



(BK 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/2026/094 Dt .25.05.2026

ULR No. -TC692226000000094F

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	1800 kVA, 11/0.800 - 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	Electrcial Testing
9) Group	Inductors & Transformers
10) Serial Number	PVJ IN 44134
11) QR Code (if Any)	NA
12) Job ID.	TC692226000000094F
13)Year of Manufacring	2026
14) test to be conduted	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 Reciept 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 :- TP-17/01/26 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

ENVIROMENTAL CONDITIONS DETAIL

Temperature °C
 :- 25 ±5

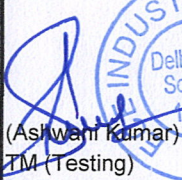
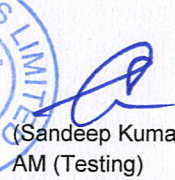
Relative Humidity %
 30-50

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	
---	--	---	--	--	--



(BK 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 : 2 of 09

REPORT NO. - ECE/F/2026/094 Dt .25.05.2026 ULR No. -TC692226000000094F

TECHNICAL SPECIFICATION OF TEST SAMPLE DECLARED BY CUSTOMER

1	Rating	1800 kVA
2	HV rated Voltage	11000 Volts
3	LV rated Voltage	800 - 800 Volts
4	HV rated Current	94.48 Amp
5	LV rated Current	649.53 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 Y ₁₁
12	Frequency	50 Hz
13	Impedance Voltage	8 % (Tol. as per ±10%)
14	Type of Cooling	ONAN
15	Temperature rise oil	50°C
16	Temperature 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

(Pankaj Kumar Mishra)
 AGM
 KSTPL

(Nagaveerendhar Kasam)
 Sr. Manager
 NTPC Solapur

(Ravi Sharma)
 PVJ Power Solution Pvt Ltd
 Baddi



(BK BIRLA GROUP OF COMPANIES)

ECE INDUSTRIES LTD.
(TRANSFORMER DIVISION)
DELHI ROAD, SONEPAT-131001

NABL ACCREDITED LAB ISO / IEC 17025:2017



Certificate No
TC-6922

Photographs

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

marketing@pvj.power.in

PHASE	3	APPLICATION	IDT
STANDARD	IS 2026	WINDING MATERIAL	Cu
RATING KVA	1800	NO LOAD LOSS W	1800
VOLT AT H V	11000	LOAD LOSS W	16200
NO LOAD L V 1&2	800	TYPE OF COOLING	KNAN
BIL H V	L175/AC-28KV	TEMP RISE OIL °C	50
L V 1&2	L140/AC-10KV	WDG °C	55
CURRENT H V	94.48	MASS OF OIL KG	1650
(AMP.) L V 1&2	649.6	TOTAL MASS KG	6200
FREQUENCY Hz	50	VOL OF OIL LTRS.	1650
VECTOR GROUP	Dy11y11	MONTH&YEAR OF MFG.	/2026
IMPEDANCE VOLT %	8.00 ± 10%	SERIAL NUMBER	
TAPPING	OCTC	ORDER NO	
FOR HV VARIATION	2.5 % STEPS FROM +10% TO -10%		
CUSTOMER			

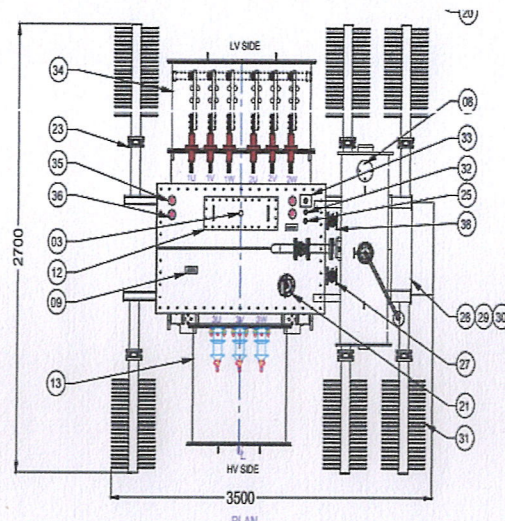
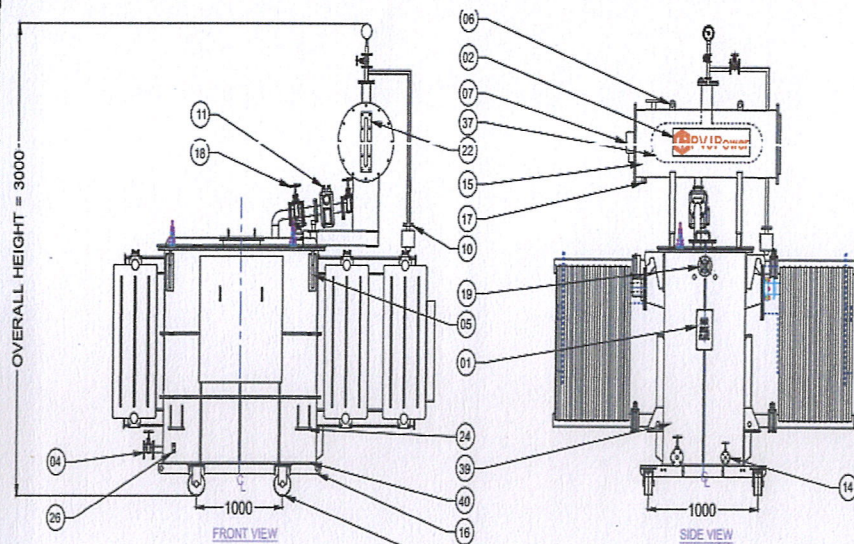
DE-ENERGIZE TRANSFORMER BEFORE OPERATING
SWITCH TURN WHEEL TO REQUIRED TAP POSITION

SWITCH POSITION	CONNECTION	HV VOLTAGE (VOLTS)	LV1&2 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	09900	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.