



SHIV ELECTRICAL & ENGINEERING WORKS

(AN ISO 9001: 2015 CERTIFIED)

Works (Routine) Test Certificate

1.	EQUIPMENT TESTED	11 KV INDOOR VOLTAGE TRANSFORMER-P.T. (Epoxy Resin Type)
2.	CUSTOMER NAME	dev chugh
3.	SPECIFICATIONS	The Following Routine Test conforming to IS:16227 (1 & 3)
4.	RATIO	11000/110 V
5.	RATED VOLTAGE	11 KV
6.	H S V	12 KV
7.	BURDEN	10VA
8.	ACCURACY CLASS:	0.5
9.	I L	28 kV/ 75 kVp
10.	FREQUENCY	50 Hz
11.	S. T .C	
	Voltage Factor	1.2 TIMES CONT. & 1.5 FOR 30 SEC.
12.	The Following Test have been Conducted on above CT	
I.	Verification of terminal marking and Polarity test	OK
II.	Ratio & Phase Error Test on CT	OK (Result Attached)
III.	Power Frequency dry withstand test between primary winding & earth (Secondary terminal shorted together and earthed)	28 KV (rms) Withstood
IV.	Power Frequency dry withstand test between Secondary winding & earth	3 KV (rms) Withstood
V.	Over Voltage Inter-turn Test on secondary winding at rated current for 60 sec	Withstood
VI.	Partial Discharge Test as per IS 11322/1985	Withstood
VII.	PRIMARY Terminal Marking	P1-P2
VIII.	SECONDARY Terminal Marking	S1-S2

13. RATIO & PHASE ANGLE ERROR TEST

SR NO.	CURRENT RATIO	BURDEN	TYPE OF ERROR	PERCENTAGE OF RATED PRIMARY CURRENT				
				120%	100%	20%	5%	1%
SE-9103-A	50/5A	5 VA	CURRENT ERROR IN %	-0.070	-0.072	-0.131	-0.228	-0.264
			PHASE ERROR IN MIN.	0.26	0.10	0.50	3.84	3.84
SE-9103-B	50/5A	5 VA	CURRENT ERROR IN %	-0.044	-0.045	-0.074	-0.101	-0.114
			PHASE ERROR IN MIN.	0.38	0.36	1.28	3.04	4.10
SE-9103-C	50/5A	5 VA	CURRENT ERROR IN %	-0.039	-0.044	-0.083	-0.128	-0.156
			PHASE ERROR IN MIN.	0.18	-0.06	0.94	3.30	5.64



Testing Engineer
SHIV ELECTRICAL & ENGINEERING WORKS
Panipat (HARYANA)

Dated: 08.04.2024

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