

# ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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## TEST REPORT

SHEET 01 OF 02

<b>NAME &amp; ADDRESS OF CUSTOMER:</b> <b>M/s. Diamond Power Transformers Ltd.</b> Plot No :- 101/B/7, Road No-2, G.I.D.C. Estate, Road No-2, Village Ranoli - 391350. Vadodara	<b>REPORT No:</b> MNDTTR008717/2 <b>DATE:</b> 06/05/2010	
	<b>CUSTOMER REF. NO. &amp; DATE:</b> DPTL/RNL/ERDA/274, dated:21/04/2010	
	<b>DATE OF SAMPLE RECEIPT</b> 21/04/2010	<b>DATE OF TESTING</b> 27/04/2010
<b>SAMPLE DESCRIPTION:</b> <b>CRGO Core ALU. Wound Proto type Distribution Transformer [1No]</b> Details as mentioned in customer's letter: Rating: 25 KVA, Voltage : 11/0.433 KV Tr. Sr. No.: Proto - 25	<b>SAMPLE IDENTIFICATION:</b>  <b>Transformer Serial No:</b> Proto - 25 <b>ERDA Sample Code No.:</b> MNDTWO008859/2	
<b>TEST DETAILS:</b> Audible Sound Level Measurement	<b>TEST SPECIFICATION:</b> 1] For procedure: IEC 551:1987 2] For requirement: As per Customer's Requirement	
<b>REMARKS:</b> 1] Corrected average audible sound level of the sample was 44.7 dB (A). 2] The sample conforms to the requirement of the above mentioned test.		
<i>Ashab</i> <b>PREPARED BY</b>	<i>Piyati</i> <b>CHECKED BY</b>	<i>Shival</i> <b>APPROVED BY</b>
<b>NOTE:</b> 1] This report relates only to the particular sample(s) received for testing in good condition at ERDA. 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] Only the tests asked for by the customer have been carried out.		



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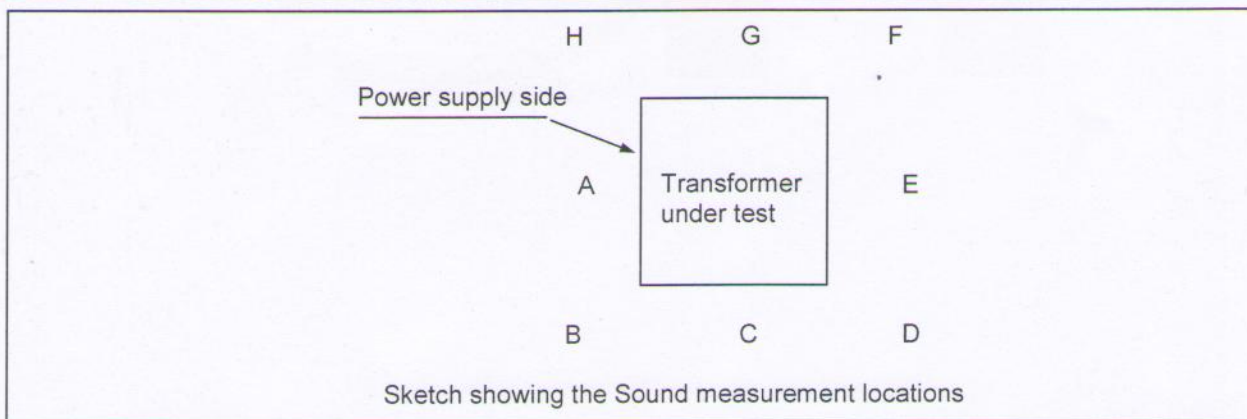
**SHEET 02 OF 02**

Transformer under test	CRGO Core ALU. Wound Proto type Distribution Transformer Rating: 25 KVA, Voltage: 11/0.433 KV, Tr. Sr. No.: Proto - 25
Particulars of Test	Audible Sound Level Measurement
Test Details	Distance of measurement from test equipment: 0.3 m, Measurement was made at half the height of the transformer
Requirement	Permissible Average Audible Sound Level: 45 dB(A) [Maximum] As per Customer's requirement.

**Test Result:**

Sr. No.	Measurement Locations (Refer Sketch Below)	Ambient audible sound level before measurement of audible sound level of Transformer	Audible sound level from ambient and "Transformer at rated voltage & no load condition"	Ambient audible sound level after measurement of audible sound level of Transformer
		dB(A)	dB(A)	dB(A)
1	A	44.4	47.7	44.4
2	B	44.3	47.7	44.3
3	C	44.3	47.8	44.4
4	D	44.4	47.7	44.4
5	E	44.4	47.7	44.4
6	F	44.4	47.7	44.3
7	G	44.3	47.8	44.4
8	H	44.4	47.8	44.3

- 1) Average audible sound level of ambient: 44.4 dB(A)
- 2) Average audible sound level of combined transformer & ambient: 47.7 dB(A)
- 3) Corrected average audible sound level of transformer: 44.7 dB(A)



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*Aashish*

PREPARED BY

*Piyashi*

CHECKED BY

