

**VAJRA**
TRANSPOWER**VAJRA TRANSPOWER PVT LTD**

Plot No:5, Phase-4, IP Pashamylaram, Sangareddy District, Telangana-502307

TEST CERTIFICATE

For Copper Wound Three Phase Distribution Transformer Tested as per IS1180(Part-1):2014

CUSTOMER NAME & : M/s MODI GV VENTURES LLP
ADDRESS : Vivopolis, Sy No: 228/4, Turkapally,
: Shamirpet Medchal, Rangareddy District,
: Secunderabad, Telangana-500078

Date: 21.08.2025

PO No: 20250630012, Dated 30.06.2025

RATING	:	400 kVA Con (Cu)
VOLTAGE RATIO	:	11000 / 433 VOLTS
TRANSFORMER SL. NO.	:	25261674
PHASE & CYCLES	:	3 & 50 Hz
TYPE	:	OUTDOOR
ENERGY EFFICIENT LEVEL	:	2

HV FULL LOAD CURRENT	:	21.00 AMPS
LV FULL LOAD CURRENT	:	533.36 AMPS
COOLING	:	ONAN
VECTOR GROUP	:	Dyn11
W.O.NO	:	VDTR 0104/25-26

RESISTANCE OF WINDING IN NORMAL TAP	AVG LV BETWEEN TERMINALS				2u2v-2v2w-2w2u		2.4383 mΩ AT 35.2°c	
	AVG HV BETWEEN TERMINALS				1U1V - 1V1W - 1W1U		1.991 Ω AT 35.2°c	
Off Circuit Tap Switch Position	1	2	3(Nor)	4	5	6	7	POLARITY & PHASE RELATIONSHIP FOUND OK
Specified Turns Ratio	46.20	45.10	44.00	42.90	41.80	40.70	39.60	
Phase - U	46.22	45.15	44.01	42.86	41.79	40.72	39.58	
Phase - V	46.23	45.16	44.01	42.87	41.80	40.72	39.58	
Phase - W	46.23	45.16	44.01	42.87	41.80	40.73	39.58	
LOSSES					OBSERVED VALUE			GUARANTEED VALUE
NO LOAD CURRENT					2.948 Amps			10.7 Amps
NO LOAD LOSSES @ 50Hz					250.6 Watts			
MAXIMUM TOTAL LOAD LOSSES @50% LOAD					1017 WATTS			1150 WATTS MAX
MAXIMUM TOTAL LOAD LOSSES @100% LOAD					3316 WATTS			3330 WATTS MAX
% IMPEDANCE					4.30%			4.50 % & IS : TOL
%REGULATION	AT UPF				0.78%			
	AT 0.8 PF				3.14%			
EFFICIENCY		125%	100%	75%	50%	25%		
	AT UPF	99.00	99.18	99.35	99.49	99.56		
	AT 0.8 PF	98.76	98.97	99.18	99.37	99.45		
DI- ELECTRIC TEST	1	A) SSVW TEST : APPLIED 28000 VOLTS ON H.V WINDNG ON TRANSFORMER WITH L.V WINDING AND TANK BODY EARTHED TOGETHER FOR 60SEC AND WITHSTOOD O.K						
		B) SSVW TEST : APPLIED 3000 VOLTS ON L.V WINDNG ON TRANSFORMER WITH H.V WINDING AND TANK BODY EARTHED TOGETHER FOR 60SEC AND WITHSTOOD O.K						
	2	INDUCED OVER VOLTAGE WITHSTAND TEST : APPLIED 866 VOLTS AT 150Hz FOR 45SEC ON LV WINDING AND KEEPING HV WINDING OPEN. WITSTOOD OK.						
INSULATION RESISTANCE	1	LT TO EARTH			10.60 GEGA OHMS AT 35.2 °C			
	2	HT TO EARTH			12.70 GEGA OHMS AT 35.2 °C			
	3	HT TO LT			13.50 GEGA OHMS AT 35.2 °c			
OIL TEST	BDV OF OIL MEASURED AS 72.8 KV AND FOUND OK.							
VECTOR GROUP	CHECKED AND FOUND OK.							

TESTED BY

G.Santosh

Manager-Quality

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