ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TEST REPORT

TC5389190000018688F **SHEET NO. :** 1 OF 15

NAME & ADDRESS OF CUSTOMER **M/s. Rajasthan Powergen Transformer Pvt. Ltd.** Khasra No. 911-914 Karola - Bhinmal Road, Karola, Sanchore, Rajasthan-343041	**TEST REPORT NO. :** RP-1920-009858 **DATE :** 08/06/2019 **CUSTOMER REF. NO. :** NIL **DATED :** 04/06/2019 **DATE OF SAMPLE RECEIPT** 04/06/2019 **DATE OF TESTING** 08/06/2019

SAMPLE DESCRIPTION

DISTRIBUTION TRANSFORMER
NON-SEALED TYPE

RATING	:	10 kVA
RATED VOLTS	:	11000/433 V
RATED CURRENT	:	0.525/13.33 A
NO. OF PHASE	:	03
TYPE OF COOLING	:	ONAN
FREQUENCY	:	50 Hz
% IMPEDANCE	:	4.5%
VECTOR GROUP	:	Dyn 11
B.I.L. : H. V.	:	28 kVrms / 95 kVp
L.V.	:	3 kVrms /----

SAMPLE IDENTIFICATION

SR. NO. : RPTPL-001

YEAR OF MFG. : 2019

MFG. BY : M/s. Rajasthan Powergen Transformer Pvt. Ltd.

ERDA SAMPLE CODE No.: ERDA-00319068

TEST DETAIL :
Lightning Impulse Test with Chopped on the Tail on all the three phases of HV Terminals at 95 kVp.

TEST SPECIFICATION :
As per IS:1180 (Part-I)-2014,Cl.No. 21.3.a Amendment No.1 & 2 & 3 and Test voltage was specified by the customer.
(Test Procedure was followed as per IS : 2026-(Part-III)-2009,Cl. No. 14)

ENCLOSURE :
DRG. NO.: 1) RPTPL-10KVA-RP-01/02-2019
2) RPTPL-10KVA-RP-02/02-2019
3) RPTPL-GA-10KVA-02-2019

TEST WITNESSED BY : ----

Impulse Laboratory • H. V. Division • Vadodara •

REMARKS : From the observation of enclosed oscillographic records, it is concluded that the transformer **conforms** to the requirements of the above mentioned standard with respect to the test carried out.

PREPARED BY	**CHECKED BY**	**A. S. Khopkar** **APPROVED BY**

Note : 1. This report relates only to the particular sample received in good condition for testing at ERDA Vadodara.
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.
5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be constructed as where the cause has arised

Caution: ERDA is not responsible for the authenticity of photocopied or reproduced test reports.
ERDA provides support to customers for verification of the authenticity of test reports issued by ERDA.

TC 2795377

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC538919000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 2 of 15
DATE : 08/06/2019

Waveform	Comment	Ut / kVp	T1 / µs	T2 / µs	Tc / µs
		1U PHASE			
1	LI RW	-54.322	1.361	46.603	
2	100% LI FW	-94.515	1.382	46.718	
3	LI CRW	-55.426	1.350		3.057
4	110% LI CFW	-104.491	1.385		2.707
5	110% LI CFW	-103.810	1.369		3.724
6	100% LI FW	-96.136	1.383	46.723	
7	100% LI FW	-94.417	1.372	46.723	
		1V PHASE			
8	LI RW	-54.717	1.361	46.638	
9	100% LI FW	-96.448	1.373	46.754	
10	LI CRW	-55.838	1.364		3.379
11	110% LI CFW	-104.828	1.399		2.573
12	110% LI CFW	-102.774	1.367		3.307
13	100% LI FW	-95.153	1.378	46.714	
14	100% LI FW	-95.967	1.383	46.738	
		1W PHASE			
15	LI RW	-57.471	1.371	46.526	
16	100% LI FW	-96.050	1.378	46.650	
17	LI CRW	-56.496	1.352		3.307
18	110% LI CFW	-102.255	1.379		2.986
19	110% LI CFW	-103.772	1.377		4.262
20	100% LI FW	-94.732	1.374	46.657	
21	100% LI FW	-95.712	1.380	46.760	

Nimesh
PREPARED BY

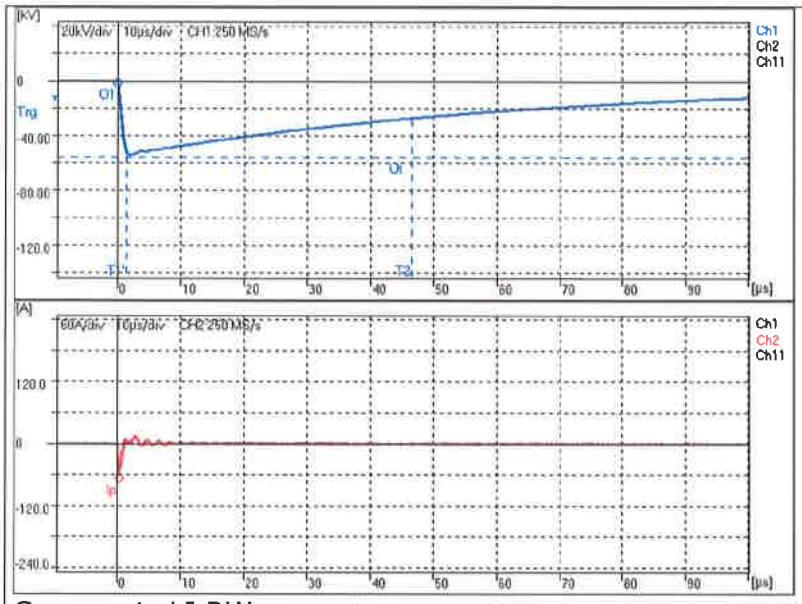
CHECKED BY

Impulse Laboratory • H. V. Division • ERDA • Vadodara

TC 27953334

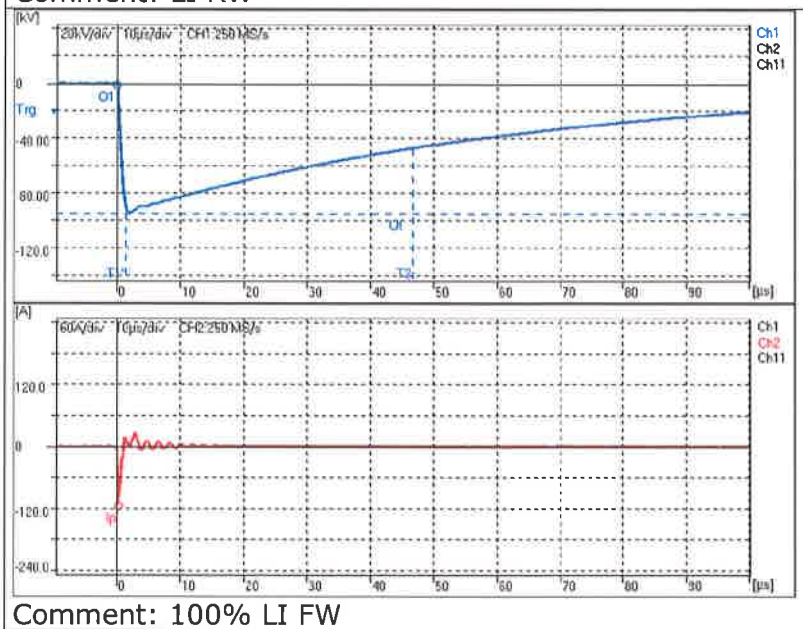
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC538919000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 3 of 15
DATE : 08/06/2019



Comment: LI RW

Fig.: 1
U_p = -54.32 kV
T_1 = 1.36 µs
T_2 = 46.60 µs
T_c = µs



Comment: 100% LI FW

Fig.: 2
U_p = -94.51 kV
T_1 = 1.38 µs
T_2 = 46.72 µs
T_c = µs

PREPARED BY

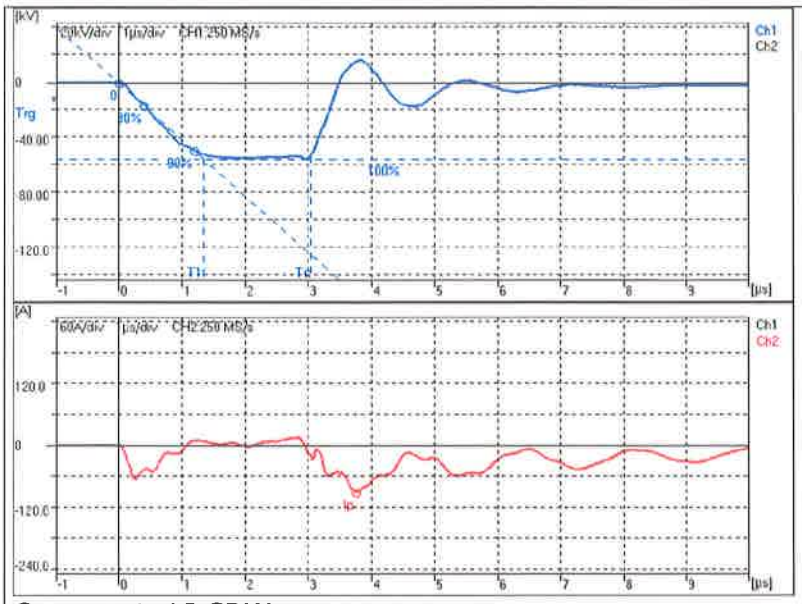
CHECKED BY

Impulse Laboratory • H. V. Division • Vadodara

TC 2795335

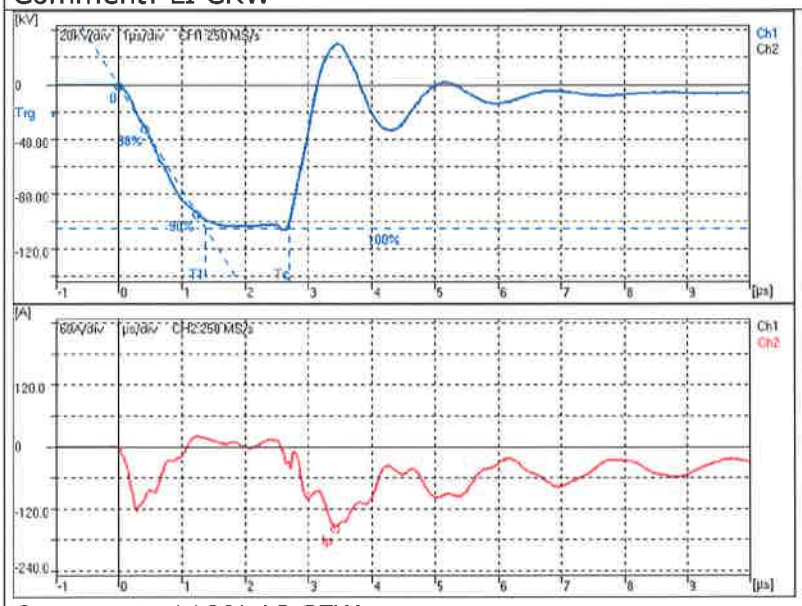
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 4 of 15
DATE : 08/06/2019



Comment: LI CRW

Fig.: 3
U_p = -55.43 kV
T_1 = 1.35 µs
T_2 = µs
T_c = 3.06 µs



Comment: 110% LI CFW

Fig.: 4
U_p = -104.49 kV
T_1 = 1.38 µs
T_2 = µs
T_c = 2.71 µs

PREPARED BY

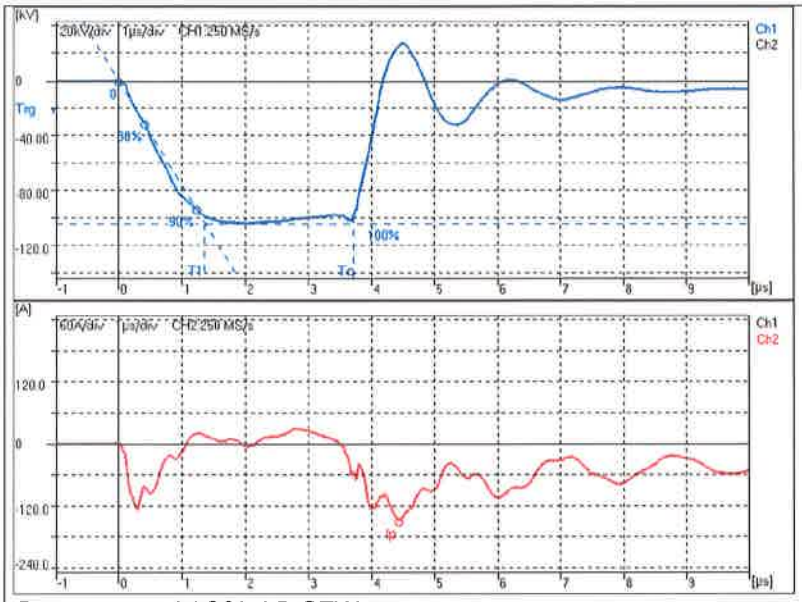
CHECKED BY

Impulse Laboratory • H. V. Division • ERDA • Vadodara

TC 2795336

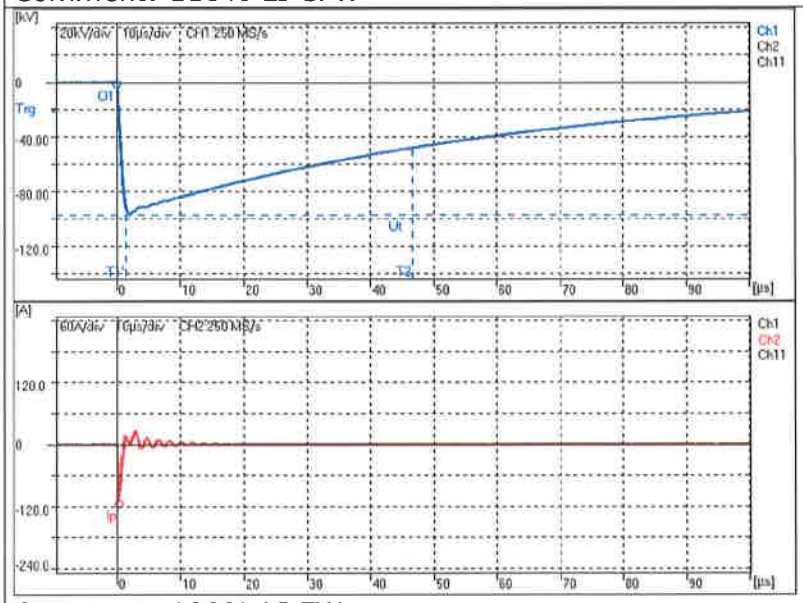
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 5 of 15
DATE : 08/06/2019



Comment: 110% LI CFW

Fig.: 5
U_p = -103.81 kV
T_1 = 1.37 µs
T_2 = µs
T_c = 3.72 µs



Comment: 100% LI FW

Fig.: 6
U_p = -96.14 kV
T_1 = 1.38 µs
T_2 = 46.72 µs
T_c = µs

PREPARED BY

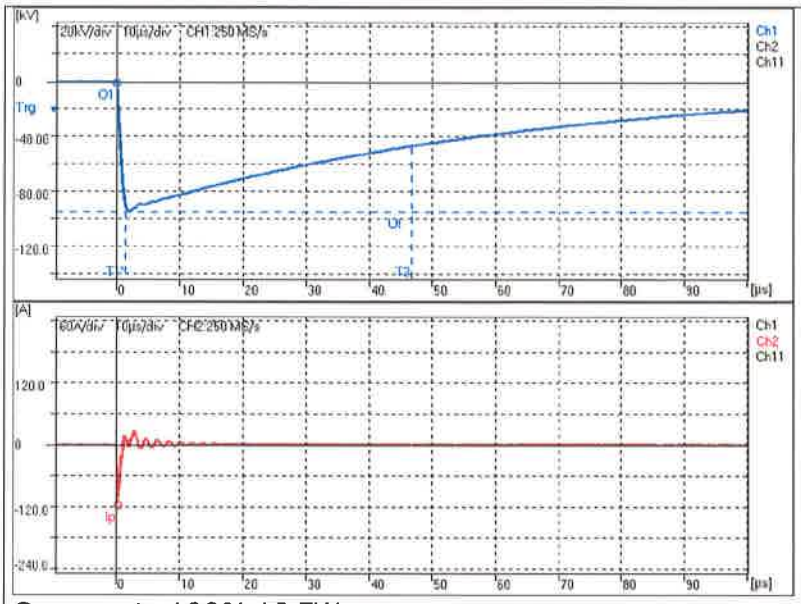
CHECKED BY

Impulse Laboratory • H. V. Division • Vadodara

TC 2795337

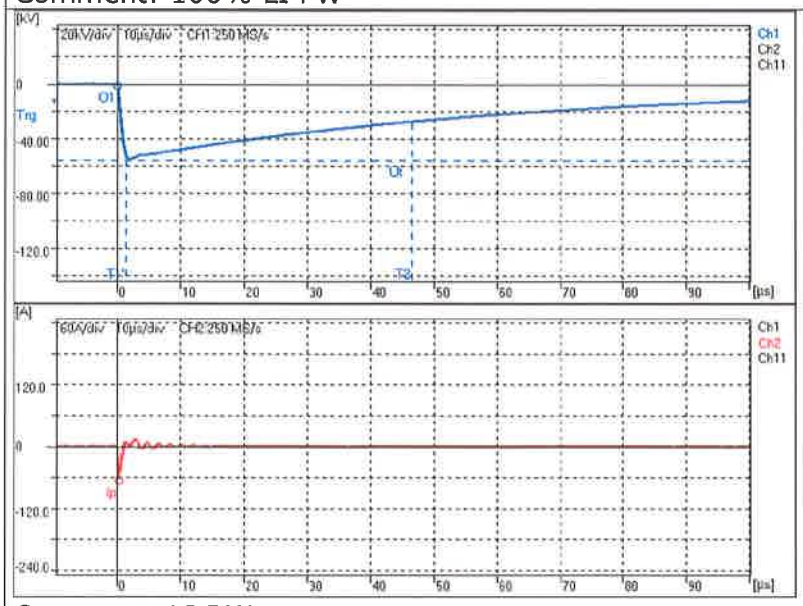
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 6 of 15
DATE : 08/06/2019



Comment: 100% LI FW

Fig.: 7
U_p = -94.42 kV
T_1 = 1.37 µs
T_2 = 46.72 µs
T_c = µs



Comment: LI RW

Fig.: 8
U_p = -54.72 kV
T_1 = 1.36 µs
T_2 = 46.64 µs
T_c = µs

PREPARED BY

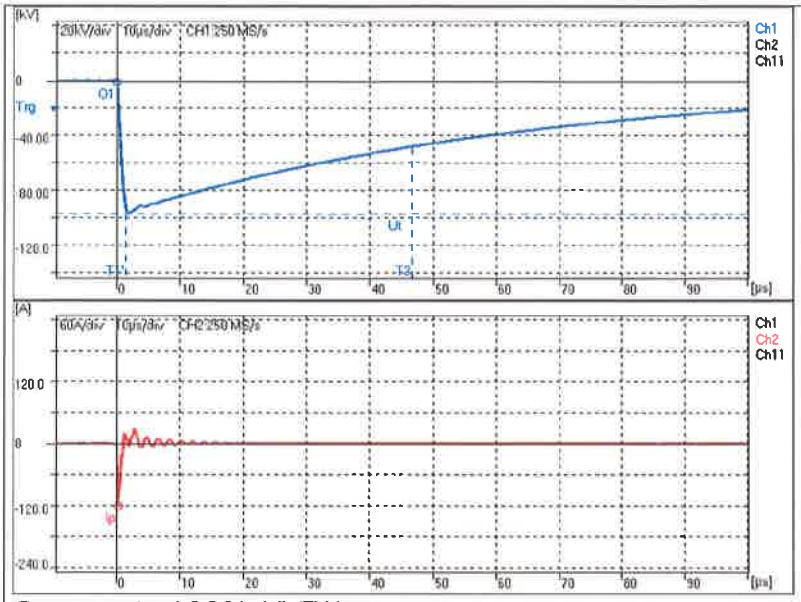
CHECKED BY

Impulse Laboratory • H. V. Division • ERDA • Vadodara

TC 2795338

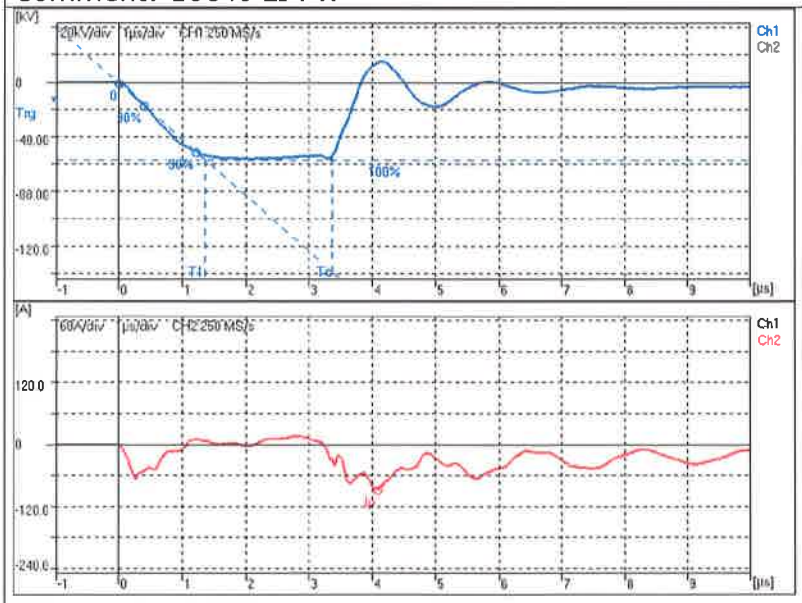
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 7 of 15
DATE : 08/06/2019



Comment: 100% LI FW

Fig.: 9
U_p = -96.45 kV
T_1 = 1.37 µs
T_2 = 46.75 µs
T_c = µs



Comment: LI CRW

Fig.: 10
U_p = -55.84 kV
T_1 = 1.36 µs
T_2 = µs
T_c = 3.38 µs

Nimisha
PREPARED BY

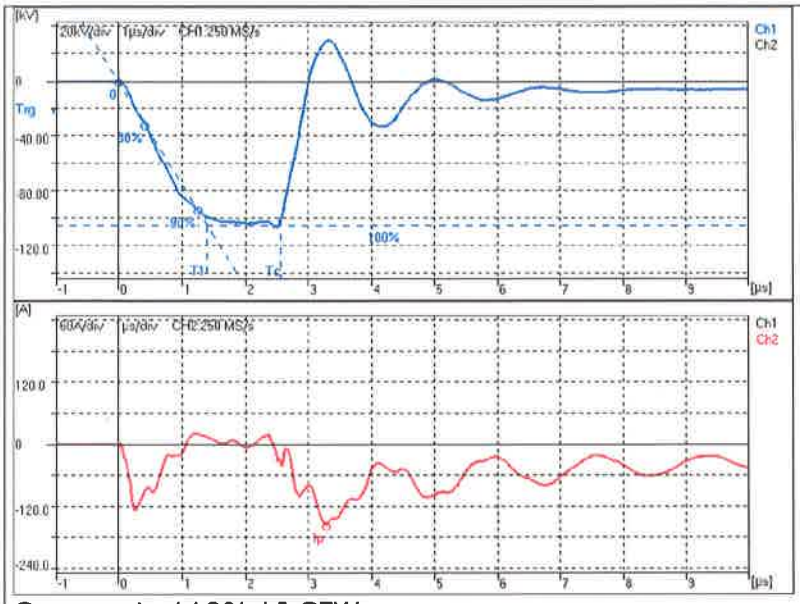
Impulse Laboratory • H. V. Division • Vadodara

CHECKED BY

TC 2795339

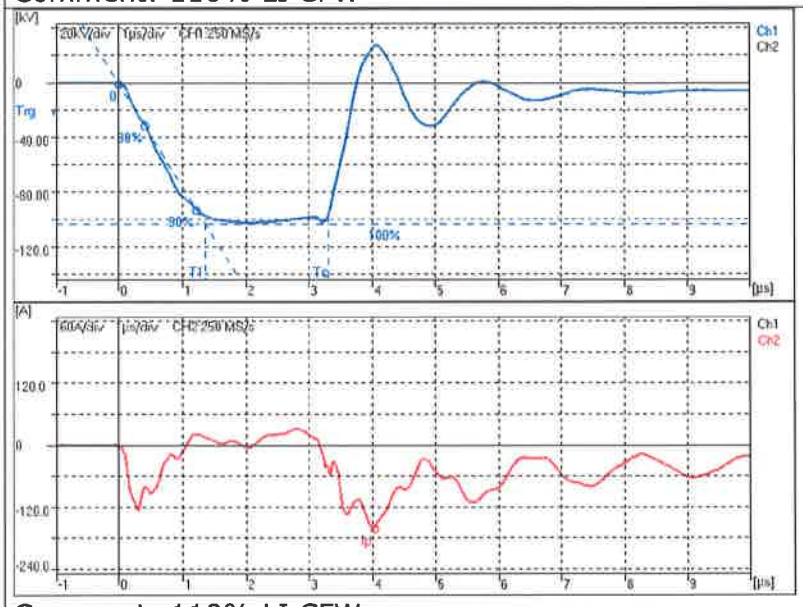
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 8 of 15
DATE : 08/06/2019



Comment: 110% LI CFW

Fig.: 11
U_p = -104.83 kV
T_1 = 1.40 µs
T_2 = µs
T_c = 2.57 µs



Comment: 110% LI CFW

Fig.: 12
U_p = -102.77 kV
T_1 = 1.37 µs
T_2 = µs
T_c = 3.31 µs

PREPARED BY

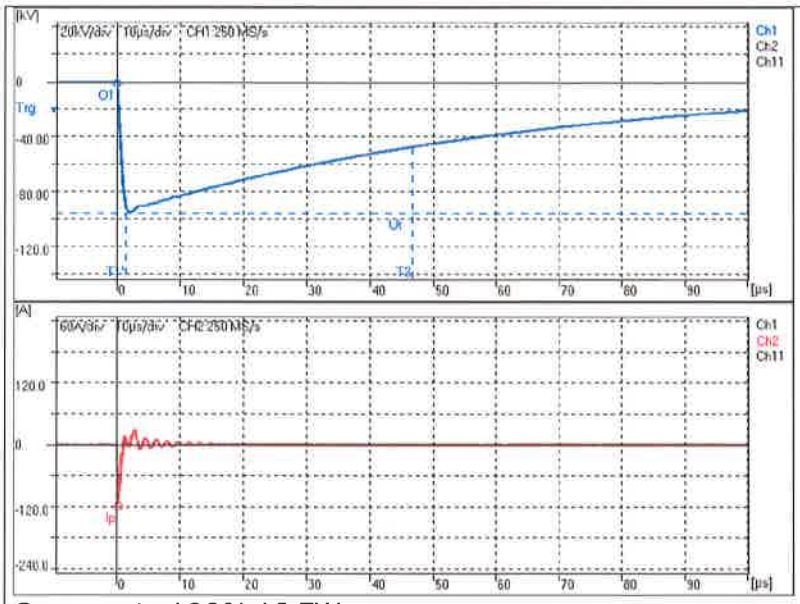
CHECKED BY

Impulse Laboratory • H. V. Division • Vadodara

TC 2795340

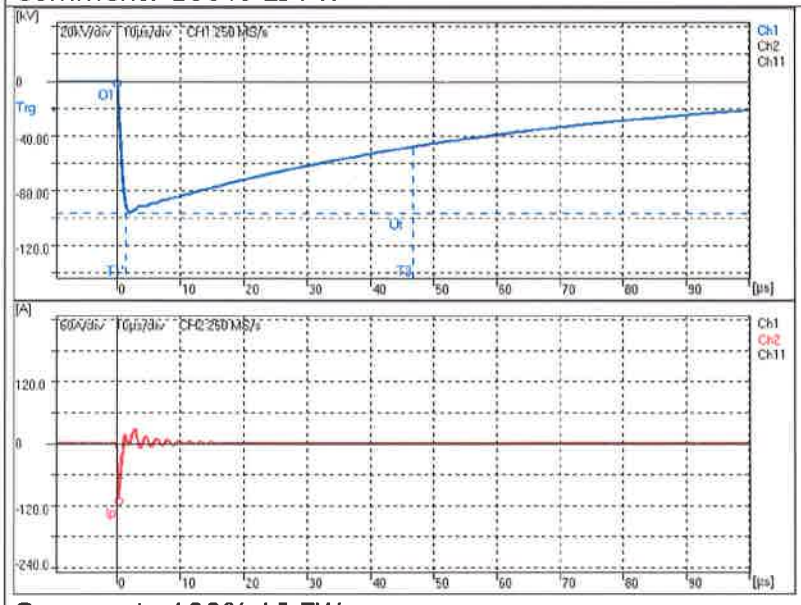
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 9 of 15
DATE : 08/06/2019



Comment: 100% LI FW

Fig.: 13
U_p = -95.15 kV
T_1 = 1.38 µs
T_2 = 46.71 µs
T_c = µs



Comment: 100% LI FW

Fig.: 14
U_p = -95.97 kV
T_1 = 1.38 µs
T_2 = 46.74 µs
T_c = µs

Nimisha
PREPARED BY

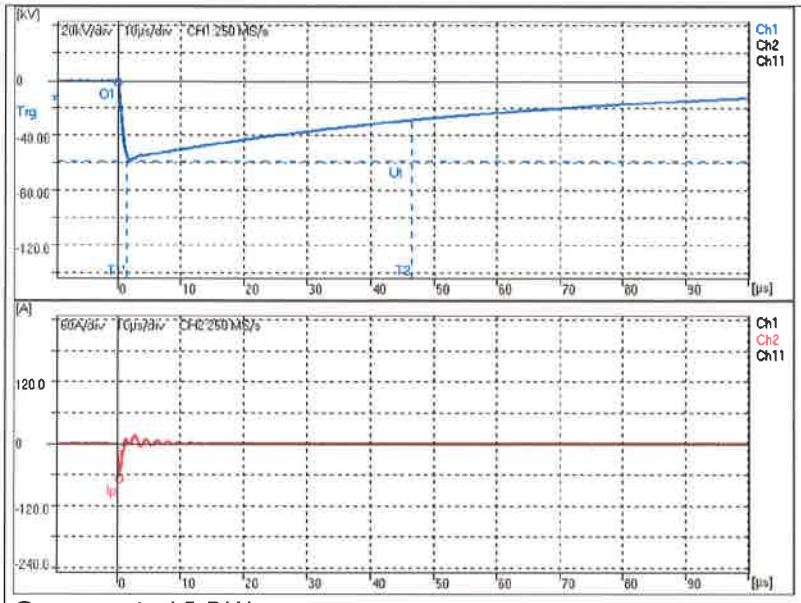
CHECKED BY

Impulse Laboratory • H. V. Division • Vadodara

TC 2795341

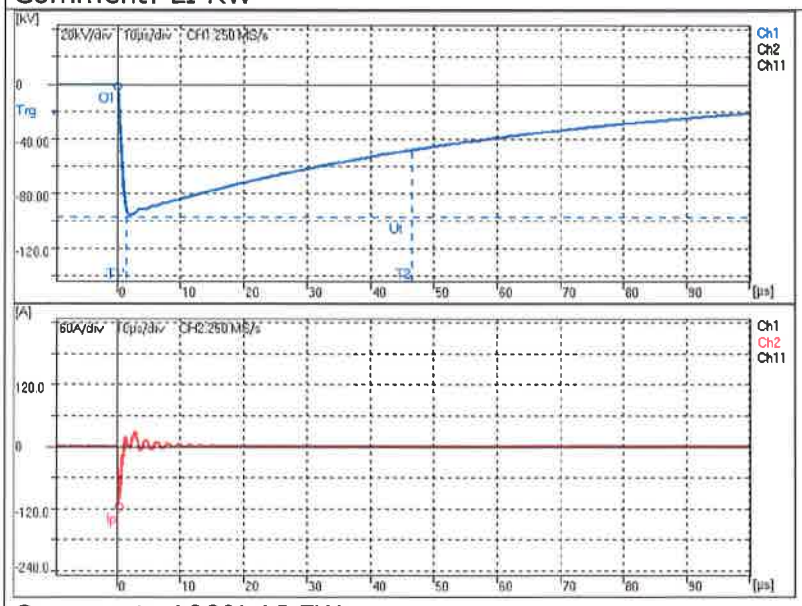
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 10 of 15
DATE : 08/06/2019



Comment: LI RW

Fig.: 15
U_p = -57.47 kV
T_1 = 1.37 µs
T_2 = 46.53 µs
T_c = µs



Comment: 100% LI FW

Fig.: 16
U_p = -96.05 kV
T_1 = 1.38 µs
T_2 = 46.65 µs
T_c = µs

PREPARED BY

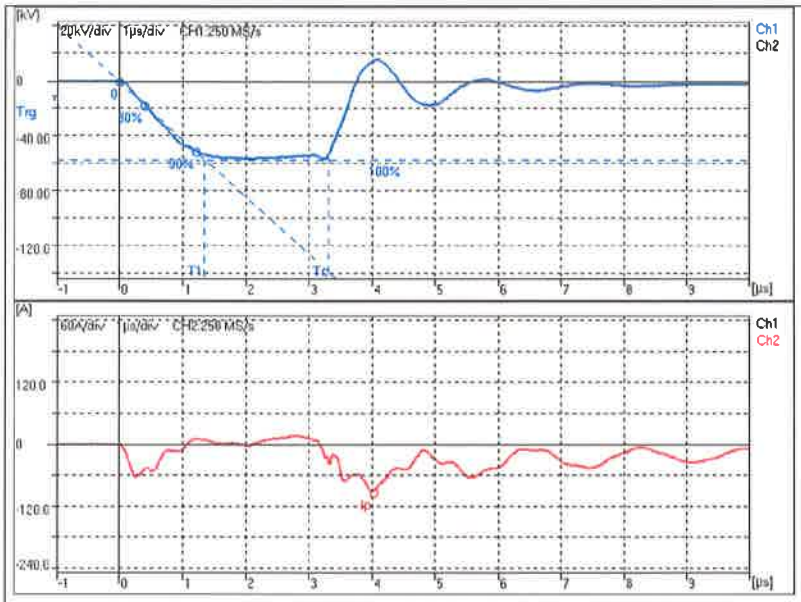
CHECKED BY

Impulse Laboratory • H. V. Division • Vadodara

TC 2795342

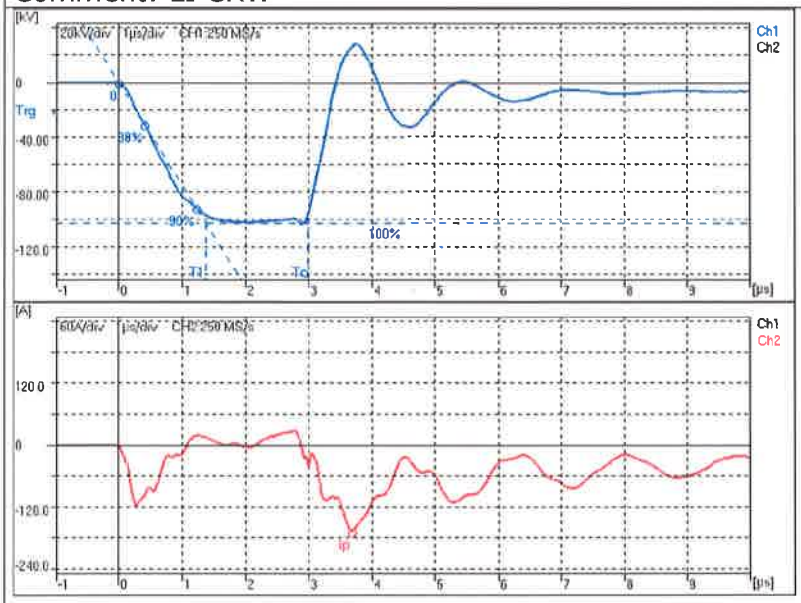
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 11 of 15
DATE : 08/06/2019



Comment: LI CRW

Fig.: 17
U_p = -56.50 kV
T_1 = 1.35 µs
T_2 = µs
T_c = 3.31 µs



Comment: 110% LI CFW

Fig.: 18
U_p = -102.26 kV
T_1 = 1.38 µs
T_2 = µs
T_c = 2.99 µs

PREPARED BY

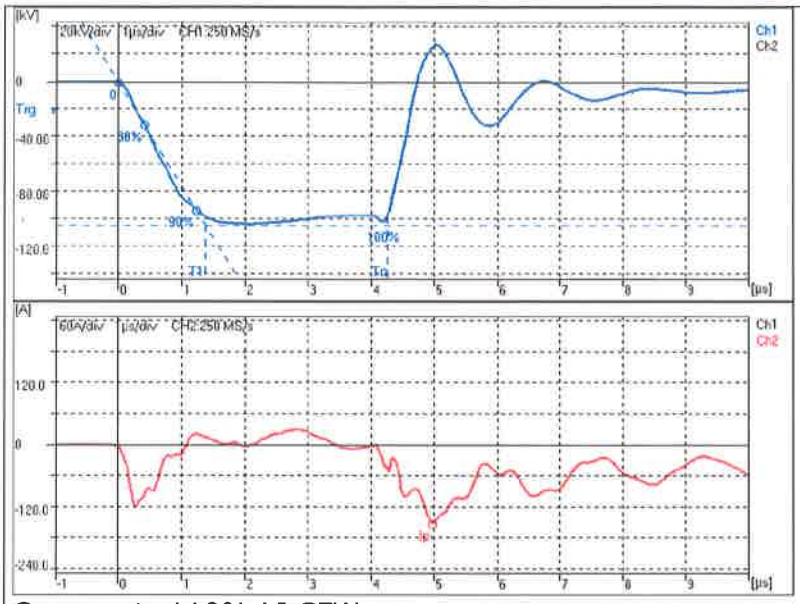
Impulse Laboratory • H. V. Division • Vadodara

CHECKED BY

TC 2795343

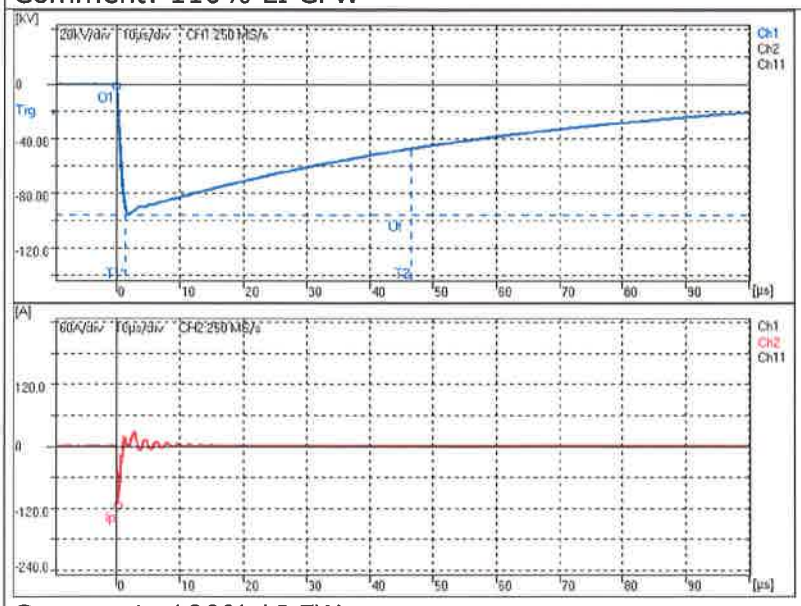
ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 12 of 15
DATE : 08/06/2019



Comment: 110% LI CFW

Fig.: 19
U_p = -103.77 kV
T_1 = 1.38 µs
T_2 = µs
T_c = 4.26 µs



Comment: 100% LI FW

Fig.: 20
U_p = -94.73 kV
T_1 = 1.37 µs
T_2 = 46.66 µs
T_c = µs

PREPARED BY

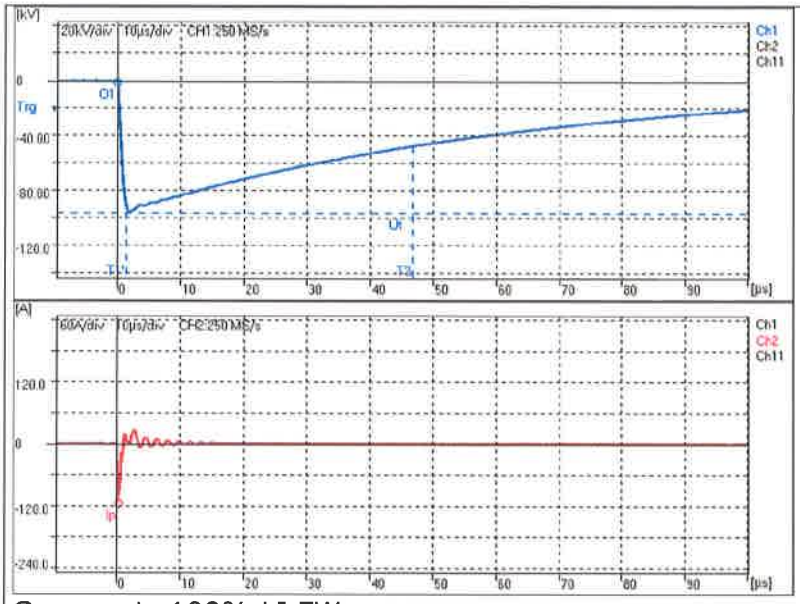
CHECKED BY

Impulse Laboratory • H. V. Division • ERDA • Vadodara

TC 2795344

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC538919000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 13 of 15
DATE : 08/06/2019



Comment: 100% LI FW

Fig.: 21
U_p = -95.71 kV
T_1 = 1.38 µs
T_2 = 46.76 µs
T_c = µs

PREPARED BY

CHECKED BY

Impulse Laboratory • H. V. Division • Vadodara •

TC 2795345

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org

Certificate No. : TC-5389

TC538919000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 14 of 15
DATE : 08/06/2019

PHOTOGRAPH OF TEST SAMPLE

PREPARED BY

Impulse Laboratory • H. V. Division • Vadodara

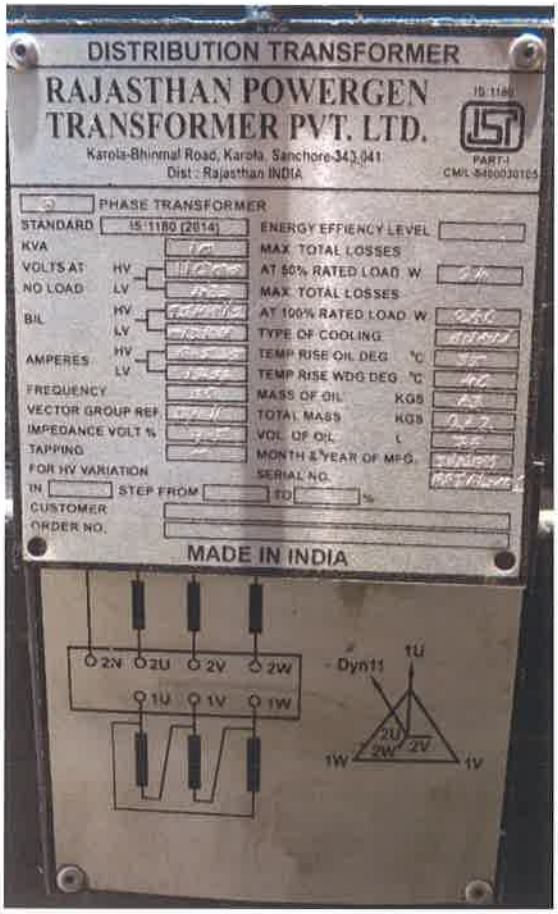
CHECKED BY

TC 2795346

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.
EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33
Fax : +91 (0265) 2638382
E-mail : erda@erda.org
Web : http://www.erda.org
Certificate No. : TC-5389

TC5389190000018688F
TEST REPORT NO. : RP-1920-009858 **SHEET NO.:** 15 of 15
DATE : 08/06/2019

PHOTOGRAPH OF RATING AND TERMINAL MARKING PLATE



Nimesh
PREPARED BY

Impulse Laboratory • H.V. Division • Vadodara

CHECKED BY

TC 2795347

DISTRIBUTION TRANSFORMER

RAJASTHAN POWERGEN TRANSFORMER PVT. LTD.

KAROLA–BHINMAL–ROD KAROLA SANCHORE–343041
RAJASTHAN.(INDIA)

IS: 1180
PART-I
CM/L-8400030105

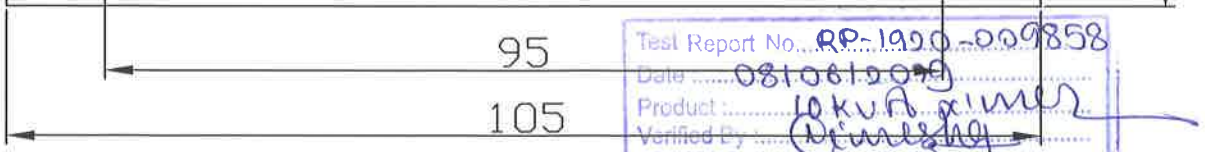
3	PHASE TRANSFORMER				
STANDARD		IS:1180 (2014)	ENERGY EFFICIENCY LEVEL		–
KVA		10	MAX. TOTAL LOSSES		
VOLTS AT NO LOAD	HV	11000	AT 50% RATED LOAD W		84
	LV	433	MAX. TOTAL LOSSES		
BIL	HV	95kVp/28kVrms *	AT 100% RATED LOAD W		240
	LV	–/3kVrms	TYPE OF COOLING		ONAN
AMPERES	HV	0.525	TEMP RISE OIL DEG C		35
	LV	13.33	TEMP RISE WDG DEG C		40
FREQUENCY		50 Hz	MASS OF OIL KGS		63
VECTOR GROUP REF.		Dyn–11	TOTAL MASS KGS		262
IMPEDANCE VOLT %		4.5	VOL. OF OIL L		75
TAPPING		–	MONTH & YEAR OF MFG.		MAY–2019
			SERIAL NO.		RPTPL-001 *

FOR HV VARIATION IN – STEP FROM – TO – %

CUSTOMER
ORDER NO.

MADE IN INDIA

95
105



Test Report No. RP-1920-009858
Date 08/06/2019
Product 10 KVA 433 V
Verified By
Verification of this drawing by ERDA is limited to relevent dimentional checks only.
Verified dimensions are marked with. *

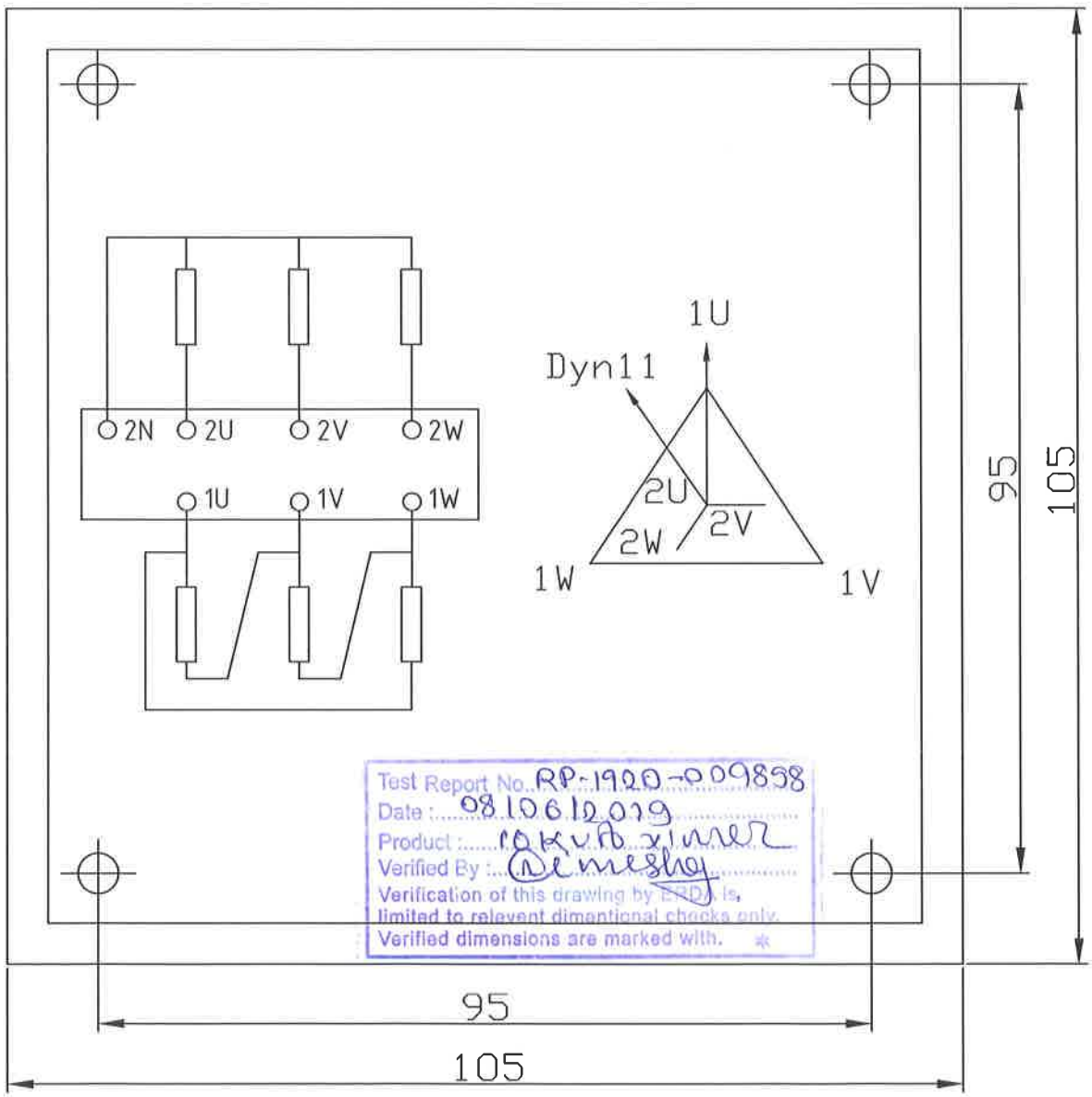
SIZE: 105x105 mm HOLE CENTER: 95x95 mm

NOTE:
* SERIAL NO, YEAR OF MANUFACTURE & MONTH OF MANUFACTURE WILL BE PUNCHED AT THE TIME OF DISPATCH
MATERIAL : Anodized Aluminum
THICKNESS : 1.5mm

REV. NO.	DATE SIGN	BRIEF DESCRIPTION
	30.05.2019	01 of 02

RAJASTHAN POWERGEN TRANSFORMER PVT. LTD.
KAROLA–BHINMAL ROAD KAROLA SANCHORE–343041
RAJASTHAN

DRN BY	RATING & TERMINAL MARKING PLATE FOR
CHD BY	10 KVA, 11/0.433 KV DISTRIBUTION TRANSFORMER
APPD BY	
	DRG. NO.RPTPL–10KVA–RP–01/02–2019



Test Report No. RP-1920-009858
Date : 08.06.2019
Product : 10KVA winner
Verified By : Dinesh
Verification of this drawing by ERDA is limited to relevent dimentional checks only.
Verified dimensions are marked with. *

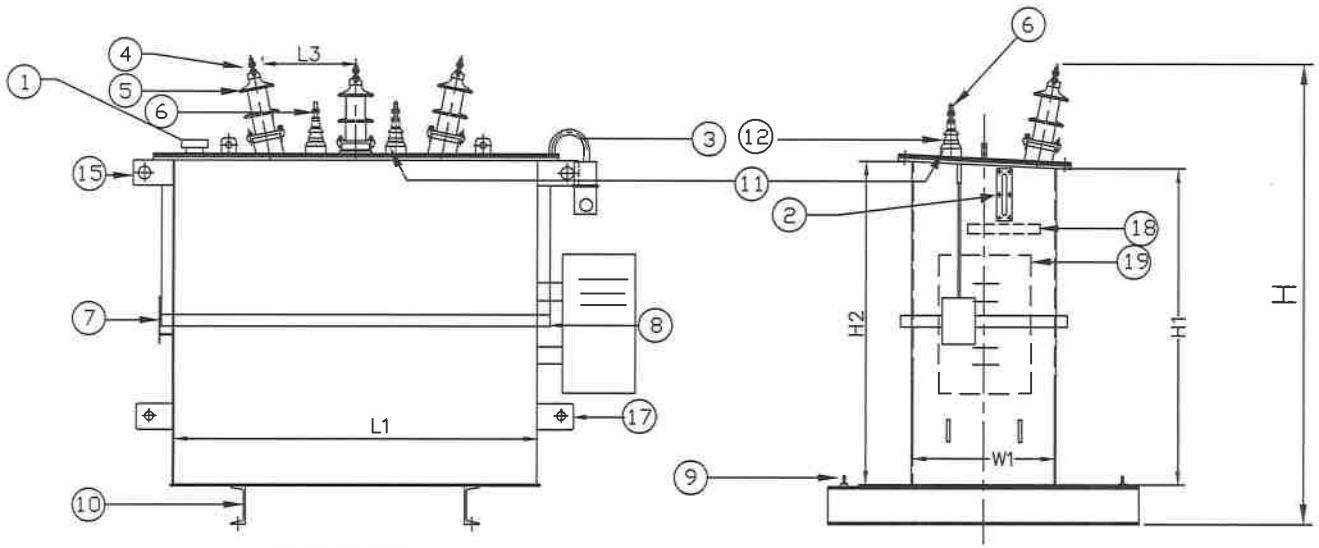
SIZE: 105x105 mm HOLE CENTER: 95x95 mm

NOTE:
* SERIAL NO ,
YEAR OF MANUFACTURE &
MONTH OF MANUFACTURE
WILL BE PUNCHED AT THE TIME OF DISPATCH
MATERIAL : Anodized Aluminum
THICKNESS : 1.5 mm

Impulse Laboratory • H.V. Division • ERDA • Vadodara

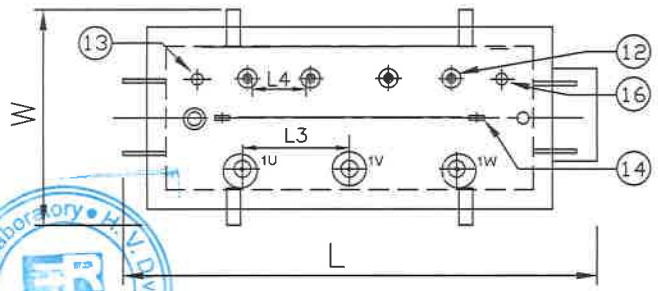
RAJASTHAN POWERGEN TRANSFORMER PVT. LTD.
KAROLA–BHINMAL ROAD KAROLA SANCHORE–343041
RAJASTHAN

			DRN BY	RATING & TERMINAL MARKING PLATE FOR 10 KVA, 11/0.433 KV DISTRIBUTION TRANSFORMER
			CHD BY	
	30.05.2019	02 of 02	APPD BY	
REV. NO.	DATE SIGN	BRIEF DESCRIPTION		DRG. NO. RPTPL–10KVA–RP–02/02–2019



ELEVATION

SIDE VIEW



PLAN

SR.NO.	ACCESSORIES	QTY.	TECHNICAL DETAILS AS PER SPEC.	AS PER OFFER
1	OIL FILLING CAP	1	M.S.	M.S.
2	OIL LEVEL GAUGE WITH 3 POSITION	1	—	—
* 3	SILICAGEL BREATHER (500 Grams.)	1	AL. DIE CAST	AL. DIE CAST
4	H.V. TERMINAL 12m.m. DIA.WITH NUT	3	BRASS	BRASS
5	H.V. BUSHING 12KV, 250A	3	PORCELAIN	PORCELAIN
6	L.V. TERMINAL 12 m.m. DIA. WITH NUT	4	BRASS	BEASS
7	RATING &TERMINAL MARKING PLATE	1	ANODIZED ALU	ANODIZED ALU
8	STIFFENER ANGLE SIZE (40x40x5 mm.)	4	M.S.	M.S.
9	EARTHING TERMINAL WITH LUGS SIZE(16 Amp.)	2	M.S.	M.S.
10	BASE CHANNELS 75x40x460mm. LONG.	2	M.S.	M.S.
11	L.V. BUSHING TURRET	4	TENDER DRG.	TENDER DRG.
12	L.V. BUSHING 1.1KV,250A	4	PORCELAIN	PORCELAIN
13	THERMOMETER POCKET	1	M.S.	M.S.
14	LIFTING LUGS FOR COVER	2	M.S.	M.S.
15	LIFTING LUGS FOR TANK REINFORCED WITH FLAT	2	M.S.	M.S.
16	AIR RELEASE PLUG	1	M.S.	M.S.
17	PULLING LUG	4	M.S.	M.S.
* 18	METALLIC TIN PLATE	1	S.S.	S.S.
* 19	MCCB BOX	1	–	–

	COOLING DETAILS	
1	TOTAL SURFACE AREA :-.	
2	NUMBER OF RADIATORS	N. A.
3	HEIGHT x WIDTH OF FINS	N. A.
1	TOTAL NUMBER OF COOLING FINS	N. A.

1	WEIGHTS IN KGS.		3	DIMENSIONS IN m.m.	
	CORE (+/- 5% TOL.)	54		TRANSFORMER OVERALL (+/- 10% TOL.)	
	WINDINGS (+/- 5% TOL.)	36		L =	935 *
	TANK & FITTINGS (+/- 5% TOL.)	109		W =	460 *
	OIL (+/- 5% TOL.)	63		H =	1120
	TOTAL WEIGHT (+/- 10% TOL.)	262		TRANSFORMER TANK (+/- 5% TOL.)	
2	THICKNESS IN m.m.			L1 =	695 *
	TANK SIDE PLATES (MIN.)	3. 15		W1 =	270 *
	TOP & BOTTOM PLATES (MIN.)	5		H1/H2 =	575/585 *
			4	BUSHING CLEARANCES WITH ANGLE	
				L3 (H.V.) 255 *	PHASE TO PHASE
				L4 (L.V.) 75 *	PHASE TO PHASE
				L5 (H.V.) 205 *	PHASE TO EARTH
				L6 (L.V.) 5*	PHASE TO EARTH

Impulse Laboratory • H.V. Division • ERDA • Vadodara

Test Report No. RP-1920-009853
Date : 08/08/2019
Product : 10 KVA x'mer
Verified By : Dinesh
Verification of this drawing by ERDA is limited to relevent dimentional checks only. Verified dimensions are marked with *.

NOTE

1 SHAPE OF TANK: RECTANGULAR SHAPE
2 ALL DIMENSIONS ARE IM mm UNLESS OTHERWISE STATED.
3 METALLIC TIN PLATE: OPPOSITE SIDE OF COMBINED NAME PLATE
4 * NOT PROVIDED DURING TESTING

RAJASTHAN POWERGEN TRANSFORMER PVT. LTD.

KAROLA–BHINMAL ROAD KAROLA SANCHORE–343041

GENERAL ARRANGEMENT DRAWING
10 KVA 11/0.433 KV DIST. TRANSFORMER

DRG.NO.: RPTPL–GA–10KVA–02–2019

DATE: 30.05.2019