TC-14456

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
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TEST REPORT RP-2526-038430

ULR: TC1445626000004243F **SHEET** : 1 of 6

NAME AND ADDRESS OF CUSTOMER	**REPORT NO.:** RP-2526-038430 **DATE OF ISSUE:** 12-02-2026	
PVJ POWER SOLUTION PVT. LTD. VILLAGE NASRALI, P.O. DABHOTA TEHSIL NALAGARH, DISTT. SOLAN SOLAN-174101 HIMACHAL PRADESH, INDIA.	**CUSTOMER REF.NO.**	**DATE**
	PVJ/117/2026	03-02-2026
	DATE OF SAMPLE RECEIPT	**DATE OF TESTING**
	10-02-2026	10-02-2026

SAMPLE DESCRIPTION
(As provided by customer)
(Cast resin) Dry Type Transformer
Manufactured by :PVJ Power Solution Pvt. Ltd., Nalagarh.

Rating	: 1600 KVA
Volts	: 33000/415 Volts (at no-load)
Current	: 27.99/2225.99 Amps.
Phases	: 3/3
% Impedance	: 6.25 % (±10%)
Frequency	: 50 Hz
Winding	: Copper
Vector group	: Dyn11
Cooling	: AN

Guaranteed maximum total losses @ 50% : 7500 W
Guaranteed maximum total losses @ 100% : 18000 W
Guaranteed maximum temperature-rise of winding : 90°C

SAMPLE IDENTIFICATION
ERDA sample code no.:
WO-2526-016846/01
Manufacturer serial number:
PVJ-IN44128
Year of manufacture : 2026

Enclosed drawing numbers :
1) TP01/09/25 Rev.0 Sheet 1 of 1

TEST DETAILS	**TEST SPECIFICATION**
As per sheet 2 of 6.	As per sheet 2 of 6.

TEST RESULTS : As per sheets from 3 of 6 to 5 of 6.

ENCLOSURE : Photographs of test sample – As per sheet 6 of 6.

Witnessed By: Pratyush Dabhar, Asst. Manager, PVJ Power Solution Pvt. Ltd., Nalagarh.

REMARKS : 1) The transformer **conforms** to the guaranteed requirement as per above mentioned test specification for above mentioned test no. 1.
2) Criteria limit has not been specified for test no. 2.

CHECKED BY

APPROVED BY
(Sandeep Kumar)

Note:
1. This report relates only to the particular sample received for testing in good condition at M/s. PVJ Power Solution Pvt. Ltd., Nalagarh.
2. This report cannot be reproduced in part under any circumstances.
3. Publication of this report requires prior permission in writing from Director, ERDA.
4. This report shall not be used for any purpose such as PR brochures, propaganda, advertisement and/or legal proceedings, unless for the granted purpose.
5. Only the tests asked for by the customer have been carried out.
6. Particulars of manufacturer/supplier, given in this report are based on information supplied by the customer, along with the test request/sample. ERDA does not assume any responsibility for the correctness of the information for above mentioned Sample Under Test (SUT). ERDA will not be responsible for any changes in SUT made after the test. This test report is given as per instrument status while testing.
7. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arised.

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TC 0092331

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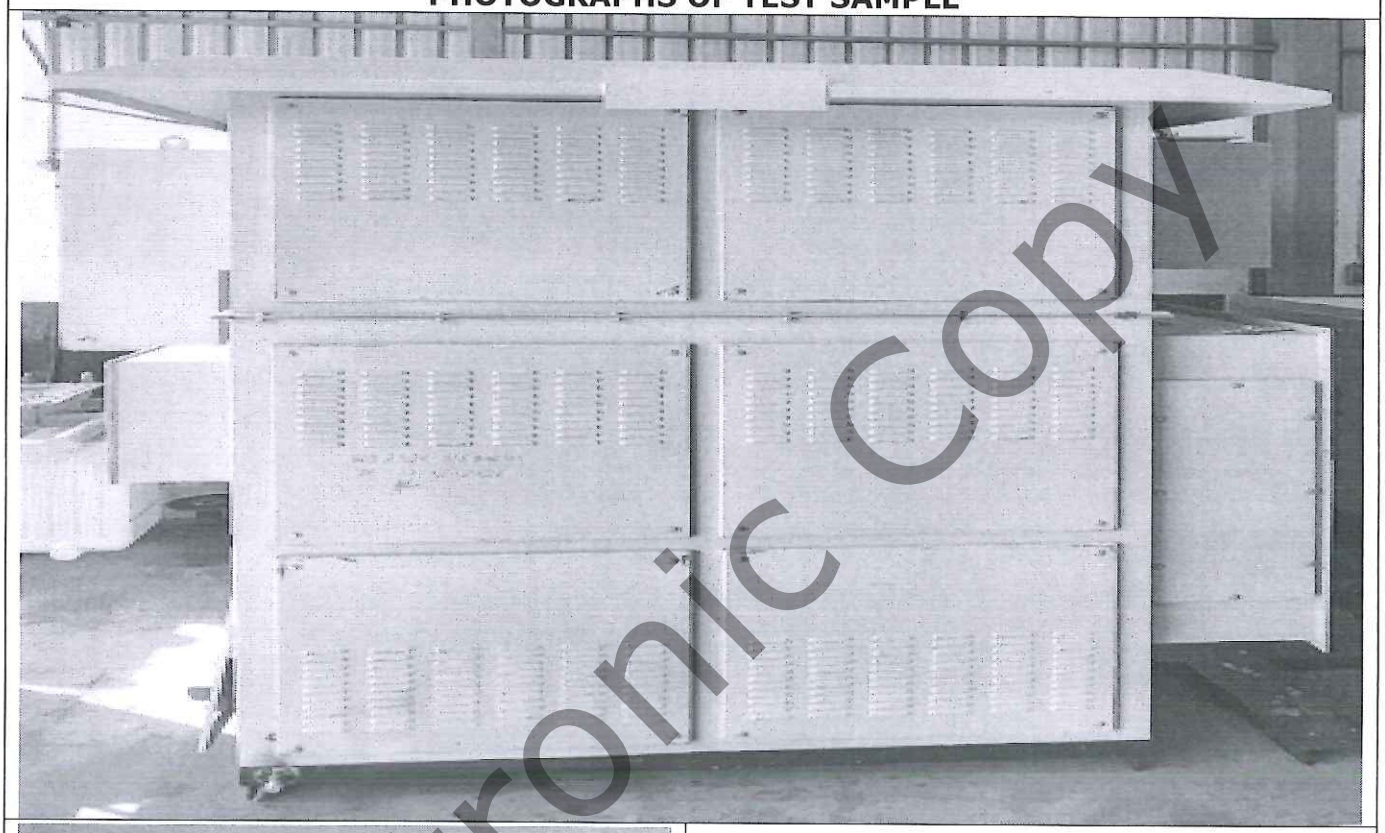
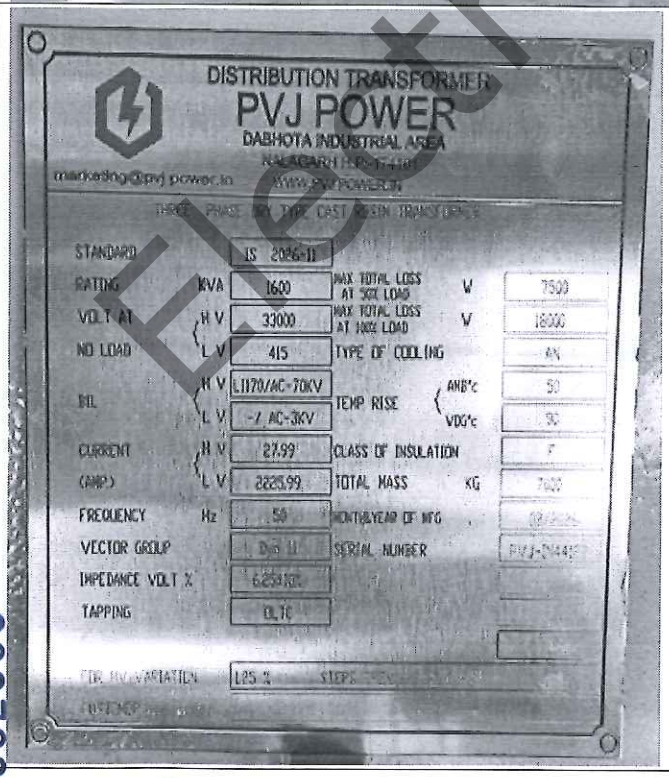
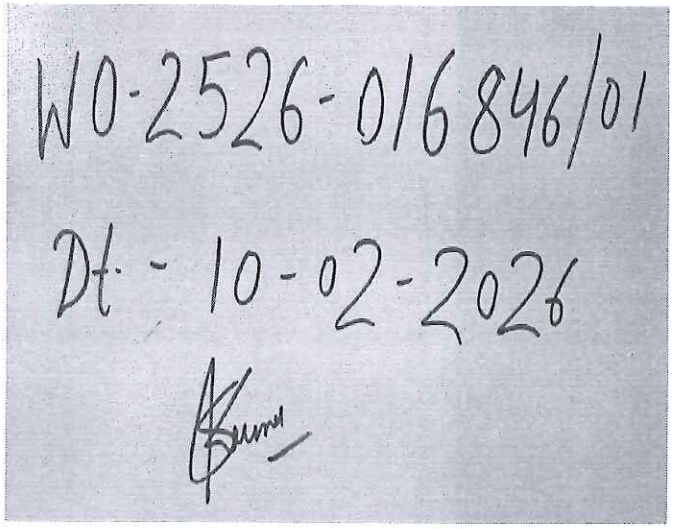
REPORT NO.: RP-2526-038430 **SHEET :** 6 of 6
DATE OF ISSUE: 12-02-2026

PHOTOGRAPHS OF TEST SAMPLE







TC 0092336

CHECKED BY

***** End of Test Report *****

DISTRIBUTION TRANSFORMER

PVJ POWER

BARHOTA INDUSTRIAL AREA
NALAGARH (H.P.) 174101
WWW.PVJPOWER.IN
marketing@pvjpower.in Mob: +91-9816538997

THREE PHASE DRY TYPE CAST RESIN (VACUUM) TYPE

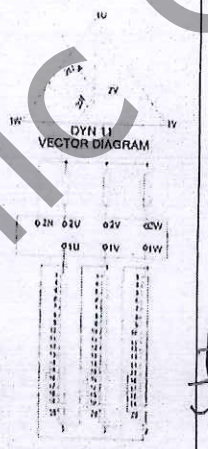
STANDARD		IS 2026-11			
RATING	KVA	1600	MAX. COPPER LOSS AT 75% LOAD	W	7500
VOLTAGE	HV	33000	MAX TOTAL LOSS AT 100% LOAD	W	18000
NO LOAD	LV	415	TYPE OF COOLING		AN
BIL	HV	LIT70/AC-70KV	TEMP RISE	AMPS	50
	LV	7 AC-3KV		WDG	90
CURRENT (AMP)	HV	27.99	CLASS OF INSULATION		F
	LV	2226.99	TOTAL MASS	KG	7000
FREQUENCY	Hz	50	MONTH/YEAR OF M/C		12025
VECTOR GROUP		Dyn 11	SERIAL NUMBER		
IMPEDANCE VOLT %		6.25±10%			
TAPPING		OLTC			

FOR HV VARIATION 1.25 % STEPS FROM +5%TO-15%

CUSTOMER

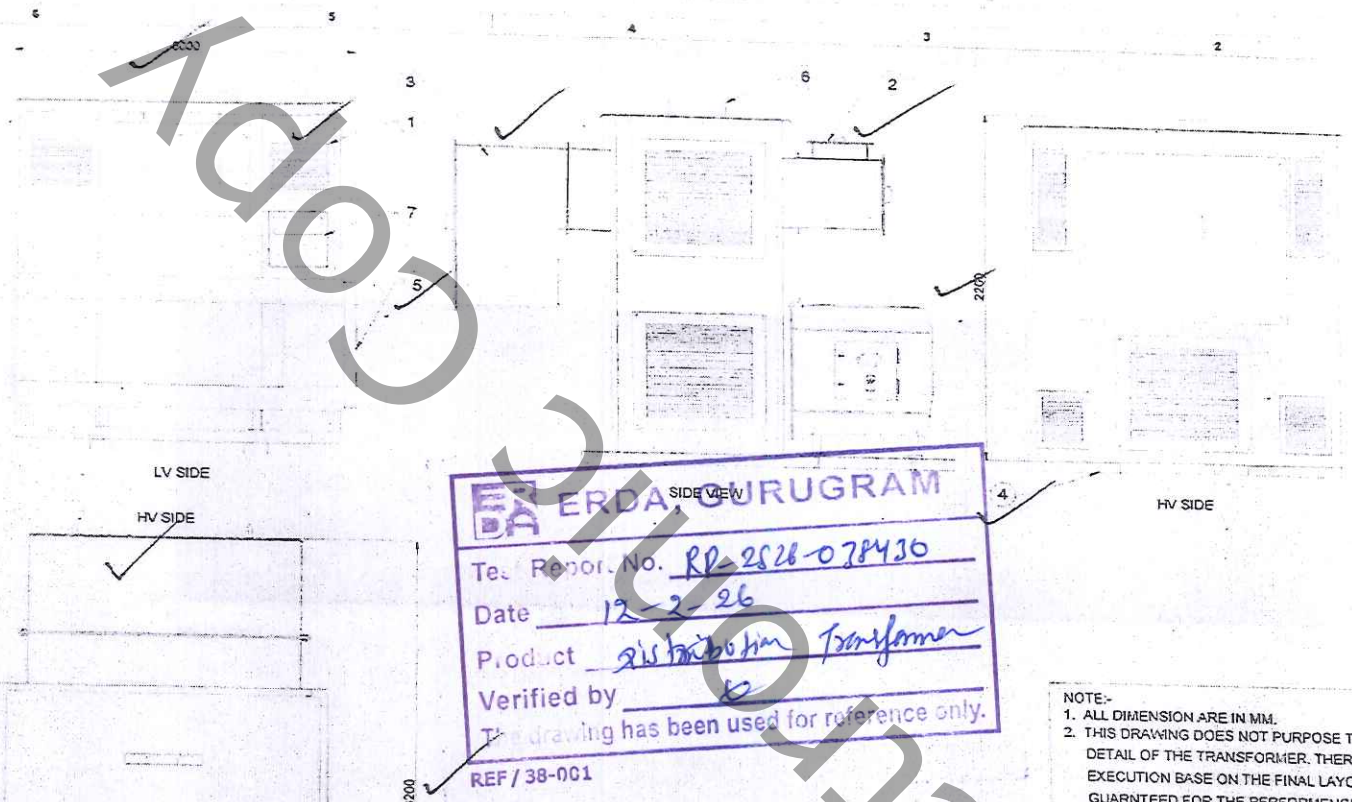
MADE IN INDIA

TAP POS.	OLTC CONC. EACH PH	HV VOLTS	LV VOLTS
1(MAX)	20-19	34650.0	415
2	20-18	34237.5	415
3	20-17	33825.0	415
4	20-16	33412.5	415
5(NOR)	20-15	33000.0	415
6	20-14	32587.5	415
7	20-13	32175.0	415
8	20-12	31762.5	415
9	20-11	31350.0	415
10	20-10	30937.5	415
11	20-09	30525.0	415
12	20-08	30112.5	415
13	20-07	29700.0	415
14	20-06	29287.5	415
15	20-05	28875.0	415
16	20-04	28462.5	415
17(MIN)	20-03	28050.0	415



ERDA, GURUGRAM
Test Report No. RP-2426-0126-430
Date 12-2-26
Product Distribution Transformer
Verified by
This drawing has been used for reference only.
REF/38-001

22/9/25



S.L. NO	DESCRIPTION	QTY
1	LOUVER OPENING	1 SET
2	LV BUSDUCT	1
3	HV CABLE BOX	1
4	BASE CHANNEL	1 SET
5	EARTHING	1
6	LIFTING LUG	4
7	IR/THERMAL SCANNER	1

ERDA, GURUGRAM

Test Report No. RD-2526-078430

Date 12-2-26

Product 33/5 Distribution Transformer

Verified by

This drawing has been used for reference only.

REF / 38-001

NOTE:-
1. ALL DIMENSION ARE IN MM.
2. THIS DRAWING DOES NOT PURPOSE TO SHOW THE EXACT CONSTRUCTION DETAIL OF THE TRANSFORMER. THERE MAY BE SOME DIFFERENCE IN EXECUTION BASE ON THE FINAL LAYOUTS. THE TRANSFORMER IS GUARNTEED FOR THE PERFORMENCE PARAMETER SPECFIED IN THE ORDER.
3. OVERALL DIMENSION ARE SUBJECT TO ± 10% TOLERANCE.
4. PAINT : RAL 7032

22/9/25