



(BIRLA GROUP OF COMPANIES)

ECE INDUSTRIES LTD.
(TRANSFORMER DIVISION)
DELHI ROAD, SONEPAT-131001
NABL ACCREDITED LAB ISO / IEC 17025:2017



Certificate No
TC-6922

TEST REPORT

Page : 1 of 09

TEST REPORT NO. - ECE/F/2026/093 Dt .25.05.2026**ULR No. -**TC692226000000093F**TEST REPORT DETAILS**

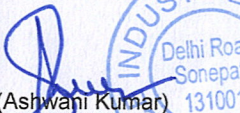
1) Name of Customer	PVJ POWER SOLUTIONS PVT LTD. Nalagarh - Dhabota, Bharatgarh Rd, Nalagarh, Himachal Pradesh 174101
2) Customer Reference Number	Test Request Dated : 22.05.2026 Challan No - ECE / RETURN /11 dated 25.05.2026
3) Sample Description	1400 kVA, 11/0.800 kV, Cu Wound, Oil Filled
4) Manufacture	PVJ POWER SOLUTIONS PVT LTD.
5) Condition of Samples(when received)	GOOD
6) Sealing detail (if Any)	NA
7) Reference Specification	IEC 60076 Part -3
8) Discipline	Electrical Testing
9) Group	Inductors & Transformers
10) Serial Number	PVJ IN 42237
11) QR Code (if Any)	NA
12) Job ID.	TC692226000000093F
13) Year of Manufacturing	2026
14) test to be conducted	Type test
15) Test Method & Procedure	IEC 60076 Part -3
16) Date of Starting of Tests (DD/MM/YYYY)	25.05.2026
17) Date of Completion of Tests(DD/MM/YYYY)	25.05.2026
18) Sample Receipt date (DD/MM/YYYY)	25.05.2026
19) Test Witnessed By	Mr. Sunil Kumar (NVVN) Noida, Mr. Naga Verendra Kasam (NTPC Solapur), Mr. Pankaj Mishra (KSTPL) and Mr. Ravi Sharma, Jr. Engineer (PVJ Power Solutions Pvt. Ltd.)
20) Enclosure (IF Any)	i) Name plate Drawing no :- TP17/01/26 ii) GA Drawing No:- TP/17/01/26
21) Whether the results conform to specification	The Sample Conforms the requirements for test carried out as per IEC 60076 Part -3

ENVIRONMENTAL CONDITIONS DETAIL

Temperature °C
 :- 25 ±5

Relative Humidity %
 30-50

Remarks : 1) Tests done & observed values are given in subsequent sheets.
 2) Test Results relate only to the sample Tested.
 3) This test report cannot be reproduce in part under any circumstances.

Tested By	Reviewed/Authorised By	Witnessed By
 (Ashwani Kumar) TM (Testing) ECE Industries Ltd.	 (Sandeep Kumar) AM (Testing) ECE Industries Ltd.	(Sunil Kumar) NVVN, Noida Consultant (Nagaveerendhar Kasam) Sr. Manager NTPC Solapur (Pankaj Kumar Mishra) AGM KSTPL (Ravi Sharma) PVJ Power Solution Pvt Ltd Baddi



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TECHNICAL SPECIFICATION OF TEST SAMPLE DECLARED BY CUSTOMER

1	Rating	1400 kVA
2	HV rated Voltage	11000 Volts
3	LV rated Voltage	800 Volts
4	HV rated Current	73.48 Amp
5	LV rated Current	1010.36 Amp
6	BIL HV	AC - 28kVrms , LI- 75 KVp
7	BIL LV	AC - 10 kV _{rms}
8	Number of Phases	3 Phase
9	Connection (HV/LV)	Delta /Star
11	Vector group	Dy ₁₁
12	Frequency	50 Hz
13	Impedance Voltage	6% (Tol. as per $\pm 10\%$)
14	Type of Cooling	AN
15	Temprature rise oil	50°C
16	Temprature rise Winding	55°C
17	Number of tapping	9 tap @ 2.5 % STEPS FROM +10 % TO -10 %
18	Type(Seal / Non -Sealed)	Non Sealed

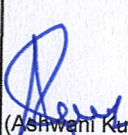
DETAIL OF TEST CONDUTED

Pages No

1	Routine test		
2	Type test	1) Lightning Impulse Test	3-09
3	Special test		
4	Customer Requirements		

Tested By

Reviewed/Authorised By


 (Ashwani Kumar)
 TM (Testing)
 ECE Industries Ltd.


 (Sandeep Kumar)
 AM (Testing)
 ECE Industries Ltd.

(Sunil Kumar)
 NVVN, Noida
 Consultant

(Nagaveerendhar Kasam)
 Sr. Manager
 NTPC Solapur

(Pankaj Kumar Mishra)
 AGM
 KSTPL

(Ravi Sharma)
 PVJ Power Solution Pvt Ltd
 Baddi



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Photographs

DISTRIBUTION TRANSFORMER
PVJ POWER
DABHOTA INDUSTRIAL AREA
NALAGARH H.P.-174101
WWW.PVJPOWER.IN Mob.-91-9816638097

marketing@pvjpower.in

PHASE	3	APPLICATION	IDT
STANDARD	IS 2026	WINDING MATERIAL	Cu
RATING	KVA 1400	NO LOAD LOSS W	1400
VOLT AT	HV 11000	LOAD LOSS W	12600
NO LOAD	L V 800	TYPE OF COOLING	KNAN
BIL	HV 175AC-28KV	TEMP RISE OIL °C	50
	L V 140AC-18KV	WDG °C	55
CURRENT	H V 73.48	MASS OF OIL KG	1350
(AMP.)	L V 1010.36	TOTAL MASS KG	5490
FREQUENCY	Hz 50	VOL OF OIL LTRS.	1350
VECTOR GROUP	Dy11	MONTHS/YEAR OF MFG.	7/2026
IMPEDANCE VOLT %	6.00 ± 10%	SERIAL NUMBER	
TAPPING	OCTC	ORDER NO	
FOR HV VARIATION	2.5 % STEPS FROM	+10% TO -10%	
CUSTOMER			

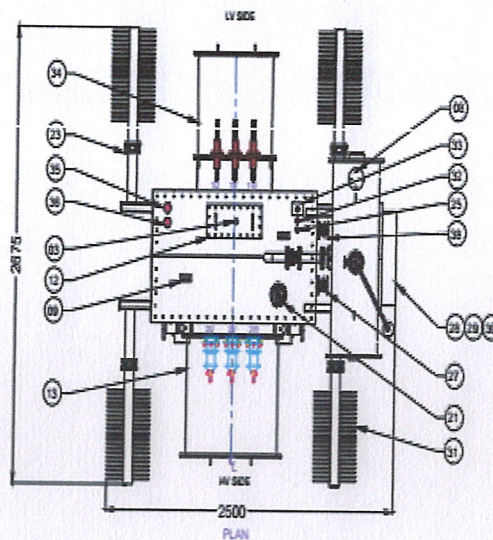
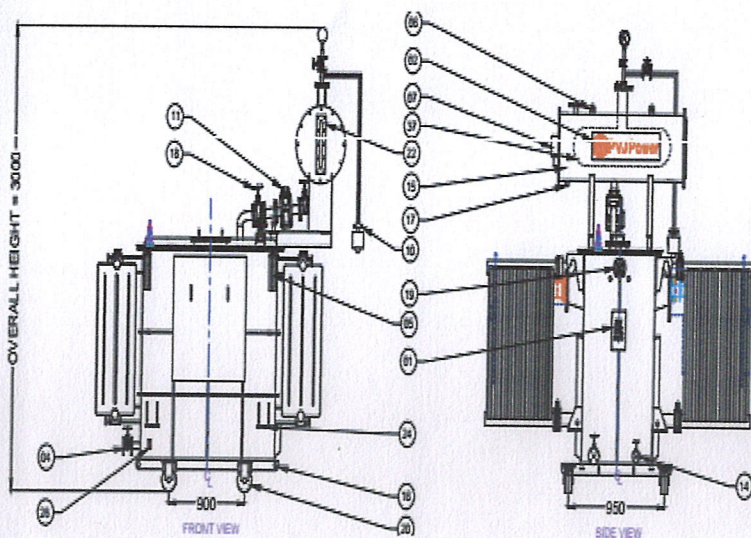
DE-ENERGIZE TRANSFORMER BEFORE OPERATING SWITCH TURN WHEEL TO REQUIRED TAP POSITION

SWITCH POSITION	CONNECTION	HV VOLTAGE (VOLTS)	LV VOLTAGE (VOLTS)
1(MAX)	7-8	12100	800
2	8-6	11825	800
3	6-9	11550	800
4	9-5	11275	800
5(NOR)	5-10	11000	800
6	10-4	10725	800
7	4-11	10450	800
8	11-3	10175	800
9(MIN)	3-12	9900	800

MADE IN INDIA

CONNECTION DIAGRAM

VECTOR DIAGRAM



Tested By _____ Reviewed/Authorised By _____

(Ashwani Kumar)
TM (Testing)
ECE Industries Ltd.

(Sandeep Kumar)
AM (Testing)
ECE Industries Ltd.

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