

TEST REPORT



CENTRAL POWER RESEARCH INSTITUTE

(A Govt. of India Society)

Regional Testing Laboratory

3A, Institutional Area, Sector - 62

Noida - 201 309

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



Test Report Number : CPRINOAHVMISC25T0732 **Date:** 10 November 2025

Name and Address of the Customer : M/s. PVJ Power Solutions Private Limited
Nasrali, Dabhota, Solan
Himachal Pradesh – 174101.

Name and Address of the Manufacturer : M/s. PVJ Power Solutions Private Limited
Nasrali, Dabhota, Solan
Himachal Pradesh – 174101:

Particulars of sample tested : 415 V, 4000 A, 3 Phase, LT Panel (Power cum motor control center)

Type : Main Distribution Panel

Description of test sample : Refer Sheet 2 of 6

Serial Number : PVJ/TEST/2503

Number of samples tested : One

Date(s) of Test(s) : 03 November 2025

CPRI Sample code Number(s) : NOAHV25S0775

Particulars of tests conducted : Refer sheet 3 of 6

Test in accordance with : As per customer requirements

Standard/Specification

Sampling Plan : Nil

Customer's Requirement : 1. Maximum temperature rise on busbar & busbar joints shall be $\leq 70K$
2. Temperature rise limits and clearance & creepage distances tests to be conducted following the general procedure of IS/IEC 61439-1: 2020 & IS/IEC 61439-2: 2020

Deviations if any : Nil

Name of the witnessing persons

Customers representative : Nil

Other than customer's representatives : Nil

Test subcontracted with address of the laboratory : Nil

Documents constituting this report (in words)

Number of Sheets : Six

Number of Oscillogram(s) : Nil

Number of Graph(s) : Nil

Number of Photograph(s) : One

Number of Test Circuit Diagram(s) : Nil

Number of Drawing(s) : Four


(Satish Kumar)
Test Engineer




(L.N. GIRI)
Engineering Officer Gr. 4
Reviewed and Authorized by

CENTRAL POWER RESEARCH INSTITUTE

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DESCRIPTION OF SAMPLE TESTED (As assigned by the manufacturer)

Sample	: LT Panel (Power Cum Motor Control Center)
Rated voltage (Volts)	: 415
Rated current (Amps)	: 4000
Frequency (Hz)	: 50
Insulation level	: 690 V
No. of Phase	: 3 PH+N
Rated Short Time Current	: 70 kA _{rms} for one second with initial peak of 154 kA _{peak}
Pollution Degree	: 3
Material Group	: IIIa


(Satish Kumar)
Test Engineer