



ELECTRICAL POWER RESEARCH LABORATORY

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
(Recognized by Bureau of Indian Standards (BIS), Govt. of India)

Plot No.25, Aatmiya Brookfieldz Ind. Park, At. Untiya (Kajapur) Village, Near Por Village, Vadodara - 391 240 Gujarat, India.
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TC-11921



TEST REPORT

Name & Address Of Customer M/s. PVJ POWER SOLUTIONS Vill. Nasrali, P.O. Dabhota, Nalagarh, Solan - 174101, Himachal Pradesh India		Report No.: EPRL/TR/2024/168 ULR No. : TC119212400000256F Date : 23-08-2024	
		Customer's Ref. No.: PVJ/24-25/250011/01	
		Dated: 03-08-2024	
		Date of sample receipt : 14-08-2024	
		Condition on Receipt : GOOD	
		Location of Testing : EPRL Lab, Vadodaaar	
		Date Of Testing: 21-08-2024	
Sample Descriptions		Sample Identification	
Name : 3 Ph Dry Type Cast resin Transformer Make : M/s. PVJ POWER SOLUTIONS Standard : IS 2026 (Part 11): 2021 Rating : 2500 kVA Voltage : 11000 / 433 V Phases : 3 Further details as per page no. 2.		EPRL Sample Code No.: EPRL/2024/154 Serial No. PVJ-46051	
Test details As per page no. 3		Test Specification As per page no. 3	
Photographs:	As Per Page no. 17		
Drawing No.:	1) PVJ/STD18/24, REV. 02, SHEET NO.02 2) PVJ/STD18/24, REV. 00, SHEET NO.01		
Remarks:	The transformer conform to the requirements of above mentioned standard for the test no. 1.		
 PREPARED BY  REVIEWED BY S.B. Diwan  AUTHORIZED BY S.B. Diwan			
NOTE: 1. This report relates only to the particular sample received for testing in good condition at EPRL. 2. This report cannot be reproduced in part under any circumstances. 3. Publication of this report requires prior permission in writing from Directors, EPRL. 4. Only test asked for by 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 arised.			
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Report No.: EPRL/TR/2024/168
Date : 23-08-2024

ULR No. : TC119212400000256F

Sr No. TECHNICAL SPECIFICATION OF SAMPLE ASSIGNED BY CUSTOMER

1	Name of Manufacturer	: M/s. PVJ POWER SOLUTIONS
2	Test Sample	: 3 Ph Dry Type Cast resin Transformer
3	Standard No.	: IS 2026 (Part 11): 2021
4	Serial No.	: PVJ-46051
6	Type	: Cast Resin
7	Rating	: 2500 kVA
8	Rated voltage at no load H.V./L.V.	: 11000 / 433 V
9	Rated current at H.V./L.V.	: 131.21 / 3333.33 A
10	Number of phases	: 3
11	Connection H.V./L.V.	: Delta / Star
12	Frequency	: 50 Hz
13	Type of cooling	: AN / AF
14	Temperature rise of Winding	: 90 °C over an ambient of 50 °C
15	Percentage Impedance @ 120 °C	: 6.25%
16	Winding Material	: Copper
17	Vector group	: Dyn11
18	Year of manufacture	: 2024
19	B.I.L. of H.V.	: 75 kVp / 28 kV rms
20	B.I.L. of L.V.	: --- / 3 kV rms
21	Max. Total Losses at 50% load @120 °C	: 6500 W
22	Max. Total Losses at 100% load @120 °C	: 20000 W
23	Customer Name	: CPWD INDORE
24	Tapping Details	:

Tap no.	HV Winding (Volts)	LV Winding (Volts)
1	11550	433
2	11275	433
3	11000	433
4	10725	433
5	10450	433
6	10175	433

PREPARED BY

REVIEWED BY

