RP-1718-064910/TW-1718-06139/29180

Date: 31.03.2018

The Superintending Engineer (MM) - I
Madhyanchal Vidyut Vitran Nigam Ltd.
4-A, Gokhley Marg,
Lucknow

Subject: Final Inspection 300 nos. of 25 KVA, Three Phase, Aluminium wound (BIS Level-II), Distribution Transformers along with Er. Virendra Kumar, EE (Test), MVVNL, Bareilly.

Dear Sir,
With reference to captioned subject, Please find attached the inspection report. Summary of the same is given below.

1	Inspection Authorization letter no.	IM-745/MM-I/MVVNL/ERDA/Inspection Dated: 24.03.2018.
2	Place of Inspection	M/s R.K. Inddustries. Swaley Nagar, Rampur Road ,Bareilly
3	Customer PO No.	MVVNL LOI NO.:- 1563/SE (MM) MVVNL/ MEDCO/2040 /2017 /25 KVA TF/RKI Dated 25.07.2017.
4	Contractor	NIL
5	Date of Inspection	29.03.2018 to 31.03.2018 (03 Days)
6	Material offered with Sl. No.	25 KVA 11/0.433 kV, Three Phase, Aluminium Wound, (BIS Level-II) Distribution Transformers with Internal Oil Circuit Breaker (Final Inspection). Unique No. R00501204020173501 to R00501204020173800, Quantity - 300 Nos.
7	Acceptable Quantity (subject to acceptance of Observations Mentioned, If any)	Same as Material Offered
8	Conclusion	Offered material found as per requirements of applicable IS, Approved GTP, Drawings & Technical Specification of MVVNL Lucknow. M/s R K Industries Bareilly has been advised to seek further instructions from the competent authority of MVVNL Lucknow.

This is for your information and necessary action please.

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

Copy to:
1. Er. Virendra Kumar, EE (Test), MVVNL, Bareilly.
2. M/s R K Inddustries Bareilly.
3. ERDA, Vadodara

Note:-
1. The Inspection Results relate exclusively to the samples selected.
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 by the customer has been witnessed.
5. Any queries regarding the inspection should be informed to ERDA, Vadodara within 30 days from the date of report or before the issue of dispatch instruction whichever is earlier necessarily.

JOINT INSPECTION REPORT

RP-1718-064910/TW-1718-06139/29180

Date: 31.03.2018

1	Name of Inspecting Officer(s)	Er. Hiren Chokshi, Inspecting Officer, ERDA, Vadodara Er. Virendra Kumar, EE (Test), MVVNL, Bareilly.
2	Name of Customer	MVVNL-Lucknow
3	Inspection Authorization letter no.	IM-745/MM-I/MVVNL/ERDA/Inspection Dated: 24.03.2018.
4	Place of Inspection (Name and Address)	M/s R.K. Industries. Swaley Nagar, Rampur Road, Bareilly
5	Date of Inspection	29.03.2018 to 31.03.2018 (03 Days)
6	Customer P.O. No.	MVVNL LOI NO.:- 1563/SE (MM) MVVNL/ MEDCO/2040 /2017 /25 KVA TF/RKI Dated 25.07.2017.
7	Contractor	NIL
8	Contractor P.O. No.	N.A.
9	List of References used for Inspection	1. Approved GTP & Drawings of MVVNL Lucknow vide approval no. 1653/SE (MM)/ MVVNL/ MEDCO/ 2040/ 2017/RKI Dt. 08.08.2017. 2. Technical specifications of MVVNL Lucknow. 3. IS 1180:2014 (Part-1).
10	Material offered with serial no.	25 KVA 11/0.433 kV, Three Phase, Aluminium Wound, (BIS Level-II) Distribution Transformers with Internal Oil Circuit Breaker (Final Inspection). Unique No. R00501204020173501 to R00501204020173800, Quantity - 300 Nos.
11	Sampling Details	Reference used for sampling: As per Technical Specification Quantity of Samples – For Acceptance test 30 Nos. (Sr. No. As per acceptance test report attached) For Physical Verification –01 Nos. (Bearing Sr. No. R00501204020173760) 100% transformers for No load losses, no load current and load losses.
12	Acceptable Quantity (subject to acceptance of Observations Mentioned, If any)	Same as Material Offered
13	Documents attached with Inspection report	• Site offer letter. • Acceptance test report. • Routine (Internal) Test Report. • BIS License. • Status of calibration certificates of measuring instruments • Copy of approved GTP, Drawings & P.O. • Photographs of the Inspection.
14	Sealing/Marking	Total 299 Nos. transformers bearing unique no. R00501204020173501 to R00501204020173800 (Except the Transformers unique no. R00501204020173760 which was opened for physical verification) have been sealed in presence of MVVNL and ERDA by using lead seals, having impression "INSP" one side & "ERDA-49" on the other side. Lead seals have been provided on diagonally opposite corners of top cover bolts of transformer tank. For the Transformers opened for physical verification firm is advised to Re-Test the transformer after reassembling, before dispatch.
15	Observations from inspecting officer	Nil
16	Clarifications from manufacturer regarding observation	N.A

17	Conclusion	Offered material found as per requirements of applicable IS, Approved GTP, Drawings & Technical Specification of MVVNL Lucknow. M/s R K Industries Bareilly has been advised to seek further instructions from the competent authority of MVVNL Lucknow.

Instrument/Equipment of the manufacture are used during inspection after verification of their calibrations certificate

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

M/s R K Industries CERTIFIED THAT:

1. This inspection has been done in our presence and we accept the complete report.
2. We will dispatch the material as per PO to consignee.
3. We shall be responsible for any short/defective supply.
4. Sealing provided by inspecting officer is legible to us and will be responsible for its intactness.

Signature of Authorized representative of Firm with stamp.

Authorized Signature

TIN : 09407305255
CIN : U32204UP2009PLC037883

PAN No.:AANCS4180M

R K INDDUSTRIES

(A UNIT OF S R CHADDHA INDUSTRIES LTD)

Manufacturer & Service Provider of Distribution / Power Transformers
Control Panels 11KV & 33 KV Sub-Stations and Lines / Turnkey Projects

KVQA

NORSK AKKREDITERING QUAL 007

Regd. Office :
35-1/1, Kamla Nehru Marg
Rampur Garden, Bareilly - 243001

NS-EN ISO 9001:2008 / ISO 9001:2008

Works :
Swaley Nagar, Rampur Road,
Bareilly - 243003 (U.P.)

RKI/INSP-2192/2017-18

Date: 29/03/2018

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Sub: **Final Inspection 300 nos. of 25 KVA, 11/0.433 KV, Three Phase, Aluminium wound, (BIS Level-II) Distribution Transformers against L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017**

Ref:- **Authorisation Letter No. IM-745/MM-I/MVVNL/ERDA/Inspection Dated: 24.03.18**

Dear Sir,
In reference to above authorisation letter no. we are now offering final inspection 300 nos. of 25 KVA, Aluminium Wound (BIS Level-II) Distribution Transformers of under mentioned Unique Nos.

S.No.	Name of Material	Quantity	Unique Nos.
1.	25 KVA, 11/0.433, Three Phase, Aluminium Wound (BIS Level-II), Distribution Transformers	300 Nos.	R00501204020173501 To R00501204020173800

You are requested to please carry out the said inspection at our works and issue your inspection report accordingly.

We shall be highly grateful to you

Thanking you,
Yours faithfully
For R K Inddustries
(A Unit of S R Chaddha Industries Ltd.)

Ree
29/3/2018.

Authorised Signatory

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
4-A. GOKHALE MARG
LUCKNOW

MM

No. IM-745/MM-I/MVVNL/ERDA/Inspection Dated 24.03.2018

SUBJECT :- **Letter for Final Inspection of 25 KVA, Alu. Wound Distribution Transfomer.**

M/s Electrical Research & Development Association,
Vadodara Laboratory Complex,
ERDA Road, GIDC, Makarpura,
Vadodara.
(E-Mail-erda@erda.org, erdadel@erda.org, anil.aswani@erda.org) 29,30,31
Fax No.02653048252

Dear Sirs,

M/s R.K. Inddustries, 35-1/1, Kamla Nehru Marg Rampur Garden, Bareilly has informed vide their letter No. RKI/INSP-2154/2017-2018 Dt. 23.03.2018 (Received on 24.03.2018) the following materials are ready for **Final Inspection** at their works against P.O/Specifications details are below:-

S.No.	Name of Material	LOI. No.	Offered Qty.	Place of Inspection
1.	25 KVA, Alu. Wound Distribution Transfomer	1563/SE(MM)/ MVVNL/MEDCO /2040/2017/ 25KVA TF/RKI dt. 25.07.17	**300 Nos. or More** Uniqe No. R00501204020173501 To R00501204020173800	M/s R.K. Inddustries, Swaley Nagar, Rampur Road Bareilly Mr. Mohit Chaddha, Mob. No. 09917464455

It is requested that nominate your one representative within 3 days of receiving of this letter or Email for timely inspection and necessary instruction to its your representative to carry out **Final Inspection** at the earliest.

M/s ERDA representative will test and inspect above material in accordance with existing procedures of MVVNL / UPPCL and relevant ISS/GTP. Copies of relevant ISS will be obtained by the team and one copy will positively be submitted with inspection report. Stage inspection if any and type test details will also be checked and intimated. Details of above offer and site offer will be provided to this office by the inspecting team. Any deviation in the above offer will also be brought to the notice of this office. The inspection report will be submitted in prescribed format. Before starting inspection above material the inspecting officer will ensure to get the approved G.T.P. & drawing from Chief Engineer (MM)/Superintending Engineer (MM) MVVNL, Lucknow.

Further it shall be responsibility of the nominated officer to intimate their respective Chief Engineer before proceeding for aforesaid inspection

Dispatch authorization will be issued by the inspecting Team at works on the basis of test results in respect of material accepted by the team. "It is also direted that at the time of inspection the inspection team shall also insure that the type test reports of the material/equipments are valid and declare the same in their Dispatch Authorization."

It may be noted MVVNL representative **Er. Virendra Kumar, EE (Test), Bareilly Mob. No. 9415901726** shall also be present to witness above inspection. For this kindly inform inspection date of your representative to **e-mail-cemmapdrp@gmail.com** so that visit of MVVNL representative may be co-ordinated accordingly.

Managing Director
M.V.V.N.L

No. IM-745/MM-I/MVVNL/ERDA/Inspection Dated 24.03.2018

Copy forwarded to the following for information and necessary action.

1. Chief Engineer (MM) MVVNL, 4-A, Gokhale Marg, Lucknow
2. Concerned Officer.
3. Concerned firm.

(S.K. Pathak)
Superintending Engineer (MM-I)

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1583/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	BOM 6120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.868 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 29 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Loosess	Total Loss	HV (In ohm)			LV (In miliohm)			HV	LV	Total	Total at 75 °C	29	75	HV	LV	Total	Total at 75 °C	29	75	
		Hz	Volt	Volt	Amp	Watt	Watt		29 °C	75 °C	75 °C		Volt	29 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	29 °C				°C	°C	29 °C				°C	°C	75 °
Guaranteed Values		50.00									190					635																		
1	3501	50.02	250.10	250.80	0.2460	74.71	74.50	0.6551	92.80	107.86	182.36	1.3159	295.79	369.20	429.74	504.24	83.2	83.1	82.7	80.6	80.7	81.1	53.90	33.67	87.57	103.43	5.23	4.42	215.62	134.68	350.29	413.73	18.91	16.01	4.74
2	3502	49.99	250.46	250.96	0.2012	76.15	76.00	0.6559	91.64	106.97	182.96	1.3186	296.13	370.40	431.11	507.11	82.8	83.5	82.8	80.6	80.9	81.1	54.16	33.68	87.84	103.75	3.80	3.22	216.63	134.74	351.36	415.00	19.04	16.12	4.75
3	3503	49.93	250.12	250.79	0.2219	77.43	77.22	0.6559	92.12	107.38	184.61	1.3185	296.14	369.59	430.47	507.70	83.4	83.2	83.2	80.5	80.7	80.8	54.29	33.59	87.88	103.79	4.24	3.59	217.15	134.35	351.50	415.16	18.09	15.31	4.75
4	3504	50.01	250.25	250.83	0.1923	75.13	74.96	0.6554	91.44	106.81	181.76	1.3147	280.46	365.62	427.11	502.06	83.1	83.6	83.7	80.9	81.6	80.7	54.10	33.77	87.87	103.78	3.57	3.02	216.39	135.09	351.49	415.14	14.13	11.97	4.50
5	3505	49.97	250.12	250.73	0.2663	76.12	75.93	0.6552	92.13	107.38	183.32	1.3149	295.46	370.12	430.88	506.82	83.0	83.1	83.8	81.5	80.7	81.4	54.01	33.64	87.65	103.75	4.28	3.63	216.03	135.35	351.38	415.02	18.74	15.86	4.74
6	3506	49.95	250.62	251.12	0.2114	77.19	77.04	0.6553	92.19	107.20	184.24	1.3116	284.12	365.19	425.60	502.83	82.8	83.0	83.1	80.9	80.6	80.7	53.53	33.63	87.16	102.95	5.03	4.26	214.13	134.52	348.65	411.79	16.54	14.00	4.56
7	3507	49.96	250.47	250.95	0.1963	74.93	74.79	0.6556	91.29	106.73	181.51	1.3192	283.75	369.97	430.99	505.77	82.8	83.7	83.3	80.9	80.5	81.1	54.33	33.69	88.02	103.96	3.27	2.77	217.31	134.76	352.07	415.83	17.90	15.16	4.56
8	3508	50.03	250.13	250.80	0.2693	77.15	76.94	0.6556	91.37	106.71	183.66	1.3123	280.13	365.23	426.64	503.58	83.2	83.1	83.7	81.6	81.5	81.5	53.80	33.97	87.77	103.66	3.60	3.05	215.19	135.89	351.08	414.66	14.15	11.98	4.50
9	3509	50.01	250.42	250.94	0.3113	79.62	79.45	0.6597	92.00	107.14	186.59	1.3131	284.12	362.53	424.00	503.45	83.0	83.0	83.2	81.1	81.2	80.7	53.68	33.75	87.44	103.27	4.56	3.86	214.74	135.02	349.75	413.09	12.88	10.90	4.56
10	3510	49.99	250.36	250.87	0.1782	74.37	74.22	0.6556	91.66	106.87	181.09	1.3123	280.13	365.23	426.30	500.52	83.2	83.1	83.0	81.3	81.6	80.8	53.67	33.84	87.52	103.37	4.14	3.51	214.70	135.37	350.07	413.47	15.16	12.84	4.50
11	3511	49.98	250.17	250.72	0.2143	77.43	77.26	0.6553	91.28	106.64	183.90	1.3138	279.78	365.15	426.57	503.83	82.9	83.1	83.7	81.5	81.5	81.0	53.89	33.88	87.77	103.66	3.51	2.98	215.54	135.52	351.06	414.64	14.09	11.93	4.49
12	3512	49.95	250.20	250.75	0.1947	75.65	75.48	0.6561	90.32	105.86	181.35	1.3143	279.63	364.13	425.87	501.36	83.3	83.7	83.2	81.0	81.6	81.2	54.03	33.86	87.89	103.81	2.43	2.06	216.11	135.45	351.56	415.23	12.57	10.64	4.49
13	3513	49.92	250.23	250.83	0.2102	77.15	76.97	0.6554	90.96	106.34	183.31	1.3113	284.46	364.15	425.62	502.59	83.8	83.7	83.7	80.7	81.1	81.0	53.96	33.72	87.69	103.57	3.27	2.77	215.90	134.87	350.77	414.30	13.38	11.33	4.57
14	3514	49.89	250.30	250.94	0.1893	75.48	75.29	0.6558	91.42	106.65	181.94	1.3112	285.48	366.08	426.95	502.24	82.9	83.3	83.6	80.8	81.2	81.4	53.66	33.81	87.47	103.31	3.95	3.35	214.63	135.23	349.86	413.22	16.22	13.73	4.56
15	3515	49.96	250.55	251.12	0.1913	75.43	75.26	0.6585	89.15	104.77	180.03	1.3150	283.14	364.38	425.85	500.91	83.1	83.0	83.5	80.7	80.7	80.7	53.95	33.62	87.57	103.43	1.58	1.34	215.79	134.49	350.28	413.71	14.10	11.94	4.54
16	3516	50.00	250.42	251.03	0.2113	76.09	75.90	0.6550	92.17	107.35	183.25	1.3145	280.12	369.19	429.82	505.72	83.7	83.1	82.9	81.1	81.1	80.8	53.92	33.72	87.64	103.51	4.53	3.84	215.88	134.87	350.54	414.03	18.65	15.79	4.50
17	3517	50.03	250.13	250.75	0.2042	75.62	75.43	0.6560	91.16	106.51	181.94	1.3153	290.48	368.08	428.93	504.37	83.1	82.9	82.9	81.0	81.5	81.3	53.82	33.86	87.68	103.56	3.48	2.95	215.29	135.43	350.72	414.23	17.36	14.70	4.66
18	3518	50.01	250.40	250.95	0.2492	76.15	75.98	0.6551	91.60	106.74	182.72	1.3111	280.40	368.44	428.69	504.67	82.9	82.9	82.7	81.4	81.2	81.3	53.40	33.87	87.27	103.07	4.33	3.67	213.59	135.48	349.07	412.29	19.37	16.40	4.50
19	3519	49.97	250.15	250.85	0.2043	77.63	77.41	0.6556	91.54	106.70	184.11	1.3115	282.18	365.17	425.96	503.37	82.8	82.8	83.0	81.3	81.5	80.8	53.46	33.84	87.30	103.11	4.24	3.59	213.83	135.35	349.19	412.43	15.98	13.53	4.53
20	3520	49.99	250.37	250.89	0.1848	74.57	74.42	0.6556	89.92	105.38	179.79	1.3114	283.48	366.08	426.93	501.34	82.8	82.9	83.7	81.1	81.0	81.5	53.81	33.83	87.44	103.28	2.48	2.10	214.46	135.32	349.78	413.12	16.30	13.80	4.55
21	3521	49.98	250.19	250.74	0.1813	75.65	75.48	0.6585	90.12	105.58	181.06	1.3164	283.85	364.47	425.24	500.73	82.7	82.8	83.3	80.5	81.3	80.5	53.89	33.66	87.55	103.40	2.57	2.18	215.56	134.64	350.19	413.62	14.28	11.63	4.56
22	3522	49.94	250.24	250.87	0.1743	76.29	76.10	0.6575	91.04	106.50	182.60	1.3154	296.12	367.70	428.30	504.40	83.3	83.8	83.4	80.9	80.9	81.5	54.16	33.80	87.96	103.89	3.08	2.61	216.65	135.20	351.85	415.57	15.85	12.73	4.75
23	3523	49.95	250.56	251.15	0.2346	76.42	76.24	0.6562	91.49	106.64	182.88	1.3112	290.85	366.15	426.01	502.25	82.7	83.1	82.8	81.3	81.1	81.2	53.43	33.83	87.26	103.06	4.23	3.58	213.71	135.33	349.04	412.25	17.11	13.76	4.66
24	3524	49.97	250.19	250.92	0.1819	74.63	74.41	0.6556	90.48	105.93	180.34	1.3145	288.14	362.15	423.36	497.77	82.8	83.1	83.7	81.2	81.1	81.1	53.88	33.80	87.68	103.56	2.80	2.37	215.53	135.20	350.73	414.25	11.42	9.11	4.62
25	3525	49.91	250.23	250.97	0.1868	73.48	73.26	0.6552	91.30	106.56	179.82	1.3112	288.66	369.63	429.12	502.38	83.1	83.8	83.5	80.7	80.8	81.0	53.80	33.69	87.48	103.33	3.82	3.23	215.19	134.74	349.93	413.31	19.70	15.81	4.63

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

RK Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no.1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R006 0120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 29 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (in ohm)			LV (in milliohm)			HV	LV	Total	Total at 75 °C	29 °C	75 °C	HV	LV	Total	Total at 75 °C	29 °C	75 °C	75°
		Hz	Volt	Volt	Amp	Watt	Watt		29 °C	75 °C	75 °C		Volt	29 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	29 °C						29 °C					
Guarantee dValues		50.00									190					635																		
26	3526	49.93	250.12	250.79	0.2413	78.17	77.96	0.6570	92.13	107.31	185.27	1.3113	290.19	367.43	428.30	506.26	83.8	82.8	83.7	81.1	81.0	81.3	53.60	33.81	87.62	103.48	4.51	3.82	215.21	135.25	350.47	413.94	16.96	14.36	4.65
27	3527	50.01	250.26	250.84	0.2119	76.93	76.75	0.6583	92.75	107.79	184.55	1.3129	293.92	367.77	428.44	505.19	83.1	83.1	83.4	81.0	81.4	80.5	53.77	33.73	87.51	103.35	5.24	4.44	215.08	134.94	350.02	413.41	17.75	15.03	4.71
28	3528	49.97	250.15	250.76	0.2213	74.63	74.45	0.6590	91.52	106.74	181.19	1.3115	289.49	365.13	426.17	500.62	83.3	83.3	82.9	80.9	81.2	81.6	53.64	33.84	87.48	103.33	4.04	3.42	214.57	135.36	349.93	413.31	15.20	12.87	4.64
29	3529	49.95	250.47	250.99	0.2341	76.42	76.26	0.6553	91.49	106.73	182.99	1.3119	290.12	368.38	428.96	505.22	83.1	83.8	83.5	81.0	80.6	80.7	53.85	33.66	87.51	103.36	3.98	3.37	215.40	134.64	350.04	413.43	18.34	15.53	4.65
30	3530	49.96	250.13	250.80	0.3192	76.17	75.97	0.6553	92.61	107.65	183.61	1.3118	293.17	366.69	427.42	503.39	83.8	82.9	82.8	80.8	81.6	80.6	53.68	33.75	87.43	103.26	5.18	4.39	214.72	134.99	349.71	413.05	16.98	14.37	4.70
31	3531	50.03	250.36	250.87	0.1905	75.45	75.30	0.6558	91.75	106.87	182.17	1.3101	285.65	367.49	427.90	503.19	83.4	83.3	83.0	81.1	80.9	80.6	53.58	33.70	87.28	103.08	4.47	3.79	214.33	134.78	349.11	412.34	18.38	15.56	4.58
32	3532	50.00	250.17	250.72	0.2312	76.12	75.95	0.6577	92.01	107.07	183.03	1.3119	287.15	365.29	425.97	501.92	82.8	83.0	82.8	80.6	81.0	81.6	53.47	33.77	87.23	103.03	4.78	4.05	213.86	135.06	348.92	412.11	16.37	13.86	4.61
33	3533	49.99	250.21	250.76	0.2463	76.43	76.26	0.6556	91.29	106.59	182.85	1.3117	283.49	363.46	424.93	501.19	83.6	83.3	83.5	81.2	80.9	81.1	53.83	33.78	87.61	103.48	3.68	3.11	215.34	135.11	350.45	413.91	13.01	11.02	4.55
34	3534	49.98	250.29	250.87	0.2215	73.57	73.40	0.6589	91.37	106.57	179.97	1.3103	286.15	365.43	426.24	499.84	83.5	83.1	83.2	80.6	81.6	80.6	53.62	33.73	87.34	103.16	4.03	3.41	214.46	134.91	349.38	412.65	16.05	13.59	4.59
35	3535	49.97	249.85	250.65	0.2232	77.62	77.37	0.6559	92.70	107.76	185.13	1.3130	288.85	370.22	430.55	507.93	83.0	83.4	83.0	80.8	81.3	81.3	53.72	33.81	87.54	103.39	5.16	4.37	214.89	135.25	350.15	413.56	20.07	16.99	4.63
36	3536	49.93	249.65	250.45	0.1984	75.21	74.97	0.6541	92.60	107.66	182.63	1.3124	290.48	367.49	428.18	503.15	83.3	83.4	82.8	81.2	80.7	81.2	53.71	33.78	87.49	103.33	5.11	4.33	214.84	135.10	349.95	413.32	17.54	14.85	4.50
37	3537	49.92	249.60	250.50	0.2565	75.62	75.35	0.6554	92.40	107.36	182.70	1.3102	287.25	379.80	438.06	513.41	82.7	83.6	82.6	80.8	80.6	80.7	53.46	33.63	87.08	102.86	5.32	4.50	213.83	134.50	348.34	411.42	31.46	26.64	4.61
38	3538	50.03	250.15	251.05	0.2341	76.81	76.53	0.6547	92.20	107.52	184.05	1.3193	281.22	369.55	430.71	507.25	83.4	83.1	82.9	81.6	81.0	81.0	54.26	33.82	88.08	104.03	4.12	3.49	217.02	135.29	352.31	416.12	17.24	14.59	4.52
39	3539	50.06	250.30	251.30	0.2633	78.25	77.94	0.6549	93.60	108.69	186.62	1.3194	279.32	370.57	431.50	509.44	83.0	82.9	83.4	80.8	81.2	81.3	54.24	33.78	88.02	103.96	5.58	4.72	216.98	135.11	352.09	415.85	18.48	15.65	4.49
40	3540	49.85	249.25	250.05	0.2544	76.54	76.29	0.6540	93.90	108.78	185.07	1.3145	285.65	368.43	429.04	505.34	83.3	82.7	82.8	80.8	81.2	81.6	53.73	33.81	87.54	103.39	6.36	5.39	214.93	135.22	350.16	413.57	18.27	15.47	4.58
41	3541	49.98	249.90	250.70	0.2136	72.13	71.90	0.6542	91.50	106.86	178.75	1.3131	290.77	368.69	429.70	501.60	83.6	83.4	83.8	81.1	81.3	81.2	54.03	33.83	87.87	103.78	3.63	3.08	216.13	135.33	351.46	415.12	17.23	14.58	4.66
42	3542	49.84	249.20	250.10	0.2484	75.77	75.50	0.6552	93.30	108.29	183.79	1.3120	280.46	372.14	432.27	507.76	83.4	83.0	83.3	81.5	81.1	81.3	53.73	33.87	87.60	103.47	5.70	4.82	214.91	135.50	350.41	413.87	21.73	18.40	4.50
43	3543	49.83	249.15	250.05	0.2665	75.54	75.27	0.6557	92.60	107.82	183.08	1.3173	286.39	374.60	434.99	510.26	83.1	83.1	83.6	81.1	81.6	80.6	54.16	33.79	87.96	103.89	4.64	3.93	216.65	135.16	351.83	415.54	22.97	19.45	4.60
44	3544	49.88	249.40	250.10	0.3921	79.82	79.60	0.6541	92.40	107.55	187.15	1.3162	289.80	368.25	429.06	508.65	82.8	83.6	83.0	80.9	80.8	80.6	54.01	33.65	87.66	103.54	4.74	4.01	216.05	134.60	350.66	414.16	17.59	14.89	4.65
45	3545	49.91	249.55	250.25	0.2241	74.46	74.25	0.6545	92.40	107.53	181.78	1.3142	285.46	368.91	429.55	503.80	83.4	83.4	82.9	80.9	80.9	80.8	53.91	33.70	87.61	103.48	4.79	4.05	215.65	134.80	350.45	413.92	18.46	15.63	4.58
46	3546	49.88	249.40	250.30	0.2555	75.25	74.98	0.6552	93.20	108.34	183.32	1.3194	286.50	365.69	427.34	502.32	83.3	83.1	83.0	80.7	81.1	81.2	54.25	33.75	88.00	103.94	5.20	4.40	217.02	134.99	352.01	415.76	13.68	11.58	4.60
47	3547	49.86	249.30	250.30	0.4632	80.63	80.31	0.6545	92.00	107.29	187.60	1.3148	284.20	367.48	428.73	509.04	83.6	83.8	83.6	81.3	80.6	80.6	54.23	33.68	87.91	103.83	4.09	3.47	216.92	134.71	351.63	415.31	15.85	13.42	4.56
48	3548	49.92	249.60	250.60	0.2465	75.21	74.91	0.6541	93.70	108.64	183.55	1.3116	285.71	365.91	427.03	501.93	83.4	83.7	83.5	81.4	81.0	80.6	53.87	33.76	87.63	103.50	6.07	5.14	215.48	135.03	350.51	413.99	15.40	13.04	4.58
49	3549	50.08	250.40	251.10	0.2347	73.25	73.05	0.6550	93.80	108.85	181.90	1.3194	292.69	370.59	431.50	504.55	83.0	83.3	82.9	80.9	81.2	81.2	54.22	33.79	88.01	103.95	5.79	4.90	216.86	135.18	352.04	415.79	18.55	15.71	4.59
50	3550	50.01	250.05	250.75	0.2369	73.85	73.44	0.6545	93.40	108.53	181.97	1.3178	289.64	370.25	431.28	504.72	83.3	83.4	83.1	81.4	81.0	81.2	54.23	33.83	88.06	104.01	5.34	4.52	216.90	135.34	352.24	416.03	18.01	15.25	4.65

For RK Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R605 0120 4920 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 30 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In milliohm)			HV	LV	Total	Total at 75 °c	30	75	HV	LV	Total	Total at 75 °c	30	75	
		Hz	Volt	Volt	Amp	Watt	Watt		30 °C	75 °c	75 °c		Volt	30 °C	75 °c	75 °c	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	30 °C				°C	°C	30 °C				°C	°C	75°
Guaranteed Values		50.00									190					635																		
51	3551	50.10	250.50	251.40	0.3061	76.30	76.03	0.6548	93.90	108.44	184.47	1.3123	295.08	375.60	433.76	509.80	83.7	82.8	83.7	80.6	81.6	81.4	53.86	33.83	87.69	103.17	6.21	5.28	215.44	135.33	350.77	412.67	24.83	21.10	4.73
52	3552	50.07	250.35	251.05	0.2224	75.84	75.63	0.6553	92.30	107.10	182.73	1.3143	292.96	368.20	427.56	503.19	83.4	83.1	83.6	81.2	80.9	81.0	53.99	33.76	87.75	103.24	4.55	3.87	215.97	135.03	351.01	412.95	17.19	14.61	4.69
53	3553	49.98	249.90	250.70	0.3243	76.18	75.94	0.6545	94.00	108.73	184.67	1.3198	294.14	374.00	433.23	509.16	82.9	83.5	83.3	81.5	81.3	81.5	54.39	33.92	88.31	103.90	5.69	4.83	217.57	135.69	353.26	415.60	20.74	17.63	4.71
54	3554	50.00	250.00	250.90	0.2809	75.39	75.12	0.6545	91.70	106.69	181.81	1.3159	298.28	366.80	426.76	501.87	83.4	83.3	83.8	81.2	80.7	81.6	54.23	33.82	88.04	103.58	3.66	3.11	216.91	135.27	352.18	414.33	14.62	12.43	4.78
55	3555	50.01	250.05	250.85	0.2304	75.70	75.46	0.6557	92.90	107.53	182.99	1.3105	292.32	371.60	430.12	505.58	83.5	83.4	83.3	81.0	81.1	81.1	53.71	33.78	87.49	102.93	5.41	4.59	214.86	135.12	349.98	411.74	21.62	18.36	4.68
56	3556	50.10	250.50	251.30	0.2752	73.73	73.49	0.6550	92.30	107.03	180.53	1.3155	296.16	371.20	429.83	503.32	82.8	82.9	83.4	80.8	80.7	80.9	53.88	33.66	87.53	102.98	4.77	4.05	215.50	134.63	350.14	411.93	21.06	17.90	4.74
57	3557	49.94	249.70	250.70	0.2991	76.46	76.15	0.6553	93.90	108.30	184.45	1.3100	287.48	374.60	432.34	508.50	83.8	83.2	82.9	80.5	80.8	80.9	53.60	33.65	87.25	102.64	6.65	5.66	214.40	134.58	348.98	410.57	25.62	21.77	4.61
58	3558	50.05	250.25	251.05	0.3308	75.68	75.44	0.6559	92.50	107.36	182.80	1.3179	292.37	372.00	431.16	506.60	83.1	83.2	83.4	81.6	81.1	80.8	54.21	33.82	88.03	103.56	4.47	3.80	216.64	135.28	352.12	414.26	19.88	16.90	4.69
59	3559	50.08	250.40	251.40	0.3144	77.11	76.80	0.6554	94.00	108.69	185.49	1.3192	286.50	378.00	436.45	513.25	83.4	83.4	83.1	81.1	81.2	81.1	54.37	33.81	88.18	103.74	5.82	4.95	217.48	135.23	352.70	414.94	25.30	21.50	4.60
60	3560	49.98	249.90	250.70	0.2350	76.63	76.38	0.6543	92.30	107.01	183.39	1.3147	292.60	367.20	426.32	502.71	83.4	83.0	82.8	80.5	80.5	80.9	53.84	33.61	87.45	102.89	4.85	4.12	215.35	134.45	349.81	411.54	17.39	14.78	4.69
61	3561	49.95	249.75	250.55	0.2519	76.73	76.48	0.6541	91.60	106.46	182.95	1.3150	286.98	364.40	424.15	500.64	82.8	82.8	83.8	80.6	80.9	81.2	53.91	33.70	87.61	103.07	3.99	3.39	215.63	134.82	350.45	412.29	13.95	11.86	4.60
62	3562	50.05	250.25	250.95	0.3064	74.76	74.55	0.6552	93.30	107.92	182.47	1.3164	296.16	375.20	433.39	507.94	82.8	83.2	83.3	80.5	80.8	80.9	54.01	33.65	87.66	103.13	5.64	4.80	216.02	134.60	350.63	412.50	24.57	20.89	4.77
63	3563	50.06	250.30	251.20	0.2684	74.45	74.18	0.6552	92.50	107.27	181.45	1.3164	289.07	368.00	427.37	501.55	83.0	83.2	82.9	81.6	80.5	81.0	53.96	33.77	87.73	103.22	4.77	4.05	215.84	135.09	350.94	412.67	17.06	14.50	4.63
64	3564	49.97	249.85	250.55	0.2735	77.40	77.18	0.6554	93.40	107.94	185.12	1.3107	287.63	371.60	430.04	507.23	83.2	83.1	83.2	81.4	81.1	81.3	53.58	33.86	87.44	102.87	5.96	5.07	214.31	135.44	349.75	411.47	21.85	18.57	4.61
65	3565	49.93	249.65	250.35	0.2324	75.50	75.29	0.6557	92.90	107.49	182.78	1.3126	296.30	370.60	429.12	504.41	82.9	83.4	83.0	80.9	80.5	81.0	53.70	33.68	87.38	102.81	5.52	4.69	214.80	134.73	349.54	411.22	21.06	17.90	4.75
66	3566	49.85	249.25	249.95	0.3400	77.95	77.73	0.6550	93.40	108.07	185.80	1.3155	287.40	371.60	430.57	508.30	83.2	83.7	83.3	81.3	80.9	80.6	54.12	33.72	87.84	103.34	5.56	4.73	216.49	134.87	351.36	413.36	20.24	17.21	4.61
67	3567	50.00	250.00	250.90	0.3028	77.62	77.54	0.6554	93.50	108.29	185.83	1.3189	286.26	374.00	433.16	510.70	83.4	83.7	83.5	81.1	80.9	81.0	54.50	33.77	88.26	103.84	5.24	4.45	217.99	135.07	353.06	415.36	20.94	17.80	4.59
68	3568	49.90	249.50	250.50	0.3273	75.30	75.00	0.6559	93.30	107.99	182.99	1.3167	299.43	373.20	431.95	506.95	83.3	83.2	83.2	80.9	80.9	81.2	54.12	33.74	87.86	103.36	5.44	4.63	216.46	134.97	351.43	413.44	21.77	18.51	4.80
69	3569	49.83	249.15	249.95	0.3051	74.02	73.78	0.6560	92.80	107.48	181.26	1.3181	292.78	369.40	429.05	502.84	83.7	83.3	83.2	80.9	80.8	81.3	54.35	33.76	88.11	103.66	4.49	3.81	217.40	135.05	352.45	414.65	16.95	14.41	4.69
70	3570	50.08	250.40	251.20	0.3065	76.71	76.46	0.6554	92.20	107.18	183.64	1.3170	287.91	366.80	427.00	503.47	83.4	83.7	83.7	81.5	80.8	81.4	54.37	33.86	88.23	103.80	3.97	3.37	217.48	135.45	352.93	415.21	13.87	11.79	4.62
71	3571	50.08	250.40	251.30	0.2234	76.88	76.60	0.6559	93.00	107.87	184.47	1.3184	293.15	374.00	433.17	509.78	83.8	83.6	83.4	81.0	81.6	80.7	54.49	33.78	88.27	103.85	4.73	4.02	217.96	135.13	353.09	415.40	20.91	17.78	4.70
72	3572	49.96	249.80	250.70	0.3328	74.11	73.84	0.6559	93.30	107.93	181.77	1.3106	290.67	373.20	431.70	505.55	83.7	83.5	83.8	81.5	81.1	80.7	53.87	33.79	87.67	103.14	5.63	4.79	215.50	135.17	350.67	412.55	22.53	19.15	4.66
73	3573	49.94	249.70	250.60	0.2331	76.38	76.10	0.6546	91.50	106.52	182.62	1.3135	285.05	367.00	426.92	503.02	83.7	83.7	83.8	81.4	81.3	81.1	54.16	33.87	88.04	103.57	3.46	2.94	216.65	135.49	352.15	414.29	14.85	12.63	4.57
74	3574	49.84	249.20	249.90	0.2705	75.04	74.83	0.6546	93.80	108.29	183.12	1.3100	287.76	373.20	431.46	506.29	83.2	83.8	83.3	80.9	80.8	81.6	53.69	33.79	87.48	102.92	6.32	5.37	214.77	135.15	349.92	411.67	23.28	19.79	4.61
75	3575	49.93	249.65	250.55	0.2157	74.03	73.76	0.6551	91.70	106.54	180.30	1.3131	286.36	365.80	425.30	499.06	82.9	83.8	83.5	80.9	80.7	80.7	53.92	33.66	87.58	103.03	4.12	3.50	215.67	134.64	350.31	412.13	15.49	13.17	4.62

For R K Industries, Bareilly
Authorised Signatory

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — FINAL - INSPECTION — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA, LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R04S 0120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 30 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss		Total Loss	Applied Curren	Imp. Volt	Measured Loss		Total Loss	HV (in ohm)			LV (in miliohm)			HV	LV	Total	Total at 75 °c	30	75	HV	LV	Total	Total at 75 °c	30	75	
		Hz	Volt	Volt	Amp	Watt	Watt		30 °C	75 °c	75 °c		Volt	30 °C	75 °c	75 °c	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	30 °C				°C	°C	30 °C				°C	°C	75°
Guranteed Values		50.00									190					635																		
76	3576	50.02	250.10	251.10	0.3040	77.07	76.76	0.6540	93.10	107.72	184.48	1.3122	287.26	370.40	429.17	505.93	83.5	82.7	83.1	81.4	81.1	81.5	53.66	33.89	87.55	103.00	5.55	4.72	214.66	135.54	350.20	412.00	20.20	17.17	4.61
77	3577	49.85	249.25	250.15	0.3140	74.50	74.23	0.6560	92.40	107.03	181.26	1.3108	284.50	368.60	427.28	501.51	83.7	82.8	83.0	80.8	80.5	81.3	53.56	33.69	87.27	102.68	5.13	4.36	214.34	134.76	349.10	410.70	19.50	16.58	4.56
78	3578	49.99	249.95	250.75	0.2181	76.98	76.73	0.6545	91.50	106.46	183.19	1.3167	287.79	367.00	426.67	503.41	83.8	82.8	82.9	81.2	80.6	81.4	54.07	33.78	87.85	103.35	3.65	3.10	216.27	135.13	351.40	413.42	15.60	13.26	4.61
79	3579	49.99	249.95	250.75	0.3267	73.56	73.32	0.6550	93.50	107.99	181.32	1.3143	292.79	373.00	431.12	504.45	83.1	83.1	82.7	80.7	80.6	80.7	53.73	33.62	87.35	102.77	6.15	5.23	214.94	134.47	349.41	411.07	23.59	20.05	4.69
80	3580	49.84	249.20	250.10	0.3353	74.37	74.10	0.6558	92.40	107.05	181.15	1.3111	284.80	371.60	429.90	504.00	83.6	82.8	82.8	81.6	80.9	80.7	53.55	33.78	87.33	102.74	5.07	4.31	214.20	135.12	349.32	410.98	22.28	18.94	4.57
81	3581	49.88	249.40	250.30	0.2556	76.17	75.90	0.6554	92.80	107.47	183.36	1.3158	294.28	370.20	429.02	504.92	82.9	82.9	83.2	81.1	80.7	80.6	53.89	33.68	87.57	103.02	5.23	4.45	215.57	134.70	350.27	412.09	19.93	16.94	4.71
82	3582	49.96	249.80	250.50	0.2285	74.87	74.66	0.6540	91.60	106.55	181.21	1.3149	286.49	366.40	426.21	500.87	83.1	83.2	83.7	81.6	80.7	81.5	54.03	33.86	87.88	103.39	3.72	3.16	216.11	135.43	351.54	413.57	14.86	12.63	4.59
83	3583	49.81	249.05	249.95	0.3194	74.00	73.73	0.6560	92.00	106.94	180.67	1.3184	294.51	369.00	428.60	502.34	83.1	83.0	83.5	81.1	81.6	80.8	54.21	33.82	88.03	103.56	3.97	3.38	216.64	135.27	352.11	414.25	16.89	14.36	4.72
84	3584	50.04	250.20	250.90	0.2367	73.57	73.36	0.6556	93.40	107.99	181.35	1.3108	295.06	373.60	431.95	505.31	83.7	83.6	83.5	80.8	80.6	81.4	53.88	33.72	87.60	103.05	5.80	4.93	215.50	134.88	350.38	412.21	23.22	19.74	4.73
85	3585	50.05	250.25	250.95	0.3123	73.95	73.74	0.6542	92.80	107.70	181.44	1.3194	292.16	370.20	429.95	503.69	83.4	83.5	83.6	81.2	81.0	80.9	54.51	33.77	88.28	103.86	4.52	3.84	218.04	135.08	353.11	415.43	17.09	14.52	4.68
86	3586	49.82	249.10	249.90	0.3266	74.16	73.92	0.6544	93.90	108.33	182.25	1.3113	287.37	374.60	432.47	506.39	83.7	82.7	83.3	80.7	80.8	80.9	53.68	33.66	87.34	102.76	5.56	5.57	214.72	134.64	349.37	411.02	25.23	21.45	4.61
87	3587	50.07	250.35	251.15	0.2353	77.23	76.98	0.6549	92.90	107.70	184.68	1.3191	287.23	373.60	432.50	509.48	83.1	83.7	82.8	80.7	81.6	80.6	54.26	33.74	88.02	103.55	4.88	4.15	217.13	134.94	352.07	414.20	21.53	18.30	4.61
88	3588	49.93	249.65	250.45	0.3013	76.09	75.85	0.6542	93.00	107.78	183.63	1.3190	285.47	372.00	431.13	506.98	83.4	83.2	83.3	81.1	80.6	80.6	54.36	33.65	88.01	103.54	4.99	4.24	217.43	134.62	352.04	414.17	19.96	16.96	4.58
89	3589	50.09	250.45	251.15	0.3123	76.69	76.48	0.6550	93.60	108.18	184.65	1.3141	286.49	375.40	433.55	510.03	83.0	83.1	83.5	81.4	80.6	81.2	53.88	33.77	87.65	103.12	5.95	5.06	215.53	135.08	350.61	412.48	24.79	21.07	4.59
90	3590	49.91	249.55	250.45	0.2556	74.15	73.88	0.6555	92.60	107.47	181.36	1.3195	288.20	371.40	430.74	504.63	83.6	83.0	83.0	81.3	80.7	81.3	54.32	33.79	88.10	103.65	4.50	3.82	217.27	135.14	352.41	414.60	18.99	16.14	4.62
91	3591	50.01	250.05	250.85	0.2663	77.08	76.83	0.6556	93.20	107.80	184.63	1.3120	293.48	370.80	429.49	506.32	83.8	83.4	83.2	81.0	80.8	80.5	53.87	33.67	87.53	102.98	5.67	4.82	215.47	134.66	350.13	411.92	20.67	17.57	4.70
92	3592	49.97	249.85	250.75	0.2981	75.50	75.23	0.6558	93.20	107.84	183.07	1.3149	284.53	372.80	431.37	506.60	83.0	83.1	83.0	81.2	80.8	81.6	53.84	33.83	87.67	103.15	5.53	4.70	215.38	135.32	350.70	412.59	22.10	18.79	4.56
93	3593	49.82	249.10	249.80	0.2484	74.14	73.93	0.6554	91.80	106.68	180.61	1.3165	287.91	365.20	425.01	498.94	83.2	82.7	83.5	81.4	80.8	80.5	54.04	33.71	87.75	103.23	4.05	3.44	216.14	134.85	350.99	412.93	14.21	12.08	4.62
94	3594	49.97	249.85	250.65	0.2753	73.85	73.61	0.6540	92.60	107.32	180.94	1.3155	285.27	371.00	430.14	503.76	83.4	83.6	83.8	80.9	80.9	80.5	54.24	33.67	87.90	103.42	4.60	3.91	216.95	134.67	351.61	413.66	19.39	16.48	4.58
95	3595	50.02	250.10	250.80	0.2243	74.32	74.11	0.6551	93.60	108.31	182.42	1.3159	293.35	375.40	434.09	508.20	83.5	83.8	83.3	81.5	80.8	81.3	54.23	33.83	88.06	103.60	5.54	4.71	216.92	135.34	352.25	414.42	23.15	19.67	4.70
96	3596	49.81	249.05	249.85	0.2850	74.46	74.22	0.6546	93.90	108.52	182.74	1.3152	289.14	375.60	434.08	508.30	83.6	83.6	82.8	81.0	81.3	81.5	54.08	33.85	87.92	103.44	5.98	5.08	216.31	135.39	351.70	413.76	23.90	20.32	4.64
97	3597	49.98	249.90	250.70	0.2829	74.03	73.79	0.6541	93.90	108.31	182.10	1.3109	295.13	373.60	431.54	505.34	82.8	83.0	83.3	80.8	81.0	81.4	53.51	33.76	87.28	102.69	6.62	5.62	214.03	135.11	349.14	410.75	24.46	20.79	4.73
98	3598	50.01	250.05	250.95	0.3336	77.54	77.26	0.6541	93.50	108.26	185.52	1.3200	296.37	376.00	434.74	512.00	82.8	83.2	83.8	80.7	81.1	81.4	54.40	33.77	88.17	103.73	5.33	4.53	217.60	135.09	352.69	414.93	23.31	19.81	4.75
99	3599	49.85	249.25	250.05	0.2417	75.46	75.22	0.6551	92.60	107.35	182.57	1.3144	293.45	368.40	427.70	502.92	83.3	83.1	83.6	81.4	80.6	81.1	53.97	33.76	87.72	103.21	4.88	4.14	215.86	135.04	350.90	412.82	17.50	14.88	4.70
100	3600	49.97	249.85	250.55	0.2865	76.39	76.18	0.6543	93.70	108.35	184.52	1.3168	289.61	375.80	434.23	510.41	83.2	83.0	83.5	80.7	81.4	81.3	54.10	33.81	87.91	103.43	5.79	4.92	216.42	135.23	351.65	413.70	24.15	20.53	4.64

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test)
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R005 0120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.655 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 31 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In millohm)			HV	LV	Total	Total at 75 °C	31 °C	75 °C	HV	LV	Total	Total at 75 °C	31 °C	75 °C	
		Hz	Volt	Volt	Amp	Watt	Watt		31 °C	75 °C	75 °C		Volt	31 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	31 °C						31 °C					75°
Guaranteed Values		50.00									190					635																	
101	3601	50.05	250.25	250.95	0.3302	75.22	75.01	0.6553	92.40	106.77	181.78	1.3137	289.88	370.60	427.92	502.93	83.4	83.8	82.7	80.6	80.8	81.5	53.90	33.74	87.64	102.71	4.76	4.06	215.60	134.97	350.57	410.82	20.03	17.09	4.64
102	3602	50.01	250.05	251.05	0.2915	75.50	75.20	0.6549	93.30	107.48	182.87	1.3112	285.88	371.20	428.20	503.40	83.7	82.9	83.1	80.9	81.0	81.4	53.66	33.81	87.46	102.50	5.84	4.98	214.62	135.23	349.85	409.99	21.35	18.21	4.58
103	3603	49.87	249.35	250.25	0.2569	78.00	77.72	0.6559	92.00	106.59	184.31	1.3165	294.58	369.00	427.22	504.94	83.4	83.3	83.0	81.6	81.5	81.6	54.27	33.90	88.17	103.32	3.83	3.27	217.06	135.60	352.67	413.28	16.33	13.94	4.72
104	3604	49.99	249.95	250.95	0.2285	73.86	73.56	0.6557	92.00	106.58	180.15	1.3198	291.96	367.00	425.47	499.03	83.1	83.7	82.7	80.9	81.3	81.3	54.32	33.81	88.13	103.28	3.87	3.30	217.28	135.25	352.53	413.12	14.47	12.35	4.68
105	3605	50.04	250.20	251.10	0.2286	75.57	75.30	0.6549	92.90	107.18	182.48	1.3161	285.61	370.60	427.88	503.17	83.1	82.7	83.5	80.5	81.0	80.6	53.99	33.62	87.61	102.67	5.29	4.51	215.94	134.50	350.44	410.67	20.16	17.20	4.59
106	3606	49.88	249.40	250.30	0.3347	76.78	76.50	0.6547	92.60	106.88	183.38	1.3121	296.71	368.40	425.81	502.31	83.2	82.9	83.5	81.3	81.0	80.7	53.71	33.75	87.46	102.50	5.14	4.38	214.86	135.00	349.86	409.99	18.54	15.82	4.75
107	3607	49.85	249.25	250.15	0.2402	74.69	74.42	0.6543	91.80	106.42	180.84	1.3193	285.25	366.20	424.83	499.25	83.4	83.3	83.0	81.1	81.4	81.1	54.33	33.84	88.17	103.32	3.63	3.10	217.33	135.35	352.67	413.29	13.53	11.54	4.57
108	3608	50.09	250.45	251.45	0.2536	76.51	76.20	0.6548	92.30	106.68	182.88	1.3133	289.00	368.20	425.86	502.07	83.2	83.4	83.4	81.6	80.8	80.5	53.90	33.74	87.64	102.70	4.66	3.98	216.60	134.95	350.56	410.81	17.64	15.05	4.63
109	3609	50.00	250.00	250.90	0.2414	76.50	76.22	0.6560	93.70	107.94	184.16	1.3156	286.16	376.80	433.47	509.69	82.8	83.4	83.7	81.1	81.4	80.8	54.06	33.79	87.85	102.95	5.85	4.99	216.22	135.17	351.39	411.78	25.41	21.69	4.59
110	3610	50.06	250.30	251.10	0.3332	75.37	75.13	0.6550	93.90	106.20	183.33	1.3184	286.98	377.60	434.51	509.64	83.2	83.3	83.5	81.0	81.5	80.8	54.33	33.80	88.13	103.28	5.77	4.92	217.31	135.21	352.52	413.11	25.06	21.40	4.60
111	3611	49.94	249.70	250.70	0.3351	76.21	75.90	0.6559	91.50	106.16	182.06	1.3172	290.17	364.00	422.93	496.84	83.4	83.6	83.3	81.5	81.2	81.0	54.30	33.86	88.15	103.30	3.35	2.86	217.18	135.43	352.61	413.21	11.39	9.72	4.65
112	3612	50.04	250.20	250.90	0.2483	74.69	74.48	0.6552	93.60	107.86	182.34	1.3183	294.75	376.40	433.13	507.61	83.2	83.1	82.8	81.4	81.0	80.6	54.09	33.76	87.85	102.95	5.75	4.91	216.37	135.02	351.39	411.79	25.01	21.34	4.72
113	3613	49.97	249.85	250.85	0.2851	73.59	73.30	0.6554	93.20	107.59	180.88	1.3176	291.13	374.80	432.08	505.36	83.2	83.4	83.6	81.2	81.5	80.7	54.28	33.81	88.08	103.22	5.12	4.36	217.11	135.23	352.34	412.90	22.46	19.17	4.66
114	3614	49.85	249.25	249.95	0.3297	75.71	75.50	0.6560	93.50	107.82	183.31	1.3195	294.48	372.00	429.56	505.06	83.8	82.8	82.7	80.8	81.0	81.1	54.26	33.73	88.00	103.12	5.50	4.70	217.05	134.93	351.98	412.48	20.02	17.08	4.72
115	3615	49.99	249.95	250.95	0.3260	76.07	75.77	0.6546	93.80	108.12	183.89	1.3200	294.61	375.20	432.49	508.25	83.4	82.8	83.0	81.6	81.4	80.9	54.28	33.87	88.15	103.30	5.65	4.82	217.12	135.48	352.60	413.20	22.60	19.29	4.72
116	3616	49.86	249.30	250.20	0.2683	76.74	76.46	0.6552	92.90	107.17	183.63	1.3133	285.39	372.60	429.52	505.98	83.2	83.4	82.7	80.6	81.5	81.3	53.75	33.81	87.56	102.61	5.34	4.55	215.02	135.23	350.25	410.45	22.35	19.07	4.57
117	3617	50.00	250.00	250.80	0.2557	74.29	74.05	0.6557	92.30	106.82	180.87	1.3195	295.41	370.20	428.12	502.17	83.5	82.7	83.5	80.8	81.3	80.6	54.35	33.72	88.07	103.21	4.23	3.61	217.40	134.88	352.28	412.82	17.92	15.29	4.73
118	3618	50.04	250.20	250.90	0.2395	75.10	74.89	0.6559	91.50	106.11	181.00	1.3164	287.57	366.00	424.43	499.52	83.4	83.1	83.6	81.2	80.5	81.5	54.22	33.77	87.99	103.11	3.51	3.00	216.86	135.09	351.95	412.44	14.05	11.99	4.61
119	3619	49.89	249.45	250.45	0.3054	75.51	75.21	0.6560	93.20	107.46	182.67	1.3128	299.26	371.80	429.00	504.20	83.6	83.4	83.1	81.4	80.6	81.5	53.86	33.82	87.69	102.76	5.51	4.71	215.45	135.29	350.74	411.03	21.06	17.97	4.79
120	3620	49.85	249.25	250.05	0.2241	76.40	76.15	0.6557	92.20	106.58	182.74	1.3142	294.74	368.80	424.63	500.79	83.6	83.1	83.2	80.7	80.6	81.1	53.95	33.66	87.61	102.67	4.59	3.92	215.79	134.65	350.44	410.67	16.36	13.96	4.72
121	3621	49.80	249.00	249.90	0.2330	75.28	75.01	0.6543	93.10	107.63	182.64	1.3198	298.60	370.40	428.80	503.81	83.7	83.4	83.8	81.4	80.9	81.4	54.63	33.84	88.47	103.68	4.63	3.95	218.53	135.38	353.89	414.71	16.51	14.09	4.78
122	3622	49.80	249.00	250.00	0.2115	76.37	76.06	0.6547	91.50	106.14	182.20	1.3198	285.09	365.00	423.70	499.76	83.5	83.2	82.9	81.1	80.5	81.1	54.36	33.73	88.08	103.22	3.42	2.92	217.42	134.90	352.33	412.88	12.67	10.82	4.57
123	3623	49.86	249.40	250.40	0.2108	77.05	76.74	0.6540	92.00	106.30	183.04	1.3117	294.44	367.00	424.35	501.09	82.7	83.1	82.7	80.6	81.5	81.2	53.46	33.80	87.26	102.25	4.74	4.05	213.82	135.20	349.02	409.01	17.98	15.34	4.71
124	3624	50.02	250.10	251.10	0.3212	74.92	74.62	0.6557	93.70	108.00	182.62	1.3181	284.60	375.80	432.86	507.48	83.8	83.0	83.3	80.5	81.2	81.2	54.30	33.74	88.04	103.17	5.66	4.83	217.20	134.95	352.15	412.67	23.65	20.18	4.58
125	3625	50.00	250.00	250.70	0.2516	77.68	77.46	0.6543	93.90	108.11	185.58	1.3153	294.49	376.60	433.31	510.77	83.3	82.9	83.4	81.2	81.4	81.3	53.98	33.87	87.85	102.95	6.05	5.16	216.92	135.49	351.42	411.82	25.18	21.49	4.72

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test)
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	2005 0120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.566 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 31 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss		Total Loss	Applied Curren	Imp. Volt	Measured Loss		Total Loss	HV (In ohm)			LV (In milliohm)			HV	LV	Total	Total at 75 °C	31	75	HV	LV	Total	Total at 75 °C	31	75	
		Hz	Volt	Volt	Amp	Watt	Watt		31 °C	75 °C	75 °C		Volt	31 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	31 °C				°C	°C	31 °C				°C	°C	75
Guaranteed Values		50.00									190					635																		
126	3624	50.08	250.40	251.30	0.2516	74.42	74.15	0.6549	92.60	106.95	181.10	1.3153	291.42	368.40	426.08	500.24	83.2	83.1	83.4	80.8	81.0	80.6	54.02	33.66	87.68	102.75	4.92	4.20	216.06	134.65	350.71	410.99	17.69	15.09	4.67
127	3627	49.83	249.15	249.85	0.2461	73.82	73.61	0.6550	93.50	107.70	181.31	1.3136	298.80	374.00	430.76	504.39	83.7	82.8	83.2	81.2	80.6	81.1	53.86	33.75	87.61	102.67	5.89	5.02	215.45	135.00	350.46	410.69	23.54	20.09	4.76
128	3628	49.83	249.15	249.95	0.2329	75.72	75.48	0.6547	93.00	107.42	182.89	1.3191	293.72	374.00	431.37	506.85	83.4	83.1	83.0	80.7	81.6	81.0	54.29	33.79	88.08	103.21	4.92	4.20	217.15	135.15	352.30	412.85	21.70	18.52	4.70
129	3629	49.89	249.45	250.15	0.2878	76.32	76.11	0.6544	93.10	107.28	183.39	1.3109	286.69	374.40	430.84	506.95	83.4	83.6	82.9	81.0	80.9	80.8	53.69	33.70	87.39	102.41	5.71	4.87	214.76	134.80	349.57	409.65	24.83	21.19	4.59
130	3630	49.94	249.70	250.50	0.2331	77.71	77.46	0.6554	92.10	106.45	183.91	1.3135	285.45	370.40	427.51	504.97	82.7	82.8	82.9	81.1	81.4	81.6	53.56	33.89	87.46	102.49	4.64	3.96	214.25	135.57	349.83	409.95	20.57	17.56	4.58
131	3631	49.92	249.60	250.60	0.3277	77.84	77.53	0.6560	93.70	107.87	185.40	1.3115	285.07	375.80	432.34	509.87	83.7	83.4	83.4	80.7	81.4	81.1	53.84	33.79	87.63	102.89	6.07	5.18	215.37	135.15	350.53	410.78	25.27	21.56	4.57
132	3632	49.85	249.25	250.25	0.2812	75.06	74.76	0.6543	93.10	107.45	182.21	1.3188	295.30	371.40	428.95	503.71	83.2	82.8	83.3	80.7	80.6	81.3	54.21	33.70	87.92	103.03	5.18	4.42	216.86	134.82	351.67	412.12	19.73	16.83	4.73
133	3633	50.05	250.25	251.05	0.3005	73.54	73.30	0.6550	94.00	108.21	181.51	1.3142	284.84	375.00	431.97	505.28	83.2	83.5	83.4	81.5	81.5	81.0	53.98	33.90	87.88	102.98	6.12	5.22	215.93	135.58	351.52	411.93	23.48	20.04	4.57
134	3634	49.84	249.20	250.00	0.2867	77.59	77.34	0.6553	91.90	106.45	183.79	1.3166	298.14	365.60	424.10	501.44	83.6	83.5	83.3	81.3	80.9	80.7	54.25	33.75	88.00	103.12	3.90	3.33	217.00	134.99	351.99	412.49	13.61	11.62	4.77
135	3635	49.96	249.80	250.70	0.2453	76.30	76.03	0.6559	92.00	106.42	182.45	1.3149	289.08	367.00	424.85	500.87	83.3	82.7	83.7	80.5	80.7	81.4	53.95	33.70	87.64	102.71	4.36	3.72	215.79	134.78	350.57	410.83	16.43	14.02	4.63
136	3636	50.05	250.25	251.25	0.3019	73.95	73.65	0.6545	91.49	106.05	179.70	1.3194	287.49	372.51	429.79	503.44	83.1	83.2	82.7	80.8	80.6	80.9	54.19	33.65	87.83	102.93	3.66	3.12	216.74	134.58	351.32	411.71	21.19	18.08	4.61
137	3637	49.96	249.80	250.50	0.2969	76.57	76.36	0.6547	93.80	107.81	184.16	1.3100	285.17	376.20	432.08	508.43	82.8	82.8	83.0	81.1	81.5	81.0	53.32	33.84	87.16	102.14	6.64	5.67	213.28	135.35	348.63	408.55	27.57	23.52	4.57
138	3638	49.93	249.65	250.55	0.2712	77.34	77.06	0.6551	92.70	107.24	184.30	1.3184	285.23	368.80	427.25	504.31	83.7	83.7	83.4	81.6	80.8	81.2	54.49	33.84	88.33	103.51	4.37	3.73	217.95	135.36	353.31	414.04	15.49	13.22	4.57
139	3639	49.92	249.60	250.50	0.3290	77.55	77.27	0.6549	93.70	108.05	185.32	1.3198	297.72	376.80	433.89	511.16	83.8	83.5	83.3	80.9	80.7	80.5	54.56	33.62	88.18	103.34	5.52	4.71	218.25	134.47	352.72	413.34	24.08	20.55	4.77
140	3640	50.01	250.05	251.05	0.2364	77.16	76.85	0.6540	91.90	106.37	183.22	1.3155	291.17	369.60	427.17	504.02	83.4	83.0	83.4	81.2	80.7	80.7	54.03	33.70	87.73	102.80	4.17	3.56	216.10	134.80	350.90	411.21	18.70	15.96	4.66
141	3641	49.80	249.00	250.00	0.2346	74.64	74.34	0.6546	93.50	107.91	182.25	1.3182	286.05	374.00	431.62	505.96	83.4	83.6	83.7	81.4	81.1	81.2	54.43	33.85	88.28	103.45	5.22	4.46	217.70	135.40	353.10	413.79	20.90	17.83	4.59
142	3642	49.97	249.85	250.85	0.2436	79.21	78.89	0.6545	94.37	108.34	187.24	1.3119	284.93	379.54	435.13	514.02	83.2	83.2	82.8	81.2	80.6	80.9	53.61	33.71	87.32	102.32	7.05	6.02	214.42	134.84	349.26	409.29	30.28	25.84	4.57
143	3643	49.96	249.80	250.50	0.3216	76.83	76.61	0.6556	92.10	106.60	183.21	1.3170	298.64	367.40	425.54	502.16	83.2	83.6	82.8	81.1	81.4	80.7	54.13	33.79	87.92	103.04	4.18	3.56	216.52	135.17	351.70	412.14	15.70	13.40	4.78
144	3644	50.03	250.15	251.05	0.3304	74.53	74.26	0.6551	93.70	107.86	182.13	1.3127	296.45	376.80	433.16	507.42	83.5	83.6	83.0	81.1	80.7	81.1	53.88	33.73	87.61	102.66	6.09	5.20	215.50	134.93	350.43	410.66	26.37	22.50	4.75
145	3645	50.00	250.00	250.70	0.2469	76.42	76.21	0.6559	92.40	106.75	182.96	1.3167	293.48	367.60	425.30	501.51	82.9	83.2	83.1	80.6	80.5	80.7	54.02	33.58	87.60	102.66	4.60	4.10	216.07	134.33	350.40	410.63	17.20	14.67	4.70
146	3646	49.81	249.05	249.95	0.2676	75.85	75.58	0.6553	93.70	107.93	183.50	1.3152	298.61	375.80	432.56	508.14	83.4	83.7	83.3	80.7	80.8	81.0	54.13	33.67	87.81	102.90	5.89	5.03	216.53	134.69	351.22	411.59	24.58	20.97	4.78
147	3647	49.97	249.85	250.75	0.2486	75.60	75.33	0.6555	94.00	108.15	183.47	1.3113	293.10	375.00	431.73	507.06	83.8	83.4	83.7	80.8	81.3	81.1	53.92	33.77	87.69	102.76	6.31	5.38	215.66	135.10	350.76	411.05	24.24	20.68	4.69
148	3648	50.05	250.25	251.15	0.2689	77.93	77.65	0.6540	91.60	106.13	183.78	1.3141	295.03	364.40	422.83	500.48	83.7	83.4	83.0	81.2	81.0	81.3	53.98	33.82	87.80	102.89	3.80	3.24	215.94	135.28	351.21	411.58	13.19	11.25	4.72
149	3649	50.10	250.50	251.30	0.2132	74.66	74.42	0.6560	92.20	106.61	181.03	1.3157	285.66	368.80	426.45	500.87	83.2	83.5	82.7	81.1	80.5	81.1	53.99	33.71	87.70	102.77	4.50	3.84	215.94	134.84	350.79	411.08	18.01	15.37	4.58
150	3650	50.08	250.40	251.20	0.2452	76.30	76.06	0.6548	92.30	106.62	182.68	1.3134	291.67	367.20	424.77	500.83	83.2	82.8	83.7	80.9	80.6	80.5	53.84	33.61	87.45	102.48	4.85	4.14	215.37	134.44	349.81	409.94	17.39	14.84	4.67

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Cholkshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — FINAL - INSPECTION — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R005 0120 4320 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 32 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In milliohm)			HV	LV	Total	Total at 75 °c	32	75	HV	LV	Total	Total at 75 °c	32	75	
		Hz	Volt	Volt	Amp	Watt	Watt		32 °C	75 °c	75 °c		Volt	32 °C	75 °c	75 °c	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	32 °C				°C	°C	32 °C				°C	°C	75°
Guaranteed Values		50.00									190					635																		
151	3651	49.85	249.25	250.05	0.2253	77.63	77.38	0.6542	94.15	107.89	185.27	1.3118	301.44	378.37	433.09	510.47	83.8	83.7	83.7	80.8	80.6	80.8	54.03	33.65	87.68	102.35	6.47	5.54	216.12	134.60	350.72	409.40	27.65	23.69	4.62
152	3652	49.99	249.95	250.85	0.1680	74.74	74.47	0.6549	92.84	106.68	181.15	1.3113	282.67	373.59	428.62	503.09	83.0	83.8	83.3	80.6	81.1	80.6	53.73	33.64	87.38	102.00	5.46	4.68	214.93	134.58	349.51	407.98	24.08	20.63	4.53
153	3653	50.10	250.50	251.20	0.1665	74.44	74.23	0.6552	93.18	107.13	181.36	1.3164	284.72	374.19	429.78	504.01	83.5	82.7	83.3	81.4	81.4	80.9	54.05	33.85	87.90	102.60	5.28	4.53	216.19	135.40	351.59	410.41	22.60	19.36	4.58
154	3654	49.82	249.10	250.10	0.1859	75.27	74.97	0.6555	92.71	106.70	181.67	1.3148	288.49	370.69	426.68	501.65	83.6	82.7	83.7	80.7	81.4	81.1	54.03	33.79	87.82	102.51	4.89	4.19	216.13	135.14	351.27	410.05	19.42	16.63	4.62
155	3655	50.10	250.50	251.30	0.1859	75.82	75.58	0.6551	94.48	108.07	183.65	1.3114	286.54	376.90	431.40	506.98	83.2	82.9	83.3	80.7	81.0	81.2	53.60	33.74	87.34	101.95	7.14	6.12	214.39	134.95	349.34	407.79	27.56	23.61	4.58
156	3656	49.90	249.50	250.20	0.1784	74.48	74.27	0.6541	93.42	107.24	181.51	1.3131	288.67	373.59	428.89	503.16	83.4	82.9	82.9	81.4	81.1	81.4	53.72	33.88	87.60	102.25	5.82	4.99	214.87	135.52	350.38	409.01	23.21	19.88	4.62
157	3657	49.90	249.50	250.30	0.3053	77.59	77.34	0.6555	93.69	107.41	184.75	1.3148	285.86	374.85	430.05	507.39	83.3	83.5	83.1	80.7	81.0	80.7	53.98	33.68	87.66	102.33	5.93	5.08	215.93	134.72	350.65	409.32	24.20	20.73	4.58
158	3658	49.81	249.05	249.95	0.2380	77.94	77.66	0.6556	94.12	108.00	185.65	1.3180	289.74	380.35	435.30	512.95	83.3	83.3	83.7	80.9	81.2	80.8	54.36	33.73	88.09	102.83	6.03	5.16	217.44	134.93	352.37	411.32	27.98	23.97	4.64
159	3659	49.98	249.90	250.60	0.2560	77.17	76.95	0.6547	94.38	108.21	185.16	1.3172	290.49	376.29	431.78	508.73	82.8	83.6	83.8	81.1	80.7	81.5	54.27	33.79	88.06	102.79	6.32	5.42	217.08	135.15	352.23	411.16	24.06	20.61	4.65
160	3660	49.92	249.60	250.40	0.1957	74.82	74.58	0.6544	94.22	108.19	182.77	1.3196	286.77	379.42	434.93	509.51	83.7	83.7	83.6	81.2	81.5	80.8	54.65	33.80	88.44	103.24	5.78	4.95	218.58	135.18	353.76	412.95	25.66	21.98	4.60
161	3661	49.80	249.00	249.70	0.2747	78.69	78.47	0.6560	94.84	108.60	187.06	1.3169	291.67	378.91	433.99	512.46	83.6	83.8	83.3	81.2	80.7	80.7	54.33	33.71	88.04	102.77	6.80	5.83	217.32	134.83	352.15	411.07	26.76	22.92	4.67
162	3662	49.85	249.25	250.25	0.2335	75.48	75.18	0.6546	92.20	106.16	181.34	1.3121	284.90	369.80	425.51	500.68	83.1	83.1	82.9	81.1	81.2	81.6	53.60	33.88	87.49	102.12	4.71	4.04	214.41	135.54	349.95	408.50	19.65	17.01	4.58
163	3663	49.80	249.00	249.90	0.2245	77.52	77.24	0.6541	92.46	106.38	183.62	1.3120	285.58	372.81	428.05	505.29	83.4	83.2	83.0	80.7	81.1	81.3	53.69	33.77	87.46	102.10	5.00	4.28	214.76	135.09	349.85	408.39	22.96	19.67	4.58
164	3664	50.00	250.00	250.90	0.2381	76.94	76.66	0.6546	93.25	107.19	183.86	1.3190	289.99	374.00	429.63	506.29	83.3	83.2	82.9	80.7	80.6	81.1	54.24	33.67	87.91	102.62	5.34	4.57	216.96	134.69	351.64	410.48	22.36	19.15	4.64
165	3665	50.08	250.40	251.30	0.2928	80.11	79.82	0.6551	93.59	107.53	187.35	1.3186	291.37	375.85	431.38	511.21	83.0	83.8	82.7	81.2	80.8	81.4	54.24	33.81	88.05	102.78	5.54	4.75	216.96	135.23	352.18	411.11	23.67	20.27	4.67
166	3666	49.91	249.55	250.45	0.1862	73.56	73.29	0.6560	93.50	107.35	180.64	1.3146	284.89	375.25	430.47	503.76	83.2	82.9	83.6	80.6	81.6	81.1	53.93	33.79	87.72	102.40	5.78	4.95	215.71	135.17	350.88	409.59	24.37	20.88	4.57
167	3667	49.82	249.10	250.00	0.2550	77.50	77.22	0.6548	93.37	107.25	184.47	1.3174	293.47	374.68	430.01	507.23	82.9	82.8	83.7	80.7	80.7	80.9	54.10	33.65	87.75	102.43	5.62	4.81	216.39	134.61	351.00	409.72	23.68	20.29	4.70
168	3668	49.96	249.80	250.70	0.2756	78.57	78.29	0.6549	92.28	106.49	184.78	1.3189	288.44	372.69	429.03	507.32	83.1	83.6	83.4	81.5	81.5	81.5	54.37	33.96	88.33	103.11	3.95	3.38	217.50	135.84	353.34	412.45	19.35	16.58	4.62
169	3669	49.85	249.25	250.05	0.2219	77.68	77.43	0.6541	94.24	107.92	185.35	1.3143	291.38	377.54	432.18	509.51	83.4	82.8	83.2	80.7	80.6	81.1	53.85	33.67	87.52	102.17	6.72	5.75	215.40	134.69	350.10	408.68	27.44	23.51	4.67
170	3670	50.04	250.20	251.20	0.2369	76.59	76.28	0.6546	92.71	106.75	183.04	1.3172	296.68	375.42	430.93	507.22	83.1	83.7	82.7	81.1	81.6	81.1	54.12	33.86	87.98	102.70	4.73	4.05	216.49	135.43	351.91	410.79	23.51	20.14	4.78
171	3671	50.09	250.45	251.25	0.1935	75.57	75.33	0.6558	93.69	107.34	182.67	1.3103	286.84	373.61	428.38	503.71	83.1	83.0	82.8	80.7	81.4	81.0	53.39	33.78	87.17	101.76	6.52	5.58	213.57	135.12	348.69	407.04	24.92	21.35	4.59
172	3672	50.05	250.25	251.05	0.2356	75.73	75.49	0.6549	92.58	106.67	182.16	1.3196	288.13	372.49	428.54	504.03	83.3	82.9	83.4	81.1	80.9	80.9	54.32	33.75	88.07	102.61	4.51	3.86	217.29	135.00	352.30	411.24	20.19	17.30	4.55
173	3673	50.06	250.30	251.30	0.1952	75.64	75.34	0.6541	93.59	107.23	182.56	1.3102	290.68	374.22	428.78	504.12	82.9	83.0	82.7	80.9	80.7	81.2	53.35	33.72	87.08	101.65	6.51	5.58	213.41	134.89	348.30	406.58	25.92	22.20	4.65
174	3674	49.83	249.15	250.05	0.2682	78.84	78.65	0.6555	94.26	108.08	186.73	1.3185	292.47	380.32	435.13	513.79	83.0	83.4	82.9	81.1	81.5	80.8	54.17	33.81	87.98	102.70	6.28	5.38	216.70	135.22	351.92	410.80	28.40	24.33	4.68
175	3675	50.09	250.45	251.35	0.2291	77.30	77.02	0.6553	93.52	107.30	184.33	1.3108	297.62	376.59	431.37	508.39	83.0	83.3	83.7	81.6	81.5	80.5	53.68	33.84	87.52	102.17	6.00	5.14	214.73	135.35	350.09	408.68	26.50	22.70	4.78

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R60501204020 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 33 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In milliohm)			HV	LV	Total	Total at 75 °c	33	75	HV	LV	Total	Total at 75 °c	33	75	
		Hz	Volt	Volt	Amp	Watt	Watt		33 °C	75 °c	75 °c		Volt	33 °C	75 °c	75 °c	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	33 °C				°C	°C	33 °C				°C	°C	75°
Guaranteed Values		56.00									190					635																		
176	3676	50.01	250.43	251.20	0.2383	73.59	73.36	0.6557	93.43	106.80	180.17	1.3112	295.38	376.17	429.31	502.68	82.8	83.6	83.0	80.5	81.3	81.3	53.60	33.76	87.36	101.58	6.07	5.22	214.40	135.04	349.44	406.33	26.73	22.99	4.72
177	3677	49.97	250.12	250.90	0.2343	74.63	74.40	0.6556	92.85	106.33	180.73	1.3110	285.53	371.43	425.35	499.75	83.4	83.0	83.7	81.4	80.6	80.7	53.73	33.72	87.45	101.69	5.40	4.64	214.93	134.87	349.81	406.75	21.62	18.60	4.57
178	3678	49.95	250.15	250.87	0.2257	73.52	73.31	0.6554	93.18	106.66	179.97	1.3114	283.19	372.75	426.67	499.98	82.8	83.5	83.4	81.3	81.4	81.4	53.69	33.92	87.60	101.86	5.56	4.80	214.75	135.67	350.41	407.46	22.34	19.21	4.54
179	3679	49.96	250.22	250.77	0.2227	74.97	74.81	0.6559	92.42	106.16	180.96	1.3192	294.23	369.91	424.82	499.63	80.1	83.3	83.5	80.7	81.0	81.2	54.36	33.74	88.10	102.44	4.32	3.72	217.42	134.96	352.38	409.75	17.53	15.07	4.71
180	3680	49.93	250.82	251.63	0.1557	73.21	72.97	0.6555	93.17	106.79	179.77	1.3176	294.24	375.67	429.74	502.71	82.6	83.7	83.7	81.1	81.2	80.7	54.31	33.76	88.07	102.40	5.10	4.39	217.24	135.03	352.27	409.62	23.40	20.12	4.71
181	3681	49.99	250.32	250.96	0.1686	74.81	74.62	0.6554	91.12	104.61	179.43	1.3122	285.36	366.20	420.71	495.33	83.0	82.6	83.1	80.8	81.0	81.4	53.56	33.77	87.33	101.55	3.79	3.26	214.25	135.06	349.33	406.20	16.87	14.50	4.57
182	3682	49.87	250.13	250.83	0.1961	75.63	75.42	0.6557	93.07	106.59	182.01	1.3145	288.46	372.31	426.37	501.79	82.8	83.7	83.0	81.6	81.3	80.5	53.67	33.81	87.87	101.95	5.40	4.64	215.47	135.22	350.69	407.78	21.62	18.59	4.62
183	3683	50.01	250.19	250.85	0.1783	72.63	72.44	0.6558	92.84	106.47	178.91	1.3162	289.84	371.62	426.10	498.53	83.4	83.3	83.1	81.5	81.4	80.7	54.10	33.83	87.93	102.25	4.91	4.22	216.40	135.34	351.74	409.00	19.66	17.10	4.64
184	3684	50.03	250.14	250.70	0.1669	73.69	73.53	0.6561	94.19	107.50	181.02	1.3114	289.66	377.16	430.34	503.86	83.7	83.4	83.1	80.6	81.0	81.2	53.78	33.72	87.50	101.75	6.69	5.75	215.13	134.88	350.02	407.00	27.14	23.34	4.64
185	3685	49.95	250.31	250.89	0.2094	73.57	73.40	0.6557	92.75	106.34	179.74	1.3143	286.15	370.91	425.29	498.69	83.6	83.0	83.7	80.6	81.2	80.8	54.07	33.70	87.77	102.06	4.98	4.28	216.28	134.80	351.08	408.23	19.83	17.05	4.58
186	3686	49.96	250.42	250.93	0.2180	73.92	73.77	0.6554	93.09	106.53	180.30	1.3109	284.72	372.36	426.14	499.91	83.3	83.5	83.2	81.0	81.2	80.5	53.72	33.72	87.43	101.67	5.66	4.86	214.87	134.87	349.74	406.67	22.64	19.47	4.56
187	3687	49.93	250.15	250.72	0.1969	76.42	76.25	0.6553	92.60	106.14	182.38	1.3114	282.50	371.06	425.14	501.38	83.0	83.4	83.2	81.0	81.5	81.4	53.64	33.88	87.53	101.77	5.07	4.36	214.58	135.53	350.10	407.10	20.98	18.04	4.53
188	3688	49.98	250.19	250.89	0.1864	75.67	75.46	0.6553	92.42	106.21	181.67	1.3193	284.32	370.96	425.94	501.39	83.4	83.3	83.1	81.5	81.4	81.2	54.36	33.91	88.27	102.64	4.15	3.57	217.43	135.65	353.08	410.56	17.88	15.37	4.56
189	3689	50.00	250.10	250.77	0.2697	76.49	76.29	0.6557	93.12	106.71	182.99	1.3177	285.85	375.12	429.10	505.38	83.1	83.2	83.6	81.0	81.1	80.5	54.24	33.69	87.93	102.24	5.19	4.46	216.95	134.76	351.72	408.97	23.40	20.13	4.58
190	3690	49.95	250.15	250.84	0.2018	77.66	77.45	0.6559	93.05	106.61	184.06	1.3145	289.12	375.53	429.31	506.76	83.3	83.1	83.7	80.5	81.4	81.3	54.03	33.79	87.81	102.11	5.24	4.50	216.11	135.15	351.26	408.44	24.27	20.87	4.63
191	3691	49.99	250.36	251.12	0.1995	77.97	77.73	0.6556	93.12	106.56	184.31	1.3143	292.52	373.39	427.09	504.83	83.4	82.9	82.9	80.5	80.6	81.5	53.81	33.69	87.50	101.75	5.62	4.83	215.24	134.77	350.01	406.98	23.38	20.11	4.68
192	3692	49.95	250.12	250.92	0.3194	75.92	75.68	0.6558	93.12	106.54	182.22	1.3115	283.44	374.60	428.00	503.67	82.8	82.9	83.3	81.3	81.3	81.1	53.53	33.85	87.39	101.81	5.73	4.93	214.14	135.42	349.55	406.46	25.05	21.54	4.54
193	3693	50.00	250.20	250.87	0.2457	74.37	74.17	0.6557	92.20	105.81	179.98	1.3110	284.38	368.80	423.25	497.42	82.7	83.7	83.5	81.4	81.1	81.5	53.69	33.90	87.59	101.85	4.61	3.96	214.77	135.59	350.36	407.39	18.44	15.86	4.55
194	3694	49.97	250.31	250.87	0.1901	74.15	73.98	0.6554	92.49	106.02	180.00	1.3119	296.47	373.78	427.35	501.33	83.5	83.3	83.0	80.8	80.8	81.0	53.75	33.89	87.43	101.67	5.06	4.35	214.98	134.75	349.73	406.66	24.05	20.68	4.74
195	3695	50.01	250.43	250.87	0.2810	75.99	75.86	0.6559	93.16	106.68	182.53	1.3149	295.12	375.69	429.33	505.19	83.5	83.0	83.2	80.7	80.6	81.6	53.99	33.73	87.71	101.99	5.45	4.68	215.95	134.91	350.86	407.97	24.83	21.36	4.72
196	3696	49.97	250.42	251.07	0.2356	76.52	76.32	0.6556	93.92	107.37	183.69	1.3169	283.19	376.11	429.84	506.16	83.3	83.2	83.5	81.2	80.5	80.6	54.19	33.65	87.84	102.14	6.08	5.23	216.75	134.60	351.36	408.55	24.75	21.29	4.54
197	3697	50.02	250.29	251.62	0.2781	77.12	76.71	0.6555	93.96	107.46	184.17	1.3155	285.13	375.12	429.16	505.87	83.7	83.7	83.2	81.1	81.3	80.8	54.20	33.77	87.98	102.30	6.00	5.16	216.80	135.10	351.90	409.19	23.22	19.97	4.57
198	3698	49.95	250.30	250.92	0.2476	75.09	74.90	0.6556	92.48	106.06	180.99	1.3153	294.57	369.92	424.34	499.24	83.8	82.9	83.1	80.5	81.4	80.5	54.02	33.67	87.69	101.97	4.79	4.12	216.06	134.70	350.76	407.86	19.16	16.48	4.71
199	3699	49.96	250.19	250.85	0.2197	73.93	73.73	0.6555	92.06	105.58	179.31	1.3112	292.47	368.11	422.24	495.97	82.7	83.5	83.0	81.0	80.5	80.9	53.58	33.86	87.24	101.44	4.81	4.14	214.24	134.72	348.96	405.76	19.15	16.47	4.68
200	3700	50.00	250.50	251.15	0.1941	77.23	77.03	0.6557	92.15	105.81	182.84	1.3119	294.38	370.62	424.96	502.01	83.8	83.5	83.1	81.0	81.4	81.4	53.86	33.86	87.72	102.00	4.43	3.81	215.44	135.45	350.89	408.02	19.73	16.96	4.71

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test)
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	9005 0120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 30 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (in ohm)			LV (in milliohm)			HV	LV	Total	Total at 75 °C	30 °C	75 °C	HV	LV	Total	Total at 75 °C	30 °C	75 °C	75 °C
		Hz	Volt	Volt	Amp	Watt	Watt		30 °C	75 °C	75 °C		Volt	30 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	30 °C						30 °C					
Guaranteed Values		50.00									190					535																		
201	3701	50.01	250.12	250.93	0.2662	78.12	77.87	0.6554	92.75	107.42	185.28	1.3108	283.34	389.12	428.07	505.93	83.7	83.0	83.5	81.1	80.7	81.4	53.75	33.79	87.54	102.99	5.21	4.43	215.02	135.14	350.15	411.94	18.97	16.12	4.55
202	3702	49.95	250.32	250.83	0.2275	73.85	73.70	0.6556	92.12	106.84	180.54	1.3112	290.12	378.12	435.56	509.26	83.5	83.1	82.9	81.2	81.2	81.0	53.62	33.80	87.42	102.84	4.70	4.00	214.48	135.19	349.67	411.38	20.45	24.18	4.65
203	3703	49.96	250.17	250.79	0.2157	77.28	77.09	0.6557	93.92	106.38	185.45	1.3114	291.59	377.26	434.78	511.86	83.4	83.1	82.8	81.3	80.6	81.4	53.56	33.80	87.36	102.80	6.54	5.56	214.33	135.18	349.51	411.19	27.75	23.59	4.67
204	3704	49.93	250.82	251.83	0.3301	80.01	79.75	0.6555	93.80	106.51	188.26	1.3178	295.75	375.54	434.34	514.09	83.8	83.4	83.3	81.4	80.8	81.1	54.36	33.81	88.16	103.72	5.64	4.79	217.43	135.22	352.65	414.88	22.89	19.46	4.74
205	3705	49.99	250.32	250.96	0.2210	74.55	74.36	0.6559	93.07	107.61	181.97	1.3122	297.15	375.67	433.30	507.66	82.8	83.2	83.3	80.6	81.1	80.5	53.65	33.64	87.29	102.69	5.78	4.92	214.59	134.55	349.14	410.76	26.53	22.55	4.76
206	3706	49.87	250.13	250.83	0.2031	74.87	74.66	0.6554	93.12	107.61	182.47	1.3145	287.51	375.11	433.46	508.12	83.3	83.0	83.6	80.9	81.0	81.6	53.96	33.81	87.77	103.26	5.35	4.55	215.62	135.25	351.07	413.03	24.04	20.43	4.61
207	3707	50.01	250.19	250.85	0.1983	76.21	76.01	0.6557	93.10	107.85	183.86	1.3162	289.93	370.43	429.74	505.75	83.0	83.8	83.7	81.0	80.6	81.1	54.25	33.72	87.96	103.49	5.14	4.37	217.00	134.86	351.86	413.95	18.57	15.79	4.65
208	3708	50.03	250.14	250.70	0.2067	75.26	75.09	0.6558	92.12	107.00	182.09	1.3114	285.29	371.67	430.70	505.79	83.7	83.8	83.6	81.2	81.5	81.4	53.99	33.91	87.89	103.40	4.23	3.59	215.95	135.62	351.57	413.62	20.10	17.08	4.58
209	3709	49.95	250.31	250.89	0.1760	73.27	73.10	0.6552	91.82	106.72	179.82	1.3143	285.12	367.29	426.89	499.99	83.8	83.6	82.6	81.3	81.0	81.3	54.01	33.82	87.83	103.33	3.99	3.39	216.03	135.29	351.32	413.32	15.97	13.57	4.57
210	3710	49.96	250.42	250.93	0.2160	76.48	76.32	0.6559	92.10	106.87	183.19	1.3110	290.12	370.02	428.86	505.18	83.6	83.6	83.1	81.3	81.2	80.8	53.76	33.79	87.56	103.01	4.54	3.86	215.06	135.17	350.23	412.03	19.79	16.82	4.65
211	3711	49.93	250.15	250.72	0.1804	75.52	75.35	0.6554	92.26	107.02	182.36	1.3114	285.12	373.26	431.65	507.00	83.4	83.7	83.2	80.6	81.0	81.5	53.82	33.77	87.59	103.04	4.67	3.97	215.26	135.09	350.35	412.18	22.91	19.47	4.57
212	3712	49.96	250.19	250.89	0.2217	74.14	73.93	0.6553	93.65	108.35	182.28	1.3193	295.86	374.62	433.42	507.35	83.4	82.9	83.1	81.5	80.7	81.3	54.24	33.82	88.06	103.60	5.59	4.75	216.97	135.26	352.23	414.39	22.39	19.03	4.74
213	3713	50.00	250.10	250.77	0.1833	74.27	74.07	0.6555	92.54	107.36	181.43	1.3177	283.19	371.62	430.68	504.75	83.5	83.1	82.9	80.8	81.5	80.8	54.15	33.76	87.91	103.42	4.63	3.93	216.60	135.04	351.64	413.70	19.98	16.98	4.54
214	3714	49.95	250.15	250.84	0.2030	77.22	77.01	0.6557	92.12	106.91	183.92	1.3145	283.38	373.12	431.60	508.61	83.7	83.2	82.8	81.5	80.5	80.8	53.92	33.72	87.64	103.11	4.48	3.81	215.67	134.90	350.57	412.43	22.55	19.17	4.55
215	3715	49.99	250.36	251.12	0.2497	77.11	76.88	0.6556	93.02	107.73	184.61	1.3143	280.22	372.20	431.04	507.92	83.0	83.7	83.3	81.1	81.3	81.3	53.97	33.84	87.81	103.31	5.21	4.43	215.90	135.35	351.25	413.23	20.95	17.81	4.50
216	3716	49.95	250.12	250.92	0.2081	75.15	74.91	0.6558	93.06	107.60	182.51	1.3115	284.48	375.60	433.24	508.15	82.7	83.0	83.1	81.2	81.0	81.2	53.48	33.80	87.28	102.69	5.78	4.91	213.92	135.21	349.13	410.74	26.47	22.50	4.56
217	3717	50.00	250.20	250.87	0.1889	74.85	74.65	0.6557	93.99	108.39	183.04	1.3110	292.33	378.56	435.76	510.41	83.0	83.0	83.4	81.0	80.9	80.8	53.57	33.71	87.29	102.69	6.70	5.70	214.30	134.84	349.14	410.76	29.42	25.01	4.68
218	3718	49.97	250.31	250.87	0.1843	74.67	74.50	0.6554	93.80	108.33	182.83	1.3119	284.83	375.14	433.25	507.75	82.7	83.6	83.7	81.1	81.0	80.9	53.84	33.75	87.59	103.05	6.21	5.28	215.36	135.00	350.36	412.19	24.78	21.06	4.57
219	3719	50.01	250.43	251.07	0.1942	75.83	75.64	0.6559	92.56	107.37	183.00	1.3119	289.65	370.27	429.49	505.13	83.7	83.6	83.6	81.4	81.5	81.1	53.99	33.89	87.88	103.39	4.68	3.98	215.97	135.56	351.53	413.57	18.74	15.93	4.64
220	3720	49.96	250.42	251.60	0.1913	76.58	76.22	0.6556	93.05	107.86	184.08	1.3169	287.15	370.16	429.72	505.94	83.4	83.0	83.4	81.5	81.5	81.6	54.15	33.98	88.13	103.68	4.92	4.18	216.81	135.90	352.52	414.73	17.64	15.00	4.61
221	3721	49.97	250.20	250.89	0.2161	77.82	77.61	0.6553	92.30	107.07	184.67	1.3121	288.60	369.20	428.27	505.88	82.8	83.8	83.6	81.2	81.3	80.9	53.84	33.80	87.64	103.11	4.66	3.96	215.36	135.20	350.57	412.43	18.63	15.84	4.63
222	3722	50.02	250.29	251.62	0.1966	75.12	74.72	0.6555	92.03	106.80	181.52	1.3155	298.12	372.57	431.00	505.72	82.7	83.2	82.8	81.1	80.6	81.2	53.81	33.72	87.54	102.99	4.49	3.82	215.26	134.90	350.15	411.94	22.42	19.05	4.77
223	3723	49.95	250.30	250.92	0.1901	75.61	75.62	0.6558	93.06	107.78	183.40	1.3153	293.12	370.19	429.30	504.93	82.8	83.2	83.7	81.0	81.3	81.0	53.99	33.80	87.79	103.28	5.29	4.50	215.96	135.20	351.16	413.13	19.03	16.18	4.70
224	3724	49.96	250.19	250.85	0.1950	75.31	75.11	0.6555	92.19	107.00	182.11	1.3112	291.26	369.12	428.30	503.41	83.2	83.6	83.8	81.1	81.3	81.4	53.86	33.85	87.72	103.20	4.47	3.80	215.45	135.42	350.86	412.76	18.26	15.52	4.67
225	3725	50.02	250.29	251.12	0.2338	77.95	77.69	0.6557	94.75	109.04	186.73	1.3119	286.37	380.43	437.36	515.05	82.8	83.1	83.2	80.5	80.7	81.3	53.60	33.69	87.29	103.10	7.46	6.34	214.41	134.75	349.17	410.78	31.26	26.57	4.59

For R K Industries, Bareilly

Testing Engineer

Er. Virender Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — FINAL - INSPECTION — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA , LEVEL-II, AGAINST L.O.I no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	RGGVY 6120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 31 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In milliohm)			HV	LV	Total	Total at 75 °c	31 °C	75 °C	HV	LV	Total	Total at 75 °c	31 °C	75 °C	
		Hz	Volt	Volt	Amp	Watt	Watt		31 °C	75 °c	75 °c		Volt	31 °C	75 °c	75 °c	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	31 °C						31 °C					
Guaranteed Values		50.00									190					635																		
226	3726	50.07	250.35	251.15	0.2664	74.16	73.92	0.6551	91.90	106.48	180.40	1.3156	289.25	365.60	424.21	496.13	83.4	83.4	83.6	81.5	81.5	81.2	54.17	33.91	88.08	103.22	3.82	3.26	216.69	135.64	352.33	412.89	13.27	11.32	4.64
227	3727	49.85	249.25	250.05	0.3267	74.99	74.75	0.6548	92.00	106.32	181.07	1.3109	284.91	369.00	426.15	500.90	83.0	83.1	83.1	81.0	81.6	80.7	53.53	33.80	87.33	102.34	4.67	3.99	214.13	135.19	349.32	409.36	19.68	16.80	4.57
228	3728	50.07	250.35	251.15	0.3395	76.34	76.10	0.6558	93.60	107.93	184.02	1.3125	288.92	374.20	430.86	506.96	82.7	83.5	83.3	81.0	81.0	81.4	53.73	33.81	87.54	102.59	6.26	5.34	214.92	135.25	350.17	410.35	24.03	20.51	4.63
229	3729	49.95	249.75	250.45	0.3003	77.19	76.97	0.6559	91.60	106.14	183.11	1.3159	291.65	368.40	426.25	503.22	83.3	83.2	83.4	81.2	80.7	80.8	54.09	33.72	87.81	102.90	3.79	3.24	216.36	134.86	351.22	411.59	17.18	14.66	4.67
230	3730	49.90	249.50	250.40	0.2581	75.91	75.64	0.6544	93.20	107.49	183.12	1.3158	295.91	370.80	428.24	503.88	83.3	83.3	83.1	80.7	81.1	81.0	54.03	33.73	87.76	102.85	5.44	4.64	216.14	134.92	351.06	411.39	19.74	16.85	4.74
231	3731	49.90	249.50	250.50	0.2849	77.37	77.06	0.6549	93.10	107.50	184.56	1.3181	293.74	373.40	430.86	507.92	82.9	83.3	83.6	81.5	81.3	80.8	54.25	33.83	88.08	103.22	5.02	4.26	216.99	135.33	352.32	412.87	21.08	17.99	4.71
232	3732	49.97	249.85	250.75	0.3153	75.31	75.04	0.6551	93.90	108.12	183.16	1.3151	291.55	376.60	433.33	508.37	82.9	83.6	83.8	81.5	81.1	80.6	54.10	33.78	87.87	102.98	6.03	5.14	216.38	135.10	351.49	411.90	25.11	21.43	4.67
233	3733	49.86	249.30	250.30	0.2107	75.13	74.83	0.6543	93.60	107.98	182.80	1.3191	289.41	375.40	432.76	507.58	82.9	83.7	83.4	81.3	81.5	80.9	54.38	33.85	88.23	103.39	5.37	4.59	217.52	135.38	352.90	413.56	22.50	19.20	4.64
234	3734	49.93	249.65	250.55	0.2349	77.50	77.22	0.6542	92.50	106.84	184.06	1.3107	280.62	370.00	427.38	504.60	83.7	83.3	83.6	80.9	81.0	81.4	53.81	33.81	87.62	102.66	4.88	4.16	215.24	135.24	350.48	410.72	19.52	16.66	4.66
235	3735	49.81	249.05	249.85	0.2674	76.05	75.81	0.6547	91.50	105.91	181.72	1.3108	293.66	366.00	423.66	499.46	83.5	83.2	82.8	81.2	81.0	81.0	53.60	33.78	87.38	102.40	4.12	3.52	214.39	135.13	349.52	409.59	16.48	14.06	4.70
236	3736	49.91	249.55	250.45	0.3398	77.73	77.45	0.6540	92.20	106.65	184.10	1.3157	289.25	366.80	424.91	502.36	83.5	82.7	83.6	81.5	81.0	80.8	54.04	33.78	87.82	102.92	4.38	3.73	216.17	135.13	351.30	411.66	15.50	13.23	4.64
237	3737	50.00	250.00	250.70	0.2292	77.48	77.26	0.6557	92.60	106.90	184.16	1.3139	294.84	368.40	425.89	503.15	83.1	83.4	83.0	80.6	80.7	81.3	53.84	33.69	87.53	102.57	5.07	4.33	215.35	134.75	350.11	410.28	18.29	15.61	4.72
238	3738	50.07	250.35	251.25	0.3286	74.28	74.01	0.6540	93.40	107.66	181.67	1.3171	287.23	371.60	428.92	502.93	83.2	82.9	82.9	80.6	81.1	81.6	53.98	33.78	87.76	102.84	5.64	4.81	215.91	135.13	351.03	411.37	20.57	17.55	4.60
239	3739	49.85	249.25	250.05	0.2714	74.38	74.14	0.6558	93.20	107.40	181.54	1.3127	296.07	374.80	431.29	505.43	82.9	82.9	83.1	81.5	80.9	81.5	53.61	33.87	87.48	102.51	5.72	4.88	214.44	135.47	349.91	410.05	24.89	21.24	4.74
240	3740	50.08	250.40	251.20	0.2734	74.80	74.56	0.6542	91.80	106.44	181.00	1.3196	288.14	365.20	424.04	498.60	83.4	82.9	83.0	81.6	81.5	81.2	54.29	33.93	88.22	103.38	3.58	3.06	217.15	135.72	352.86	413.53	12.32	10.52	4.59
241	3741	50.08	250.40	251.30	0.3356	76.10	75.83	0.6553	92.80	107.21	183.03	1.3163	299.41	371.20	428.83	504.65	83.8	83.0	83.1	81.2	80.9	81.5	54.12	33.83	87.96	103.07	4.84	4.13	216.49	135.33	351.82	412.29	19.38	16.54	4.79
242	3742	49.86	249.30	250.20	0.2812	75.10	74.83	0.6557	92.70	106.93	181.76	1.3109	285.25	372.80	429.41	504.24	83.6	82.9	82.8	81.0	81.6	80.9	53.54	33.81	87.34	102.36	5.36	4.57	214.15	135.23	349.38	409.43	23.42	19.99	4.57
243	3743	50.09	250.45	251.15	0.2838	74.47	74.26	0.6555	93.70	107.80	182.06	1.3110	297.17	374.80	431.21	505.47	83.1	83.0	83.6	80.8	81.5	80.9	53.63	33.79	87.41	102.44	6.29	5.37	214.50	135.14	349.65	409.74	25.15	21.46	4.76
244	3744	50.05	250.25	251.15	0.2427	76.31	76.04	0.6552	93.40	107.73	183.77	1.3155	286.08	373.60	430.94	506.97	83.3	83.6	83.7	81.6	81.0	80.9	54.20	33.81	88.00	103.13	5.40	4.60	216.79	135.22	352.01	412.52	21.59	18.42	4.59
245	3745	49.93	249.65	250.35	0.3053	77.28	77.06	0.6549	93.10	107.40	184.47	1.3168	290.78	370.40	427.91	504.97	83.1	83.0	83.5	80.9	80.7	80.9	54.10	33.68	87.77	102.86	5.33	4.55	216.38	134.70	351.09	411.43	19.31	16.48	4.66
246	3746	49.83	249.15	249.85	0.3083	77.84	77.62	0.6558	91.80	106.38	184.00	1.3151	286.11	366.20	424.65	502.27	83.4	83.2	83.5	81.6	81.6	81.2	54.07	33.95	88.03	103.15	3.77	3.22	216.29	135.81	352.10	412.62	14.10	12.03	4.62
247	3747	50.00	250.00	250.90	0.2394	74.75	74.48	0.6559	93.60	108.05	182.53	1.3175	297.27	377.20	433.91	508.39	83.8	82.7	83.3	80.6	80.9	81.4	54.19	33.74	87.92	103.04	5.68	5.01	216.75	134.95	351.70	412.15	25.50	21.76	4.76
248	3748	50.05	250.25	250.95	0.2136	77.83	77.61	0.6545	92.10	106.61	184.22	1.3170	297.91	367.40	425.57	503.18	82.9	83.0	83.6	81.0	81.4	81.5	54.07	33.87	87.94	103.06	4.16	3.55	216.29	135.49	351.78	412.24	15.62	13.33	4.77
249	3749	50.01	250.05	250.75	0.2914	77.17	76.95	0.6541	92.50	106.94	183.89	1.3182	286.18	369.00	426.89	503.85	83.0	83.2	83.3	81.5	81.0	81.5	54.01	33.90	87.91	103.02	4.59	3.92	216.05	135.60	351.64	412.08	17.36	14.81	4.59
250	3750	50.05	250.25	251.25	0.2207	75.81	75.51	0.6551	93.10	107.35	182.86	1.3146	289.66	372.40	429.40	504.91	83.1	83.4	83.0	80.7	80.9	81.1	53.90	33.71	87.60	102.66	5.50	4.69	215.58	134.84	350.42	410.65	21.98	18.76	4.64

For R.K. Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF 25 KVA, LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	RD05 0120 4020 17	No Load Loss						Load Loss at 50 % Load at (0.668 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 31 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In milliohm)			HV	LV	Total	Total at 75 °C	31	75	HV	LV	Total	Total at 75 °C	31	75	
		Hz	Volt	Volt	Amp	Watt	Watt		31 °C	75 °C	75 °C		Volt	31 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	31 °C				°C	°C	31 °C				°C	°C	75 °C
Guaranteed Values		50.00									190					635																		
251	3751	49.86	249.30	250.00	0.2782	76.85	76.63	0.6559	93.30	107.50	184.14	1.3141	290.49	375.20	431.72	508.35	83.0	83.1	83.3	81.1	80.5	81.0	53.83	33.71	87.54	102.59	5.76	4.91	215.33	134.84	350.17	410.36	25.03	21.36	4.65
252	3752	50.00	250.00	250.80	0.3123	75.53	75.29	0.6544	92.00	106.45	181.74	1.3154	293.18	367.00	424.94	500.23	83.2	83.2	83.4	80.5	81.1	80.8	54.04	33.67	87.72	102.79	4.28	3.66	216.16	134.70	350.86	411.17	16.14	13.77	4.70
253	3753	50.03	250.15	251.05	0.2234	73.95	73.68	0.6545	92.40	106.60	180.28	1.3101	285.50	369.60	426.39	500.07	83.0	82.9	82.9	80.6	81.0	81.2	53.38	33.73	87.11	102.09	5.29	4.51	213.52	134.94	348.45	408.34	21.15	18.05	4.58
254	3754	50.03	250.15	250.85	0.3252	77.29	77.07	0.6544	93.00	107.28	184.36	1.3144	299.00	374.00	430.84	507.91	83.0	83.5	83.0	81.2	81.3	80.6	53.89	33.77	87.66	102.73	5.34	4.56	215.57	135.07	350.64	410.90	23.36	19.94	4.79
255	3755	49.90	249.50	250.50	0.2373	73.85	73.55	0.6553	92.20	106.66	180.21	1.3160	293.92	370.80	428.33	501.89	83.1	83.2	83.1	81.5	81.5	80.6	54.00	33.83	87.84	102.93	4.36	3.72	216.01	135.33	351.35	411.73	19.45	16.60	4.71
256	3756	50.02	250.10	250.80	0.3301	75.87	75.48	0.6544	93.80	108.00	183.46	1.3145	289.22	374.20	431.16	506.62	83.0	83.5	83.0	81.2	81.6	81.3	53.88	33.90	87.78	102.87	6.02	5.14	215.52	135.60	351.12	411.47	23.08	19.69	4.63
257	3757	50.05	250.25	251.15	0.2918	77.54	77.26	0.6542	92.30	106.67	183.93	1.3143	287.15	367.20	424.97	502.23	83.1	83.6	82.8	80.8	81.2	80.5	53.92	33.69	87.61	102.67	4.69	4.00	215.69	134.75	350.44	410.67	16.76	14.30	4.60
258	3758	49.98	249.90	250.90	0.3191	76.34	76.03	0.6545	92.90	107.24	183.28	1.3155	286.14	370.60	428.12	504.16	83.3	82.9	83.3	81.4	81.0	81.2	53.97	33.84	87.80	102.89	5.10	4.35	215.87	135.34	351.21	411.58	19.39	16.55	4.59
259	3759	49.99	249.95	250.95	0.3163	75.51	75.21	0.6555	93.30	107.73	182.94	1.3154	297.24	371.20	429.20	504.41	83.7	83.5	83.8	81.5	81.5	81.5	54.30	33.95	88.25	103.42	5.05	4.31	217.19	135.80	353.00	413.67	18.20	15.53	4.76
260	3760	50.05	250.25	251.15	0.3105	73.86	73.59	0.6540	93.10	107.41	181.01	1.3143	286.40	373.40	430.50	504.10	83.6	83.6	83.7	80.7	80.8	80.7	54.16	33.63	87.80	102.89	5.30	4.52	216.66	134.54	351.20	411.56	22.20	18.95	4.59
261	3761	49.81	249.05	249.75	0.2320	75.52	75.31	0.6550	92.30	106.75	182.05	1.3199	292.53	371.20	428.69	504.00	82.7	82.9	83.0	80.9	80.8	81.0	54.13	33.71	87.85	102.95	4.45	3.80	216.54	134.85	351.39	411.78	19.81	16.91	4.69
262	3762	50.03	250.15	250.85	0.3312	77.93	77.71	0.6550	92.10	106.54	184.25	1.3142	287.82	367.40	425.30	503.01	83.6	83.5	82.9	81.5	80.7	80.9	53.97	33.77	87.73	102.81	4.37	3.73	215.86	135.06	350.92	411.24	16.48	14.08	4.61
263	3763	50.06	250.30	251.20	0.2167	76.90	76.62	0.6559	92.70	107.01	183.63	1.3147	285.78	370.80	428.04	504.67	83.0	83.2	83.8	80.8	80.6	80.5	54.01	33.60	87.61	102.67	5.09	4.34	216.05	134.38	350.44	410.67	20.36	17.38	4.58
264	3764	50.08	250.40	251.10	0.3253	77.00	76.78	0.6559	92.80	107.14	183.92	1.3159	295.29	370.20	427.69	504.47	83.1	83.0	83.0	81.1	80.9	81.5	53.91	33.82	87.73	102.81	5.07	4.32	215.65	135.28	350.93	411.25	19.27	16.44	4.73
265	3765	49.99	249.95	250.85	0.2391	77.17	76.89	0.6559	92.00	106.37	183.26	1.3139	287.48	366.00	423.77	500.66	82.8	83.1	82.8	81.0	81.0	81.4	53.66	33.81	87.47	102.51	4.53	3.86	214.64	135.25	349.88	410.02	18.12	15.75	4.61
266	3766	49.88	249.40	250.30	0.2894	77.62	77.34	0.6542	92.60	106.93	184.27	1.3158	290.01	368.40	426.03	503.37	82.9	83.5	82.9	80.7	81.0	80.8	53.95	33.69	87.64	102.70	4.96	4.23	215.78	134.77	350.55	410.80	17.85	15.23	4.69
267	3767	50.02	250.10	251.10	0.2111	74.87	74.57	0.6559	93.60	107.84	182.42	1.3200	298.07	373.40	430.52	505.10	82.8	82.9	83.3	80.7	80.6	80.5	54.24	33.58	87.81	102.91	5.79	4.94	216.95	134.31	351.26	411.63	22.14	18.90	4.77
268	3768	50.03	250.15	250.85	0.2664	73.56	73.37	0.6559	92.90	107.35	180.73	1.3189	293.60	371.60	429.41	502.79	83.6	83.2	83.2	81.4	81.4	80.5	54.35	33.80	88.15	103.30	4.75	4.05	217.38	135.21	352.60	413.20	19.00	16.22	4.70
269	3769	50.06	250.30	251.30	0.2939	74.04	73.74	0.6555	93.90	107.93	181.66	1.3119	292.25	375.60	431.72	505.47	83.4	82.7	83.2	80.6	80.6	81.1	53.83	33.65	87.28	102.28	6.62	5.65	214.52	134.60	349.13	409.14	26.47	22.59	4.68
270	3770	49.98	249.90	250.90	0.2214	76.51	76.20	0.6542	92.80	107.19	183.39	1.3159	293.89	373.20	430.45	506.65	83.6	83.2	83.1	81.0	81.4	80.9	54.09	33.80	87.89	102.99	4.91	4.19	216.36	135.19	351.56	411.98	21.84	18.47	4.71
271	3771	50.08	250.40	251.20	0.2137	76.33	76.09	0.6560	92.30	106.80	182.89	1.3189	288.80	371.20	428.91	504.99	83.3	83.7	82.8	81.1	81.0	80.6	54.32	33.70	88.02	103.15	4.28	3.65	217.29	134.79	352.08	412.59	19.12	16.32	4.60
272	3772	49.88	249.40	250.40	0.2438	77.20	76.89	0.6553	92.80	107.05	183.94	1.3121	296.99	369.20	426.49	503.38	83.0	83.2	83.5	80.8	80.8	81.3	53.72	33.74	87.46	102.49	5.34	4.56	214.89	134.94	349.83	409.96	19.37	16.53	4.75
273	3773	50.01	250.05	250.85	0.2817	76.03	75.79	0.6553	92.40	106.84	182.62	1.3176	297.82	369.60	427.34	503.13	82.9	83.2	82.9	81.6	80.6	81.5	54.03	33.83	87.86	102.96	4.54	3.87	216.11	135.33	351.45	411.85	18.15	15.49	4.77
274	3774	49.87	249.35	250.15	0.2393	75.41	75.17	0.6553	92.20	106.58	181.75	1.3109	291.85	368.80	426.32	501.49	83.6	83.3	83.6	81.3	81.3	80.7	53.82	33.78	87.60	102.65	4.80	3.93	215.26	135.13	350.39	410.61	18.41	15.71	4.67
275	3775	50.10	250.50	251.20	0.2818	73.95	73.74	0.6541	92.40	106.74	180.48	1.3120	297.70	371.60	428.66	502.40	83.6	83.5	82.7	80.8	81.1	81.4	53.76	33.80	87.56	102.61	4.84	4.13	215.04	135.19	350.23	410.42	21.37	18.24	4.77

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test)
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL - INSPECTION** — Date of Inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF **25** KVA , LEVEL-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	R008 0120 1020 17	No Load Loss						Load Loss at 50 % Load at (0.656 A)				Load Loss at 100 % Load at (1.31 A)					WINDING RESISTANCE TEST at 32 °C						I²R Loss at 50 %				Stray Loss at 50 %		I²R Loss at 100 %				Stray Loss at 100 %		% of Z at
		Frequency	V (Mean)	V (RMS)	I at 100 %	Measured Loss	Corrected Loss	Applied Current	Measured Loss	Loss	Total Loss	Applied Curren	Imp. Volt	Measured Loss	Losses	Total Loss	HV (In ohm)			LV (In millohm)			HV	LV	Total	Total at 75 °C	32	75	HV	LV	Total	Total at 75 °C	32	75
		Hz	Volt	Volt	Amp	Watt	Watt		32 °C	75 °C	75 °C		Volt	32 °C	75 °C	75 °C	1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2w-2u	32 °C				°C	°C	32 °C				°C	°C	75°
Guaranteed Values		50.00									190					635																		
276	3776	50.08	250.40	251.40	0.2884	74.74	74.44	0.6540	92.20	106.28	180.72	1.3149	288.06	366.80	423.40	497.84	83.3	82.9	83.6	81.4	81.2	81.4	53.98	33.88	87.86	102.56	4.34	3.72	215.91	135.54	351.45	410.25	15.35	13.15	4.61
277	3777	49.90	249.50	250.20	0.2660	75.93	75.72	0.6545	92.50	106.44	182.16	1.3118	288.28	369.00	424.90	500.62	83.4	83.3	83.1	80.9	80.9	81.6	53.75	33.80	87.55	102.20	4.95	4.24	215.02	135.18	350.20	408.79	18.80	16.11	4.62
278	3778	50.06	250.30	251.00	0.3048	77.16	76.94	0.6544	93.10	107.11	184.05	1.3173	294.49	371.40	427.57	504.52	83.5	82.7	83.7	81.4	81.5	80.8	54.21	33.84	88.05	102.78	5.05	4.33	216.82	135.37	352.19	411.12	19.21	16.46	4.71
279	3779	49.85	249.25	249.95	0.2656	74.20	73.99	0.6544	93.20	107.22	181.21	1.3194	294.49	370.80	427.15	501.15	83.5	83.1	82.9	80.6	81.6	81.5	54.28	33.85	88.12	102.87	5.08	4.35	217.11	135.38	352.50	411.48	18.30	15.68	4.71
280	3780	49.84	249.20	249.90	0.2617	75.59	75.38	0.6545	93.30	107.04	182.42	1.3131	293.01	371.20	426.46	501.84	82.8	83.4	82.8	80.9	80.6	80.6	53.66	33.63	87.29	101.90	6.01	5.15	214.66	134.50	349.16	407.58	22.04	18.88	4.69
281	3781	50.02	250.10	251.10	0.2767	77.75	77.44	0.6556	93.90	107.59	185.03	1.3110	285.94	373.60	428.65	506.09	83.0	83.8	82.7	81.4	80.5	81.4	53.60	33.80	87.40	102.02	6.50	5.57	214.40	135.18	349.58	408.06	24.02	20.57	4.58
282	3782	50.07	250.35	251.15	0.2475	75.89	75.65	0.6541	91.50	105.60	181.25	1.3134	296.73	368.00	424.13	499.78	83.2	83.3	83.1	81.4	80.7	81.3	53.80	33.82	87.62	102.28	3.88	3.32	215.20	135.28	350.49	409.13	17.51	15.00	4.75
283	3783	49.97	249.85	250.85	0.2820	74.99	74.69	0.6549	93.30	107.27	181.96	1.3196	286.03	373.20	429.07	503.76	83.0	82.9	83.7	80.8	80.6	81.1	54.34	33.67	88.01	102.74	5.29	4.53	217.35	134.70	352.05	410.95	21.15	18.12	4.56
284	3784	50.00	250.00	250.80	0.2163	73.75	73.51	0.6551	93.80	107.51	181.02	1.3154	286.47	377.20	431.76	506.27	82.7	83.1	82.9	80.6	80.6	80.6	53.80	33.62	87.42	102.04	6.38	5.47	215.19	134.47	349.66	408.16	27.54	23.59	4.59
285	3785	49.97	249.85	250.65	0.2514	73.72	73.48	0.6555	93.50	107.47	180.95	1.3153	288.89	372.00	428.15	501.63	83.5	83.6	83.3	81.5	81.6	81.2	54.16	33.93	88.10	102.84	5.40	4.63	216.66	135.73	352.39	411.35	19.61	16.80	4.63
286	3786	49.81	249.05	249.95	0.2564	74.25	73.98	0.6549	93.70	107.45	181.44	1.3105	297.34	375.80	430.67	504.66	83.6	83.6	83.7	80.9	80.7	80.8	53.85	33.66	87.51	102.15	6.19	5.30	215.40	134.64	350.04	408.80	25.76	22.07	4.76
287	3787	49.98	249.90	250.60	0.2442	77.01	76.79	0.6542	92.40	106.32	183.12	1.3117	287.04	370.60	426.16	502.95	83.8	83.4	83.0	80.7	81.0	80.6	53.80	33.66	87.46	102.09	4.94	4.23	215.21	134.63	349.83	408.37	20.77	17.79	4.60
288	3788	49.86	249.30	250.10	0.3016	75.64	75.40	0.6558	92.50	106.65	182.04	1.3189	287.14	372.00	428.30	503.70	83.3	83.5	83.5	80.6	81.4	81.3	54.42	33.79	88.22	102.98	4.28	3.67	217.70	135.17	352.87	411.91	19.13	16.39	4.60
289	3789	50.00	250.00	250.80	0.2406	74.79	74.55	0.6548	91.80	105.96	180.51	1.3176	289.40	368.20	424.70	499.25	83.4	82.9	83.4	80.5	81.4	81.2	54.17	33.77	87.94	102.66	3.86	3.31	216.70	135.07	351.77	410.62	16.43	14.08	4.64
290	3790	50.10	250.50	251.50	0.2562	75.26	74.96	0.6558	91.90	105.93	180.89	1.3148	292.57	369.60	425.44	500.40	83.2	83.0	83.2	81.1	81.0	80.5	53.87	33.70	87.57	102.22	4.33	3.71	215.49	134.80	350.29	408.90	19.31	16.54	4.68
291	3791	49.88	249.40	250.20	0.2470	76.69	76.44	0.6541	91.60	105.81	182.26	1.3176	295.17	366.40	423.26	499.70	83.5	83.3	83.7	81.0	80.7	80.9	54.34	33.69	88.02	102.75	3.58	3.06	217.35	134.74	352.09	411.00	14.31	12.26	4.72
292	3792	49.85	249.25	250.05	0.2857	74.95	74.71	0.6549	93.00	106.94	181.65	1.3156	298.30	371.00	426.91	501.62	83.5	83.2	82.9	81.0	81.4	80.8	54.01	33.78	87.79	102.48	5.21	4.46	216.09	135.10	351.18	409.92	19.84	17.00	4.77
293	3793	49.99	249.95	250.85	0.2472	73.86	73.59	0.6549	93.60	107.40	180.99	1.3154	284.75	373.40	428.72	502.32	82.9	83.3	82.8	80.9	81.3	80.7	53.84	33.76	87.60	102.25	6.00	5.14	215.36	135.02	350.38	409.00	23.02	19.72	4.56
294	3794	49.93	249.65	250.45	0.2344	75.17	74.93	0.6560	91.50	105.77	180.70	1.3191	298.50	365.00	422.21	497.14	83.7	82.9	83.2	80.9	81.4	81.1	54.32	33.82	88.14	102.89	3.36	2.88	217.29	135.28	352.57	411.56	12.43	10.65	4.78
295	3795	49.92	249.60	250.30	0.2205	74.16	73.95	0.6549	92.50	106.59	180.54	1.3150	292.87	369.00	425.51	499.47	83.5	83.4	83.8	81.0	81.4	81.4	54.18	33.86	88.04	102.78	4.46	3.82	216.72	135.45	352.18	411.10	16.82	14.41	4.69
296	3796	50.06	250.30	251.30	0.2323	77.08	76.77	0.6553	92.10	106.08	182.85	1.3101	289.11	370.40	426.02	502.79	83.3	83.0	83.8	81.4	81.3	80.8	53.65	33.83	87.48	102.12	4.62	3.95	214.61	135.32	349.94	408.48	20.46	17.53	4.83
297	3797	50.10	250.50	251.30	0.3161	77.93	77.68	0.6560	93.40	107.21	184.89	1.3175	285.22	374.60	429.70	507.38	82.9	82.9	82.8	80.6	80.7	80.8	53.93	33.82	87.55	102.20	5.85	5.01	215.73	134.48	350.21	408.81	24.39	20.89	4.57
298	3798	50.06	250.30	251.20	0.2901	77.11	76.83	0.6553	92.70	106.55	183.38	1.3102	295.07	368.80	424.47	501.31	83.2	83.5	83.0	80.9	81.5	80.6	53.58	33.76	87.35	101.96	5.35	4.59	214.34	135.04	349.38	407.84	19.42	16.64	4.72
299	3799	49.81	249.05	249.85	0.2336	74.30	74.06	0.6560	93.20	107.10	181.16	1.3157	288.13	372.80	428.41	502.48	83.8	83.7	82.8	80.6	80.5	81.1	54.11	33.65	87.76	102.44	5.44	4.66	216.45	134.58	351.04	409.77	21.76	18.65	4.62
300	3800	49.92	249.60	250.50	0.3226	78.56	78.28	0.6558	92.00	106.01	182.30	1.3136	292.57	368.00	424.06	500.34	83.7	83.2	83.0	80.8	81.0	80.5	53.90	33.66	87.56	102.21	4.44	3.80	215.81	134.84	350.25	408.85	17.75	15.21	4.66

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

R K Industries, Bareilly — **FINAL INSPECTION** — Date of inspection : 29.03.2018 to 31.03.2018

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS OF

25 KVA , Level-II, AGAINST L.O.I. no. 1563/SE(MM) MVVNL/ MEDCO /2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST at 29 °C			NO LOAD CURRENT & LOSSES												TURN RATIO				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.
						At 90 %						At 110 %						1U-1V/ 2U-2N	1V-1W/ 2V-2N	1W-1U/ 2W-2N	Phase Sequence	HV 28 KV for 60 Sec.	LV 3 KV for for 60 Sec.	
			Lv/E	Hv/E	Hv/Lv	Frequency Hz	V (Mean) Volt	V (RMS) Volt	I Amp	Measured Loss Watt	Corrected Loss Watt	Frequency Hz	V (Mean) Volt	V (RMS) Volt	I Amp	Measured Loss Watt	Corrected Loss Watt							
Guaranteed Values																		43.78 to 44.22						
1	25	R0050120402017 3503	>2000	>2000	>2000	50.06	225.3	226.0	0.1312	58.97	58.79	50.02	275.1	276.0	0.54	115.5	115.2	44.13	43.94	44.00	OK	OK	OK	OK
2	25	R0050120402017 3516	>2000	>2000	>2000	50.04	225.2	225.9	0.1464	61.44	61.25	50.06	275.3	276.3	0.48	114.1	113.7	44.11	44.11	43.98	OK	OK	OK	OK
3	25	R0050120402017 3527	>2000	>2000	>2000	50.02	225.1	225.8	0.1839	59.66	59.47	49.98	274.9	275.6	0.62	110.6	110.3	44.12	44.03	44.13	OK	OK	OK	OK
4	25	R0050120402017 3537	>2000	>2000	>2000	50.05	225.2	226.1	0.1304	59.69	59.45	50.09	275.5	276.5	0.46	114.2	113.8	43.97	44.07	44.10	OK	OK	OK	OK
5	25	R0050120402017 3547	>2000	>2000	>2000	49.91	224.6	225.4	0.1886	60.14	59.93	49.95	274.7	275.5	0.57	112.5	112.1	43.91	44.09	44.10	OK	OK	OK	OK
6	25	R0050120402017 3552	>2000	>2000	>2000	49.80	224.1	224.8	0.1889	59.33	59.14	49.86	274.2	275.2	0.50	111.9	111.5	44.12	44.04	44.07	OK	OK	OK	OK
7	25	R0050120402017 3561	>2000	>2000	>2000	49.90	224.6	225.4	0.1586	61.41	61.19	50.02	275.1	275.9	0.56	111.8	111.5	44.08	43.98	44.15	OK	OK	OK	OK
8	25	R0050120402017 3576	>2000	>2000	>2000	49.98	224.9	225.7	0.1736	60.99	60.77	50.10	275.6	276.6	0.51	112.9	112.5	44.03	43.92	43.98	OK	OK	OK	OK
9	25	R0050120402017 3583	>2000	>2000	>2000	50.08	225.4	226.4	0.1778	59.96	59.69	49.83	274.1	275.1	0.64	113.8	113.4	44.00	44.14	44.07	OK	OK	OK	OK
10	25	R0050120402017 3597	>2000	>2000	>2000	49.89	224.5	225.4	0.1990	60.21	59.97	49.92	274.6	275.3	0.51	112.9	112.6	44.05	44.05	44.04	OK	OK	OK	OK
11	25	R0050120402017 3610	>2000	>2000	>2000	50.08	225.4	226.1	0.1820	61.57	61.38	49.81	274.0	274.9	0.47	114.3	113.9	44.14	44.01	44.07	OK	OK	OK	OK
12	25	R0050120402017 3618	>2000	>2000	>2000	50.08	225.4	226.1	0.1966	62.11	61.92	49.96	274.8	275.8	0.57	115.6	115.2	43.95	43.98	44.01	OK	OK	OK	OK
13	25	R0050120402017 3624	>2000	>2000	>2000	49.85	224.3	225.1	0.1805	60.94	60.72	49.90	274.5	275.5	0.63	115.9	115.5	43.93	44.11	44.05	OK	OK	OK	OK
14	25	R0050120402017 3634	>2000	>2000	>2000	49.98	224.9	225.9	0.1503	58.90	58.64	49.99	274.9	275.6	0.50	114.4	114.1	43.93	44.10	44.00	OK	OK	OK	OK
15	25	R0050120402017 3649	>2000	>2000	>2000	49.86	224.4	225.1	0.1807	61.40	61.21	50.02	275.1	276.0	0.57	111.6	111.2	43.93	43.93	44.13	OK	OK	OK	OK
16	25	R0050120402017 3657	>2000	>2000	>2000	49.81	224.1	225.0	0.1324	62.27	62.02	50.04	275.2	275.9	0.43	113.1	112.8	44.00	44.06	43.91	OK	OK	OK	OK
17	25	R0050120402017 3665	>2000	>2000	>2000	50.06	225.3	226.3	0.1736	61.92	61.65	49.90	274.5	275.2	0.51	113.4	113.1	44.00	44.09	44.08	OK	OK	OK	OK
18	25	R0050120402017 3679	>2000	>2000	>2000	50.02	225.1	225.9	0.1514	60.39	60.18	49.82	274.0	274.9	0.64	112.0	111.6	44.08	43.95	44.09	OK	OK	OK	OK
19	25	R0050120402017 3688	>2000	>2000	>2000	50.01	225.0	225.7	0.1833	60.91	60.72	50.10	275.6	276.6	0.64	111.1	110.7	43.94	43.92	44.00	OK	OK	OK	OK
20	25	R0050120402017 3695	>2000	>2000	>2000	49.80	224.1	224.9	0.1431	61.86	61.64	50.09	275.5	276.4	0.64	111.6	111.3	43.93	44.05	44.02	OK	OK	OK	OK
21	25	R0050120402017 3706	>2000	>2000	>2000	49.85	224.3	225.2	0.1432	61.23	60.98	50.06	275.3	276.2	0.65	111.6	111.2	44.04	44.15	44.13	OK	OK	OK	OK
22	25	R0050120402017 3716	>2000	>2000	>2000	49.92	224.6	225.6	0.1780	60.21	59.94	49.89	274.4	275.3	0.65	113.1	112.7	43.93	44.06	43.94	OK	OK	OK	OK
23	25	R0050120402017 3725	>2000	>2000	>2000	49.81	224.1	225.0	0.2007	61.63	61.38	49.81	274.0	275.0	0.62	112.4	112.0	43.99	44.08	44.01	OK	OK	OK	OK
24	25	R0050120402017 3731	>2000	>2000	>2000	49.97	224.9	225.9	0.1564	62.13	61.85	50.07	275.4	276.3	0.62	113.5	113.2	44.03	44.15	44.14	OK	OK	OK	OK
25	25	R0050120402017 3746	>2000	>2000	>2000	49.86	224.4	225.3	0.1863	60.39	60.15	49.84	274.1	274.9	0.48	115.3	115.0	43.99	44.10	44.15	OK	OK	OK	OK
26	25	R0050120402017 3751	>2000	>2000	>2000	50.04	225.2	225.9	0.1565	59.90	59.71	49.80	273.9	274.7	0.53	111.6	111.2	44.06	44.05	44.14	OK	OK	OK	OK
27	25	R0050120402017 3762	>2000	>2000	>2000	50.07	225.3	226.2	0.1264	59.84	59.60	49.80	273.9	274.7	0.64	113.5	113.1	44.07	44.09	43.96	OK	OK	OK	OK
28	25	R0050120402017 3779	>2000	>2000	>2000	50.08	225.4	226.2	0.1984	60.58	60.36	49.91	274.5	275.2	0.51	114.5	114.2	44.02	44.13	43.96	OK	OK	OK	OK
29	25	R0050120402017 3789	>2000	>2000	>2000	49.95	224.8	225.8	0.1443	59.98	59.71	49.91	274.5	275.4	0.62	114.5	114.1	44.02	44.08	43.98	OK	OK	OK	OK
30	25	R0050120402017 3796	>2000	>2000	>2000	49.93	224.7	225.4	0.1372	62.32	62.13	49.86	274.2	275.0	0.67	113.9	113.6	43.94	43.98	43.98	OK	OK	OK	OK

Note : The following tests have been conducted on above transformers :

UNBALANCING CURRENT : Checked and found less than 1 % of full load current.

OIL LEAKAGE TEST : Conducted and found O.K.

VECTOR GROUP (Dyn-11) TEST : Conducted as per specification and found Dy_n-11

For R K Industries, Bareilly

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

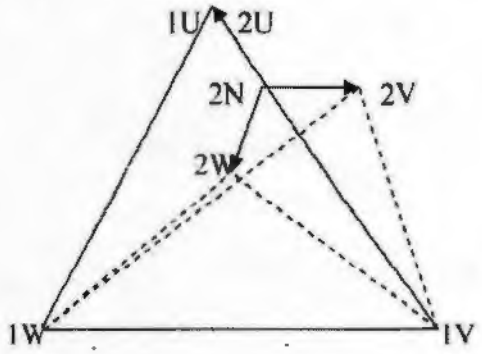
Er. Hiren Chokshi
Inspecting Officer,
ERDA, Vadodara

M/s R K INDDUSTRIES
(A UNIT OF SR CHADDHA INDUSTRIES LTD.)
VECTOR GROUP TEST (PHASE RELATIONSHIP)

25 KVA, 11/0.433 KV Unique no. of transformer:- R005012040201703610

Vector Group Test (Dyn 11):- Applied about 400Volts, 3 Phase,

1. 50 Hz Supply on



Primary winding when 1U shorted with 2U and following voltages are measured.

1U-1V	403	1V-1W	405	1W-1U	403
1U-2N	7	1V-2N	399	1V-2W	402
1V-2V	402	1W-2W	395	1W-2V	405

Since i) 1V-2W = 1V-2V , ii) 1U-2N + 1V-2N = 1U-1V & iii) 1W-2W< 1W-2V
Hence Vector Group Dyn 11 is conformed.

2. **Magnetic Balance Test:-** About 250 volts applied on LV side while HV winding is open

Applied Voltage	Measured Voltage		
	2U-2N	2V-2N	2W-2N
2U-2N	251	180	70
2V-2N	124	250	126
2W-2N	71	179	251

3. Unbalance current test on above transformer measured 880 mA i.e. less than 2% of full load of LV current
4. Oil leakage test conducted & no Leakage has been found.

Tested By:-

For R K Inddustries

Testing Engineer

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly.

Witnessed By:-

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

(A) **POINTS OF BE SEEN / DIMENSIONS TO BE NOTED AT THE TIME OF DISMANTLING OF TRANSFORMERS :**

Sl. No.	PARTICULARS	As per App. GTP	OBSERVATIONS
1	Details of the transformer dismantled for physical verfication (a) Rating (KVA) (b) Sl. No.		**25 KVA** **R00501204020173760**
2	Whether GI Nut Bolts with one spring one plain washer provided for tightening the tank cover.	Yes	Yes
3	Details of gasket used between top cover and tank Material : (i) Thickness (mm) (ii) Type of joints	 6 mm Dovetail	 6 mm Dovetail
4	Whether core is earthed properly with copper strip (one end should be tightened in batween the core laminations and oterh end bolted on core clamping channel)	Yes	Yes
5	Connections from winding to bushings (describe the manner in which it has been done) (a) HV (b) LV (c) Formation of Star connection on LV side.	 Copper wire Aluminium strip with aluminium lugs Aluminium strip with aluminium brazing	 Copper wire Aluminium strip with aluminium lugs Aluminium strip with aluminium brazing
6	Winding wire dia and cross sectional area : (a) HV (i) Dia (mm) (ii) Area (sq mm) (b) LV (i) L x W x Nos. of conductor (ii) Area (sq mm) (Gross)	 1.06 0.8824 8.7 x 4.6 mm x 1 40.02	 1.06 0.8824 8.72 x 4.61 mm x 1 40.199
7	Thickness of press board (s) provided between HV coils to cover the tie rods	1.5 mm x 2	1.5 mm x 2
8	Whether painted with oil and corrosion resistant paint /varnish (a) Inside of the tank (b) Inside of the conservation tank (c) Core clamping and core base channels (d) Tie rods (e) Core bolts	 Yes N.A. Yes Yes Yes	 Yes, Yellow zinc chromate N.A. Yes, Yellow zinc chromate Yes, Yellow zinc chromate Yes, (G.I. Paint)
9	Whether tie rods and core blots insulated, if yes, material of insulation.	Yes/SRBP	Yes, Tie rod-Glass sleeves Core bolt - SRBP Tube
10	Method of joints (a) Between HV Coils (b) Between tap coils (c) For tap changer	 Crimping N.A. N.A.	 Crimping with inline connector N.A. N.A.
11	Whether Engraving of Sl.No and name of firm done on channal of core coil assembly.	Yes	Yes, Provided on Top Channel

Test Conducted by:-

For R K Inddustries

(Testing Engineer)

Witnessed by:-

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

13	Diameter of copper wire,used for formation of delta (should not be less then 1.5 time the dia of conductor).(mm)	Yes	1.72 mm (Copper Wire)
14	Whether empire sleeves provided upto the end prior of HV winding joining to bushing	Yes	Yes
15	HV Coil : (a) Inner dia (mm) (b) Outer dia (mm)	 145 220	 145 220
16	LV coils : (a) Inner dia (mm) (b) Outer dia (mm)	 88 129	 88 129
17	Core Dia	82 mm	82 mm
18	Core Height including base channel & insulation in between(mm)	----------	549 mm
19	a) Leg centre of core b) Window Height	228 mm 375 mm	228 mm 375 mm
20	Clearances between (a) Core and LV (Radial) mm (b) HV and LV (Radial) mm (c) Phase to phase of HV Coils (Radial) mm (d) Core Coil assembly and tank Body (mm) (i) Length wise (ii) Width-wise (e) Top yoke and top cover (mm)	 3 mm 8 mm 8 mm 25 mm 25 mm 95 mm	 3 mm 8 mm 8 mm Above 25 mm Above 25 mm More than 95 mm
21	Weight of core only (Kg)	74 Kg	81.55 Kg (Oil Soaked)
22	Weight of windings (kg) (Per Leg) (a) LV (b) HV	 4.3 (oil soaked) 8.4 (oil soaked)	 5.5 (oil soaked) 10.2 (oil soaked)
23	Whether core laminations are in one piece,used for (a) Bottom Yoke (b) Top Yoke	 In one piece In one piece	 In one piece In one piece
24	Specific remark regarding smoothness and rusting of core used.	Smooth & Rust free	Smooth & Rust free
25	Volume of oil fitted (to be done once against the order) (a) in conservator tank (b) in tank of transformer (Drainout)	 N.A. --------	 N.A. 105 Ltr.(Approx)
26	a) Weight of transformer (inclusive of all fittings accessories oil etc. complete)	294 Kgs.	332.7 Kgs.
	b) Weight of Tank & Fitting	85 Kg	96.2 Kg
	c) Core Coil Assembly Weight	135 Kg	150.8 Kg (Oil Soaked)
	d) Paint Thickness	------	Found O.K.
27	Inner dimension of the tank (a) Length (b) Width (c) Height (i) HV Side (ii) LV Side	 726 285 775 785	 730 287 777 790
28	Oil BDV Test	Above 60 KV	73.33 KV (Avg. Of 6 Readings)
29	Remarks if Any		

Test Conducted by:-

Test Witnessed by:-

For R K Inddustries

(Testing Engineer)

Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

Er. Hiren Chokshi,
Inspecting Officer,
ERDA, Vadodara

M/s R K INDDUSTRIES

(A Unit of S R Chaddha Industries Ltd.)
Swaley Nagar,Rampur Road
BAREILLY

Core Area, Flux density Calculations

Capacity	**25 KVA, 11/0.433 KV, Alu. Wound (Level-2) Distribution transformers**
Voltage Ratio	**11000/433 volts**
Customer	**MVVNL, Lucknow**

R00501204020173760

Core Area:

	Width (mm)	Stack (mm)	Area (sq. mm)
1	80	18.59	1487.2
2	75	15.44	1158
3	70	9.87	690.9
4	65	7.68	499.2
5	60	5.02	301.2
6	50	9.14	457
7	40	6.61	264.4
8	30	5.11	153.3
			5011.20

	Total Area		5011.20 Sq. mm
	Stacking Factor		0.97
	Net Area		4860.86 Sq. mm
	Flux density		
a	LV Voltage(Ph)		250 Volts
b	No. of LV Turns		152
c	Volts per turn	b/a	1.64
d	frequency		50 Hzs
e	Core Area		4860.86 Sq. mm
f	Flux density	$c/4.4/d/e/10^{-6}$	1.524 Tesla

Test Conducted by:

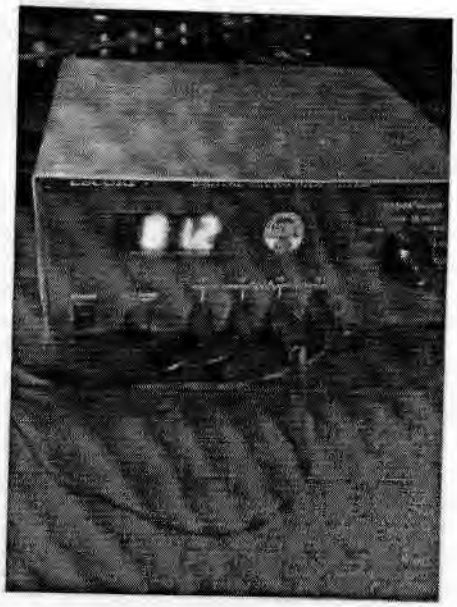
For R K Inddustries,

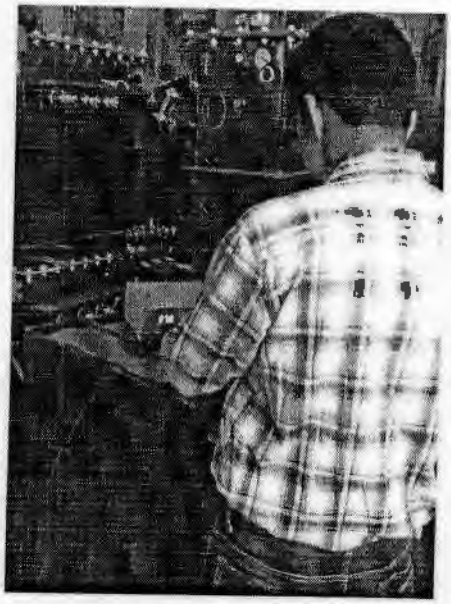
Testing Engineer

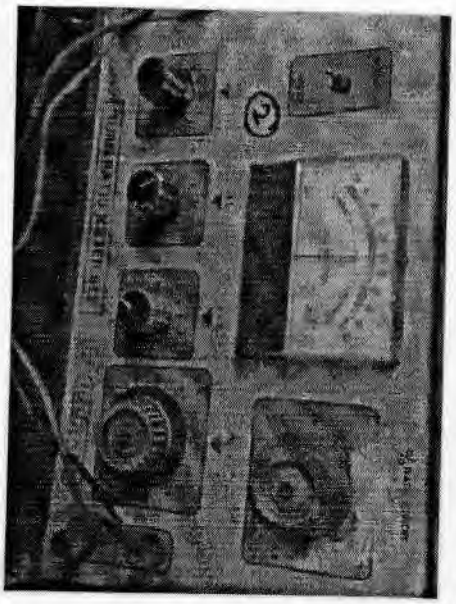
Test Witnessed by:-

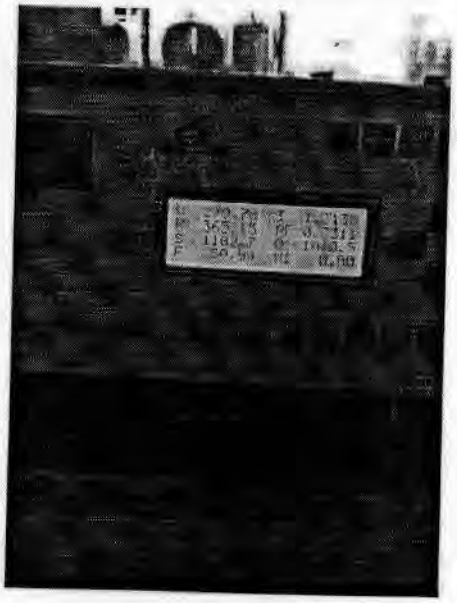
Er. Virendra Kumar,
EE (Test),
MVVNL, Bareilly

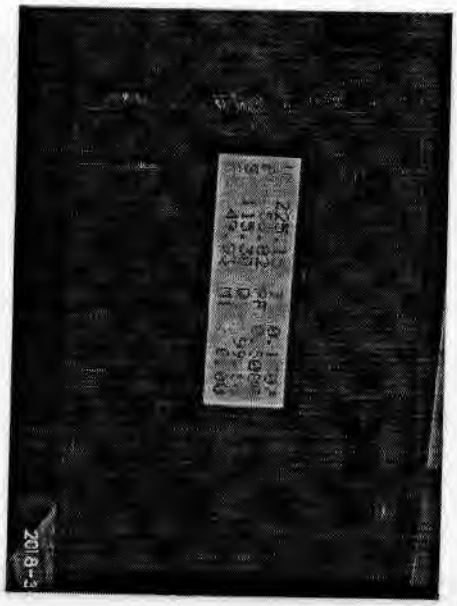
Er. Hiren Chokshi,
Inspecting Officer,
ERDA









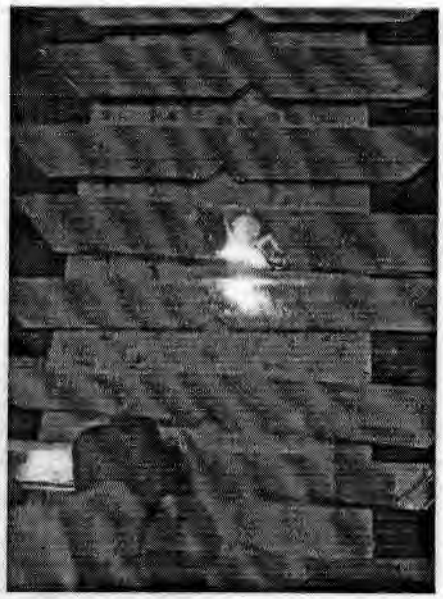


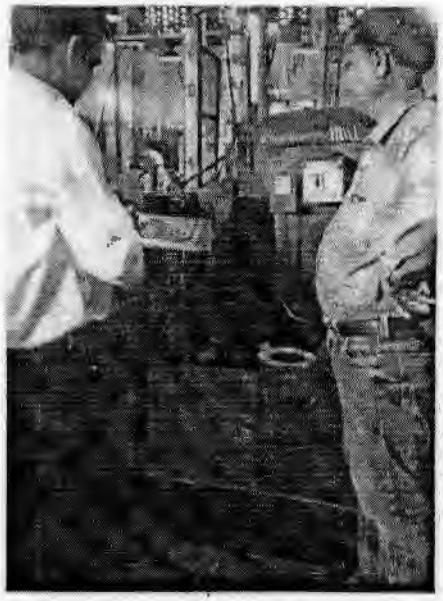

880
2040, 25kva, HV

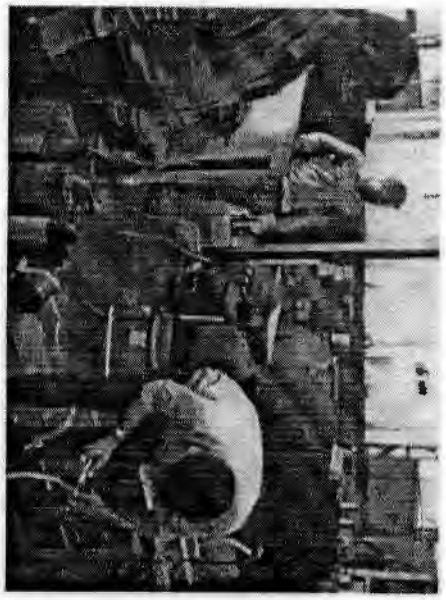

212


2018-3


2040, ratio
TURN RATIO METER






R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Am		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	30 °C	75 °C	75 °c	Imp. Volt	30 °C	75 °C	75 °c	75 °C
1	25	R0050120402017 3501	0.24	73.8	92.9	109.3	183.1	287.9	371.6	437.2	511.0	4.63
2	25	R0050120402017 3502	0.32	76.2	90.9	106.9	183.1	286.6	363.6	427.8	504.0	4.60
3	25	R0050120402017 3503	0.31	72.2	90.7	106.7	178.9	284.2	362.8	426.8	499.0	4.57
4	25	R0050120402017 3504	0.27	77.5	91.9	108.1	185.6	288.7	367.6	432.5	510.0	4.64
5	25	R0050120402017 3505	0.24	72.3	92.6	108.9	181.2	294.8	370.4	435.8	508.1	4.73
6	25	R0050120402017 3506	0.28	77.9	91.3	107.4	185.3	294.9	365.2	429.6	507.5	4.73
7	25	R0050120402017 3507	0.31	75.8	90.6	106.6	182.4	288.7	362.4	426.4	502.2	4.63
8	25	R0050120402017 3508	0.22	74.3	92.7	109.1	183.4	284.4	370.8	436.2	510.5	4.57
9	25	R0050120402017 3509	0.34	76.2	92.0	108.2	184.4	288.4	368.0	432.9	509.1	4.63
10	25	R0050120402017 3510	0.30	72.8	91.3	107.4	180.2	294.6	365.2	429.6	502.4	4.73
11	25	R0050120402017 3511	0.26	72.5	92.6	108.9	181.4	287.5	370.4	435.8	508.3	4.62
12	25	R0050120402017 3512	0.23	77.3	90.5	106.5	183.8	292.3	362.0	425.9	503.2	4.69
13	25	R0050120402017 3513	0.27	74.4	91.7	107.9	182.3	291.5	366.8	431.5	505.9	4.66
14	25	R0050120402017 3514	0.28	77.4	93.0	109.4	186.8	289.8	372.0	437.6	515.0	4.66
15	25	R0050120402017 3515	0.30	78.0	91.9	108.1	186.1	289.9	367.6	432.5	510.5	4.66
16	25	R0050120402017 3516	0.22	75.0	91.3	107.4	182.4	287.5	365.2	429.6	504.6	4.62
17	25	R0050120402017 3517	0.29	75.4	92.8	109.2	184.6	290.9	371.2	436.7	512.1	4.67
18	25	R0050120402017 3518	0.22	77.2	91.5	107.6	184.8	285.9	366.0	430.6	507.8	4.59
19	25	R0050120402017 3519	0.34	72.0	92.5	108.8	180.8	285.4	370.0	435.3	507.3	4.59
20	25	R0050120402017 3520	0.32	74.1	91.1	107.2	181.3	288.8	364.4	428.7	502.8	4.64
21	25	R0050120402017 3521	0.26	72.7	91.4	107.5	180.2	286.6	365.6	430.1	502.8	4.60
22	25	R0050120402017 3522	0.22	75.1	92.0	108.2	183.3	293.5	368.0	432.9	508.0	4.71
23	25	R0050120402017 3523	0.34	73.3	92.6	108.9	182.2	290.1	370.4	435.8	509.1	4.66
24	25	R0050120402017 3524	0.23	74.2	92.2	108.5	182.7	284.0	368.8	433.9	508.1	4.56
25	25	R0050120402017 3525	0.31	74.6	91.6	107.8	182.4	290.0	366.4	431.1	505.7	4.66
26	25	R0050120402017 3526	0.30	75.2	90.6	106.6	181.8	292.0	362.4	426.4	501.6	4.69
27	25	R0050120402017 3527	0.29	77.7	92.9	109.3	187.0	288.2	371.6	437.2	514.9	4.63
28	25	R0050120402017 3528	0.32	75.9	91.7	107.9	183.8	287.6	366.8	431.5	507.4	4.62
29	25	R0050120402017 3529	0.27	72.3	91.1	107.2	179.5	285.4	364.4	428.7	501.0	4.58
30	25	R0050120402017 3530	0.25	73.9	93.0	109.4	183.3	289.0	372.0	437.6	511.5	4.64
31	25	R0050120402017 3531	0.22	74.4	91.3	107.4	181.8	293.0	365.2	429.6	504.0	4.70
32	25	R0050120402017 3532	0.24	76.9	92.8	109.2	186.1	288.6	371.2	436.7	513.6	4.64
33	25	R0050120402017 3533	0.27	75.9	91.6	107.8	183.7	293.2	366.4	431.1	507.0	4.71
34	25	R0050120402017 3534	0.23	75.1	90.5	106.5	181.6	285.8	362.0	425.9	501.0	4.59
35	25	R0050120402017 3535	0.26	77.0	90.6	106.6	183.6	292.9	362.4	426.4	503.4	4.70
36	25	R0050120402017 3536	0.22	74.9	92.6	108.9	183.8	294.5	370.4	435.8	510.7	4.73
37	25	R0050120402017 3537	0.23	72.9	92.5	108.8	181.7	289.0	370.0	435.3	508.2	4.64
38	25	R0050120402017 3538	0.26	77.2	92.7	109.1	186.3	284.5	370.8	436.2	513.4	4.57
39	25	R0050120402017 3539	0.24	72.5	92.1	108.4	180.9	284.8	368.4	433.4	505.9	4.58
40	25	R0050120402017 3540	0.29	75.5	90.7	106.7	182.2	287.6	362.8	426.8	502.3	4.62

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Am		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	30 °C	75 °C	75 °c	Imp. Volt	30 °C	75 °C	75 °c	75 ° C
41	25	R0050120402017 3541	0.30	75.6	90.6	106.6	182.2	294.7	362.4	426.4	502.0	4.73
42	25	R0050120402017 3542	0.26	77.5	91.3	107.4	184.9	286.5	365.2	429.6	507.1	4.63
43	25	R0050120402017 3543	0.22	75.0	91.4	107.5	182.5	291.3	365.6	430.1	505.1	4.68
44	25	R0050120402017 3544	0.25	76.5	91.0	107.1	183.6	286.7	364.0	428.2	504.7	4.60
45	25	R0050120402017 3545	0.27	74.2	91.2	107.3	181.5	290.1	364.8	429.2	503.4	4.66
46	25	R0050120402017 3546	0.23	73.6	91.2	107.3	180.9	287.0	364.8	429.2	502.8	4.61
47	25	R0050120402017 3547	0.29	78.0	92.3	108.6	186.6	292.8	369.2	434.4	512.4	4.70
48	25	R0050120402017 3548	0.32	77.1	91.9	108.1	185.2	293.2	367.6	432.5	509.6	4.71
49	25	R0050120402017 3549	0.23	76.3	92.3	108.6	184.9	285.9	369.2	434.4	510.7	4.59
50	25	R0050120402017 3550	0.22	75.9	93.0	109.4	185.3	293.4	372.0	437.6	513.5	4.71
51	25	R0050120402017 3551	0.26	74.3	90.9	106.9	181.2	293.3	363.6	427.8	502.1	4.71
52	25	R0050120402017 3552	0.24	75.8	91.4	107.5	183.3	290.7	365.6	430.1	505.9	4.67
53	25	R0050120402017 3553	0.22	76.0	90.6	106.6	182.6	292.9	362.4	426.4	502.4	4.70
54	25	R0050120402017 3554	0.30	77.7	91.5	107.6	185.3	286.8	366.0	430.6	508.3	4.61
55	25	R0050120402017 3555	0.23	77.4	91.9	108.1	185.5	290.2	367.6	432.5	509.9	4.66
56	25	R0050120402017 3556	0.27	75.9	92.4	108.7	184.6	285.5	369.6	434.8	510.7	4.59
57	25	R0050120402017 3557	0.23	77.8	91.8	108.0	185.8	284.0	367.2	432.0	509.8	4.56
58	25	R0050120402017 3558	0.31	74.2	92.2	108.5	182.7	289.1	368.8	433.9	508.1	4.64
59	25	R0050120402017 3559	0.33	76.9	91.2	107.3	184.2	286.4	364.8	429.2	506.1	4.60
60	25	R0050120402017 3560	0.31	75.5	92.7	109.1	184.6	287.3	370.8	436.2	511.7	4.62
61	25	R0050120402017 3561	0.22	72.5	92.2	108.5	181.0	290.0	368.8	433.9	506.4	4.66
62	25	R0050120402017 3562	0.26	77.6	90.5	106.5	184.1	288.8	362.0	425.9	503.5	4.64
63	25	R0050120402017 3563	0.27	74.7	92.3	108.6	183.3	292.4	369.2	434.4	509.1	4.69
64	25	R0050120402017 3564	0.33	72.2	91.9	108.1	180.3	287.4	367.6	432.5	504.7	4.62
65	25	R0050120402017 3565	0.32	77.3	92.9	109.3	186.6	292.6	371.6	437.2	514.5	4.70
66	25	R0050120402017 3566	0.31	77.9	92.5	108.8	186.7	286.1	370.0	435.3	513.2	4.60
67	25	R0050120402017 3567	0.22	74.2	92.3	108.6	182.8	290.7	369.2	434.4	508.6	4.67
68	25	R0050120402017 3568	0.28	73.1	91.9	108.1	181.2	294.9	367.6	432.5	505.6	4.73
69	25	R0050120402017 3569	0.32	72.0	91.6	107.8	179.8	287.3	366.4	431.1	503.1	4.61
70	25	R0050120402017 3570	0.33	74.9	92.6	108.9	183.8	289.0	370.4	435.8	510.7	4.64
71	25	R0050120402017 3571	0.34	77.8	92.1	108.4	186.2	291.5	368.4	433.4	511.2	4.68
72	25	R0050120402017 3572	0.25	72.6	92.3	108.6	181.2	290.5	369.2	434.4	507.0	4.67
73	25	R0050120402017 3573	0.34	73.4	90.5	106.5	179.9	292.3	362.0	425.9	499.3	4.69
74	25	R0050120402017 3574	0.31	73.8	91.2	107.3	181.1	291.7	364.8	429.2	503.0	4.68
75	25	R0050120402017 3575	0.29	74.0	92.2	108.5	182.5	292.4	368.8	433.9	507.9	4.69
76	25	R0050120402017 3576	0.29	74.8	92.5	108.8	183.6	293.6	370.0	435.3	510.1	4.71
77	25	R0050120402017 3577	0.25	74.3	92.6	108.9	183.2	286.4	370.4	435.8	510.1	4.60
78	25	R0050120402017 3578	0.29	76.2	92.7	109.1	185.3	285.3	370.8	436.2	512.4	4.59
79	25	R0050120402017 3579	0.27	73.0	90.6	106.6	179.6	294.3	362.4	426.4	499.4	4.72
80	25	R0050120402017 3580	0.32	72.2	91.1	107.2	179.4	292.7	364.4	428.7	500.9	4.70

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Cap acity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Am		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	30 °C	75 °C	75 °C	Imp. Volt	30 °C	75 °C	75 °C	75 °C
81	25	R0050120402017 3581	0.23	72.9	90.7	106.7	179.6	287.0	362.8	426.8	499.7	4.61
82	25	R0050120402017 3582	0.28	72.7	93.0	109.4	182.1	288.6	372.0	437.6	510.3	4.64
83	25	R0050120402017 3583	0.34	73.6	91.7	107.9	181.5	284.3	366.8	431.5	505.1	4.57
84	25	R0050120402017 3584	0.32	74.5	92.8	109.2	183.7	294.4	371.2	436.7	511.2	4.73
85	25	R0050120402017 3585	0.31	74.1	91.4	107.5	181.6	285.3	365.6	430.1	504.2	4.58
86	25	R0050120402017 3586	0.22	73.6	92.9	109.3	182.9	294.0	371.6	437.2	510.8	4.72
87	25	R0050120402017 3587	0.27	73.3	91.4	107.5	180.8	292.3	365.6	430.1	503.4	4.69
88	25	R0050120402017 3588	0.22	74.5	92.4	108.7	183.2	291.4	369.6	434.8	509.3	4.68
89	25	R0050120402017 3589	0.25	72.5	91.9	108.1	180.6	285.4	367.6	432.5	505.0	4.59
90	25	R0050120402017 3590	0.22	72.3	92.2	108.5	180.8	284.8	368.8	433.9	506.2	4.58
91	25	R0050120402017 3591	0.27	74.2	92.1	108.4	182.6	284.5	368.4	433.4	507.6	4.57
92	25	R0050120402017 3592	0.31	73.3	92.2	108.5	181.8	288.7	368.8	433.9	507.2	4.64
93	25	R0050120402017 3593	0.25	72.8	92.1	108.4	181.2	290.9	368.4	433.4	506.2	4.67
94	25	R0050120402017 3594	0.32	73.4	91.2	107.3	180.7	291.0	364.8	429.2	502.6	4.67
95	25	R0050120402017 3595	0.28	77.1	91.0	107.1	184.2	293.0	364.0	428.2	505.3	4.70
96	25	R0050120402017 3596	0.33	75.7	90.8	106.8	182.5	291.8	363.2	427.3	503.0	4.68
97	25	R0050120402017 3597	0.27	74.9	92.4	108.7	183.6	288.6	369.6	434.8	509.7	4.64
98	25	R0050120402017 3598	0.23	73.8	92.0	108.2	182.0	294.5	368.0	432.9	506.7	4.73
99	25	R0050120402017 3599	0.29	73.1	91.2	107.3	180.4	287.9	364.8	429.2	502.3	4.62
100	25	R0050120402017 3600	0.28	77.2	91.0	107.1	184.3	290.7	364.0	428.2	505.4	4.67
101	25	R0050120402017 3601	0.23	76.0	91.4	107.5	183.5	289.4	365.6	430.1	506.1	4.65
102	25	R0050120402017 3602	0.28	77.9	92.6	108.9	186.8	284.2	370.4	435.8	513.7	4.57
103	25	R0050120402017 3603	0.30	75.7	91.1	107.2	182.9	288.3	364.4	428.7	504.4	4.63
104	25	R0050120402017 3604	0.26	74.0	90.6	106.6	180.6	284.8	362.4	426.4	500.4	4.57
105	25	R0050120402017 3605	0.31	72.7	92.2	108.5	181.2	290.0	368.8	433.9	506.6	4.66
106	25	R0050120402017 3606	0.26	77.9	91.7	107.9	185.8	293.9	366.8	431.5	509.4	4.72
107	25	R0050120402017 3607	0.22	77.2	91.1	107.2	184.4	294.0	364.4	428.7	505.9	4.72
108	25	R0050120402017 3608	0.32	75.9	92.7	109.1	185.0	286.6	370.8	436.2	512.1	4.61
109	25	R0050120402017 3609	0.23	76.7	91.1	107.2	183.9	285.0	364.4	428.7	505.4	4.58
110	25	R0050120402017 3610	0.29	72.4	90.9	106.9	179.3	285.4	363.6	427.8	500.2	4.58
111	25	R0050120402017 3611	0.33	72.3	91.0	107.1	179.4	289.3	364.0	428.2	500.5	4.64
112	25	R0050120402017 3612	0.25	74.4	92.4	108.7	183.1	288.6	369.6	434.8	509.2	4.64
113	25	R0050120402017 3613	0.29	74.8	90.8	106.8	181.6	290.4	363.2	427.3	502.1	4.66
114	25	R0050120402017 3614	0.27	76.5	91.7	107.9	184.4	289.5	366.8	431.5	508.0	4.65
115	25	R0050120402017 3615	0.33	76.1	92.6	108.9	185.0	289.5	370.4	435.8	511.9	4.65
116	25	R0050120402017 3616	0.31	77.8	92.3	108.6	186.4	287.9	369.2	434.4	512.2	4.63
117	25	R0050120402017 3617	0.32	75.6	92.9	109.3	184.9	294.5	371.6	437.2	512.8	4.73
118	25	R0050120402017 3618	0.31	73.0	92.9	109.3	182.3	285.7	371.6	437.2	510.2	4.59
119	25	R0050120402017 3619	0.27	76.1	91.1	107.2	183.3	290.9	364.4	428.7	504.8	4.67
120	25	R0050120402017 3620	0.29	75.7	92.0	108.2	183.9	284.7	368.0	432.9	508.6	4.58

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Am		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	31 °C	75 °C	75 °c	Imp. Volt	31 °C	75 °C	75 °c	75 ° C
121	25	R0050120402017 3621	0.24	77.6	91.5	107.2	184.8	286.0	366.0	428.9	506.5	4.59
122	25	R0050120402017 3622	0.33	76.8	92.3	108.2	185.0	285.2	369.2	432.7	509.5	4.58
123	25	R0050120402017 3623	0.25	75.7	91.0	106.6	182.3	285.0	364.0	426.6	502.3	4.58
124	25	R0050120402017 3624	0.26	73.9	92.0	107.8	181.7	285.9	368.0	431.3	505.2	4.59
125	25	R0050120402017 3625	0.28	74.7	91.0	106.6	181.3	285.7	364.0	426.6	501.3	4.59
126	25	R0050120402017 3626	0.22	75.7	92.2	108.0	183.7	293.5	368.8	432.2	507.9	4.71
127	25	R0050120402017 3627	0.22	76.5	90.8	106.4	182.9	292.8	363.2	425.6	502.1	4.70
128	25	R0050120402017 3628	0.26	73.1	91.8	107.6	180.7	289.1	367.2	430.3	503.4	4.64
129	25	R0050120402017 3629	0.31	74.7	91.2	106.9	181.6	285.8	364.8	427.5	502.2	4.59
130	25	R0050120402017 3630	0.27	76.5	93.0	109.0	185.5	286.9	372.0	435.9	512.4	4.61
131	25	R0050120402017 3631	0.29	74.2	92.6	108.5	182.7	284.4	370.4	434.1	508.3	4.57
132	25	R0050120402017 3632	0.28	74.4	92.4	108.3	182.7	289.8	369.6	433.1	507.5	4.65
133	25	R0050120402017 3633	0.34	76.7	92.9	108.9	185.6	286.6	371.6	435.5	512.2	4.60
134	25	R0050120402017 3634	0.34	73.1	92.2	108.0	181.1	293.9	368.8	432.2	505.3	4.72
135	25	R0050120402017 3635	0.30	76.4	91.1	106.8	183.2	285.9	364.4	427.0	503.4	4.59
136	25	R0050120402017 3636	0.32	72.9	92.8	108.8	181.7	294.2	371.2	435.0	507.9	4.72
137	25	R0050120402017 3637	0.22	72.4	91.1	106.8	179.2	285.4	364.4	427.0	499.4	4.58
138	25	R0050120402017 3638	0.22	74.0	92.4	108.3	182.3	285.8	369.6	433.1	507.1	4.59
139	25	R0050120402017 3639	0.26	74.2	92.7	108.6	182.8	295.0	370.8	434.5	508.7	4.73
140	25	R0050120402017 3640	0.28	77.7	91.5	107.2	184.9	294.1	366.0	428.9	506.6	4.72
141	25	R0050120402017 3641	0.31	72.9	92.8	108.8	181.7	285.8	371.2	435.0	507.9	4.59
142	25	R0050120402017 3642	0.33	72.9	91.5	107.2	180.1	291.1	366.0	428.9	501.8	4.67
143	25	R0050120402017 3643	0.34	73.6	91.0	106.6	180.2	285.7	364.0	426.6	500.2	4.59
144	25	R0050120402017 3644	0.28	75.5	92.9	108.9	184.4	285.6	371.6	435.5	511.0	4.59
145	25	R0050120402017 3645	0.23	73.6	91.0	106.6	180.2	293.9	364.0	426.6	500.2	4.71
146	25	R0050120402017 3646	0.33	73.8	92.2	108.0	181.8	285.0	368.8	432.2	506.0	4.58
147	25	R0050120402017 3647	0.29	72.5	90.9	106.5	179.0	285.9	363.6	426.1	498.6	4.59
148	25	R0050120402017 3648	0.30	75.1	90.6	106.2	181.3	285.6	362.4	424.7	499.8	4.58
149	25	R0050120402017 3649	0.28	76.2	92.4	108.3	184.5	292.7	369.6	433.1	509.3	4.70
150	25	R0050120402017 3650	0.29	77.1	91.1	106.8	183.9	294.2	364.4	427.0	504.1	4.72
151	25	R0050120402017 3651	0.31	76.3	90.9	106.5	182.8	288.9	363.6	426.1	502.4	4.64
152	25	R0050120402017 3652	0.25	72.0	92.5	108.4	180.4	286.4	370.0	433.6	505.6	4.60
153	25	R0050120402017 3653	0.34	72.9	90.5	106.1	179.0	287.8	362.0	424.2	497.1	4.62
154	25	R0050120402017 3654	0.25	77.8	92.8	108.8	186.6	284.7	371.2	435.0	512.8	4.57
155	25	R0050120402017 3655	0.28	77.2	90.9	106.5	183.7	288.4	363.6	426.1	503.3	4.63
156	25	R0050120402017 3656	0.29	72.3	90.8	106.4	178.7	287.8	363.2	425.6	497.9	4.62
157	25	R0050120402017 3657	0.26	75.0	92.6	108.5	183.5	284.0	370.4	434.1	509.1	4.56
158	25	R0050120402017 3658	0.23	72.9	92.6	108.5	181.4	292.2	370.4	434.1	507.0	4.69
159	25	R0050120402017 3659	0.34	75.9	91.9	107.7	183.6	293.1	367.6	430.8	506.7	4.70
160	25	R0050120402017 3660	0.33	74.1	90.8	106.4	180.5	287.3	363.2	425.6	499.7	4.61

For R K Industries, Bareilly

Testing Engineer

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TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Amp		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	31 °C	75 °C	75 °c	Imp. Volt	31 °C	75 °C	75 °c	75 ° C
161	25	R0050120402017 3661	0.22	75.8	91.1	106.8	182.6	284.2	364.4	427.0	502.8	4.58
162	25	R0050120402017 3662	0.29	77.7	92.4	108.3	186.0	288.1	369.6	433.1	510.8	4.63
163	25	R0050120402017 3663	0.33	74.8	92.3	108.2	183.0	287.2	369 2	432.7	507.5	4.61
164	25	R0050120402017 3664	0.22	73.4	92.0	107.8	181.2	292.8	368.0	431.3	504.7	4.70
165	25	R0050120402017 3665	0.33	76.4	90.8	106.4	182.8	284.1	363.2	425.6	502.0	4.56
166	25	R0050120402017 3666	0.33	74.7	91.5	107.2	181.9	287.5	366.0	428.9	503.6	4.62
167	25	R0050120402017 3667	0.22	74.2	91.6	107.3	181.5	292.9	366.4	429.4	503.6	4.70
168	25	R0050120402017 3668	0.26	76.4	90.8	106.4	182.8	294.0	363.2	425.6	502.0	4.71
169	25	R0050120402017 3669	0.25	73.1	92.8	108.8	181.9	288.3	371.2	435.0	508.1	4.63
170	25	R0050120402017 3670	0 29	77 2	91.1	106.8	184.0	287.2	364.4	427.0	504.2	4.61
171	25	R0050120402017 3671	0.23	75.4	90.6	106.2	181.6	288.5	362.4	424.7	500.1	4.63
172	25	R0050120402017 3672	0.29	76.4	93.0	109.0	185.4	291.0	372.0	435.9	512.3	4.67
173	25	R0050120402017 3673	0.27	73.4	92.6	108.5	181.9	284.6	370.4	434.1	507.5	4.57
174	25	R0050120402017 3674	0.23	77.4	92.5	108.4	185.8	287.1	370.0	433.6	511.0	4.61
175	25	R0050120402017 3675	0.32	73 9	92.7	108.6	182.5	287.9	370.8	434.5	508.4	4.62
176	25	R0050120402017 3676	0.29	77.0	92.7	108.6	185.6	294.6	370.8	434.5	511.5	4.73
177	25	R0050120402017 3677	0.28	77.4	92.5	108.4	185.8	287.3	370.0	433.6	511.0	4.61
178	25	R0050120402017 3678	0.34	77.5	91.0	106.6	184.1	287.6	364.0	426.6	504.1	4.62
179	25	R0050120402017 3679	0.33	76.5	92.3	108.2	184.7	288.9	369.2	432.7	509.2	4.64
180	25	R0050120402017 3680	0.28	76.5	90.8	106.4	182.9	293.5	363.2	425.6	502.1	4.71
181	25	R0050120402017 3681	0.34	76.5	91.6	107.3	183.8	290.5	366.4	429.4	505.9	4.66
182	25	R0050120402017 3682	0.30	77.3	90.7	106.3	183.6	289.2	362.8	425.2	502.5	4.64
183	25	R0050120402017 3683	0.23	72.6	92.4	108.3	180.9	286.5	369.6	433.1	505.7	4.60
184	25	R0050120402017 3684	0.22	72.9	91.0	106.6	179.5	284.2	364.0	426.6	499.5	4.56
185	25	R0050120402017 3685	0.27	73.4	91.9	107.7	181.1	292.3	367.6	430.8	504.2	4.69
186	25	R0050120402017 3686	0.29	75.0	91.6	107.3	182.3	294.3	366.4	429.4	504.4	4.72
187	25	R0050120402017 3687	0.28	74.9	92.5	108.4	183.3	293.9	370.0	433.6	508.5	4.72
188	25	R0050120402017 3688	0.29	76.6	90.9	106.5	183.1	290.8	363.6	426.1	502.7	4.66
189	25	R0050120402017 3689	0.25	75.3	92.2	108.0	183.3	293.1	368.8	432.2	507.5	4.70
190	25	R0050120402017 3690	0.25	73.5	92.6	108.5	182.0	288.1	370.4	434 1	507 6	4 63
191	25	R0050120402017 3691	0.33	72.8	92.3	108.2	181.0	294.4	369.2	432.7	505.5	4.72
192	25	R0050120402017 3692	0.33	74.7	91.6	107.3	182.0	286.6	366.4	429.4	504.1	4.60
193	25	R0050120402017 3693	0.23	74.2	91.5	107.2	181.4	288.2	366.0	428.9	503.1	4.63
194	25	R0050120402017 3694	0.27	76.8	90.8	106.4	183.2	285.8	363.2	425.6	502.4	4.59
195	25	R0050120402017 3695	0.23	75.8	90.6	106.2	182.0	286.5	362.4	424.7	500.5	4.60
196	25	R0050120402017 3696	0.31	75.0	92.4	108.3	183.3	285.4	369.6	433.1	508.1	4.58
197	25	R0050120402017 3697	0.23	74.1	92.2	108.0	182.1	288.7	368.8	432.2	506.3	4.63
198	25	R0050120402017 3698	0.29	74.9	91.4	107.1	182.0	290.8	365.6	428.4	503.3	4.67
199	25	R0050120402017 3699	0.34	73.1	90.7	106.3	179.4	285.0	362.8	425.2	498.3	4.57
200	25	R0050120402017 3700	0.27	75.5	91 8	107.6	183.1	284.6	367.2	430.3	505.8	4.57

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MV/VNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Amp		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	31 °C	75 °C	75 °c	Imp. Volt	31 °C	75 °C	75 °c	75 °C
201	25	R0050120402017 3701	0.26	73.4	92.8	108.8	182.2	291.6	371.2	435.0	508.4	4.68
202	25	R0050120402017 3702	0.26	73.9	92.5	108.4	182.3	288.4	370.0	433.6	507.5	4.63
203	25	R0050120402017 3703	0.29	75.9	92.9	108.9	184.8	294.3	371.6	435.5	511.4	4.72
204	25	R0050120402017 3704	0.26	75.1	93.0	109.0	184.1	294.9	372.0	435.9	511.0	4.73
205	25	R0050120402017 3705	0.25	73.4	92.6	108.5	181.9	286.4	370.4	434.1	507.5	4.60
206	25	R0050120402017 3706	0.23	72.3	91.4	107.1	179.4	287.3	365.6	428.4	500.7	4.61
207	25	R0050120402017 3707	0.25	72.6	92.9	108.9	181.5	287.1	371.6	435.5	508.1	4.61
208	25	R0050120402017 3708	0.24	75.8	91.4	107.1	182.9	287.6	365.6	428.4	504.2	4.62
209	25	R0050120402017 3709	0.31	72.4	92.4	108.3	180.7	294.1	369.6	433.1	505.5	4.72
210	25	R0050120402017 3710	0.34	73.9	92.4	108.3	182.2	287.6	369.6	433.1	507.0	4.62
211	25	R0050120402017 3711	0.25	75.4	91.8	107.6	183.0	289.1	367.2	430.3	505.7	4.64
212	25	R0050120402017 3712	0.28	78.0	91.4	107.1	185.1	292.6	365.6	428.4	506.4	4.69
213	25	R0050120402017 3713	0.32	77.8	92.5	108.4	186.2	286.0	370.0	433.6	511.4	4.59
214	25	R0050120402017 3714	0.25	77.7	92.2	108.0	185.7	292.5	368.8	432.2	509.9	4.69
215	25	R0050120402017 3715	0.25	73.4	91.6	107.3	180.7	291.6	366.4	429.4	502.8	4.68
216	25	R0050120402017 3716	0.32	76.3	92.3	108.2	184.5	291.4	369.2	432.7	509.0	4.68
217	25	R0050120402017 3717	0.32	72.9	92.1	107.9	180.8	293.4	368.4	431.7	504.6	4.71
218	25	R0050120402017 3718	0.26	77.9	92.2	108.0	185.9	293.8	368.8	432.2	510.1	4.71
219	25	R0050120402017 3719	0.31	77.8	91.4	107.1	184.9	288.2	365.6	428.4	506.2	4.63
220	25	R0050120402017 3720	0.31	73.6	91.6	107.3	180.9	287.7	366.4	429.4	503.0	4.62
221	25	R0050120402017 3721	0.32	74.6	92.2	108.0	182.6	289.3	368.8	432.2	506.8	4.64
222	25	R0050120402017 3722	0.28	76.4	90.9	106.5	182.9	289.6	363.6	426.1	502.5	4.65
223	25	R0050120402017 3723	0.31	73.9	91.8	107.6	181.5	291.9	367.2	430.3	504.2	4.68
224	25	R0050120402017 3724	0.29	77.2	92.1	107.9	185.1	294.3	368.4	431.7	508.9	4.72
225	25	R0050120402017 3725	0.29	73.5	92.7	108.6	182.1	284.7	370.8	434.5	508.0	4.57
226	25	R0050120402017 3726	0.22	73.9	91.7	107.5	181.4	292.9	366.8	429.8	503.7	4.70
227	25	R0050120402017 3727	0.22	72.8	92.8	108.8	181.6	293.9	371.2	435.0	507.8	4.72
228	25	R0050120402017 3728	0.26	74.7	91.5	107.2	181.9	292.6	366.0	428.9	503.6	4.69
229	25	R0050120402017 3729	0.24	73.8	91.2	106.9	180.7	294.5	364.8	427.5	501.3	4.72
230	25	R0050120402017 3730	0.25	73.2	92.6	108.5	181.7	289.2	370.4	434.1	507.3	4.64
231	25	R0050120402017 3731	0.26	73.1	92.4	108.3	181.4	284.0	369.6	433.1	506.2	4.56
232	25	R0050120402017 3732	0.32	75.3	92.3	108.2	183.5	284.3	369.2	432.7	508.0	4.57
233	25	R0050120402017 3733	0.30	77.5	90.8	106.4	183.9	291.9	363.2	425.6	503.1	4.68
234	25	R0050120402017 3734	0.31	72.6	92.2	108.0	180.6	290.5	368.8	432.2	504.8	4.66
235	25	R0050120402017 3735	0.30	76.3	91.5	107.2	183.5	286.7	366.0	428.9	505.2	4.60
236	25	R0050120402017 3736	0.29	77.4	91.6	107.3	184.7	291.2	366.4	429.4	506.8	4.67
237	25	R0050120402017 3737	0.33	75.2	92.6	108.5	183.7	288.0	370.4	434.1	509.3	4.62
238	25	R0050120402017 3738	0.31	75.0	92.1	107.9	182.9	289.0	368.4	431.7	506.7	4.64
239	25	R0050120402017 3739	0.30	73.6	92.8	108.8	182.4	292.2	371.2	435.0	508.6	4.69
240	25	R0050120402017 3740	0.24	77.3	92.1	107.9	185.2	289.6	368.4	431.7	509.0	4.65

For **R K Industries, Bareilly**

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO. MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Am		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	31 °C	75 °C	75 °c	Imp. Volt	31 °C	75 °C	75 °c	75 °C
241	25	R0050120402017 3741	0.33	77.7	91.1	106.8	184.5	284.3	364.4	427.0	504 7	4.56
242	25	R0050120402017 3742	0.29	77.2	92.7	108.6	185.8	294.8	370.8	434.5	511.7	4.73
243	25	R0050120402017 3743	0.23	74.4	90.5	106.1	180.5	294.4	362.0	424.2	498.6	4.72
244	25	R0050120402017 3744	0.27	73.0	90.5	106.1	179.1	288.1	362.0	424.2	497.2	4.62
245	25	R0050120402017 3745	0.23	73.8	90.5	106.1	179.9	292.8	362.0	424.2	498.0	4.70
246	25	R0050120402017 3746	0.30	75.7	91.3	107.0	182.7	293.4	365.2	428.0	503.7	4.71
247	25	R0050120402017 3747	0.22	76.7	92.9	108.9	185.6	291.1	371.6	435.5	512.2	4.67
248	25	R0050120402017 3748	0.34	73.8	92.9	108.9	182.7	286.4	371.6	435.5	509.3	4.60
249	25	R0050120402017 3749	0.22	77.4	92.5	108.4	185.8	289.1	370.0	433.6	511.0	4.64
250	25	R0050120402017 3750	0.27	72.5	92.4	108.3	180.8	290.8	369.6	433.1	505.6	4.67
251	25	R0050120402017 3751	0.25	75.4	91.7	107.5	182.9	293.5	366.8	429.8	505.2	4.71
252	25	R0050120402017 3752	0.26	72.9	90.6	106.2	179.1	284.8	362.4	424.7	497.8	4.57
253	25	R0050120402017 3753	0.23	73.0	91.5	107.2	180.2	286.5	366.0	428.9	501.9	4.60
254	25	R0050120402017 3754	0.31	77.6	90.5	106.1	183.7	286.7	362.0	424.2	501.8	4.60
255	25	R0050120402017 3755	0.29	74.5	91.7	107.5	182.0	292.7	366.8	429.8	504.3	4.70
256	25	R0050120402017 3756	0.27	73.1	90.9	106.5	179.6	290.8	363.6	426.1	499.2	4.66
257	25	R0050120402017 3757	0.23	72.1	92.9	108.9	181.0	290.3	371.6	435.5	507.6	4.66
258	25	R0050120402017 3758	0.28	75.0	91.1	106.8	181.8	285.7	364.4	427.0	502.0	4.59
259	25	R0050120402017 3759	0.22	76.9	91.7	107.5	184.4	285.3	366.8	429.8	506.7	4.58
260	25	R0050120402017 3760	0.28	72.9	92.6	108.5	181.4	288.6	370.4	434.1	507.0	4.63
261	25	R0050120402017 3761	0.29	77.0	92.8	108.8	185.8	285.2	371.2	435.0	512.0	4.58
262	25	R0050120402017 3762	0.28	74.8	92.0	107.8	182.6	292.4	368.0	431.3	506.1	4.69
263	25	R0050120402017 3763	0.33	76.3	91.9	107.7	184.0	289.5	367.6	430.8	507.1	4.65
264	25	R0050120402017 3764	0.32	76.9	92.9	108.9	185.8	284.1	371.6	435.5	512.4	4.57
265	25	R0050120402017 3765	0.30	76.6	91.3	107.0	183.6	295.0	365.2	428.0	504.6	4.73
266	25	R0050120402017 3766	0.32	76.3	93.0	109.0	185.3	292.7	372.0	435.9	512.2	4.70
267	25	R0050120402017 3767	0.31	75.7	91.5	107.2	182.9	286.2	366 0	428.9	504.6	4.59
268	25	R0050120402017 3768	0.29	74.7	92.5	108.4	183.1	290.3	370.0	433.6	508.3	4.66
269	25	R0050120402017 3769	0.23	75.2	90.5	106.1	181.3	286.6	362.0	424.2	499.4	4.60
270	25	R0050120402017 3770	0.31	73.9	91.7	107.5	181.4	294.8	366.8	429.8	503.7	4.73
271	25	R0050120402017 3771	0.32	76.6	90.6	106.2	182.8	288.3	362.4	424.7	501.3	4.63
272	25	R0050120402017 3772	0.27	74.0	90.6	106.2	180.2	287.8	362.4	424.7	498.7	4.62
273	25	R0050120402017 3773	0.30	77.1	91.8	107.6	184.7	292.6	367.2	430.3	507.4	4.69
274	25	R0050120402017 3774	0.32	73.3	92.9	108.9	182.2	293.2	371.6	435.5	508.8	4.71
275	25	R0050120402017 3775	0.24	72.7	91.4	107.1	179.8	291.4	365.6	428.4	501.1	4.68
276	25	R0050120402017 3776	0.28	76.5	90.7	106.3	182.8	286.4	362.8	425.2	501.7	4.60
277	25	R0050120402017 3777	0.22	76.3	92.8	108.8	185.1	289.5	371.2	435.0	511.3	4.65
278	25	R0050120402017 3778	0.26	72.3	91.0	106 6	178.9	291.9	364.0	426.6	498.9	4.68
279	25	R0050120402017 3779	0.29	74 5	92.6	108.5	183.0	285.8	370.4	434.1	508.6	4.59
280	25	R0050120402017 3780	0.23	77.3	91.3	107.0	184.3	289.1	365.2	428.0	505.3	4 64

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER,AGAINST P.O NO.: MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Cap acity	Unique	No Load Loss at 250 V,50 Hz		Load Loss at 50 % Load			Load Loss at 100 % Load				% of Imp. at
			I at 100 %	Loss	I = 0.656 Am		Total Loss	I = 1.31 Amp			Total Loss	
			Amp	Watt	31 °C	75 °C	75 °c	Imp. Volt	31 °C	75 °C	75 °c	75 ° C
281	25	R0050120402017 3781	0.30	74.5	90.5	106.1	180.6	280.5	362.0	424.2	498.7	4.66
282	25	R0050120402017 3782	0.22	73.1	92.2	108.0	181.1	290.8	368.8	432.2	505.3	4.67
283	25	R0050120402017 3783	0.30	76.1	93.0	109.0	185.1	284.2	372.0	435.9	512.0	4.57
284	25	R0050120402017 3784	0.27	74.1	92.8	108.8	182.9	287.4	371.2	435.0	509.1	4.62
285	25	R0050120402017 3785	0.26	72.9	91.0	106.6	179.5	287.4	364.0	426.6	499.5	4.61
286	25	R0050120402017 3786	0.23	72.1	92.9	108.9	181.0	289.6	371.6	435.5	507.6	4.65
287	25	R0050120402017 3787	0.33	73.7	93.0	109.0	182.7	288.4	372.0	435.9	509.6	4.63
288	25	R0050120402017 3788	0.32	76.3	90.6	106.2	182.5	288.5	362.4	424.7	501.0	4.63
289	25	R0050120402017 3789	0.31	75.7	92.8	108.8	184.5	285.7	371.2	435.0	510.7	4.59
290	25	R0050120402017 3790	0.28	76.4	90.7	106.3	182.7	291.5	362.8	425.2	501.6	4.68
291	25	R0050120402017 3791	0.29	76.3	92.6	108.5	184.8	288.0	370.4	434.1	510.4	4.62
292	25	R0050120402017 3792	0.27	76.2	91.1	106.8	183.0	289.1	364.4	427.0	503.2	4.64
293	25	R0050120402017 3793	0.32	77.1	90.5	106.1	183.2	287.6	362.0	424.2	501.3	4.61
294	25	R0050120402017 3794	0.33	75.4	90.7	106.3	181.7	287.2	362.8	425.2	500.6	4.61
295	25	R0050120402017 3795	0.28	74.0	91.3	107.0	181.0	288.5	365.2	428.0	502.0	4.63
296	25	R0050120402017 3796	0.33	73.2	93.0	109.0	182.2	286.1	372.0	435.9	509.1	4.60
297	25	R0050120402017 3797	0.23	77.2	92.9	108.9	186.1	294.9	371.6	435.5	512.7	4.73
298	25	R0050120402017 3798	0.30	76.8	90.9	106.5	183.3	284.3	363.6	426.1	502.9	4.56
299	25	R0050120402017 3799	0.26	77.2	90.6	106.2	183.4	291.0	362.4	424.7	501.9	4.67
300	25	R0050120402017 3800	0.33	75.8	91.8	107.6	183.4	287.8	367.2	430.3	506.1	4.62

For **R K Industries, Bareilly**

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No 1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25 07 2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST at 30 °C			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 °C					
						1U-1V	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV		HV (In ohm)			LV (P-P)(In milliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
1	25	R0050120402017 3501	>2000	>2000	>2000	43.98	43.92	44.08	OK	OK	OK	OK	83.2	83.2	83.5	81.6	80.7	81.5
2	25	R0050120402017 3502	>2000	>2000	>2000	44.08	44.06	44.02	OK	OK	OK	OK	83.4	82.9	83.8	81.3	80.6	81.6
3	25	R0050120402017 3503	>2000	>2000	>2000	43.99	43.92	44.06	OK	OK	OK	OK	83.4	83.7	83.2	81.3	80.8	81.2
4	25	R0050120402017 3504	>2000	>2000	>2000	44.01	43.96	44.10	OK	OK	OK	OK	83.1	83.5	83.4	81.2	81.4	80.7
5	25	R0050120402017 3505	>2000	>2000	>2000	43.99	44.10	44.05	OK	OK	OK	OK	83.3	83.3	83.3	80.8	81.3	80.9
6	25	R0050120402017 3506	>2000	>2000	>2000	44.10	44.05	44.09	OK	OK	OK	OK	83.1	82.9	83.7	81.1	80.6	81.1
7	25	R0050120402017 3507	>2000	>2000	>2000	44.05	43.98	43.97	OK	OK	OK	OK	82.9	82.8	83.0	81.1	81.2	81.1
8	25	R0050120402017 3508	>2000	>2000	>2000	43.98	43.99	43.96	OK	OK	OK	OK	82.7	83.0	83.7	80.8	80.5	80.9
9	25	R0050120402017 3509	>2000	>2000	>2000	44.05	44.09	44.03	OK	OK	OK	OK	83.2	83.5	83.5	80.8	80.9	81.5
10	25	R0050120402017 3510	>2000	>2000	>2000	44.08	43.91	43.90	OK	OK	OK	OK	83.4	82.9	83.7	81.5	81.1	81.5
11	25	R0050120402017 3511	>2000	>2000	>2000	43.98	43.94	44.09	OK	OK	OK	OK	83.4	83.5	83.4	81.1	80.9	81.3
12	25	R0050120402017 3512	>2000	>2000	>2000	43.98	43.90	43.98	OK	OK	OK	OK	83.2	83.1	83.4	81.2	81.5	81.4
13	25	R0050120402017 3513	>2000	>2000	>2000	44.01	44.01	43.95	OK	OK	OK	OK	82.8	83.3	82.9	81.1	81.3	81.5
14	25	R0050120402017 3514	>2000	>2000	>2000	44.08	44.03	44.00	OK	OK	OK	OK	83.6	83.5	82.8	81.6	80.9	80.5
15	25	R0050120402017 3515	>2000	>2000	>2000	44.04	44.08	43.94	OK	OK	OK	OK	83.4	83.7	83.0	81.0	80.5	80.9
16	25	R0050120402017 3516	>2000	>2000	>2000	44.00	44.02	43.99	OK	OK	OK	OK	83.5	83.4	83.6	81.6	80.6	81.1
17	25	R0050120402017 3517	>2000	>2000	>2000	44.02	44.06	43.98	OK	OK	OK	OK	83.5	83.4	83.1	80.9	80.9	80.9
18	25	R0050120402017 3518	>2000	>2000	>2000	44.08	43.95	44.03	OK	OK	OK	OK	83.4	83.5	82.8	81.2	81.6	80.7
19	25	R0050120402017 3519	>2000	>2000	>2000	44.00	43.94	44.05	OK	OK	OK	OK	83.3	83.4	83.5	80.6	80.8	81.4
20	25	R0050120402017 3520	>2000	>2000	>2000	44.07	43.99	44.02	OK	OK	OK	OK	83.3	83.7	83.4	81.1	81.6	80.6
21	25	R0050120402017 3521	>2000	>2000	>2000	44.10	44.03	43.97	OK	OK	OK	OK	82.9	83.0	83.3	80.5	81.3	80.5
22	25	R0050120402017 3522	>2000	>2000	>2000	44.05	43.99	44.03	OK	OK	OK	OK	82.8	83.7	83.4	81.4	80.7	81.4
23	25	R0050120402017 3523	>2000	>2000	>2000	43.93	43.98	43.96	OK	OK	OK	OK	83.1	83.0	83.5	80.7	80.6	80.7
24	25	R0050120402017 3524	>2000	>2000	>2000	44.08	44.05	44.10	OK	OK	OK	OK	83.1	83.3	83.4	80.7	80.6	80.9
25	25	R0050120402017 3525	>2000	>2000	>2000	43.97	44.06	44.04	OK	OK	OK	OK	83.7	82.8	82.9	80.8	81.0	81.6
26	25	R0050120402017 3526	>2000	>2000	>2000	43.95	44.00	44.06	OK	OK	OK	OK	83.1	83.0	83.4	81.4	81.5	80.7
27	25	R0050120402017 3527	>2000	>2000	>2000	43.92	43.94	43.99	OK	OK	OK	OK	83.0	82.8	82.9	81.3	80.7	81.4
28	25	R0050120402017 3528	>2000	>2000	>2000	44.09	43.90	44.04	OK	OK	OK	OK	83.5	82.7	83.5	81.6	81.4	81.6
29	25	R0050120402017 3529	>2000	>2000	>2000	43.95	44.10	44.06	OK	OK	OK	OK	83.7	83.6	82.8	80.7	81.4	81.0
30	25	R0050120402017 3530	>2000	>2000	>2000	43.99	43.93	44.10	OK	OK	OK	OK	83.0	83.0	83.4	81.0	81.2	81.1
31	25	R0050120402017 3531	>2000	>2000	>2000	43.94	44.08	44.04	OK	OK	OK	OK	83.7	83.5	83.3	81.4	80.7	81.1
32	25	R0050120402017 3532	>2000	>2000	>2000	43.91	44.08	43.94	OK	OK	OK	OK	83.5	83.1	83.5	81.2	81.3	80.9
33	25	R0050120402017 3533	>2000	>2000	>2000	44.05	44.02	43.99	OK	OK	OK	OK	83.3	83.2	83.1	81.3	80.6	80.8
34	25	R0050120402017 3534	>2000	>2000	>2000	44.00	44.08	44.10	OK	OK	OK	OK	82.9	83.3	83.5	81.3	81.6	80.8
35	25	R0050120402017 3535	>2000	>2000	>2000	43.93	43.90	44.04	OK	OK	OK	OK	83.6	82.7	82.8	81.4	81.1	81.1
36	25	R0050120402017 3536	>2000	>2000	>2000	43.96	43.96	43.94	OK	OK	OK	OK	83.0	83.0	82.8	81.0	80.6	81.0
37	25	R0050120402017 3537	>2000	>2000	>2000	43.97	44.06	43.91	OK	OK	OK	OK	83.2	82.7	83.1	81.0	80.8	81.6
38	25	R0050120402017 3538	>2000	>2000	>2000	44.06	44.00	43.93	OK	OK	OK	OK	83.7	83.0	82.8	81.4	80.7	81.0
39	25	R0050120402017 3539	>2000	>2000	>2000	44.04	43.90	44.03	OK	OK	OK	OK	83.8	83.6	83.6	81.5	81.6	81.3
40	25	R0050120402017 3540	>2000	>2000	>2000	44.07	43.91	44.03	OK	OK	OK	OK	83.8	82.9	83.5	80.7	81.2	81.5

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 °C					
			at 30 °C			1U-1V/	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV		HV (In ohm)			LV (P-P)(In miliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
41	25	R0050120402017 3541	>2000	>2000	>2000	43.90	43.91	44.01	OK	OK	OK	OK	83.8	82.7	83.1	80.7	81.6	81.1
42	25	R0050120402017 3542	>2000	>2000	>2000	43.95	44.08	44.04	OK	OK	OK	OK	83.2	82.7	83.7	81.2	81.5	80.6
43	25	R0050120402017 3543	>2000	>2000	>2000	43.95	43.92	43.96	OK	OK	OK	OK	83.7	83.5	83.3	81.3	81.0	81.5
44	25	R0050120402017 3544	>2000	>2000	>2000	44.07	43.90	44.07	OK	OK	OK	OK	83.6	83.2	83.2	81.3	81.3	80.7
45	25	R0050120402017 3545	>2000	>2000	>2000	43.95	43.93	44.02	OK	OK	OK	OK	83.1	83.6	83.0	81.3	81.3	80.7
46	25	R0050120402017 3546	>2000	>2000	>2000	43.90	44.02	44.09	OK	OK	OK	OK	83.4	82.9	83.1	81.5	80.8	81.0
47	25	R0050120402017 3547	>2000	>2000	>2000	44.10	43.95	44.06	OK	OK	OK	OK	83.5	83.4	83.2	80.6	81.4	81.2
48	25	R0050120402017 3548	>2000	>2000	>2000	44.09	43.98	44.10	OK	OK	OK	OK	83.1	82.8	82.7	81.1	80.8	80.9
49	25	R0050120402017 3549	>2000	>2000	>2000	43.93	44.06	43.96	OK	OK	OK	OK	82.7	83.3	82.9	80.9	80.7	81.3
50	25	R0050120402017 3550	>2000	>2000	>2000	44.01	44.10	43.99	OK	OK	OK	OK	83.8	82.9	83.2	81.0	81.4	80.7
51	25	R0050120402017 3551	>2000	>2000	>2000	44.01	44.00	44.09	OK	OK	OK	OK	83.5	82.7	83.5	81.5	81.3	81.2
52	25	R0050120402017 3552	>2000	>2000	>2000	43.92	44.10	43.91	OK	OK	OK	OK	83.3	82.9	83.0	80.8	80.8	81.4
53	25	R0050120402017 3553	>2000	>2000	>2000	43.93	43.91	44.08	OK	OK	OK	OK	83.3	83.3	83.0	81.0	80.7	81.2
54	25	R0050120402017 3554	>2000	>2000	>2000	44.02	44.08	44.03	OK	OK	OK	OK	83.7	82.7	83.4	81.5	81.4	80.5
55	25	R0050120402017 3555	>2000	>2000	>2000	44.07	44.05	43.96	OK	OK	OK	OK	83.0	83.2	82.8	80.6	81.5	80.8
56	25	R0050120402017 3556	>2000	>2000	>2000	44.09	44.05	44.01	OK	OK	OK	OK	83.2	83.2	83.1	81.4	81.2	80.8
57	25	R0050120402017 3557	>2000	>2000	>2000	44.10	44.09	43.91	OK	OK	OK	OK	83.2	82.9	83.0	81.5	81.2	80.9
58	25	R0050120402017 3558	>2000	>2000	>2000	44.09	43.90	44.02	OK	OK	OK	OK	82.8	83.6	83.1	81.3	81.3	81.0
59	25	R0050120402017 3559	>2000	>2000	>2000	43.94	44.09	43.90	OK	OK	OK	OK	82.9	82.8	83.2	81.4	81.3	80.6
60	25	R0050120402017 3560	>2000	>2000	>2000	44.03	43.91	44.10	OK	OK	OK	OK	83.5	83.0	83.2	81.1	80.7	80.8
61	25	R0050120402017 3561	>2000	>2000	>2000	44.03	44.06	44.08	OK	OK	OK	OK	83.7	82.9	82.7	80.9	81.1	81.0
62	25	R0050120402017 3562	>2000	>2000	>2000	43.99	43.93	44.02	OK	OK	OK	OK	83.7	83.4	83.4	80.9	80.5	81.3
63	25	R0050120402017 3563	>2000	>2000	>2000	43.94	43.96	44.09	OK	OK	OK	OK	82.8	82.8	83.1	81.3	81.3	80.8
64	25	R0050120402017 3564	>2000	>2000	>2000	44.07	43.95	44.08	OK	OK	OK	OK	83.1	83.5	83.1	80.7	81.4	80.7
65	25	R0050120402017 3565	>2000	>2000	>2000	44.03	44.08	44.00	OK	OK	OK	OK	83.0	83.8	83.1	80.9	81.3	80.9
66	25	R0050120402017 3566	>2000	>2000	>2000	44.09	44.10	44.00	OK	OK	OK	OK	83.5	82.8	82.9	80.7	80.8	80.6
67	25	R0050120402017 3567	>2000	>2000	>2000	44.01	44.09	43.90	OK	OK	OK	OK	82.8	82.7	83.1	81.5	81.2	81.2
68	25	R0050120402017 3568	>2000	>2000	>2000	43.91	43.94	43.99	OK	OK	OK	OK	83.6	83.7	83.2	81.2	81.5	81.5
69	25	R0050120402017 3569	>2000	>2000	>2000	43.95	44.08	44.02	OK	OK	OK	OK	83.2	83.8	83.8	81.4	80.5	80.7
70	25	R0050120402017 3570	>2000	>2000	>2000	44.07	44.09	44.08	OK	OK	OK	OK	83.8	83.8	83.2	81.2	80.9	80.6
71	25	R0050120402017 3571	>2000	>2000	>2000	43.90	43.96	44.04	OK	OK	OK	OK	83.7	83.6	83.1	81.3	81.1	80.6
72	25	R0050120402017 3572	>2000	>2000	>2000	44.08	43.92	43.90	OK	OK	OK	OK	83.5	83.7	83.7	80.8	80.9	80.8
73	25	R0050120402017 3573	>2000	>2000	>2000	44.08	43.96	44.01	OK	OK	OK	OK	82.8	83.1	82.9	80.8	81.3	80.7
74	25	R0050120402017 3574	>2000	>2000	>2000	43.92	44.06	44.03	OK	OK	OK	OK	82.9	83.8	83.8	81.0	80.7	81.5
75	25	R0050120402017 3575	>2000	>2000	>2000	44.06	44.05	44.08	OK	OK	OK	OK	82.9	83.6	83.7	81.5	81.2	81.2
76	25	R0050120402017 3576	>2000	>2000	>2000	43.93	43.92	44.10	OK	OK	OK	OK	83.6	82.8	83.2	80.7	81.3	81.6
77	25	R0050120402017 3577	>2000	>2000	>2000	43.93	43.95	44.08	OK	OK	OK	OK	83.6	82.7	82.7	80.6	80.5	81.1
78	25	R0050120402017 3578	>2000	>2000	>2000	44.10	43.90	43.98	OK	OK	OK	OK	83.2	82.9	83.7	81.4	80.8	81.5
79	25	R0050120402017 3579	>2000	>2000	>2000	44.04	44.00	43.93	OK	OK	OK	OK	83.3	83.5	82.9	81.1	80.6	80.5
80	25	R0050120402017 3580	>2000	>2000	>2000	44.06	44.09	43.97	OK	OK	OK	OK	82.9	83.2	82.8	81.3	81.6	81.6

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST	WINDING RESISTANCE TEST at 30 °C					
			at 30 °C			1U-1V	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV	866 V ,100 Hz for 60 sec.	HV (In ohm)			LV (P-P)(In milliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
81	25	R0050120402017 3581	>2000	>2000	>2000	44 05	44.00	44.07	OK	OK	OK	OK	83.8	83.4	83 7	81.0	80.5	80.6
82	25	R0050120402017 3582	>2000	>2000	>2000	43.95	44.09	43.98	OK	OK	OK	OK	83.3	82.9	82.9	81.6	80.7	81.2
83	25	R0050120402017 3583	>2000	>2000	>2000	44.01	44.01	44.04	OK	OK	OK	OK	82.9	83.0	83.5	81.0	81.3	81.2
84	25	R0050120402017 3584	>2000	>2000	>2000	44.04	44.03	43.96	OK	OK	OK	OK	83.8	82.7	82.9	81.1	81.1	81.3
85	25	R0050120402017 3585	>2000	>2000	>2000	44.09	44.00	44.08	OK	OK	OK	OK	82.8	83.0	83.0	80.7	80.6	80.6
86	25	R0050120402017 3586	>2000	>2000	>2000	43.95	43.93	44.08	OK	OK	OK	OK	83.0	83.3	83.3	80.7	81.4	80 7
87	25	R0050120402017 3587	>2000	>2000	>2000	44.07	43.96	44.09	OK	OK	OK	OK	82.9	83.0	83.4	81.1	80.9	81 1
88	25	R0050120402017 3588	>2000	>2000	>2000	44.09	44.00	43.97	OK	OK	OK	OK	82.9	83.1	83.6	81.1	80.6	80.6
89	25	R0050120402017 3589	>2000	>2000	>2000	44 01	43 98	43 91	OK	OK	OK	OK	83.5	82.7	83.2	81.4	80.8	81.0
90	25	R0050120402017 3590	>2000	>2000	>2000	43 96	43 96	43.98	OK	OK	OK	OK	83.0	83.3	82.9	81.6	81.3	80.8
91	25	R0050120402017 3591	>2000	>2000	>2000	44 04	43 96	43.91	OK	OK	OK	OK	83.4	82.8	83.4	81.1	81.4	80.9
92	25	R0050120402017 3592	>2000	>2000	>2000	43.97	43.99	43.97	OK	OK	OK	OK	83.0	83.2	83.5	80.8	81.5	81 1
93	25	R0050120402017 3593	>2000	>2000	>2000	44.04	43.99	44.06	OK	OK	OK	OK	83.5	83.6	83.4	80.7	80 9	80.8
94	25	R0050120402017 3594	>2000	>2000	>2000	43.90	44.09	43.99	OK	OK	OK	OK	83.7	82 8	83.8	80.8	80.7	81.1
95	25	R0050120402017 3595	>2000	>2000	>2000	43.96	44.06	44.05	OK	OK	OK	OK	83.5	83.4	82.9	80.7	81.1	81.3
96	25	R0050120402017 3596	>2000	>2000	>2000	44.00	44.02	44.03	OK	OK	OK	OK	82.7	83.5	83.5	80.5	80.6	80.6
97	25	R0050120402017 3597	>2000	>2000	>2000	43.94	43.90	43.90	OK	OK	OK	OK	83.5	82.9	83.2	81.5	81.2	80.8
98	25	R0050120402017 3598	>2000	>2000	>2000	43.97	44.06	43 96	OK	OK	OK	OK	82 8	83.6	83.8	81 3	80.9	81 4
99	25	R0050120402017 3599	>2000	>2000	>2000	43 97	43 92	43 93	OK	OK	OK	OK	82.9	83.3	83.2	80.7	81.4	80.6
100	25	R0050120402017 3600	>2000	>2000	>2000	43.96	44.05	43.93	OK	OK	OK	OK	82.9	83.0	83.2	81.1	80.6	81.8
101	25	R0050120402017 3601	>2000	>2000	>2000	44.08	44.07	44.03	OK	OK	OK	OK	82.8	82.8	83.4	80.7	80.5	81.4
102	25	R0050120402017 3602	>2000	>2000	>2000	44.05	43.97	44.05	OK	OK	OK	OK	83.7	82.9	83.4	81.0	81.5	81.6
103	25	R0050120402017 3603	>2000	>2000	>2000	43.95	44.09	44.05	OK	OK	OK	OK	83.7	82.8	83.3	80.7	80.5	80.8
104	25	R0050120402017 3604	>2000	>2000	>2000	43.98	43.91	44.04	OK	OK	OK	OK	82 8	83 3	83.7	81.0	81.6	81.2
105	25	R0050120402017 3605	>2000	>2000	>2000	44 01	43.95	44.01	OK	OK	OK	OK	83 8	83 5	83.7	81.4	81.1	80.5
106	25	R0050120402017 3606	>2000	>2000	>2000	44.03	43.99	44 07	OK	OK	OK	OK	83.8	83.5	82.8	80.8	80.8	81.5
107	25	R0050120402017 3607	>2000	>2000	>2000	43.99	43.95	44 08	OK	OK	OK	OK	83.3	83.0	83.2	80.9	81.1	81.5
108	25	R0050120402017 3608	>2000	>2000	>2000	43.99	43.95	44.03	OK	OK	OK	OK	82.9	83.6	82.8	80.8	81 4	81.3
109	25	R0050120402017 3609	>2000	>2000	>2000	44 02	43.91	44.06	OK	OK	OK	OK	82.9	83.0	83.7	81.3	80.9	81.3
110	25	R0050120402017 3610	>2000	>2000	>2000	43.93	44.00	43.96	OK	OK	OK	OK	83.5	82.9	82.8	80.5	81 1	80.5
111	25	R0050120402017 3611	>2000	>2000	>2000	44.09	44.02	44.09	OK	OK	OK	OK	83 7	83.8	83.1	80.5	81.5	81.4
112	25	R0050120402017 3612	>2000	>2000	>2000	44.07	43 97	43 98	OK	OK	OK	OK	83.5	83.2	83.1	81.0	80.8	80.6
113	25	R0050120402017 3613	>2000	>2000	>2000	44.04	44 05	43 92	OK	OK	OK	OK	82.9	83.2	83.8	80.6	81.2	81.6
114	25	R0050120402017 3614	>2000	>2000	>2000	44.03	43.98	44.06	OK	OK	OK	OK	83.5	83.7	83 1	80.9	80.7	80.7
115	25	R0050120402017 3615	>2000	>2000	>2000	44.10	43.90	44.08	OK	OK	OK	OK	83.6	83.8	83.5	81.4	81.2	80.9
116	25	R0050120402017 3616	>2000	>2000	>2000	43.93	43.98	44 05	OK	OK	OK	OK	82.8	83.8	83.1	81.1	81.2	81.4
117	25	R0050120402017 3617	>2000	>2000	>2000	43.97	44.10	44.01	OK	OK	OK	OK	83.7	83.1	83 1	80.9	81.2	80.6
118	25	R0050120402017 3618	>2000	>2000	>2000	44.09	43.99	43.94	OK	OK	OK	OK	83.7	82.8	82.8	80.8	81.2	81.0
119	25	R0050120402017 3619	>2000	>2000	>2000	44.04	44.03	43.95	OK	OK	OK	OK	83.6	83.1	82.9	80.5	81.2	80.8
120	25	R0050120402017 3620	>2000	>2000	>2000	43.96	44.03	44.05	OK	OK	OK	OK	83 1	83.8	82.8	81.4	81.6	81 3

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST at 30 °C			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 °C					
													HV (In ohm)			LV (P-P)(In milliohm		
			LV/E	HV/E	HV/LV	1U-1V/2U-2N	1V-1W/2V-2N	1W-1U/2W-2N	Polarity & Phase Sequence	HV 28 kV for 60 sec.	LV 3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
121	25	R0050120402017 3621	>2000	>2000	>2000	43.99	44.08	44.08	OK	OK	OK	OK	83.4	83.3	82.7	80.5	81.6	81.5
122	25	R0050120402017 3622	>2000	>2000	>2000	43.91	43.98	44.08	OK	OK	OK	OK	83.3	83.6	83.0	80.8	81.4	80.6
123	25	R0050120402017 3623	>2000	>2000	>2000	43.91	43.93	44.10	OK	OK	OK	OK	83.1	83.8	83.8	81.1	80.9	81.0
124	25	R0050120402017 3624	>2000	>2000	>2000	44.05	43.94	44.09	OK	OK	OK	OK	82.8	83.4	83.2	80.7	80.9	81.5
125	25	R0050120402017 3625	>2000	>2000	>2000	44.02	43.95	43.94	OK	OK	OK	OK	82.9	83.1	83.1	81.0	81.3	81.2
126	25	R0050120402017 3626	>2000	>2000	>2000	44.05	44.01	44.03	OK	OK	OK	OK	82.8	83.0	83.3	80.9	80.8	80.6
127	25	R0050120402017 3627	>2000	>2000	>2000	44.04	43.99	43.93	OK	OK	OK	OK	83.4	82.7	83.6	81.4	80.8	81.2
128	25	R0050120402017 3628	>2000	>2000	>2000	44.02	44.03	44.02	OK	OK	OK	OK	83.6	83.1	83.2	80.8	80.7	81.2
129	25	R0050120402017 3629	>2000	>2000	>2000	43.92	43.99	43.96	OK	OK	OK	OK	83.8	83.3	83.0	81.4	81.0	81.0
130	25	R0050120402017 3630	>2000	>2000	>2000	44.03	43.99	43.99	OK	OK	OK	OK	82.7	83.1	83.6	80.8	81.2	81.0
131	25	R0050120402017 3631	>2000	>2000	>2000	43.99	44.10	43.95	OK	OK	OK	OK	82.7	83.1	83.3	81.2	81.4	80.7
132	25	R0050120402017 3632	>2000	>2000	>2000	43.90	43.93	43.90	OK	OK	OK	OK	83.8	82.8	83.6	81.3	81.1	80.7
133	25	R0050120402017 3633	>2000	>2000	>2000	44.05	44.03	44.10	OK	OK	OK	OK	82.8	83.6	83.0	80.8	81.1	81.4
134	25	R0050120402017 3634	>2000	>2000	>2000	43.90	43.94	44.02	OK	OK	OK	OK	82.9	83.6	82.9	81.4	80.7	81.2
135	25	R0050120402017 3635	>2000	>2000	>2000	43.91	43.96	44.02	OK	OK	OK	OK	83.1	83.4	82.8	81.5	81.3	81.2
136	25	R0050120402017 3636	>2000	>2000	>2000	43.98	43.96	43.95	OK	OK	OK	OK	83.3	83.5	83.3	81.3	80.8	81.1
137	25	R0050120402017 3637	>2000	>2000	>2000	43.96	44.01	44.09	OK	OK	OK	OK	82.8	83.7	83.8	81.4	80.8	81.3
138	25	R0050120402017 3638	>2000	>2000	>2000	43.90	43.92	44.04	OK	OK	OK	OK	83.0	83.4	83.2	80.6	81.1	80.6
139	25	R0050120402017 3639	>2000	>2000	>2000	43.98	43.94	43.92	OK	OK	OK	OK	83.3	83.1	82.8	81.5	81.4	81.5
140	25	R0050120402017 3640	>2000	>2000	>2000	43.98	44.03	44.00	OK	OK	OK	OK	82.8	82.9	83.6	81.5	81.2	81.1
141	25	R0050120402017 3641	>2000	>2000	>2000	43.90	43.94	43.91	OK	OK	OK	OK	83.1	83.6	83.7	80.7	81.1	80.6
142	25	R0050120402017 3642	>2000	>2000	>2000	43.91	43.95	44.01	OK	OK	OK	OK	83.6	82.9	83.7	81.1	81.0	81.0
143	25	R0050120402017 3643	>2000	>2000	>2000	44.08	44.04	43.96	OK	OK	OK	OK	83.2	83.5	83.1	80.7	80.5	80.8
144	25	R0050120402017 3644	>2000	>2000	>2000	43.97	43.96	43.96	OK	OK	OK	OK	82.8	83.2	83.1	80.5	81.6	81.5
145	25	R0050120402017 3645	>2000	>2000	>2000	43.94	43.98	43.92	OK	OK	OK	OK	83.5	83.1	83.2	81.0	80.8	80.6
146	25	R0050120402017 3646	>2000	>2000	>2000	43.98	43.90	43.99	OK	OK	OK	OK	83.3	83.7	83.7	81.1	81.2	81.0
147	25	R0050120402017 3647	>2000	>2000	>2000	43.92	43.92	43.94	OK	OK	OK	OK	83.0	83.4	83.7	80.6	81.5	81.0
148	25	R0050120402017 3648	>2000	>2000	>2000	43.91	44.08	43.93	OK	OK	OK	OK	82.9	82.8	83.2	81.6	81.1	80.9
149	25	R0050120402017 3649	>2000	>2000	>2000	44.08	43.92	44.02	OK	OK	OK	OK	83.0	83.5	83.7	81.4	80.5	81.5
150	25	R0050120402017 3650	>2000	>2000	>2000	43.90	43.91	44.08	OK	OK	OK	OK	83.0	82.9	83.4	81.2	81.1	81.6
151	25	R0050120402017 3651	>2000	>2000	>2000	43.96	43.92	44.05	OK	OK	OK	OK	82.9	83.2	83.6	81.4	81.5	81.2
152	25	R0050120402017 3652	>2000	>2000	>2000	43.93	44.09	44.07	OK	OK	OK	OK	83.5	82.9	83.1	81.5	81.3	81.2
153	25	R0050120402017 3653	>2000	>2000	>2000	44.03	44.08	44.01	OK	OK	OK	OK	83.5	83.4	82.8	80.8	81.3	80.6
154	25	R0050120402017 3654	>2000	>2000	>2000	44.04	44.06	44.10	OK	OK	OK	OK	83.1	83.2	83.3	80.7	81.6	80.7
155	25	R0050120402017 3655	>2000	>2000	>2000	43.98	44.06	44.00	OK	OK	OK	OK	83.5	82.8	83.1	81.3	81.2	80.7
156	25	R0050120402017 3656	>2000	>2000	>2000	44.08	44.05	44.02	OK	OK	OK	OK	83.0	82.8	83.3	81.3	81.4	81.6
157	25	R0050120402017 3657	>2000	>2000	>2000	43.96	44.04	44.06	OK	OK	OK	OK	83.4	83.0	83.0	81.6	80.7	80.9
158	25	R0050120402017 3658	>2000	>2000	>2000	43.92	44.04	44.04	OK	OK	OK	OK	82.9	83.4	82.8	81.3	81.4	81.2
159	25	R0050120402017 3659	>2000	>2000	>2000	44.03	43.97	43.90	OK	OK	OK	OK	82.9	83.6	83.7	81.3	80.7	81.2
160	25	R0050120402017 3660	>2000	>2000	>2000	43.92	44.06	44.06	OK	OK	OK	OK	83.2	83.4	83.7	81.3	80.5	80.7

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST at 30 °C			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 °C					
						1U-1V	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV		HV (In ohm)			LV (P-P)(In milliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
161	25	R0050120402017 3661	>2000	>2000	>2000	44.10	44.00	44.10	OK	OK	OK	OK	83.5	83.7	82.8	81.4	80.6	81.2
162	25	R0050120402017 3662	>2000	>2000	>2000	43.95	43.93	43.91	OK	OK	OK	OK	83.6	82.9	83.2	81.1	80.5	81.4
163	25	R0050120402017 3663	>2000	>2000	>2000	43.95	44.08	44.06	OK	OK	OK	OK	83.4	83.0	82.9	80.9	81.0	81.5
164	25	R0050120402017 3664	>2000	>2000	>2000	44.10	43.99	44.03	OK	OK	OK	OK	83.5	83.6	83.3	80.5	81.2	81.3
165	25	R0050120402017 3665	>2000	>2000	>2000	44.00	43.95	44.08	OK	OK	OK	OK	83.4	83.1	83.8	81.0	80.7	80.8
166	25	R0050120402017 3666	>2000	>2000	>2000	44.01	44.04	43.98	OK	OK	OK	OK	83.0	83.0	83.3	81.3	80.6	80.9
167	25	R0050120402017 3667	>2000	>2000	>2000	43.90	44.04	43.92	OK	OK	OK	OK	83.1	83.0	83.0	80.9	81.3	80.6
168	25	R0050120402017 3668	>2000	>2000	>2000	43.91	43.98	44.07	OK	OK	OK	OK	83.0	83.5	83.6	81.3	81.0	81.1
169	25	R0050120402017 3669	>2000	>2000	>2000	43.98	43.93	43.94	OK	OK	OK	OK	83.2	83.6	83.4	80.8	80.7	80.9
170	25	R0050120402017 3670	>2000	>2000	>2000	43.90	43.90	43.95	OK	OK	OK	OK	83.1	83.6	82.8	80.7	80.7	80.6
171	25	R0050120402017 3671	>2000	>2000	>2000	44.00	43.98	44.07	OK	OK	OK	OK	83.0	83.8	83.2	81.2	80.9	81.5
172	25	R0050120402017 3672	>2000	>2000	>2000	44.09	43.93	44.05	OK	OK	OK	OK	82.9	83.7	83.7	81.0	81.1	80.7
173	25	R0050120402017 3673	>2000	>2000	>2000	44.08	43.99	44.00	OK	OK	OK	OK	83.1	83.6	83.4	81.5	81.5	81.6
174	25	R0050120402017 3674	>2000	>2000	>2000	44.09	44.03	44.09	OK	OK	OK	OK	83.4	83.5	83.0	80.7	81.5	80.8
175	25	R0050120402017 3675	>2000	>2000	>2000	44.02	44.04	44.00	OK	OK	OK	OK	82.9	82.7	83.4	81.1	81.0	80.8
176	25	R0050120402017 3676	>2000	>2000	>2000	44.06	43.93	44.04	OK	OK	OK	OK	83.1	83.2	83.5	80.6	81.0	80.6
177	25	R0050120402017 3677	>2000	>2000	>2000	44.10	43.91	44.09	OK	OK	OK	OK	83.1	83.6	83.6	80.7	81.1	81.1
178	25	R0050120402017 3678	>2000	>2000	>2000	43.92	43.92	44.05	OK	OK	OK	OK	83.4	83.3	83.0	80.8	81.1	80.6
179	25	R0050120402017 3679	>2000	>2000	>2000	44.03	43.99	44.06	OK	OK	OK	OK	83.5	83.5	83.3	80.6	81.4	81.5
180	25	R0050120402017 3680	>2000	>2000	>2000	44.06	44.08	43.99	OK	OK	OK	OK	83.8	83.7	83.1	81.1	81.5	81.5
181	25	R0050120402017 3681	>2000	>2000	>2000	44.02	43.99	44.10	OK	OK	OK	OK	83.6	83.2	83.3	81.6	80.5	81.0
182	25	R0050120402017 3682	>2000	>2000	>2000	44.03	43.94	43.97	OK	OK	OK	OK	83.7	82.8	83.7	81.2	81.5	81.4
183	25	R0050120402017 3683	>2000	>2000	>2000	44.06	44.10	44.06	OK	OK	OK	OK	83.3	83.1	83.3	81.5	81.1	80.9
184	25	R0050120402017 3684	>2000	>2000	>2000	44.00	44.00	44.10	OK	OK	OK	OK	83.7	83.5	83.0	81.3	81.6	81.6
185	25	R0050120402017 3685	>2000	>2000	>2000	43.94	44.03	44.09	OK	OK	OK	OK	83.1	83.4	83.0	81.0	81.6	81.4
186	25	R0050120402017 3686	>2000	>2000	>2000	44.09	44.10	44.05	OK	OK	OK	OK	83.2	82.7	83.7	80.5	81.1	81.5
187	25	R0050120402017 3687	>2000	>2000	>2000	44.02	43.98	44.00	OK	OK	OK	OK	83.6	83.4	83.7	81.2	81.1	80.9
188	25	R0050120402017 3688	>2000	>2000	>2000	43.93	44.00	44.07	OK	OK	OK	OK	83.7	83.4	83.5	80.9	80.8	81.6
189	25	R0050120402017 3689	>2000	>2000	>2000	44.02	44.10	44.02	OK	OK	OK	OK	82.9	82.7	83.0	81.5	81.5	80.6
190	25	R0050120402017 3690	>2000	>2000	>2000	44.07	43.90	43.95	OK	OK	OK	OK	83.2	83.6	83.2	81.1	81.5	80.8
191	25	R0050120402017 3691	>2000	>2000	>2000	43.91	44.10	43.98	OK	OK	OK	OK	83.2	83.0	83.1	81.1	81.6	81.2
192	25	R0050120402017 3692	>2000	>2000	>2000	43.95	43.97	43.96	OK	OK	OK	OK	82.8	83.0	83.5	80.8	81.3	80.7
193	25	R0050120402017 3693	>2000	>2000	>2000	44.04	43.98	43.97	OK	OK	OK	OK	82.8	83.4	83.1	81.5	80.7	81.3
194	25	R0050120402017 3694	>2000	>2000	>2000	44.04	44.00	43.93	OK	OK	OK	OK	83.1	83.4	83.0	80.8	80.9	80.8
195	25	R0050120402017 3695	>2000	>2000	>2000	44.02	43.93	43.91	OK	OK	OK	OK	83.7	83.4	83.3	81.2	80.8	81.0
196	25	R0050120402017 3696	>2000	>2000	>2000	43.93	44.01	43.92	OK	OK	OK	OK	82.9	83.5	83.4	80.6	80.9	81.6
197	25	R0050120402017 3697	>2000	>2000	>2000	44.10	43.91	44.08	OK	OK	OK	OK	82.9	83.3	83.7	80.8	81.2	80.9
198	25	R0050120402017 3698	>2000	>2000	>2000	43.93	44.09	44.08	OK	OK	OK	OK	82.8	82.8	83.7	80.9	80.6	81.3
199	25	R0050120402017 3699	>2000	>2000	>2000	44.04	44.03	43.90	OK	OK	OK	OK	83.8	82.7	83.1	80.7	80.5	80.7
200	25	R0050120402017 3700	>2000	>2000	>2000	43.90	44.07	44.01	OK	OK	OK	OK	82.9	83.6	82.9	81.2	81.0	81.2

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST at 30 °C			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 °C					
						1U-1V	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV		HV (In ohm)			LV (P-P)(In miliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
201	25	R0050120402017 3701	>2000	>2000	>2000	44.03	44.04	44.10	OK	OK	OK	OK	83.2	83.4	83.2	80.6	80.5	81.4
202	25	R0050120402017 3702	>2000	>2000	>2000	43.94	43.99	43.96	OK	OK	OK	OK	83.2	83.0	82.9	81.0	81.2	80.8
203	25	R0050120402017 3703	>2000	>2000	>2000	44.10	43.94	44.05	OK	OK	OK	OK	83.8	83.2	83.0	81.3	81.3	81.4
204	25	R0050120402017 3704	>2000	>2000	>2000	44.10	44.01	44.08	OK	OK	OK	OK	83.6	83.4	83.3	81.3	80.9	81.4
205	25	R0050120402017 3705	>2000	>2000	>2000	43.92	44.02	44.07	OK	OK	OK	OK	83.0	83.1	83.2	80.7	80.7	81.1
206	25	R0050120402017 3706	>2000	>2000	>2000	44.08	43.90	44.07	OK	OK	OK	OK	83.1	83.0	83.4	81.4	81.2	81.5
207	25	R0050120402017 3707	>2000	>2000	>2000	44.06	43.99	44.07	OK	OK	OK	OK	83.1	83.5	83.2	81.4	80.7	81.4
208	25	R0050120402017 3708	>2000	>2000	>2000	43.94	43.94	44.05	OK	OK	OK	OK	82.9	82.8	83.3	81.3	80.5	80.7
209	25	R0050120402017 3709	>2000	>2000	>2000	44.10	44.05	44.07	OK	OK	OK	OK	83.2	83.3	82.9	80.6	80.7	81.0
210	25	R0050120402017 3710	>2000	>2000	>2000	43.99	43.94	44.07	OK	OK	OK	OK	83.5	83.0	83.5	81.1	81.6	81.2
211	25	R0050120402017 3711	>2000	>2000	>2000	44.03	44.03	44.01	OK	OK	OK	OK	83.4	83.7	83.0	81.3	80.8	80.9
212	25	R0050120402017 3712	>2000	>2000	>2000	44.02	43.98	43.95	OK	OK	OK	OK	83.8	83.6	83.1	80.8	80.9	80.8
213	25	R0050120402017 3713	>2000	>2000	>2000	44.10	43.90	43.93	OK	OK	OK	OK	82.9	83.7	82.8	81.0	81.1	81.6
214	25	R0050120402017 3714	>2000	>2000	>2000	43.99	43.92	43.91	OK	OK	OK	OK	83.1	82.8	83.1	81.4	81.1	80.6
215	25	R0050120402017 3715	>2000	>2000	>2000	44.09	43.98	43.91	OK	OK	OK	OK	82.9	82.9	82.9	81.5	81.3	81.3
216	25	R0050120402017 3716	>2000	>2000	>2000	44.06	43.98	43.96	OK	OK	OK	OK	82.8	83.7	83.0	81.3	81.2	81.1
217	25	R0050120402017 3717	>2000	>2000	>2000	44.07	43.94	44.05	OK	OK	OK	OK	83.2	83.5	82.9	80.9	81.4	80.9
218	25	R0050120402017 3718	>2000	>2000	>2000	44.09	43.99	43.98	OK	OK	OK	OK	83.2	83.2	82.8	81.5	80.9	81.2
219	25	R0050120402017 3719	>2000	>2000	>2000	44.04	44.03	43.03	OK	OK	OK	OK	83.0	82.8	83.0	81.6	81.0	80.9
220	25	R0050120402017 3720	>2000	>2000	>2000	44.04	44.09	44.04	OK	OK	OK	OK	83.4	82.8	83.8	81.5	80.8	80.8
221	25	R0050120402017 3721	>2000	>2000	>2000	44.01	44.00	43.92	OK	OK	OK	OK	83.3	83.8	83.3	80.7	81.2	81.0
222	25	R0050120402017 3722	>2000	>2000	>2000	44.00	43.98	43.97	OK	OK	OK	OK	83.2	83.5	83.0	81.1	81.0	81.1
223	25	R0050120402017 3723	>2000	>2000	>2000	43.91	44.10	43.97	OK	OK	OK	OK	83.4	83.1	83.2	81.4	80.6	80.6
224	25	R0050120402017 3724	>2000	>2000	>2000	44.05	43.93	43.97	OK	OK	OK	OK	83.3	83.0	82.9	81.4	80.5	81.0
225	25	R0050120402017 3725	>2000	>2000	>2000	43.97	43.93	44.10	OK	OK	OK	OK	82.7	83.6	83.1	81.4	81.5	81.1
226	25	R0050120402017 3726	>2000	>2000	>2000	44.02	43.97	43.93	OK	OK	OK	OK	83.7	83.7	83.6	80.7	80.6	80.6
227	25	R0050120402017 3727	>2000	>2000	>2000	43.93	43.97	44.10	OK	OK	OK	OK	83.1	83.6	82.8	81.1	80.7	81.5
228	25	R0050120402017 3728	>2000	>2000	>2000	43.91	44.08	43.96	OK	OK	OK	OK	83.2	83.4	83.7	81.2	80.9	81.1
229	25	R0050120402017 3729	>2000	>2000	>2000	43.90	43.97	43.94	OK	OK	OK	OK	82.9	83.6	82.9	80.7	81.1	80.8
230	25	R0050120402017 3730	>2000	>2000	>2000	43.92	44.10	44.03	OK	OK	OK	OK	83.6	83.6	83.1	81.5	81.1	81.6
231	25	R0050120402017 3731	>2000	>2000	>2000	44.04	43.95	43.96	OK	OK	OK	OK	83.3	83.3	82.9	80.9	80.7	81.3
232	25	R0050120402017 3732	>2000	>2000	>2000	43.92	44.00	43.90	OK	OK	OK	OK	82.7	82.9	83.2	80.7	81.0	81.0
233	25	R0050120402017 3733	>2000	>2000	>2000	44.02	43.90	43.94	OK	OK	OK	OK	83.1	82.9	82.9	80.5	81.3	80.5
234	25	R0050120402017 3734	>2000	>2000	>2000	43.95	43.90	44.02	OK	OK	OK	OK	83.2	83.5	83.5	80.8	81.5	81.2
235	25	R0050120402017 3735	>2000	>2000	>2000	44.10	43.97	43.94	OK	OK	OK	OK	83.3	83.0	83.1	80.7	81.2	80.5
236	25	R0050120402017 3736	>2000	>2000	>2000	43.97	43.97	43.94	OK	OK	OK	OK	82.8	83.2	83.6	81.1	81.3	80.9
237	25	R0050120402017 3737	>2000	>2000	>2000	44.08	44.01	44.01	OK	OK	OK	OK	83.0	83.4	83.6	81.1	81.6	81.2
238	25	R0050120402017 3738	>2000	>2000	>2000	44.01	44.10	44.07	OK	OK	OK	OK	83.3	83.6	83.4	80.5	80.7	81.3
239	25	R0050120402017 3739	>2000	>2000	>2000	43.93	43.93	44.10	OK	OK	OK	OK	83.3	83.0	83.3	81.3	80.7	81.1
240	25	R0050120402017 3740	>2000	>2000	>2000	44.05	43.97	43.98	OK	OK	OK	OK	83.5	83.0	82.9	81.6	80.5	80.5

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKJ Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 °C					
			at 30 °C			1U-1V	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV		HV (In ohm)			LV (P-P)(In miliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
241	25	R0050120402017 3741	>2000	>2000	>2000	43.94	44.09	43.92	OK	OK	OK	OK	83.0	83.5	83.1	80.7	80.8	81.2
242	25	R0050120402017 3742	>2000	>2000	>2000	44.02	44.06	43.90	OK	OK	OK	OK	83.1	83.8	82.8	80.8	81.4	80.9
243	25	R0050120402017 3743	>2000	>2000	>2000	44.00	44.08	44.03	OK	OK	OK	OK	83.7	83.1	82.8	80.8	81.3	81.0
244	25	R0050120402017 3744	>2000	>2000	>2000	43.92	43.95	44.01	OK	OK	OK	OK	83.0	82.9	82.7	81.0	80.5	80.5
245	25	R0050120402017 3745	>2000	>2000	>2000	43.98	43.95	43.96	OK	OK	OK	OK	83.6	83.0	83.7	81.5	81.1	81.0
246	25	R0050120402017 3746	>2000	>2000	>2000	43.97	43.91	44.03	OK	OK	OK	OK	83.7	83.8	83.4	81.3	80.6	80.8
247	25	R0050120402017 3747	>2000	>2000	>2000	43.93	43.97	44.04	OK	OK	OK	OK	83.7	82.8	83.2	80.9	81.5	80.6
248	25	R0050120402017 3748	>2000	>2000	>2000	43.92	44.01	44.01	OK	OK	OK	OK	83.0	83.1	83.1	80.9	80.7	80.7
249	25	R0050120402017 3749	>2000	>2000	>2000	43.92	44.06	43.97	OK	OK	OK	OK	83.5	83.5	83.5	80.8	81.0	81.3
250	25	R0050120402017 3750	>2000	>2000	>2000	43.93	43.97	44.01	OK	OK	OK	OK	82.9	83.1	82.8	80.9	81.6	80.8
251	25	R0050120402017 3751	>2000	>2000	>2000	44.10	44.06	43.92	OK	OK	OK	OK	83.0	83.2	82.7	80.8	80.8	81.3
252	25	R0050120402017 3752	>2000	>2000	>2000	43.90	44.00	44.10	OK	OK	OK	OK	83.0	83.5	83.8	81.4	81.4	80.7
253	25	R0050120402017 3753	>2000	>2000	>2000	44.01	44.01	44.10	OK	OK	OK	OK	83.5	82.9	82.9	80.9	81.3	81.0
254	25	R0050120402017 3754	>2000	>2000	>2000	44.04	43.97	43.95	OK	OK	OK	OK	83.4	83.4	83.2	81.0	81.0	81.0
255	25	R0050120402017 3755	>2000	>2000	>2000	44.06	44.09	43.91	OK	OK	OK	OK	83.7	83.8	83.1	81.5	80.5	81.3
256	25	R0050120402017 3756	>2000	>2000	>2000	43.96	43.93	43.97	OK	OK	OK	OK	83.7	82.9	83.6	81.4	80.7	81.3
257	25	R0050120402017 3757	>2000	>2000	>2000	44.00	43.94	43.97	OK	OK	OK	OK	82.9	83.0	83.3	80.6	81.1	81.4
258	25	R0050120402017 3758	>2000	>2000	>2000	43.91	43.97	44.01	OK	OK	OK	OK	83.0	82.9	83.6	81.2	80.5	80.6
259	25	R0050120402017 3759	>2000	>2000	>2000	43.99	44.04	44.10	OK	OK	OK	OK	83.7	83.0	82.8	81.5	80.8	80.6
260	25	R0050120402017 3760	>2000	>2000	>2000	44.01	43.90	44.08	OK	OK	OK	OK	83.3	83.0	83.1	81.1	81.5	81.3
261	25	R0050120402017 3761	>2000	>2000	>2000	43.92	43.92	44.04	OK	OK	OK	OK	82.9	82.9	83.4	80.7	81.2	81.2
262	25	R0050120402017 3762	>2000	>2000	>2000	43.96	43.90	43.93	OK	OK	OK	OK	83.4	83.4	82.8	81.4	81.6	81.1
263	25	R0050120402017 3763	>2000	>2000	>2000	44.01	44.06	44.10	OK	OK	OK	OK	83.2	83.3	83.8	80.9	81.5	81.6
264	25	R0050120402017 3764	>2000	>2000	>2000	43.96	43.98	43.93	OK	OK	OK	OK	82.7	83.7	82.8	80.8	80.8	80.8
265	25	R0050120402017 3765	>2000	>2000	>2000	44.02	44.03	43.96	OK	OK	OK	OK	83.6	82.9	83.0	81.0	80.8	80.8
266	25	R0050120402017 3766	>2000	>2000	>2000	44.02	44.01	43.96	OK	OK	OK	OK	83.2	83.5	83.7	80.6	81.1	80.8
267	25	R0050120402017 3767	>2000	>2000	>2000	44.09	44.05	44.05	OK	OK	OK	OK	82.7	82.9	83.0	81.5	81.6	80.7
268	25	R0050120402017 3768	>2000	>2000	>2000	43.94	43.90	44.09	OK	OK	OK	OK	82.9	82.7	83.4	81.3	81.5	81.2
269	25	R0050120402017 3769	>2000	>2000	>2000	44.02	43.99	44.06	OK	OK	OK	OK	83.5	83.5	83.3	80.5	81.6	80.6
270	25	R0050120402017 3770	>2000	>2000	>2000	44.09	44.02	43.98	OK	OK	OK	OK	83.7	83.2	83.6	81.2	81.2	80.9
271	25	R0050120402017 3771	>2000	>2000	>2000	44.05	44.10	44.10	OK	OK	OK	OK	83.2	83.4	83.5	80.8	81.1	81.1
272	25	R0050120402017 3772	>2000	>2000	>2000	44.04	44.06	43.97	OK	OK	OK	OK	82.7	82.8	83.8	81.2	81.5	81.6
273	25	R0050120402017 3773	>2000	>2000	>2000	43.98	44.08	43.95	OK	OK	OK	OK	83.2	83.1	82.7	81.2	81.2	81.3
274	25	R0050120402017 3774	>2000	>2000	>2000	43.97	44.06	43.93	OK	OK	OK	OK	83.7	83.0	82.8	81.3	80.5	81.1
275	25	R0050120402017 3775	>2000	>2000	>2000	43.92	44.10	43.99	OK	OK	OK	OK	82.9	82.7	83.3	80.5	81.0	81.2
276	25	R0050120402017 3776	>2000	>2000	>2000	43.98	44.01	43.93	OK	OK	OK	OK	83.7	82.8	83.2	80.6	81.3	81.6
277	25	R0050120402017 3777	>2000	>2000	>2000	44.04	44.02	43.99	OK	OK	OK	OK	83.1	83.3	82.8	80.8	80.9	80.9
278	25	R0050120402017 3778	>2000	>2000	>2000	43.94	43.97	44.02	OK	OK	OK	OK	83.5	82.8	83.1	81.4	80.5	80.5
279	25	R0050120402017 3779	>2000	>2000	>2000	43.96	44.03	44.07	OK	OK	OK	OK	83.1	83.7	83.7	81.5	80.9	81.6
280	25	R0050120402017 3780	>2000	>2000	>2000	43.97	44.07	43.94	OK	OK	OK	OK	83.5	82.8	83.6	81.2	81.0	81.4

For R K Industries, Bareilly

Testing Engineer

R K Industries, Bareilly

INTERNAL

TEST RESULT OF 11/0.433 KV DISTRIBUTION TRANSFORMERS

25 KVA,3 PHASE (LEVEL-II), TRANSFORMER, AGAINST LOI No.1563/SE(MM) MVVNL/MEDCO/2040/2017/25 KVA TF/RKI Dated 25.07.2017

Sl. No.	Capacity	Unique	INSULATION RESISTANCE TEST at 30 ^{0}C			TURN RATIO & POLARITY TEST				SEPARATE SOURCES TEST		DVDF TEST 866 V ,100 Hz for 60 sec.	WINDING RESISTANCE TEST at 30 ^{0}C					
						1U-1V	1V-1W	1W-1U	Polarity & Phase Sequence	HV	LV		HV (In ohm)			LV (P-P)(In miliohm		
			LV/E	HV/E	HV/LV	2U-2N	2V-2N	2W-2N		28 kV for 60 sec.	3 kV for 60 sec.		1U-1V	1V-1W	1W-1U	2u-2v	2v-2w	2u-2v
281	25	R0050120402017 3781	>2000	>2000	>2000	43.99	44.01	43.94	OK	OK	OK	OK	83.0	83.4	83.7	80.5	80.7	80.6
282	25	R0050120402017 3782	>2000	>2000	>2000	43.99	43.93	43.96	OK	OK	OK	OK	83.5	83.5	83.1	81.6	81.5	80.9
283	25	R0050120402017 3783	>2000	>2000	>2000	43.95	43.98	43.99	OK	OK	OK	OK	83.1	82.8	82.8	80.7	81.3	80.8
284	25	R0050120402017 3784	>2000	>2000	>2000	43.91	43.96	43.92	OK	OK	OK	OK	82.7	83.1	83.1	80.5	81.5	81.3
285	25	R0050120402017 3785	>2000	>2000	>2000	44.05	44.05	44.09	OK	OK	OK	OK	83.1	83.8	83.3	80.8	81.3	80.9
286	25	R0050120402017 3786	>2000	>2000	>2000	44.07	43.96	43.96	OK	OK	OK	OK	83.5	83.0	83.6	80.9	80.6	81.5
287	25	R0050120402017 3787	>2000	>2000	>2000	44.08	43.97	43.99	OK	OK	OK	OK	83.2	83.5	83.6	81.0	80.8	81.5
288	25	R0050120402017 3788	>2000	>2000	>2000	43.94	44.08	44.06	OK	OK	OK	OK	82.9	83.7	82.8	81.0	81.5	81.0
289	25	R0050120402017 3789	>2000	>2000	>2000	43.90	44.02	44.06	OK	OK	OK	OK	83.3	83.4	83.1	81.3	81.2	80.6
290	25	R0050120402017 3790	>2000	>2000	>2000	44.05	44.01	43.92	OK	OK	OK	OK	83.8	83.5	82.9	80.9	81.5	80.9
291	25	R0050120402017 3791	>2000	>2000	>2000	43.92	44.05	44.10	OK	OK	OK	OK	82.9	83.8	83.1	81.2	81.0	80.7
292	25	R0050120402017 3792	>2000	>2000	>2000	44.00	44.04	44.10	OK	OK	OK	OK	83.2	83.6	83.3	80.7	81.1	81.0
293	25	R0050120402017 3793	>2000	>2000	>2000	43.90	44.10	44.04	OK	OK	OK	OK	82.7	83.2	83.0	81.2	80.6	81.4
294	25	R0050120402017 3794	>2000	>2000	>2000	43.96	43.96	44.10	OK	OK	OK	OK	83.3	83.8	83.7	80.9	81.0	81.2
295	25	R0050120402017 3795	>2000	>2000	>2000	43.97	44.00	43.93	OK	OK	OK	OK	83.2	83.1	83.0	81.3	81.6	81.3
296	25	R0050120402017 3796	>2000	>2000	>2000	43.92	44.01	44.05	OK	OK	OK	OK	83.6	83.7	83.0	81.4	81.6	81.0
297	25	R0050120402017 3797	>2000	>2000	>2000	44.05	43.91	43.91	OK	OK	OK	OK	83.0	83.7	83.1	80.9	81.6	81.0
298	25	R0050120402017 3798	>2000	>2000	>2000	44.10	44.02	44.01	OK	OK	OK	OK	83.0	83.4	83.4	81.1	81.5	81.1
299	25	R0050120402017 3799	>2000	>2000	>2000	43.98	43.98	44.08	OK	OK	OK	OK	83.7	82.7	83.7	81.6	81.1	81.1
300	25	R0050120402017 3800	>2000	>2000	>2000	44.03	43.91	43.99	OK	OK	OK	OK	83.3	83.5	83.0	81.6	81.2	81.3

CALIBRATION STATUS : All the mearuring instruments are found calibrated.

NO LOAD CURRENTAT 90 % & 100 % : Within permissable limit.

UNBALANCING CURRENT : Within permissable limit.

MAGNETIC BALANCE TEST : Within permissable limit.

OIL LEAKAGE/AIR PRESSURE TEST : Conducted as per specification and found O.K.

VECTOR GROUP (Dyn-11) TEST : Conducted as per specification and found O.K.

For R K Industries, Bareilly

Testing Engineer

M/S R K INDDUSTRIES,

(A UNIT OF S R CHADDHA INDUSTREIS LTD.)

CALIBRATION STATUS OF TESTING INSTRUMENTS

S.No.	Name of Equipment	Model	SL No. Of Equipment	RANGE	Certificate no.	CALIBRATION		NABL (Yes//No)	Remark
						On Dated	Valid upto		
1	Analog Vernier Caliper	Aerospace	N/A	0-150 mm	CI/2K17-2K18/08/ME346	21.08.2017	20.08.2018	Yes	
2	Measuring Tape	IND/09/00/189	NA	0-5000 mm	CI/2K17-2K18/08/ME350	21.08.2017	20.08.2018	Yes	
3	Steel Scale	Omega	N/A	0 to 600 mm	CI/2K17-2K18/08/ME355	21.08.2017	20.08.2018	Yes	
4	Digital Micro Ohm meter	LR2045-S	A01797C14	Up to 2000 mΩ	CI/2K17-2K18/08/ET626	21.08.2017	20.08.2018	Yes	
5	Insulation Tester	ESCORP	92837	0 to 5000 MΩ	CI/2K17-2K18/08/ET625	21.08.2017	20.08.2018	Yes	
6	Vaccum Gauge	VIGA	N/A	0 -760 mmHg	CI/2K17-2K18/08/ME352	21.08.2017	20.08.2018	Yes	
7	Pressure Gauge	H-Guru	N/A	0-2 Kg/sq.c.m.	CI/2K17-2K18/08/ME353	21.08.2017	20.08.2018	Yes	
8	Mili Ampere Meter	ESCORP	N/A	0-500 mA	CI/2K17-2K18/08/ET621	21.08.2017	20.08.2018	Yes	
9	AC Ampere Meter	Diplomate	N/A	0 - 10 A	CI/2K17-2K18/08/ET617	21.08.2017	20.08.2018	Yes	
10	AC Ampere Meter	Diplomate	N/A	0 - 10 A	CI/2K17-2K18/08/ET618	21.08.2017	20.08.2018	Yes	
11	AC Ampere Meter	Diplomate	N/A	0 - 10 A	CI/2K17-2K18/08/ET616	21.08.2017	20.08.2018	Yes	
12	AC Ampere Meter	Diplomate	N/A	0 - 10 A	CI/2K17-2K18/08/ET619	21.08.2017	20.08.2018	Yes	
13	Turn Ratio Meter	612	1080	NA	CI/2K17-2K18/08/ET632	21.08.2017	20.08.2018	Yes	
14	kV Meter	ESCORP	N/A	0-30 kV	CI/2K17-2K18/08/ET615	21.08.2017	20.08.2018	Yes	
15	AC VOLT Meter	ESCORP	N/A	0 to 1000 V	CI/2K17-2K18/08/ET620	21.08.2017	20.08.2018	Yes	
16	Digital Frequency Meter	ESCORP	N/A	0-99.99 Hz	CI/2K17-2K18/08/ET622	21.08.2017	20.08.2018	Yes	
17	Weighing Machine	Maheswari	16011604	2000 Kg	055760	14.10.2017	13.10.2018	NO	Govt.
18	Weighing Machine	Maheswari	16011620	500 Kg		14.10.2017	13.10.2018	NO	
19	Three Phase Power Analyzer	PA600	PA00384	0 to 600 V,0 to 80 A,0 to 48000W	CI/2K17-2K18/08/ET624	21.08.2017	20.08.2018	Yes	
20	Analog Micrometer	Insize	140562733	0 to 25 mm	CI/2K17-2K18/08/ME349	21.08.2017	20.08.2018	Yes	

For R K Inddustries,

(Testing Engineer)