawings: One	

  
 (Mangeshkar Singh)  
 Test Engineer



  
 M. K. Jaiswal  
 Head of Division  
 Reviewed and Authorized by




Test Report Number: CPRI/NO/2024/0182

Date: 28 March 2024

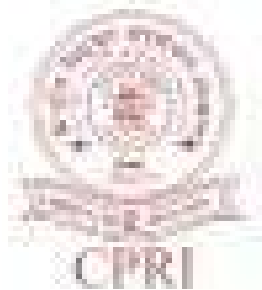
**DESCRIPTION OF THE SAMPLE TESTED**

As assigned by the manufacturer

Service	1. L.T. Panel
Rated voltage (kV)	2. 4 kV
Rated current (Amps)	3. 100
Frequency (Hz)	4. 50
Insulation Level	5. 0.90 kVrms
No. of Phases	6. 2 Phase
Dimension of Equipment (mm)	7. 500 mm x 500 mm x 200 mm



Rajeshwar Singh  
Test Engineer



Test Report Number: CPRIHQ/MT/2476/193

Date: 26 March 2024

## SUMMARY OF TESTS CONDUCTED

1. Tests conducted: Degree of Protection: IP-66
2. Rating for which tested: 1) Protection against solid foreign body: IP-66  
2) Protection against ingress of water: IP-66
3. Schedule of tests:

Tests Conducted	Class Numbers	Sheet
Degree of Protection: IP-66	IEC 60529 (EN60529) Part 1: 2011 & IEC 60332 (Part 2): 2011	4 of 5

4. Oscillogram reference: 66
5. Sample Numbers: 66
6. Prepared by: CPRIHQ/MT/2476/193/193
7. Test Circuit Diagram Numbers: 66
8. Drawing Numbers: As given below

## Drawing Number

The manufacturer has guaranteed that the sample submitted for the study has been manufactured in accordance with the following drawing

Sl. No.	Drawing Number	Sheet Number	Revision Number
1	PS24CPRI.MTL-03	1 of 1	-

It is verified that these drawings adequately represent the sample tested. Verification of this drawing by CPRI is limited to dimensional check only wherever possible.

Manoj Kumar Singh  
Test Engineer



Test Report Number: CPRI/SG/ADR/24/18-012

Date: 20 March 2024

**TEST RESULTS**

Test conducted:

Degree of Protection: IP-55

1) Degree of Protection IP-55

Date of test:

21 March 2024

Condition of the sample before test:

New

**Test Details**

Test Description	Differential Pressure	Test Duration
The test sample is placed inside a closed chamber in which fabric cover (mounted) is monitored or supervised by air current at per standard	NA	5 Hours

Observation: No traces of fabric cover was observed inside the sample after IP-55

2) Degree of Protection IP-55

Date of test: 22 March 2024

Test details: The sample was watered from all the directions by means of fine nozzle with a diameter of 4.5mm held at distance of 2 meters, delivery rate being maintained at 12.5 litres per minute as per standard. Test duration was 30 minutes

Observation: No traces of water observed inside the sample after IP-55 test

Conclusion: The sample tested complies with the requirement of clause no. 18.3 of IS/IEC 61436 (Part-1) 2011 & IEC 61436 (Part-2), 2011, for the test conducted.

**Manoj Kumar Singh**  
Test Engineer

# CENTRAL POWER RESEARCH INSTITUTE

## TEST REPORT



Test Report Number: CPRIHQ/RY/24T/0102

Date: 26 March 2024

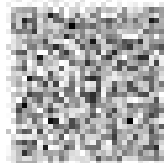
### NOTE

- CPRI is responsible for the test results made only to the concerned subject.
- Publication or reproduction of this Test Report/Test Certificate or any form other than the complete set of the whole Test Report/Test Certificate and in the language written is not permitted without the written consent of CPRI.
- Any Correspondence shall be addressed to the Test Report/Test Certificate.
- ISIRI has accredited this laboratory as per ISO/IEC 17025:2017 with certificate no TC-0203 for the tests carried out.
- Any discrepancy/complaint in the Test Report/Test Certificate should be brought to the notice of CPRI within 30 days from the date of issue.



TC-0203

  
Manoj Kumar Singh  
Test Engineer



End of Test Report