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Fax : +91 (0265) 2638382

E-mail : erda@erda.org

Web : http://www.erda.org

**TEST REPORT****ULR NO.:** TC538918000006385F

SHEET 1 OF 9

NAME & ADDRESS OF CUSTOMER RAJASTHAN POWERGEN TRANSFORMER PVT. LTD. Khasra No. 911-914, Karola-Bhinmal Road, Karola, Sanchoe, Rajasthan – 343 041 (INDIA)	REPORT NO.: RP-1819-034094 DATE: 03.12.2018								
SAMPLE DESCRIPTION 100 kVA Distribution Transformer 11000/433 Volts, 5.25/133.34 Amp., Oil filled, Vector Group: Dyn-11, ENERGY EFFICIENCY LEVEL: 3 Further details as per sheet No. 3 of 9.	CUSTOMER REF. No.: Nil	DATED: 16.11.2018							
	DATE OF SAMPLE RECEIPT: 13.11.2018	DATE OF TESTING: 20.11.2018 to 30.11.2018							
	SAMPLE IDENTIFICATION ERDA SAMPLE CODE NO.: ERDA-00286114 SERIAL NO.: RPTPL/MP/100/01 DRAWING NO.: RPTPL/RP/06 REV. No. 00 RPTPL/OGA/06 REV. No. 00 RPTPL/IC/06 REV. No. 00 YEAR OF MFG.: 2018								
<table border="0"> <tr> <td> TEST DETAILS Short-circuit withstand test [Cl. No. (17 & 21.3 c)] ENCLOSURES: Number of oscillograms : Eleven Number of photograph : One Number of test circuit diagram : One Number of drawings : Three </td> <td> TEST SPECIFICATIONS IS 1180 (Part 1): 2014 [Amendment No. 1 & 2] </td> </tr> <tr> <td colspan="2"> REMARKS: The sample conforms to the requirements of standard for short-circuit withstand test. </td> </tr> <tr> <td> PREPARED BY  </td> <td> CHECKED BY  </td> <td> APPROVED BY J. R. TAHILWANI </td> </tr> </table>			TEST DETAILS Short-circuit withstand test [Cl. No. (17 & 21.3 c)] ENCLOSURES: Number of oscillograms : Eleven Number of photograph : One Number of test circuit diagram : One Number of drawings : Three	TEST SPECIFICATIONS IS 1180 (Part 1): 2014 [Amendment No. 1 & 2]	REMARKS: The sample conforms to the requirements of standard for short-circuit withstand test.		PREPARED BY 	CHECKED BY 	APPROVED BY J. R. TAHILWANI
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PREPARED BY 	CHECKED BY 	APPROVED BY J. R. TAHILWANI							

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SHEET 2 OF 9

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5. Oscillogram No.	0979/01 to 0979/11
6. Photograph No.	1819-012431/0913
7. Test circuit diagram No.	OLSC/DTC/01
8. Drawing No.	RPTPL/RP/06 REV. No. 00 RPTPL/OGA/06 REV. No. 00 RPTPL/IC/06 REV. No. 00

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DATE: 03.12.2018

TECHNICAL SPECIFICATIONS OF TEST OBJECT ASSIGNED BY CUSTOMER

- | | |
|-------------------------------------|--|
| 1. Name of manufacturer | : RAJASTHAN POWERGEN TRANSFORMER PVT. LTD. |
| 2. Equipment | : 100 kVA Distribution Transformer |
| 3. Standard No. | : [Cl. No. (17 & 21.3 c)] of
IS 1180 (Part 1): 2014
[Amendment No. 1 & 2] |
| 4. Serial No. | : RPTPL/MP/100/01 |
| 5. Energy efficiency level | : 3 |
| 6. Type | : Outdoor, Oil Cooled, Non Sealed type,
Amorphous shell type, Non circular coil |
| 7. kVA rating | : 100 |
| 8. Rated voltage H.V. (Volts) | : 11000 |
| L.V. (Volts) | : 433 |
| 9. Rated current H.V. (Amp.) | : 5.25 |
| L.V. (Amp.) | : 133.34 |
| 10. Number of phases | : 3 |
| 11. Connection H.V./L.V. | : Delta/Star |
| 12. Frequency (Hz.) | : 50 |
| 13. Type of cooling | : ONAN |
| 14. Temperature rise of oil/winding | : 35°C/40°C |
| 15. Percentage Impedance | : 4.5% |
| 16. Primary winding conductor | : DPC Aluminium wire, bare dia. 1.76mm |
| 17. Secondary winding conductor | : DPC Aluminium strip, bare size
(9.6mm x 3.6mm) x 3 Nos. in parallel |
| 18. Quantity of oil (Litre) | : 198 |
| 19. Weight of oil (kg.) | : 164 |
| 20. Total weight (kg.) | : 707 |
| 21. Vector group | : Dyn-11 |
| 22. Year of manufacture | : 2018 |
| 23. Insulation level H.V. | : 28 kVrms |
| 24. Insulation level L.V. | : 03 kVrms |
| 25. Total losses at 75°C (Watts) | : 435 Max. (at 50 % load) |
| 26. Total losses at 75°C (Watts) | : 1500 Max. (at 100 % load) |

S.V. Patel

PREPARED BY

Saini

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SHEET 4 OF 9

DATE: 03.12.2018**ROUTINE TEST RESULTS BEFORE SHORT CIRCUIT****a) MEASUREMENT OF WINDING RESISTANCE**

Measurement at average oil temperature: 26.3°C					
LV Winding resistance (mΩ)			HV Winding Resistance (Ω)		
u - v	v - w	w - u	U - V	V - W	W - U
18.670	18.650	18.672	14.883	14.934	14.995

b) MEASUREMENT OF VOLTAGE RATIO AND CHECK OF PHASE DISPLACEMENT

Vector group: Dyn-11 was verified.

Rated turns Ratio	Measured turns ratio between Terminals					
	U-V/u-n	Difference %	V-W/v-n	Difference %	W-U/w-n	Difference %
44.001	44.041	0.091	44.046	0.102	44.022	0.048

c) MEASUREMENT OF SHORT-CIRCUIT IMPEDANCE AND LOAD LOSS (at 100 % load)

Average oil temp.: 28.4°C

Test current (Amp.) I _{avg}	Impedance voltage (V) V _{avg}	Frequency (Hz.)	Load loss measured (Watts)	Impedance Voltage (%Z) at 50 Hz.	Load loss computed at 75°C (Watts)	%Z at 75°C
5.244	528.516	50.015	1187.610	4.809	1387	4.861

d) MEASUREMENT OF LOAD LOSS (at 50 % load)

Average oil temp.: 28.4°C

Test current (Amp.) I _{avg}	Impedance voltage (V) V _{avg}	Frequency (Hz.)	Load loss measured (Watts)	Load loss computed at 75°C (Watts)
2.625	264.118	50.007	296.580	346

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DATE: 03.12.2018**e) MEASUREMENT OF NO-LOAD LOSS AND CURRENT**

Average oil temp.: 28.4°C

Applied Voltage (V) Vavg.	Current (Amp.) Iavg.	Frequency (Hz.)	Losses Measured (Watts)
433.105	0.258	50.061	58

- Total losses at 75°C: 404 Watts (at 50 % load)
- Total losses at 75°C: 1445 Watts (at 100% load)

f) MEASUREMENT OF INSULATION RESISTANCE

Average oil temp.: 26.3°C

Measured between	DC Test Voltage (V)	IR value (MΩ)
HV to LV winding	2500	> 2000
HV winding to LV + EARTH	2500	> 2000
LV winding to HV + EARTH	500	> 2000

g) INDUCED OVER-VOLTAGE WITHSTAND TEST

Sr. No.	Test	Applied voltage (V)	Applied Freq. (Hz.)	Duration (sec.)	Remarks
1.	Between LV windings with tank connected to earth.	866	100	60	Withstood

h) SEPARATE-SOURCE VOLTAGE WITHSTAND TEST

Sr. no.	Test	Applied voltage (kV)	Duration (sec.)	Remarks
1.	Between HV winding and LV winding connected to the tank and earth	28	60	Withstood
2.	Between LV winding and HV winding connected to the tank and earth	03	60	Withstood

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DATE: 03.12.2018**SHORT-CIRCUIT WITHSTAND TEST:**

The verification of the short-circuit withstand test was performed on the high voltage winding connected to three phase-balanced source and low voltage winding short circuited through current measuring instruments. Test conducted with pre set short circuit as per schematic circuit diagram No.: OLSC/DTC/01.

Condition of the equipment under test: As after routine tests.

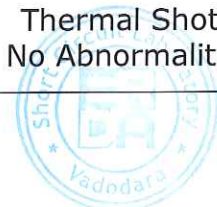
Supply Frequency: 50 Hz.

Test No.	Oscillogram No.	Applied voltage (kVrms)	Short circuit current on LV (A)			Duration (sec.)	Remarks
			Peak	RMS	Avg.		
1.	0979/01	-	4584	2185	2121	0.1	Calibration shot
			-	2157			
			-	2021			
2.	0979/02	11	-	2766	2670	0.5	No Abnormality
			5475	2710			
			-	2535			
3.	0979/03	11	-	2734	2653	0.5	No Abnormality
			5656	2703			
			-	2522			
4.	0979/04	11	-	2729	2644	0.5	No Abnormality
			5400	2683			
			-	2520			
5.	0979/05	11	-	2713	2630	0.5	No Abnormality
			-	2673			
			5537	2503			
6.	0979/06	11	-	2699	2619	0.5	No Abnormality
			-	2650			
			5415	2509			
7.	0979/07	11	-	2701	2618	0.5	No Abnormality
			-	2654			
			5629	2499			
8.	0979/08	11	5591	2687	2607	0.5	No Abnormality
			-	2652			
			-	2482			
9.	0979/09	11	5484	2677	2601	0.5	No Abnormality
			-	2650			
			-	2477			
10.	0979/10	11	5402	2681	2602	0.5	No Abnormality
			-	2644			
			-	2482			
11.	0979/11	11	-	2684	2603	2.0	Thermal Shot
			5499	2635			No Abnormality
			-	2490			

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DATE: 03.12.2018**Measurement of the % reactance during the short circuit test**

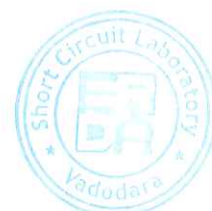
LV winding was short circuited. Three phase AC supply was connected to HV winding to pass test current. Before the short circuit test and after each shot, the percentage reactance was measured.

Sr. No.	Measurement performed		Measured value of % reactance at 50 Hz.			%Change in % reactance		
			U	V	W	U	V	W
1.	Before test		4.70	4.64	4.74	-	-	-
2.	After the test no.	2.	4.73	4.66	4.77	0.64	0.43	0.63
3.	After the test no.	3.	4.75	4.68	4.77	1.06	0.86	0.63
4.	After the test no.	4.	4.75	4.69	4.78	1.06	1.08	0.84
5.	After the test no.	5.	4.75	4.69	4.79	1.06	1.08	1.05
6.	After the test no.	6.	4.75	4.70	4.79	1.06	1.29	1.05
7.	After the test no.	7.	4.76	4.70	4.79	1.28	1.29	1.05
8.	After the test no.	8.	4.76	4.70	4.79	1.28	1.29	1.05
9.	After the test no.	9.	4.76	4.70	4.79	1.28	1.29	1.05
10.	After the test no.	10.	4.76	4.70	4.79	1.28	1.29	1.05
11.	After the test no.	11.	4.77	4.71	4.80	1.49	1.51	1.27

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DATE: 03.12.2018**ROUTINE TEST RESULTS AFTER SHORT CIRCUIT****a) MEASUREMENT OF WINDING RESISTANCE**

Measurement at average oil temperature: 33.3°C					
LV Winding resistance (mΩ)			HV Winding Resistance (Ω)		
u - v	v - w	w - u	U - V	V - W	W - U
19.480	19.449	19.484	15.487	15.500	15.588

b) MEASUREMENT OF VOLTAGE RATIO AND CHECK OF PHASE DISPLACEMENT

Vector group: Dyn-11 was verified.

Rated turns Ratio	Measured turns ratio between Terminals					
	U-V/u-n	Difference %	V-W/v-n	Difference %	W-U/w-n	Difference %
44.001	44.039	0.086	44.044	0.098	44.023	0.050

c) MEASUREMENT OF SHORT-CIRCUIT IMPEDANCE AND LOAD LOSS (at 100 % load)

Average oil temp.: 33.4°C

Test current (Amp.) I _{avg}	Impedance voltage (V) V _{avg}	Frequency (Hz.)	Load loss measured (Watts)	Impedance Voltage (%Z) at 50 Hz.	Load loss computed at 75°C (Watts)	%Z at 75°C
5.243	536.780	50.039	1233.760	4.882	1414	4.930

d) MEASUREMENT OF LOAD LOSS (at 50 % load)

Average oil temp.: 33.4°C

Test current (Amp.) I _{avg}	Impedance voltage (V) V _{avg}	Frequency (Hz.)	Load loss measured (Watts)	Load loss computed at 75°C (Watts)
2.623	268.037	50.030	307.820	353

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DATE: 03.12.2018**e) MEASUREMENT OF NO-LOAD LOSS AND CURRENT**

Average oil temp.: 33.4°C

Applied Voltage (V) Vavg.	Current (Amp.) Iavg.	Frequency (Hz.)	Losses Measured (Watts)
433.273	0.413	50.064	64

- Total losses at 75°C: 417 Watts (at 50 % load)
- Total losses at 75°C: 1478 Watts (at 100% load)

f) MEASUREMENT OF INSULATION RESISTANCE

Average oil temp.: 33.3°C

Measured between	DC Test Voltage (V)	IR value (MΩ)
HV to LV winding	2500	> 2000
HV winding to LV + EARTH	2500	> 2000
LV winding to HV + EARTH	500	> 2000

g) INDUCED OVER-VOLTAGE WITHSTAND TEST

Sr. No.	Test	Applied voltage (V)	Applied Freq. (Hz.)	Duration (sec.)	Remarks
1.	Between LV windings with tank connected to earth	866	100	60	Withstood

h) SEPARATE-SOURCE VOLTAGE WITHSTAND TEST

Sr. No.	Test	Applied voltage (kV)	Duration (sec.)	Remarks
1.	Between HV winding and LV winding connected to the tank and earth	28	60	Withstood
2.	Between LV winding and HV winding connected to the tank and earth	03	60	Withstood

Observation after test: The transformer was untanked and inspected.

- Condition of conductor, core and clamping:
 - No visible damage, deformation or displacement.
- Condition of oil : Clear

Results: 1) % Change in % reactance is within tolerance limits as per standard.
 2) The results of routine tests carried out before and after the short-circuit withstand test found within limits as per standard.

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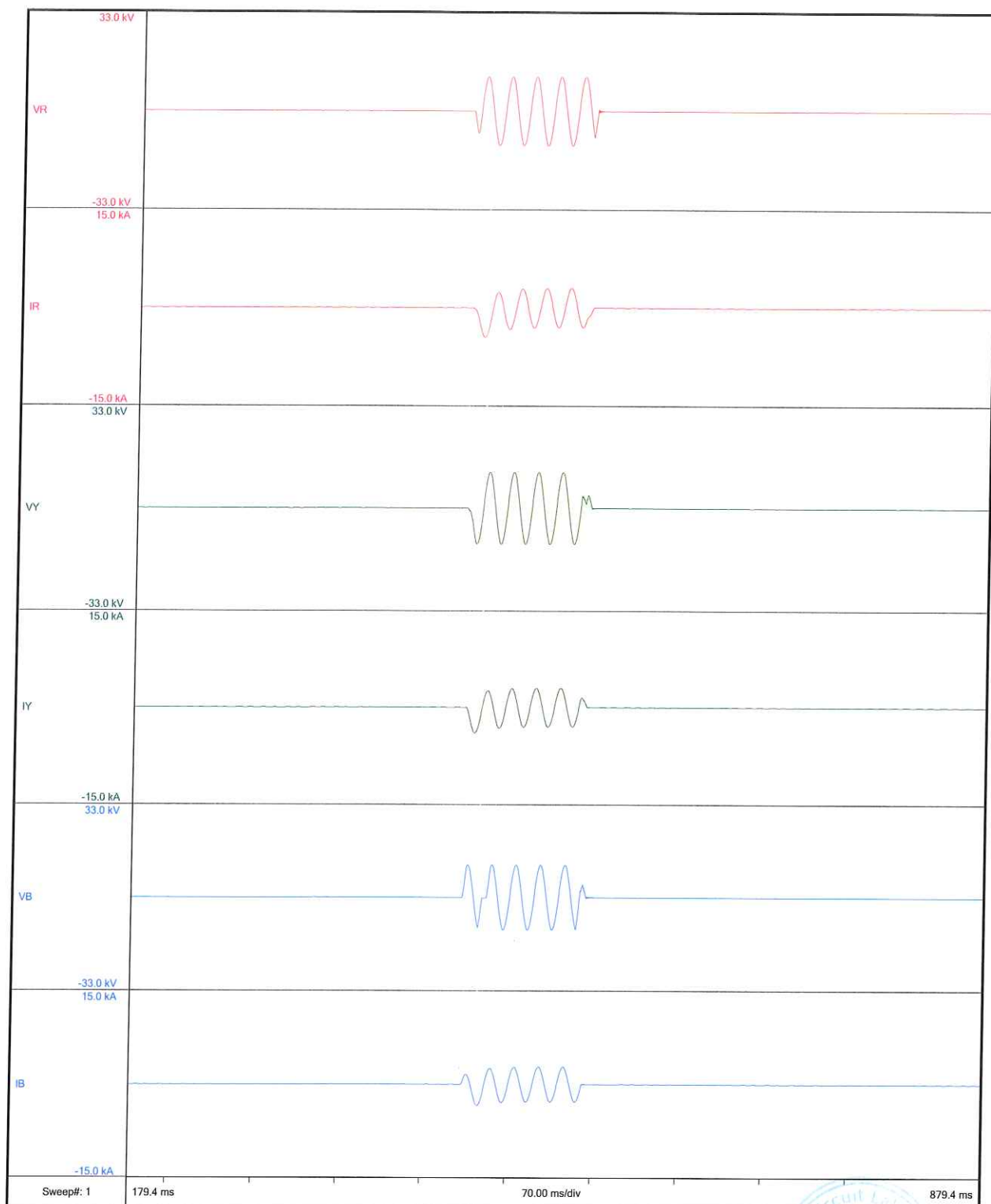
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OSCILLOGRAM NO. : 0979/01

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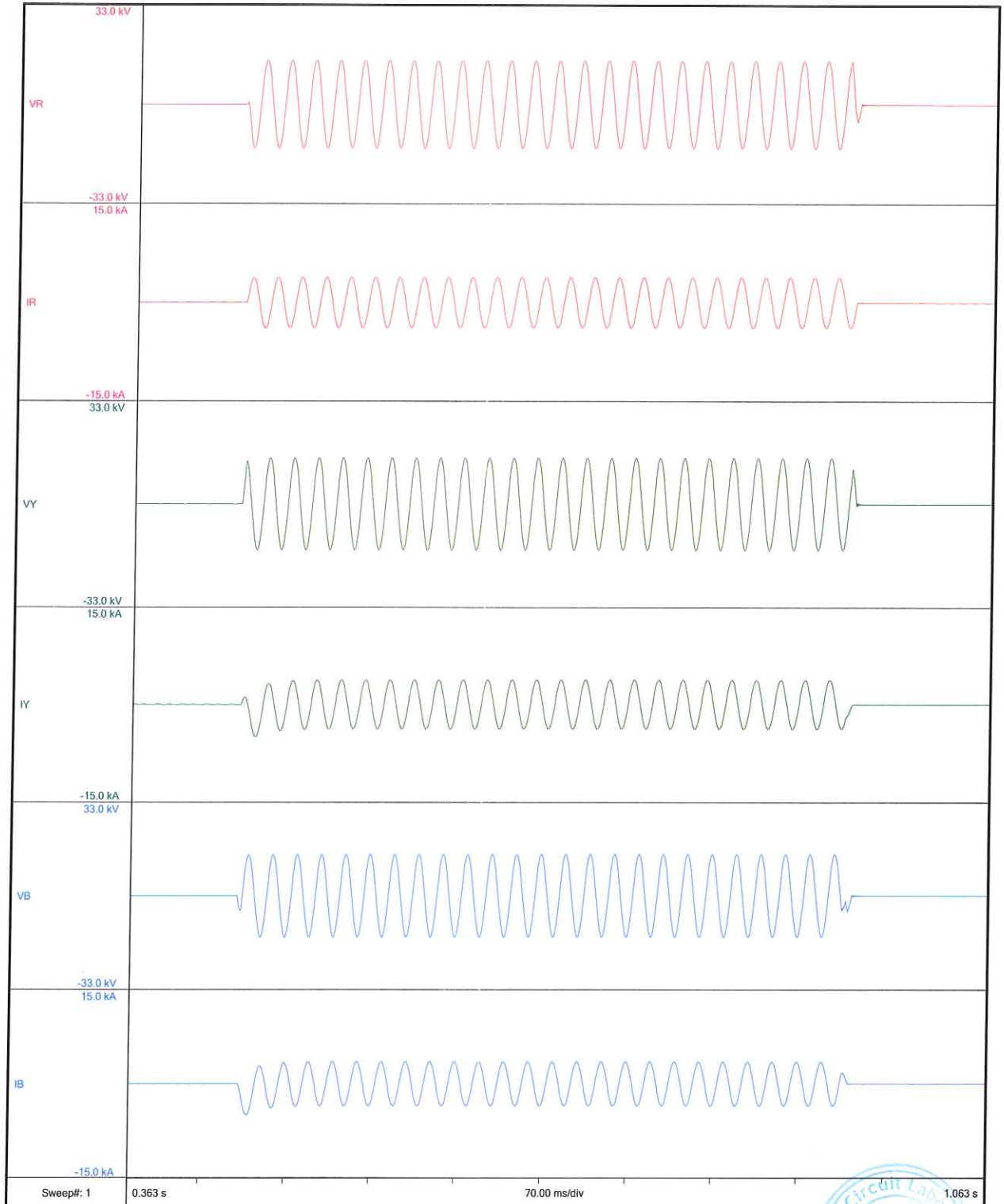
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OSCILLOGRAM NO. : 0979/02





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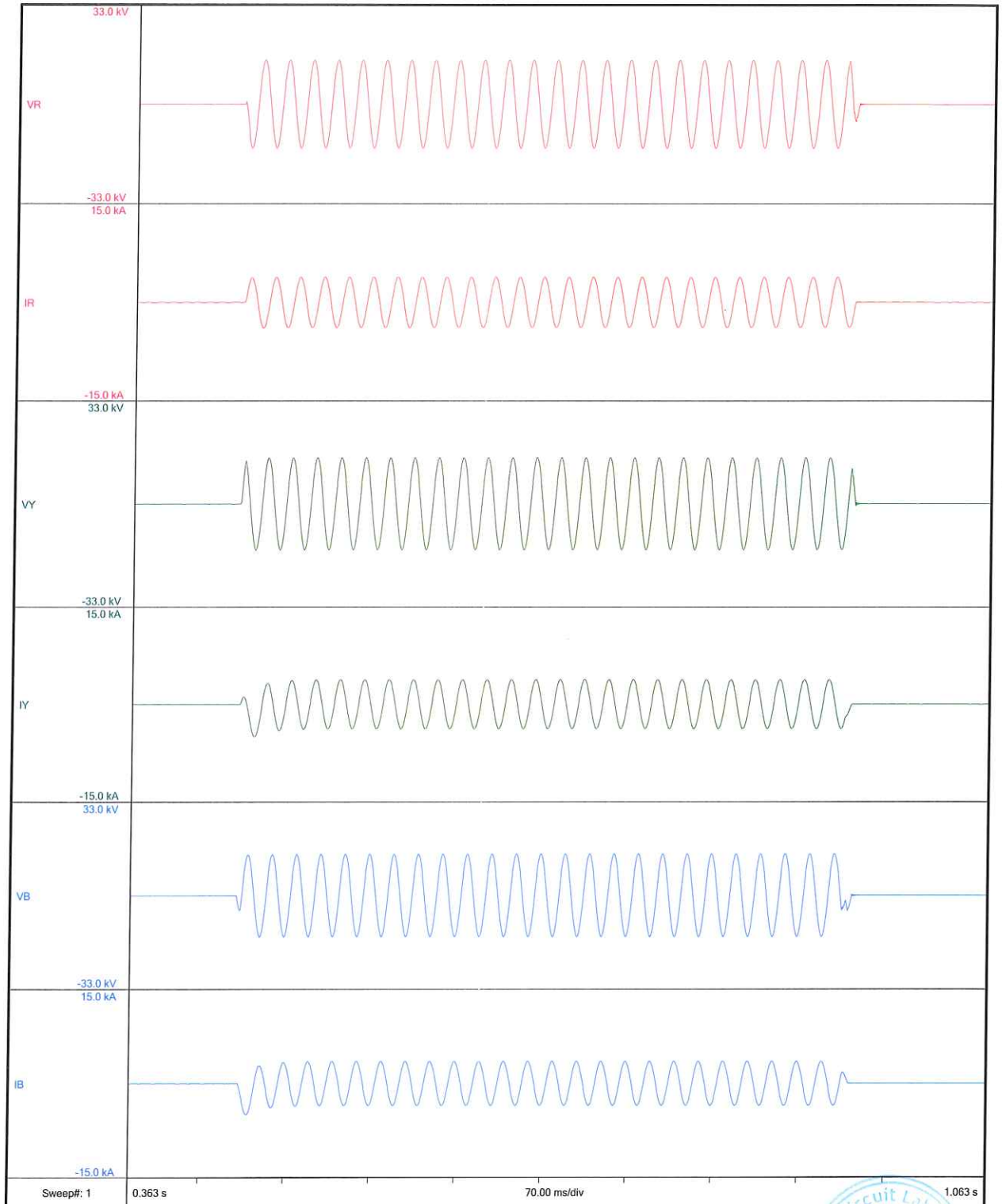
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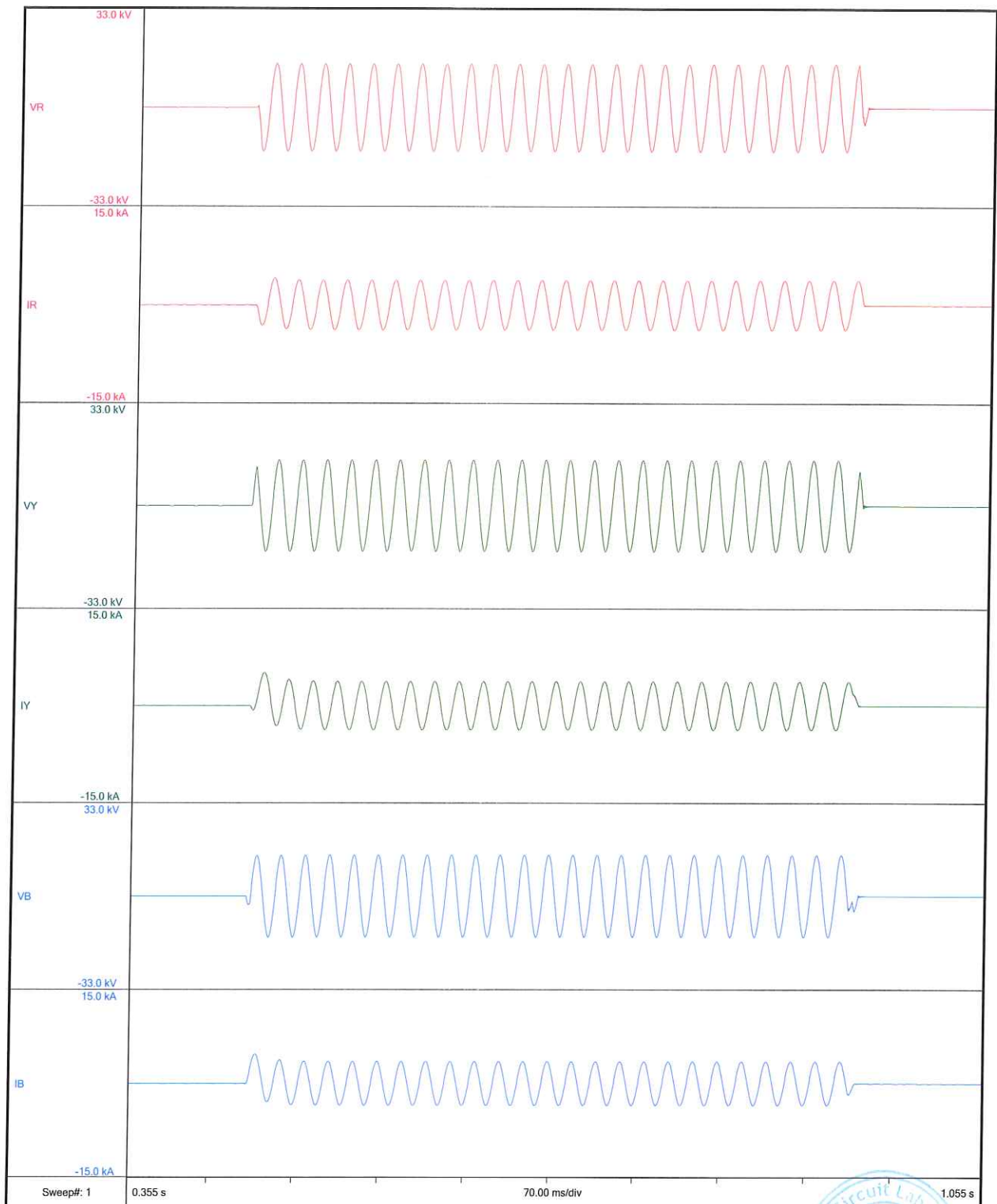
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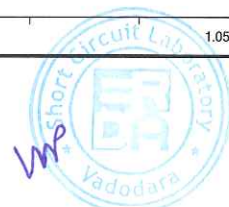
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OSCILLOGRAM NO. : 0979/04





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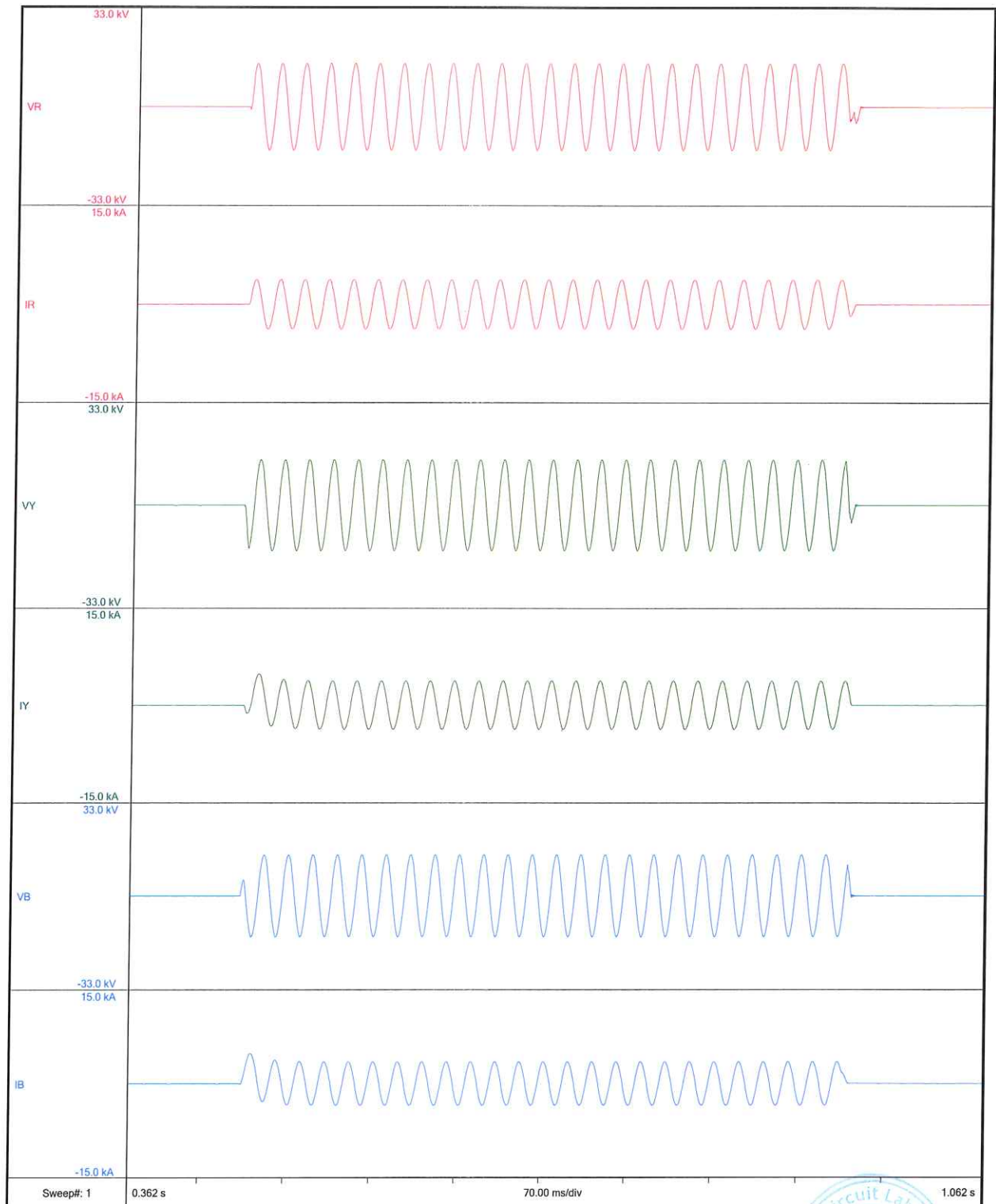
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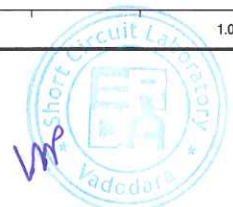
REPORT NO.: RP-1819-034094

DATE: 03.12.2018



TC 2661985

OSCILLOGRAM NO. : 0979/05





Certificate No. : TC-5389

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Fax : +91 (0265) 2638382

E-mail : erda@erda.org

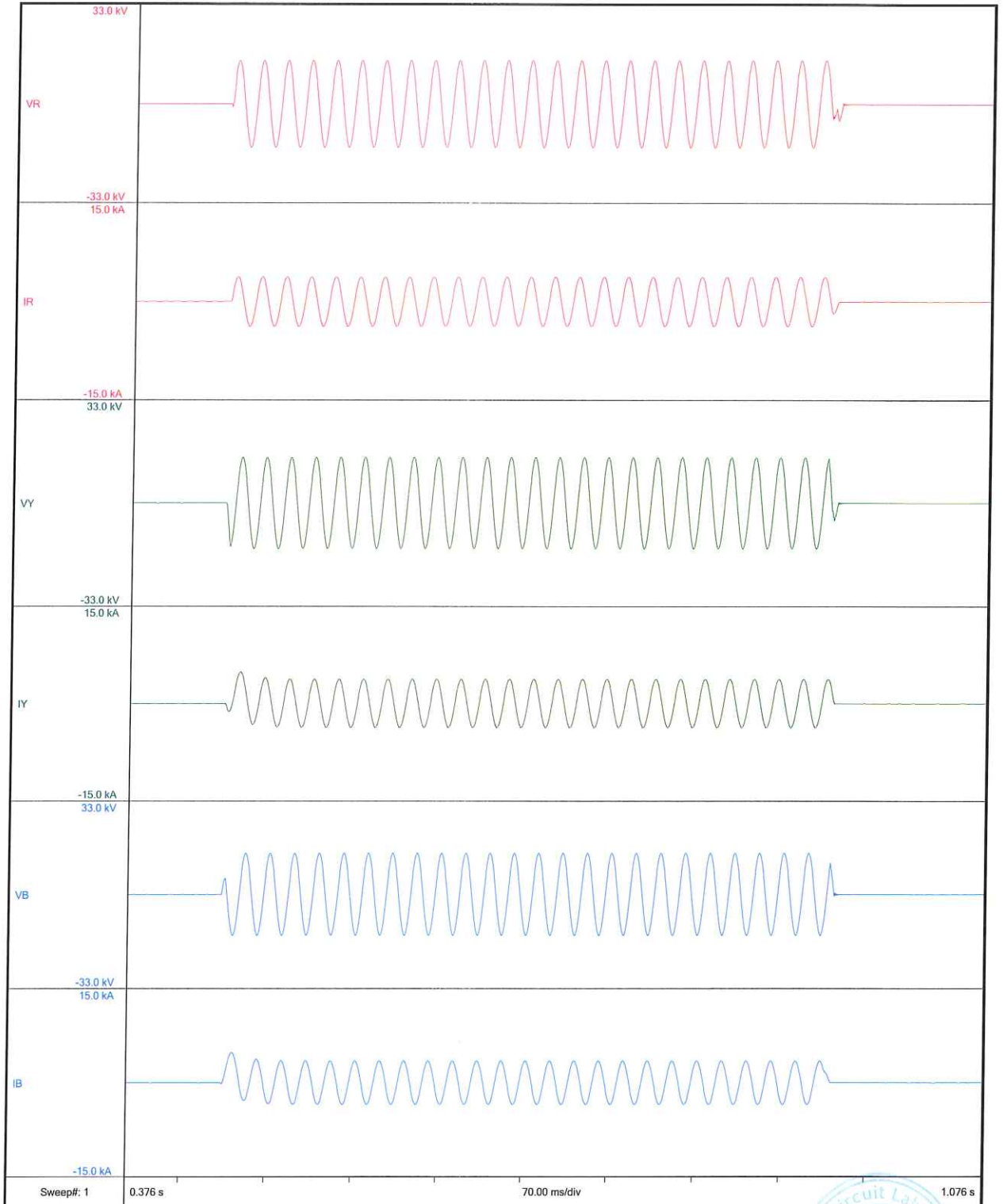
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ULR NO.: TC538918000006385F

REPORT NO.: RP-1819-034094

DATE: 03.12.2018



TC 2661986

OSCILLOGRAM NO. : 0979/06





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Fax : +91 (0265) 2638382

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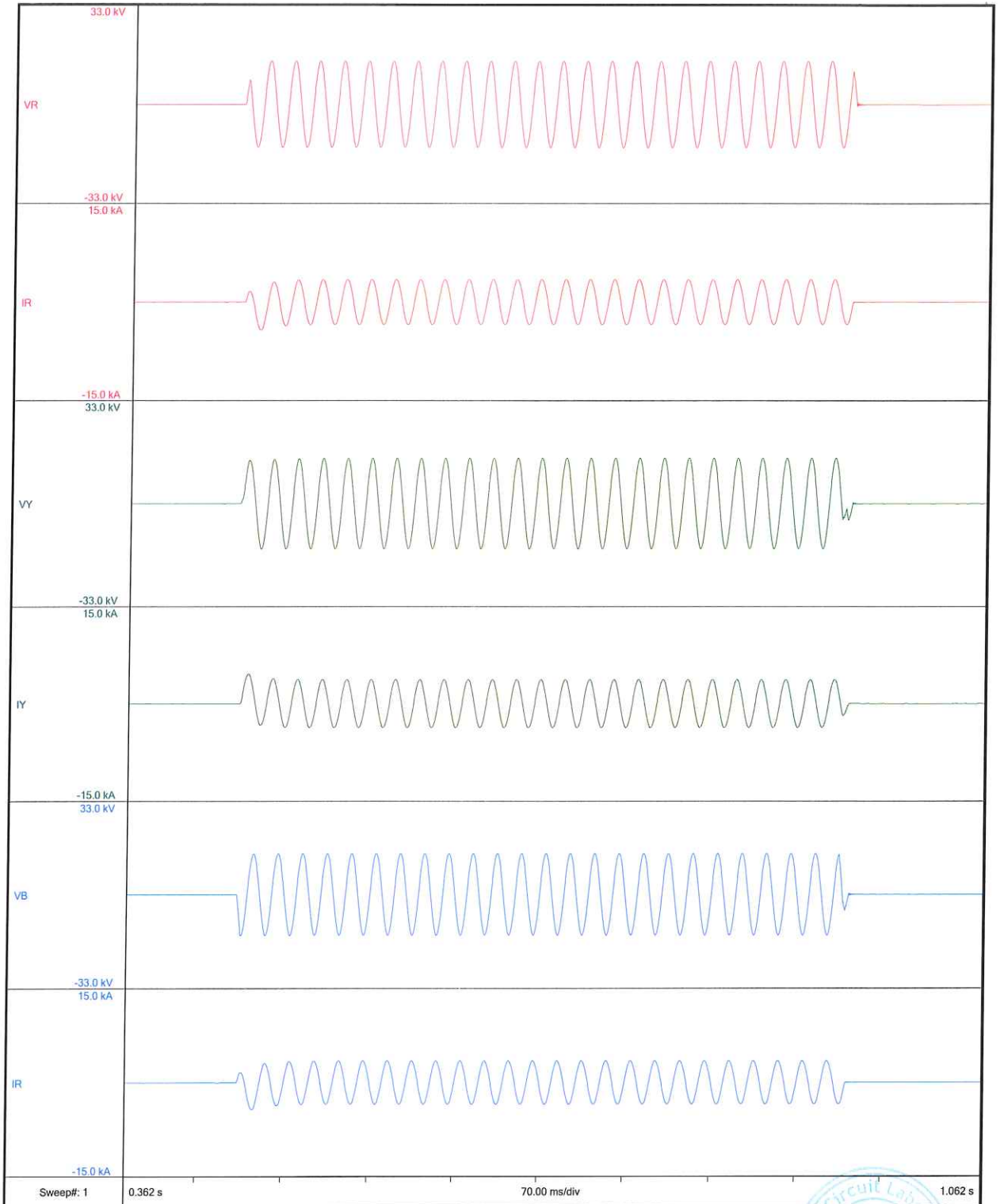
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ULR NO.: TC538918000006385F

REPORT NO.: RP-1819-034094

DATE: 03.12.2018



OSCILLOGRAM NO. : 0979/07



TC 2661987



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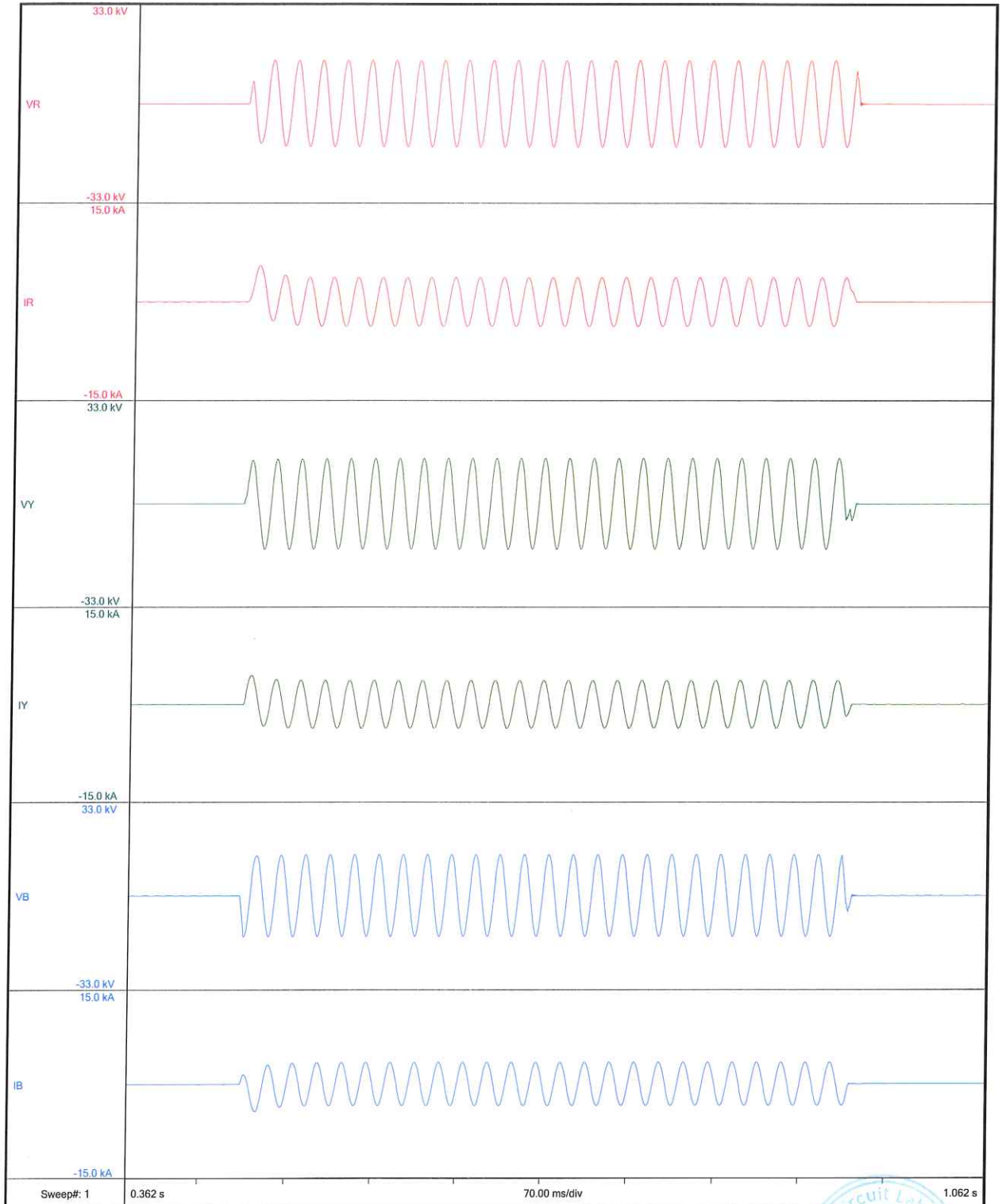
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ULR NO.: TC538918000006385F

REPORT NO.: RP-1819-034094

DATE: 03.12.2018



OSCILLOGRAM NO. : 0979/08



TC 2661988



Certificate No. : TC-5389

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Fax : +91 (0265) 2638382

E-mail : erda@erda.org

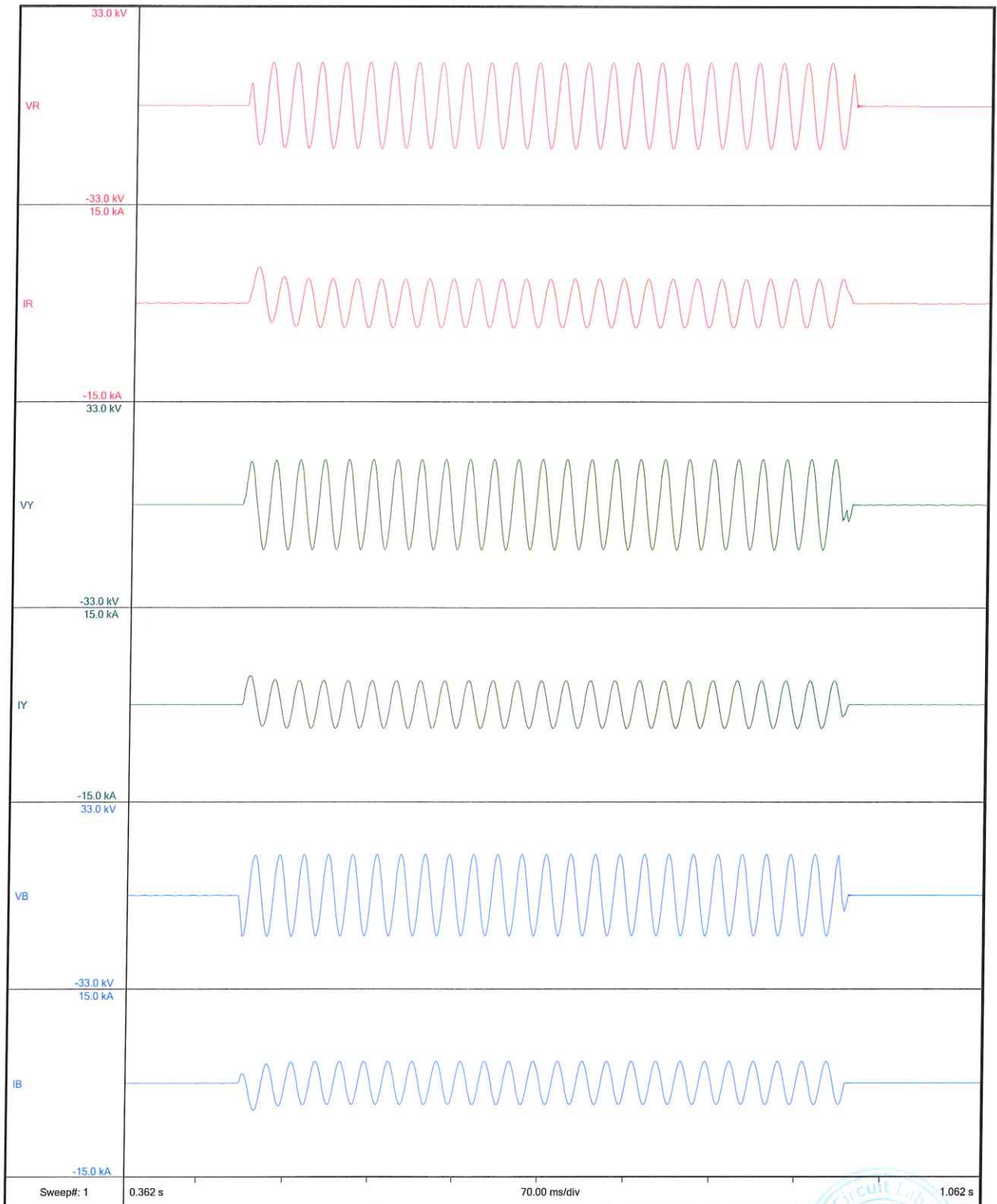
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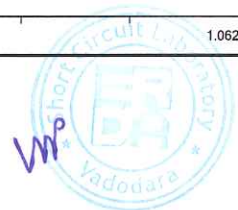
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REPORT NO.: RP-1819-034094

DATE: 03.12.2018



OSCILLOGRAM NO. : 0979/09



TC 2661989



Certificate No. : TC-5389

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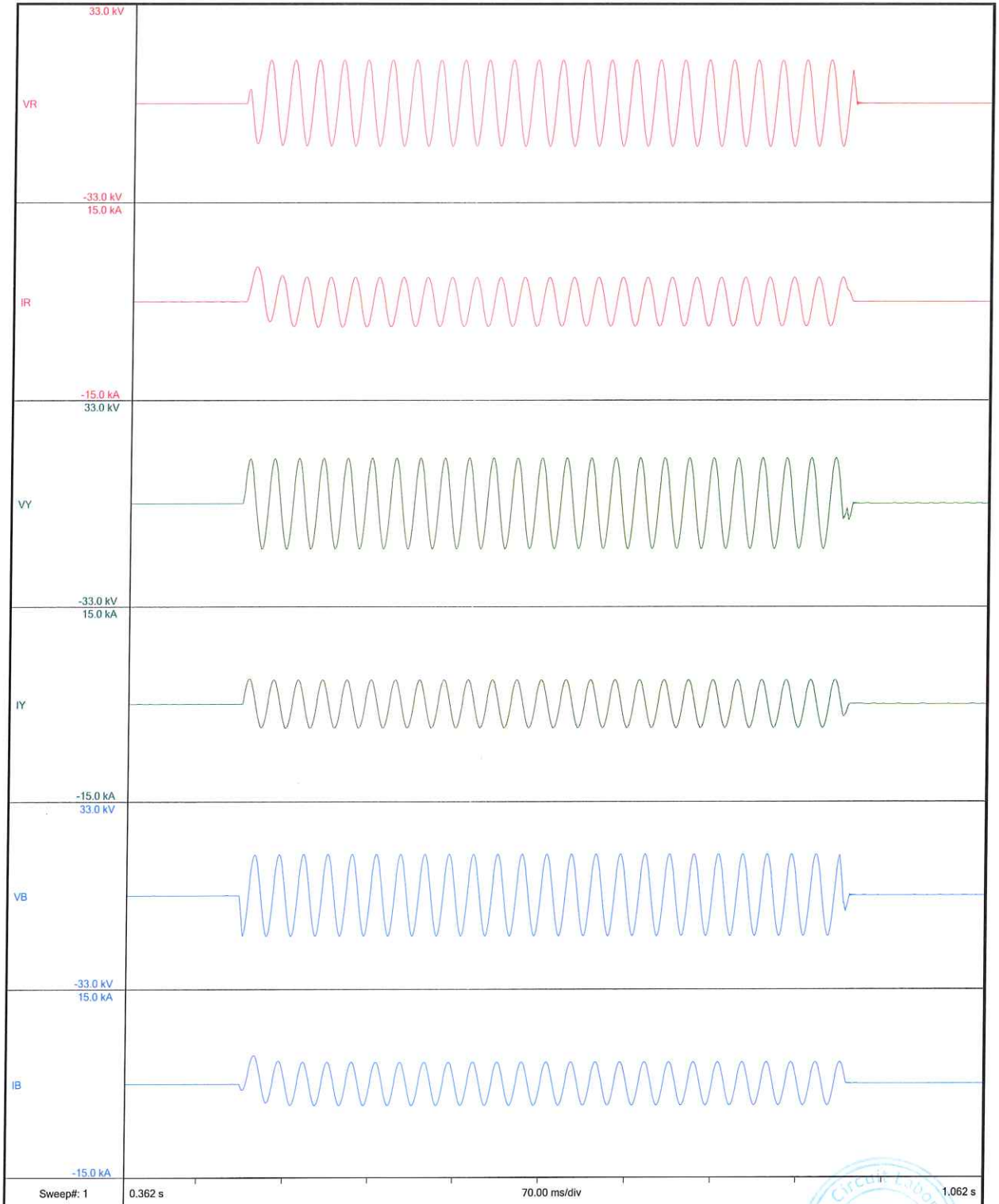
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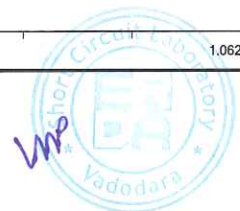
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DATE: 03.12.2018



OSCILLOGRAM NO. : 0979/10

TC 2661990





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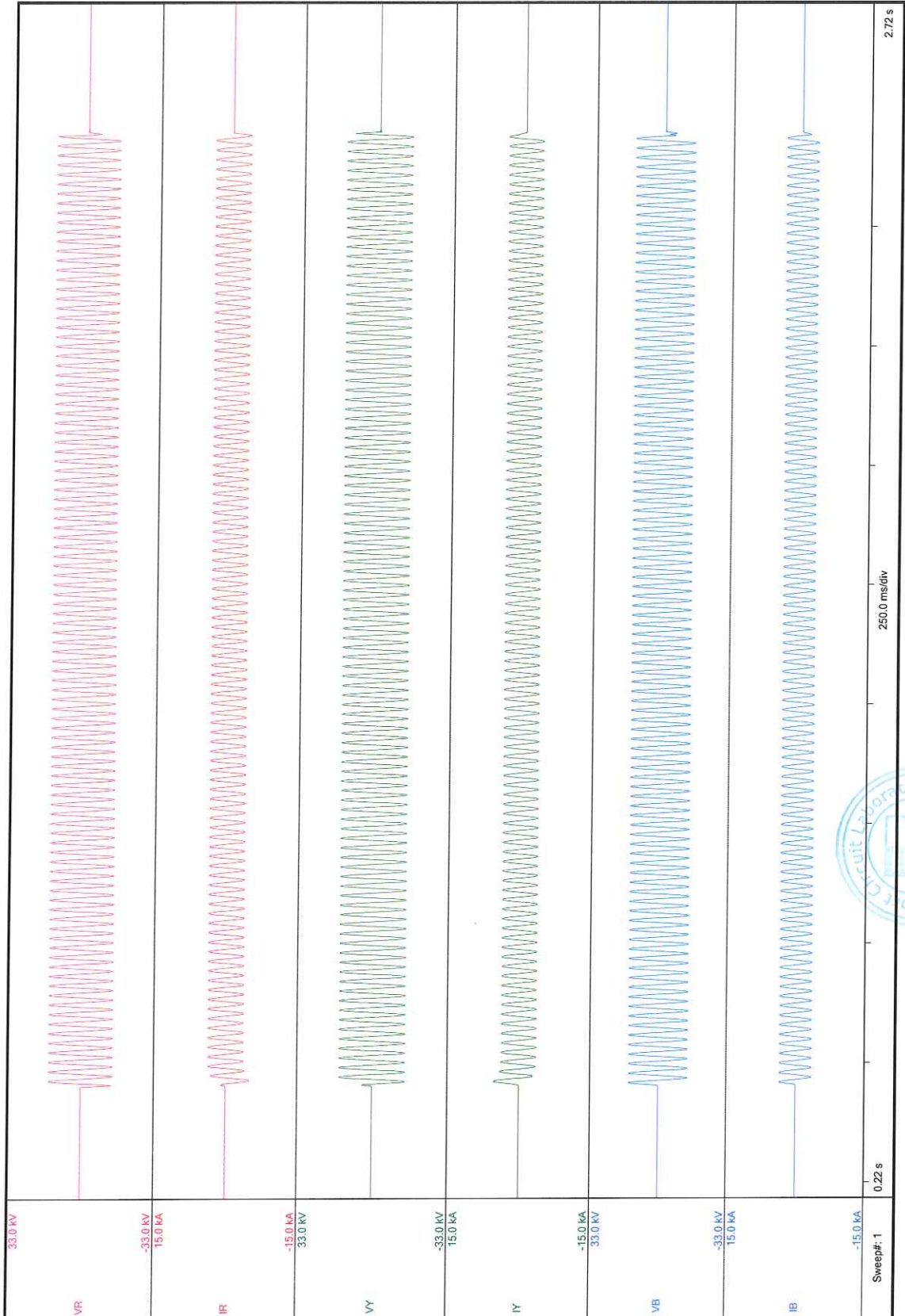
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ULR NO.: TC538918000006385F

REPORT NO.: RP-1819-034094

DATE: 03.12.2018



OSCILLOGRAM NO.:0979/11

TC 2661991



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Fax : +91 (0265) 2638382

E-mail : erda@erda.org

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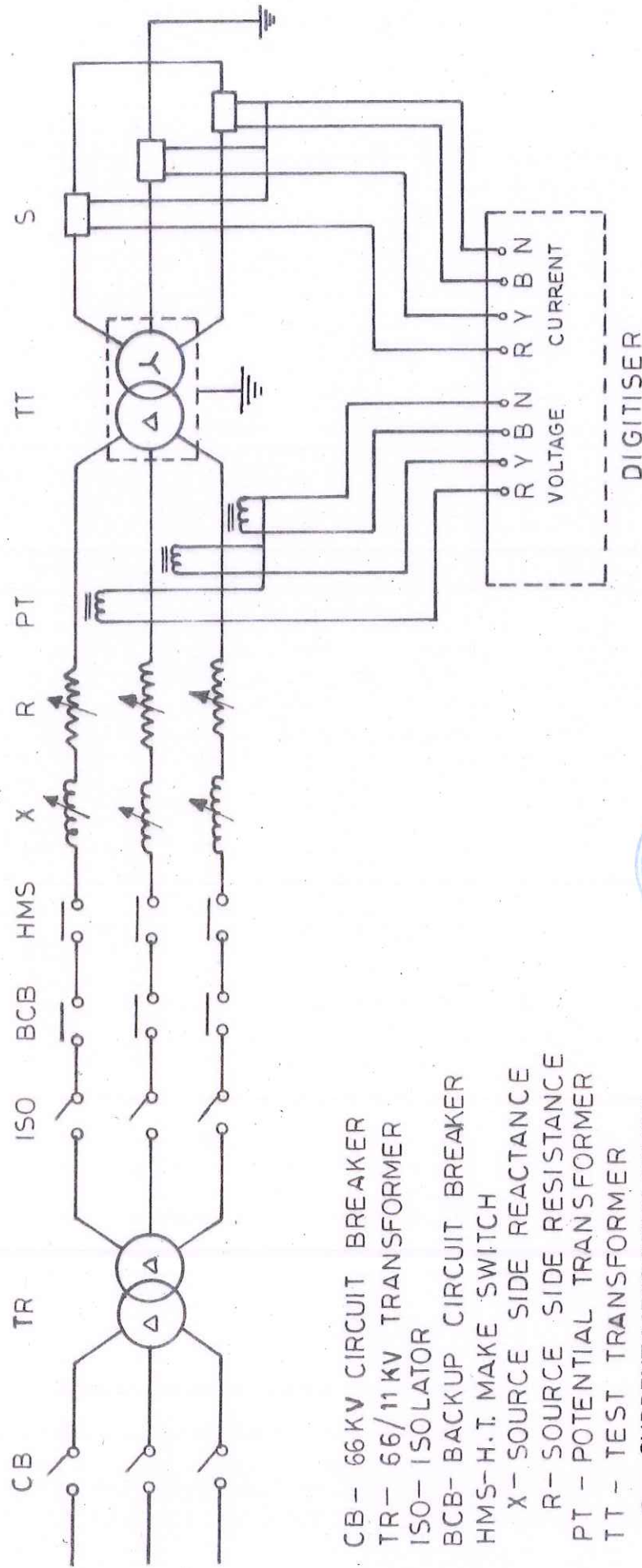
ULR NO.: TC538918000006385F

REPORT NO.: RP-1819-034094

DATE: 03.12.2018



DISTRIBUTION TRANSFORMER			
RAJASTHAN POWERGEN TRANSFORMER PVT. LTD.			
JALORE, RAJASTHAN			
3 PHASE TRANSFORMER			
STANDARD	IS : 1180 (Part 1) 2014	ENERGY EFFICIENCY LEVEL	3
KVA	100	MAX. TOTAL LOSS AT 98% L. W	435
VOLTS AT NO LOAD	HV 11000	MAX. TOTAL LOSS AT 100% L. W	1500
	LV 433	TYPE OF COOLING	ONAN
BIL (kV Peak)	HV 1.5	OIL TEMP. RISE °C	35
	LV NA	WINDING TEMP. RISE °C	40
CURRENT (A)	HV 5.25	MASS OF OIL kg	164
	LV 133.34	TOTAL MASS kg	707
FREQUENCY	Hz 50	VOLUME OF OIL Ltr	198
VECTOR GROUP	Dyn11	MONTH & YEAR OF MFG	
IMPEDANCE VOLT %	4.5	SERIAL NO.	
CUSTOMER	M/s. MPPKVVCL		
P.O. No.			
MADE IN INDIA			
L.V. (Y) 2n 2u 2v 2w 1U 1V 1W			
H.V. (Δ)		VECTOR GROUP-Dyn11	



CB- 66 KV CIRCUIT BREAKER
 TR- 66/11KV TRANSFORMER
 ISO- ISOLATOR
 BCB- BACKUP CIRCUIT BREAKER
 HMS- H.T. MAKE SWITCH
 X- SOURCE SIDE REACTANCE
 R- SOURCE SIDE RESISTANCE
 PT - POTENTIAL TRANSFORMER
 TT - TEST TRANSFORMER
 S- CURRENT MEASURING DEVICE



REPORT NO.: RP-1819-034094
 DATE: 03.12.2018

ELECTRICAL RESEARCH AND
DEVELOPMENT ASSOCIATION

SCHEMATIC CIRCUIT DIAGRAM

DRN. BY	CK'D.	DATE	DRG. NO.
S.B.S.	M.B.M	27-1-98	OLSC/DTC/01

DISTRIBUTION TRANSFORMER

RAJASTHAN POWERGEN TRANSFORMER PVT LTD
JALORE, RAJASTHAN

3 PHASE TRANSFORMER

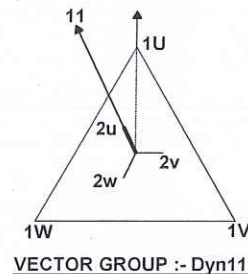
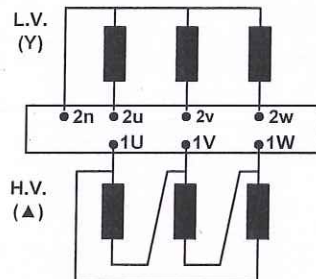
STANDARD	IS : 1180 (Part-1)/2014	ENERGY EFFICIENCY LEVEL	3
KVA	100	MAX. TOTAL LOSS AT 50% L. W	435
VOLTS AT NO LOAD (V)	HV 11000 LV 433	MAX. TOTAL LOSS AT 100% L. W	1500
BIL (kV Peak)	HV 75 LV NA	TYPE OF COOLING	ONAN
CURRENT (A)	HV 5.25 LV 133.34	OIL TEMP. RISE °C	35
FREQUENCY Hz	50	WINDING TEMP. RISE °C	40
VECTOR GROUP	Dyn11	MASS OF OIL kg	164
IMPEDANCE VOLT %	4.5	TOTAL MASS kg	707
		VOLUME OF OIL Ltr	198
		MONTH & YEAR OF MFG.	2018
		SERIAL NO.	RPTPL/MP/100/01

CUSTOMER
P.O. No.

M/s MPPKVVCL

*

MADE IN INDIA



VECTOR GROUP :- Dyn11



NOTES :-

- 1- '*' MARKED ITEMS SHOULD BE PUNCHED AT THE TIME OF DISPATCH.
- 2- MATERIAL - ALUMINIUM ANODIZED
- 3- ALL DIMENSIONS ARE IN MM.

Test Report No. RP-1819-034094
Date 03.12.2018
Product 100 kVA D-7
Verified by [Signature]
Verification of this drawing by ERDA is limited to relevant dimensional checks only.
Verified dimensions are marked with **

REVISIONS

RAJASTHAN POWERGEN TRANSFORMER P. LTD.

Title:

RATING AND DIAGRAM PLATE

Rating:

100 KVA, 11/0.433KV, 3Ø, 50 Hz, ONAN,

Aluminium Wound, Amorphous core, Distribution Transformer

Buyer's Reference:

MPPKVVCL

ALUMINIUM WOUND
AMORPHOUS CORE
ENERGY EFFICIENCY LEVEL 3



Scale
N.T.S.

DRN BY

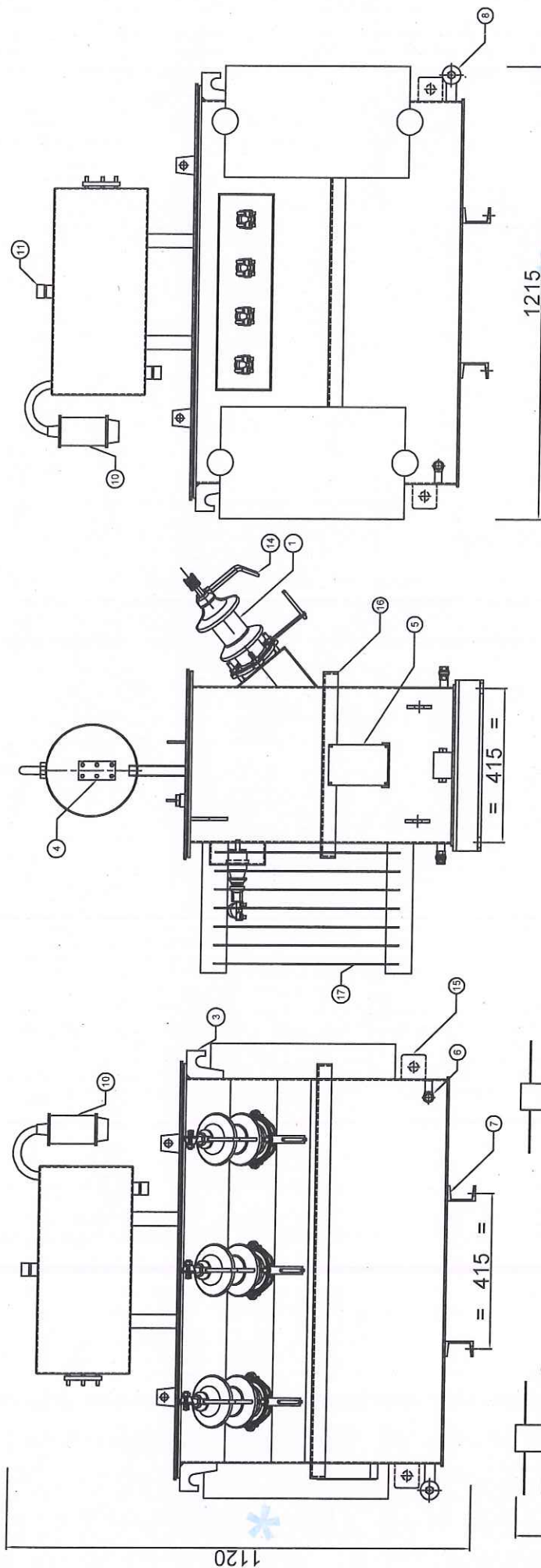
DATE : 12.09.18

REV.No.

DRAWING No.

RPTPL/RP/06

00

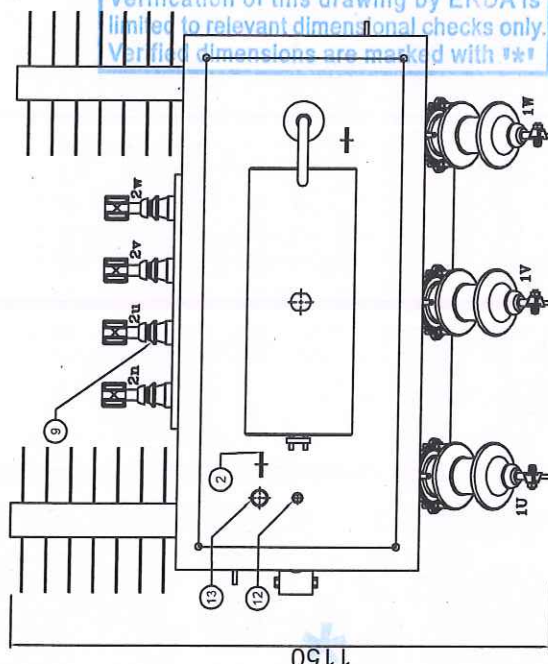


Conservator Dimensions		
Diameter	240	480
Length		

Tank Inside Dimensions		
Length	1020	
Width	420	
Height	585/565	

WEIGHTS / QTY.		
TRANSFORMER OIL	Ltrs.	198
TOTAL TRANSFORMER	Kg.	707
TRANSFORMER OIL	Kg.	164
TANK & FITTINGS	Kg.	176
INTERNAL ASSEMBLY	Kg.	367

Test Report No. RP-1819-031094
 Date 03.12.2018
 Product 100 KVA D.T.
 Verified by Wp
 Verification of this drawing by ERDA is limited to relevant dimensional checks only.
 Verified dimensions are marked with **



Notes :-

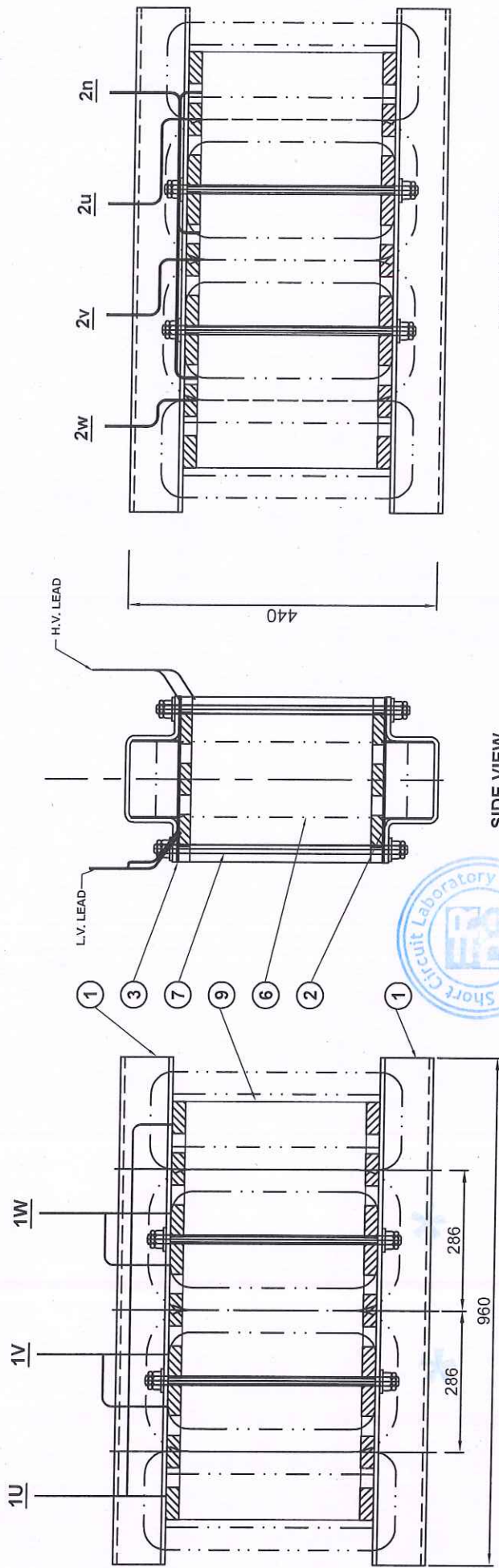
- 1) All dimensions are in mm & Weights are in kg.
- 2) Paint Shade : Aircraft BLUE colour conforming to Shade No. 108 of IS: 5 of 2007.
- 3) Overall dimensions & weights are subject to $\pm 10\%$ tolerance.

S. No.	Description	Qty.	S. No.	Description	Qty.
17	Radiators 300W x 400H x 7fins	2 Set	8	Drain cum Sampling Valve	1
16	Stiffner Angle	1 Set	7	Base Channel	2
15	Pulling Lug	4	6	Earthing Terminal with Lug	2
14	Aching Horns for HV Bushings	3 set	5	Rating & Terminal Marking Plate	1
13	Air Release Plug	1	4	Oil Level Indicator	1
12	Thermometer Pocket	1	3	Lifting Lugs for Complete Unit	2
11	Oil Filling Pipe with Cap (P1 1/4)	1	2	Top Cover Lifting Lug	2
10	Breather with Silica Gel	1	1	HV Bushing with Bimetallic T.C.	3
9	LV Bushing with Bimetallic T.C.	4			

RAJASTHAN POWERGEN TRANSFORMER P. LTD.
 TITLE: OUTLINE GENERAL ARRANGEMENT DETAILS
 Rating: 100 KVA, 11/0.433KV, 3Ø, 50 Hz, ONAN, Aluminium wound, Distribution Transformer
 Buyer's Reference: MPPKVCL
 Scale: ALUMINIUM WOUND AMORPHOUS CORE ENERGY EFFICIENCY LEVEL 3
 Scale: N.T.S.
 DATE: 12.09.18
 DRAWING No. RPTPL/OGA/06
 REV.No. 00

Min. External Air Clearances in mm.		
VOLTAGE	H.V.	L.V.
PHASE TO PHASE	255	75
PHASE TO EARTH	140	40

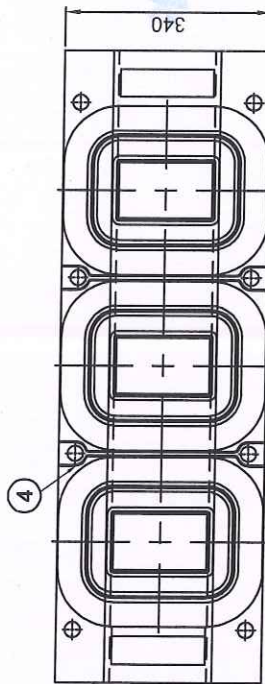




L.V. SIDE VIEW

SIDE VIEW

H.V. SIDE VIEW



Conductor sizes		LV	HV
Bare		9.6 x 3.6	1.76 Dia
Covered		9.96 x 3.96	2.01 Dia
Aluminium	DPC	DPC	DPC
Conductor Configuration		1W X 3D	-

Core Window Ht. :	285 mm
Core build up :	2 x 58.5 mm
Core Sheet width :	170 mm

NOTES :-

- 1- ALL DIMENSIONS ARE IN mm AND SUBJECTED TO $\pm 5\%$ Tol.
- 2- THIS DRAWING SHOWS ONLY GENERAL DISPOSITION OF FITTINGS.
- 3- FOR THE SAKE OF CLARITY CERTAIN FITTINGS SHOWN IN ONE OR MORE VIEWS HAVE BEEN OMITTED FROM OTHER VIEWS.

SL.No.	LIST OF FITTINGS	Qty.
7	COIL (LV & HV)	3 sets
6	TIE ROD COVERED BY PHASE BARRIER	8
5	CORE CONSTRUCTION	1 set
4	PHASE BARRIER	2 sets
3	TOP & BOTTOM YOKE INSULATION	8
2	CORE CLAMP INSULATION	4
1	TOP & BOTTOM CORE CLAMP	1+1

Test Report No. RP-1819-034094
 Date 03.12.2018
 Product 100 L.V. & H.V.
 Verified by VAP
 Verification of this drawing by ERDA is limited to relevant dimensional checks only.
 Verified dimensions are marked with **

RAJASTHAN POWERGEN TRANSFORMER P. LTD.	
THICK	CORE & COIL ASSEMBLY DETAILS
Rating :	100 KVA, 11/0.433KV, 3Ø, 50 Hz, ONAN,
Buyer's Reference :	Aluminium wound, Distribution Transformer
Scale	ALUMINIUM WOUND AMORPHOUS CORE ENERGY EFFICIENCY LEVEL 3
DATE : 12.09.18	REV. No. N.T.S.
DRAWING No.	RPTPL/C/06
00	