

PRASANNA ELECTROTECH

Mfg. of: Current Transformers, Potential Transformers,
Chokes & Control Transformres, H.T. & L.T, Feeder Pillers & C.R. Panels.

Plot No. D-75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7 Ph No. 0253-2350751

CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Customer : Delta Enterprises.;Loction no.19

CONTRACTOR :- Shree Dhananjay Electricals.

Rated CT Ratio : 25/5 Amp.

Pol : P1

STC Rating : 13.1kA For 1 Sec.

HSV/Insulation Level : 36/70/170 kV

Rated output: CORE :15 VA@0.8 P.F., Class : 0.2S

SPECT No :-- IS 16277

ISF < 5

Frame : 330D METERING CT

Core No. I

CORE - SERIAL NOS			SV/WM/1516		SV/WM/1517		SV/WM/1518			
RATIO			25/5 A		25/5 A		25/5 A			
Rated Burden		% Of Rated	Current	Phase	Current	Phase	Current	Phase		
VA	PF	Prim Current	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)		
15	0.8	1%	-0.262	11.1	-0.039	11.47	-0.076	15.51		
		5%	-0.16	9.81	-0.125	7.92	-0.177	10.97		
		20%	-0.157	4.04	-0.131	3.92	-0.176	4.42		
		100%	-0.095	1.05	-0.087	1.26	-0.104	1.2		
		120%	-0.0962	1.57	-0.087	1.61	-0.106	1.88		
3.75	1.0	1%	0.082	6.33	0.103	5.64	0.087	6.86		
		5%	0.016	5.12	0.009	3.93	0.019	5.56		
		20%	-0.023	3.56	-0.018	2.86	-0.027	3.87		
		100%	-0.031	1.78	-0.027	1.25	-0.035	1.79		
		120%	-0.03	1.83	-0.026	1.18	-0.033	1.84		

Polycarbonate seal is on Job No. 1516– seal no. -UTD NSK 066816

Polycarbonate seal is on Job No. 1517– seal no. -UTD NSK 066817

Polycarbonate seal is on Job No. 1518– seal no. -UTD NSK 066818

Ratio	-		-		-	
Current Error @ Rated Primery Current 100%	-	-	-	-	-	-
Phase Displacement @ Rated Current Min	-	-	-	-	-	-
Composite Error @ Rated ALF Current %	-	-	-	-	-	-
P.D. Value @ KV	-	-	-	-	-	-
Rct @ 75°C	-	-	-	-	-	-
Iext @ vK	-	-	-	-	-	-
VK >	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

Over Voltage Inter Turn Test : OK

ISF. Test On Core No.

Pol. Test : OK

HV Power Frequency Test ON	Prim. To Frame & Earth :70 Sec. To Frame & Earth	KV for 1 Min 3000 V For 1 Min	Ok Ok
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Room Temp : 25'C

Witnessed By

MR.A.P.Deshmukh

EXE.ENGINEER TESTING DIV.

MSEDCL,NASHIK.

For PRASANNA ELECTROTECH

Tested By : Mr. S.Jadav
Date Of Test - 25-09-20



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STC Rating : 13.1kA For 1 Sec.

Rated output: CORE :15 VA@0.8 P.F., Class : 0.2S

Pol : P1

HSV/Insulation Level : 36/70/170 KV

SPECT No :--

IS 16277

ISF < 5

Frame : 33OD METERING CT

Core No. I

CORE - SERIAL NOS		SV/WM/1519		SV/WM/1520		SV/WM/1521			
RATIO		25/5 A		25/5 A		25/5 A			
Rated Burden	% Of Rated	Current	Phase	Current	Phase	Current	Phase		
VA	PF	Prim Current	Error %	Displacement (MIN)	Error %	Displacement (MIN)	Error %	Displacement (MIN)	
15	0.8	1%	-0.091	14.43	0.086	15.07	-0.071	14.05	
		5%	-0.166	10.47	-0.027	9.77	-0.145	11.46	
		20%	-0.162	4.01	-0.016	3.79	-0.168	7.67	
		100%	-0.096	1.3	0.018	3.82	-0.141	5.01	
		120%	-0.104	2.37	0.002	5.45	-0.148	5.8	
3.75	1.0	1%	0.095	7.12	0.298	7.41	0.105	6.47	
		5%	0.013	5.47	0.201	5.57	0.012	4.8	
		20%	-0.026	3.67	0.156	3.68	-0.011	3.95	
		100%	-0.033	1.51	0.153	1.36	-0.032	1.86	
		120%	-0.031	1.48	0.154	1.38	-0.03	1.82	

Polycarbonate seal is on Job No. 1519– seal no. -UTD NSK 066819

Polycarbonate seal is on Job No. 1520– seal no. -UTD NSK 066820

Polycarbonate seal is on Job No. 1521– seal no. -UTD NSK 066821

Ratio	-	-	-	-	-	-
Current Error @ Rated Primary Current 100%	-	-	-	-	-	-
Phase Displacement @ Rated Current Min	-	-	-	-	-	-
Composite Error @ Rated ALF Current %	-	-	-	-	-	-
P.D. Value @ - KV -	-	-	-	-	-	-
Rct @ 75°C	-	-	-	-	-	-
Iext @ vK	-	-	-	-	-	-
VK >	-	-	-	-	-	-
	-	-	-	-	-	-

Over Voltage Inter Turn Test : OK

ISF. Test On Core No.

Pol. Test : OK

HV Power Frequency
Test ON

Prim. To Frame & Earth :70
Sec. To Frame & Earth

KV for 1 Min

Ok

3000 V For 1 Min

Ok

Room Temp : 25°C

Tested By : Mr. S.Jadhav
Date Of Test - 25-09-20

Witnessed By

M.R.A.P. Deshmukh
EXE.ENGINEER TESTING DIV.
MSEDCL,NASHIK.



PRASANNA ELECTROTECH

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CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Customer : Delta Enterprises, Loction no,37

CONTRACTOR :- Shree Dhananjay Electricals,

Rated CT Ratio : 25/5 Amp.

STC Rating : 13.1kA For 1 Sec.

Rated output: CORE :15 VA@0.8 P.F., Class : 0.2S

Pol : P1

HSV/Insulation Level : 36/70/170 kV

SPECT No : --

IS 16277

ISF < 5

Frame : 33OD METERING CT

Core No, 1

CORE - SERIAL NOS		SV/WM/1522		SV/WM/1523		SV/WM/1524			
RATIO		25/5 A		25/5 A		25/5 A			
Rated Burden	% Of Rated	Current	Phase	Current	Phase	Current	Phase		
VA	PF	Prim Current	Error %	Displacement (MIN)	Error %	Displacement (MIN)	Error %	Displacement (MIN)	
15	0.8	1%	-0.065	11.57	-0.009	20.89	-0.199	23.13	
		5%	-0.045	4.48	-0.097	12.47	-0.308	11.74	
		20%	0.029	2.87	-0.053	5.29	-0.2	3.45	
		100%	0.019	4.22	-0.001	5.45	-0.104	0.37	
		120%	0.299	7.63	0.112	6.82	-0.105	0.91	
3.75	1.0	1%	0.088	4.78	0.121	7	0.0844	11.45	
		5%	0.211	5.98	0.197	7.15	-0.003	9.02	
		20%	0.159	3.83	0.147	4.24	-0.064	4.75	
		100%	0.153	1.46	0.152	1.42	-0.048	1.84	
		120%	0.156	1.61	0.154	1.04	-0.045	2.08	

Polycarbonate seal is on Job No. 1522- seal no. -UTD NSK 066822

Polycarbonate seal is on Job No. 1523- seal no. -UTD NSK 066823

Polycarbonate seal is on Job No. 1524- seal no. -UTD NSK 066824

Ratio	-	-	-	-	-	-
Current Error @ Rated Primary Current 100%	-	-	-	-	-	-
Phase Displacement @ Rated Current Min	-	-	-	-	-	-
Composite Error @ Rated ALF Current %	-	-	-	-	-	-
P.D. Value @ KV	-	-	-	-	-	-
Rct @ 75'C	-	-	-	-	-	-
Iext @ vK	-	-	-	-	-	-
VK >	-	-	-	-	-	-
	-	-	-	-	-	-

Over Voltage Inter Turn Test : OK ISF. Test On Core No. Pol. Test : OK

HV Power Frequency Test ON	Prim. To Frame & Earth :70 Sec. To Frame & Earth	KV for 1 Min 3000 V For 1 Min	Ok Ok
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Room Temp : 25'C 	Witnessed By  MR.A.P.Deshmukh EXE.ENGINEER TESTING DIV. MSEDCL,NASHIK.	For PRASANNA ELECTROTECH  Quality Assurance Dept.
Tested By : Mr. S.Jadhav Date Of Test : 25-09-20		

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CURRENT TRANSFORMER TEST REPORT

NEF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Customer : Delta Enterprises.;Loction no.37

CONTRACTOR :- Shree Dhananjay Electricals.

Rated CT Ratio : 25/5 Amp.

Pol : P1

STC Rating : 13.1kA For 1 Sec.

HSV/Insulation Level : 36/70/170 kV

Rated output: CORE :15 VA@0.8 P.F., Class : 0.2S

SPECT No :-- IS 16277

ISF < 5

Frame : 33OD METERING CT

Core No. I

CORE - SERIAL NOS			SV/WM/1525		SV/WM/1526		SV/WM/1527			
RATIO			25/5 A		25/5 A		25/5 A			
Rated Burden		% Of Rated	Current	Phase	Current	Phase	Current	Phase		
V/A	PF	Prim Current	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)		
15	0.8	1%	-0.006	4.24	-0.02	4.93	-0.008	5.28		
		5%	-0.04	3.8	-0.05	4.48	-0.06	5.12		
		20%	-0.06	2.87	-0.07	3.27	-0.08	3.84		
		100%	-0.05	1.22	-0.05	0.76	-0.06	1.18		
		120%	-0.04	1.13	-0.05	0.63	-0.05	0.87		
3.75	1.0	1%	-0.03	1.46	0.05	2.08	0.05	2.24		
		5%	0.01	1.58	0.016	1.95	0.01	2.18		
		20%	0.06	1.39	0.005	1.76	0.004	2.05		
		100%	-0.004	1.06	-0.01	1.12	-0.008	1.31		
		120%	-0.005	0.99	-0.011	1.0	-0.01	1.19		

Polycarbonate seal is on Job No. 1525- seal no. -UTD NSK 066825

Polycarbonate seal is on Job No. 1526- seal no. -UTD NSK 066826

Polycarbonate seal is on Job No. 1527- seal no. -UTD NSK 066827

Ratio	-			-		
Current Error @ Rated Primary Current 100%	-	-	-	-	-	-
Phase Displacement @ Rated Current Min	-	-	-	-	-	-
Composite Error @ Rated ALF Current %	-	-	-	-	-	-
P.D. Value @ - KV -	-	-	-	-	-	-
Rct @ 75°C	-	-	-	-	-	-
Iext @ uK	-	-	-	-	-	-
VK >	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

Over Voltage Inter Turn Test : OK

ISF. Test On Core No.

Pol. Test : OK

HV Power Frequency
Test ON

Prim. To Frame & Earth :70
Sec. To Frame & Earth

KV for 1 Min

Ok

3000 V For 1 Min

Ok

Room Temp : 25°C

Witnessed By

For PRASANNA ELECTROTECH

MR.A.P.Deshmukh
EXE.ENGINEER TESTING DIV.
MSEDCL,NASHIK.



Tested By : Mr. S.Jadhav
Date Of Test - 25-09-20

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Customer : Delta Enterprises.;Loction no.38

CONTRACTOR :- Shree Dhananjay Electricals.

Rated CT Ratio : 25/5 Amp.

Pol : P1

STC Rating : 13.1kA For 1 Sec.

HSV/Insulation Level : 36/70/170 kV

Rated output: CORE :15 VA@0.8 P.F., Class : 0.2S

SPECT No :--

IS 16277

ISF < 5

Frame : 330D METERING CT

Core No. I

CORE - SERIAL NOS			SV/WM/1528		SV/WM/1529		SV/WM/1530			
RATIO			25/5 A		25/5 A		25/5 A			
Rated Burden		% Of Rated	Current	Phase	Current	Phase	Current	Phase		
VA	PF	Prim Current	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)		
15	0.8	1%	-0.06	7.71	-0.066	7.8	-0.066	7.6		
		5%	-0.102	6.43	-0.094	6.56	-0.09	6.66		
		20%	-0.112	3.66	-0.109	3.72	-0.11	3.87		
		100%	-0.07	0.51	-0.072	0.87	-0.07	0.61		
		120%	-0.06	0.47	-0.07	1.13	-0.06	0.67		
3.75	1.0	1%	0.05	3.64	0.052	3.58	-0.036	3.59		
		5%	0.01	3.37	0.017	3.25	0.012	3.4		
		20%	0.0006	2.77	0.0035	2.74	0.0006	2.74		
		100%	-0.02	1.26	-0.022	1.18	-0.022	1.27		
		120%	-0.02	1.0	-0.023	0.98	-0.02	1.21		

Polycarbonate seal is on Job No. 1528– seal no. -UTD NSK 066828

Polycarbonate seal is on Job No. 1529– seal no. -UTD NSK 066829

Polycarbonate seal is on Job No. 1530– seal no. -UTD NSK 066830

Ratio	-			-		
Current Error @ Rated Primary Current 100%	-			-		
Phase Displacement @ Rated Current Min	-			-		
Composite Error @ Rated ALF Current %	-			-		
P.D. Value @ KV	-			-		
Rct @ 75'C	-			-		
Iext @ vK	-			-		
VK >	-			-		
Over Voltage Inter Turn Test : OK	ISF. Test On Core No.			Pol. Test : OK		
HV Power Frequency Test ON	Prim. To Frame & Earth :70 Sec. To Frame & Earth			KV for 1 Min 3000 V For 1 Min		

Room Temp : 25'C

Witnessed By

MR.A.P.Deshmukh

EXE.ENGINEER TESTING DIV.

MSEDCL,NASHIK.

For PRASANNA ELECTROTECH



Quality Assurance Dept.

Tested By : Mr. S.Jadhav

Date Of Test - 25-09-20

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Pol : P1

STC Rating : 13.1kA For 1 Sec.

HSV/Insulation Level : 36/70/170 kV

Rated output: CORE :15 VA@0.8 P.F., Class : 0.2S

SPECT No :-- IS 16277

ISF < 5

Frame : 33OD METERING CT

Core No. I

CORE - SERIAL NOS		SV/WM/1531		SV/WM/1532		SV/WM/1533			
RATIO		25/5 A		25/5 A		25/5 A			
Rated Burden	% Of Rated	Current	Phase	Current	Phase	Current	Phase		
VA	PF,	Prim Current	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)	Current Error %	Displacement (MIN)	
15	0.8	1%	-0.1	7.45	-0.05	4.68	-0.11	7.52	
		5%	-0.1	6.09	-0.05	3.36	-0.1	6.03	
		20%	-0.09	2.19	-0.05	1.51	-0.1	5.66	
		100%	-0.05	0.26	-0.04	0.51	-0.09	2.46	
		120%	-0.05	0.51	-0.04	0.73	-0.05	0.25	
3.75	1.0	1%	-0.004	5.30	-0.01	2.34	-0.05	0.65	
		5%	-0.01	4.28	-0.004	2.47	-0.01	4.25	
		20%	-0.02	2.87	-0.01	1.61	-0.01	4.18	
		100%	-0.02	0.89	-0.01	0.64	-0.02	2.64	
		120%	-0.02	0.74	-0.01	0.55	-0.02	0.55	

Polycarbonate seal is on Job No. 1531– seal no. -UTD NSK 066831

Polycarbonate seal is on Job No. 1532– seal no. -UTD NSK 066832

Polycarbonate seal is on Job No. 1533– seal no. -UTD NSK 066833

Ratio	-			-		
Current Error @ Rated Primery Current 100%	-	-	-	-	-	-
Phase Displacement @ Rated Current Min	-	-	-	-	-	-
Composite Error @ Rated ALF Current %	-	-	-	-	-	-
P.D. Value @ KV	-	-	-	-	-	-
Rct @ 75'C	-	-	-	-	-	-
Iext @ vK	-	-	-	-	-	-
VK >	-	-	-	-	-	-
	-	-	-	-	-	-

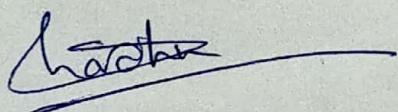
Over Voltage Inter Turn Test : OK

ISF. Test On Core No.

Pol. Test : OK

HV Power Frequency Test ON	Prim. To Frame & Earth :70 Sec. To Frame & Earth	KV for 1 Min 3000 V For 1 Min	Ok Ok
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Room Temp : 25'C



Tested By : Mr. S.Jadhav
Date Of Test - 25-09-20

Witnessed By

MR.A.P.Deshmukh
EXE.ENGINEER TESTING DIV.
MSEDCL,NASHIK.

For PRASANNA ELECTROTECH



PRASANNA ELECTOTECH

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Plot No. D - 75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7, Ph No. 0253- 2350751

VOLTAGE TRANSFORMER TEST CERTIFICATE

As Per IS-16277

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Type : 33Kv OD Type PT

Customer : Delta Enterprises.;Loction no.19

CONTRACTOR :- Shree Dhananjay Electricals,

Rated System Voltage : 33Kv

Insulation Level : 36/70/170 (kV/kV/kVP)

Ratio : 33kv/V3/110/V3 Volts Frequency : 50HZ

Rated Burden : 50VA Class : 0.2

V.F. 1.2 Cont/1.5 For 30 Seconds

ROUTINE TEST

1	Verification Of Terminal Marking & Polarity	OK
2	Power Frequency Test on Secondary Winding (Secondary to Frame)	3Kv For 1min. Withstood OK
3	Power Frequency Test on Primary (Applied) to Earth	3Kv For 1min. OK
4	Induced Over Voltage Withstand Test At 200 Hz for 60 Seconds	70 KV withstood OK

DETERMINATION OF ERROR TEST

Serial Nos.			SV/WM/1570		SV/WM/1571		SV/WM/1572			
Secondary Burden	Sec. Voltage	VA	PF	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
					Error (Min)	Error (Min)	Error (Min)	Error (Min)	Error (Min)	Error (Min)
25%	0.8 LAG	80	0.169	0.72	0.11	0.4	0.103	1.11		
25%		100	0.152	0.56	0.092	1.53	0.127	1.44		
25%		120	0.141	1.2	0.077	2.93	0.196	1.79		
100%	0.8 LAG	80	-0.065	0.32	-0.114	1.78	-0.061	0.86		
100%		100	-0.056	0.43	-0.14	3.22	-0.029	1.29		
100%		120	-0.029	0.92	-0.149	4.39	0.024	1.62		

Polycarbonate seal is on Job No. 1570- seal no. -UTD NSK 066834

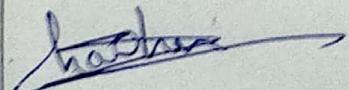
Polycarbonate seal is on Job No. 1571- seal no. -UTD NSK 066835

Polycarbonate seal is on Job No. 1572- seal no. -UTD NSK 066836

OUTPUT CONNECTIONS

1. Connect a n for Secondary 1st Winding having 110/V3	Volts
2. Connect A N for H.T. Winding : 33Kv/V3	Volts

Room Temp : 25 °C


Tested By : Mr. S.Jadhav
Date of Test : 25/09/2020

Witnessed By

MR.A.P.Deshmukh
EXE.ENGINEER TESTING DIV.
MSEDCL,NASHIK.

For PRASANNA ELECTOTECH

Quality Assurance Dept.

PRASANNA ELECTOTECH

Mfg. Of : Current Transformers, Potential Transformers,
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Plot No. D - 75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7. Ph No. 0253- 2350751

VOLTAGE TRANSFORMER TEST CERTIFICATE

As Per IS-16277

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Type : 33Kv OD Type PT

Customer : Delta Enterprises.;Loction no.19

CONTRACTOR :- Shree Dhananjay Electricals.

Rated System Voltage : 33Kv

Insulation Level : 36/70/170 (kV/kV/kVP)

Ratio : 33kv/V3/110/V3 Volts Frequency : 50HZ

Rated Burden : 50VA Class : 0.2

V.F. 1.2 Cont/1.5 For 30 Seconds

ROUTINE TEST

1	Verification Of Terminal Marking & Polarity	OK
2	Power Frequency Test on Secondary Winding (Secondary to Frame)	3Kv For 1min. Withstood OK
3	Power Frequency Test on Primary (Applied) to Earth	3Kv For 1min. OK
4	Induced Over Voltage Withstand Test At 200 Hz for 60 Seconds	70 KV withstood OK

DETERMINATION OF ERROR TEST

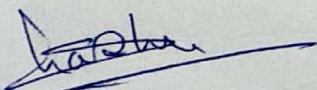
Serial Nos.		SV/WM/1573		SV/WM/1574		SV/WM/1575	
Secondary Burden	Sec. Voltage	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
VA	PF		Error (Min)		Error (Min)		Error (Min)
25%	0.8 LAG	80	0.137	0.95	0.138	0.51	0.139
25%		100	0.134	1.61	0.146	1.28	0.146
25%		120	0.141	2.7	0.159	2.42	0.16
100%	0.8 LAG	80	-0.031	0.53	-0.026	0.03	-0.021
100%		100	-0.031	1.34	-0.017	0.95	-0.015
100%		120	-0.023	2.32	-0.002	2	0.001

Polycarbonate seal is on Job No. 1573– seal no. -UTD NSK 066837

Polycarbonate seal is on Job No. 1574– seal no. -UTD NSK 066838

Polycarbonate seal is on Job No. 1575– seal no. -UTD NSK 066839

OUTPUT CONNECTIONS

1. Connect a n for Secondary 1st Winding having 110/V3 Volts	
2. Connect A N for H.T. Winding : 33Kv/V3 Volts	
Room Temp : 25 °C  Tested By : Mr. S.Jadhav Date of Test : 25/09/2020	Witnessed By  MR.A.P.Deshmukh EXE.ENGINEER TESTING DIV. MSEDCL,NASHIK.
	For PRASANNA ELECTROTECH  Quality Assurance Dept.

PRASANNA ELECTOTECH

Mfg. Of : Current Transformers, Potential Transformers,
Chokes & Control Transformers, H.T. & L.T., Feeder Pillers & C.R. Panels.

Plot No. D - 75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7. Ph No. 0253- 2350751

VOLTAGE TRANSFORMER TEST CERTIFICATE

As Per IS-16277

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Type : 33Kv OD Type PT

Customer : Delta Enterprises.;Loction no.37

CONTRACTOR :- Shree Dhananjay Electricals.

Rated System Voltage : 33Kv

Insulation Level : 36/70/170 (kV/kV/kVP)

Ratio : 33kv/V3/110/V3 Volts Frequency : 50HZ

Rated Burden : 50VA Class : 0.2

V.F. 1.2 Cont/1.5 For 30 Seconds

ROUTINE TEST

1 Verification Of Terminal Marking & Polarity	OK
2 Power Frequency Test on Secondary Winding (Secondary to Frame)	3Kv For 1min. Withstood OK
3 Power Frequency Test on Primary (Applied) to Earth	3Kv For 1min. OK
4 Induced Over Voltage Withstand Test At 200 Hz for 60 Seconds	70 KV withstood OK

DETERMINATION OF ERROR TEST

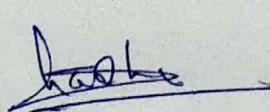
Serial Nos.			SV/WM/1576		SV/WM/1577		SV/WM/1578	
Secondary Burden	Sec. Voltage	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
				Error (Min)		Error (Min)		Error (Min)
25%	0.8 LAG	80	0.136	0.58	0.136	0.59	0.113	0.67
25%		100	0.152	1.57	0.146	1.45	0.118	0.81
25%		120	0.154	2.25	0.161	2.47	0.144	1.05
100%		80	-0.017	0.1	-0.017	0.001	-0.051	0.25
100%		100	-0.013	1.03	-0.011	1.08	-0.047	0.38
100%		120	-0.001	1.93	-0.002	1.98	-0.018	0.76

Polycarbonate seal is on Job No. 1576- seal no. -UTD NSK 066840

Polycarbonate seal is on Job No. 1577- seal no. -UTD NSK 066841

Polycarbonate seal is on Job No. 1578- seal no. -UTD NSK 066842

OUTPUT CONNECTIONS

1. Connect a n for Secondary 1st Winding having 110/V3 Volts	Withnessed By  MR.A.P.Deshmukh EXE.ENGINEER TESTING DIV. MSEDCL,NASHIK.	For PRASANNA ELECTROTECH 
2. Connect A N for H.T. Winding : 33Kv/V3 Volts		
Room Temp : 25 'C  Tested By : Mr. S.Jadhav Date of Test : 25/09/2020		

PRASANNA ELECTOTECH

Mfg. Of : Current Transformers, Potential Transformers,
Chokes & Control Transformers, H.T. & L.T., Feeder Pillers & C.R. Panels.

Plot No. D - 75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7. Ph No. 0253- 2350751

VOLTAGE TRANSFORMER TEST CERTIFICATE

As Per IS-16277

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Type : 33Kv OD Type PT

Customer : Delta Enterprises.;Loction no.37

CONTRACTOR :- Shree Dhananjay Electricals.

Rated System Voltage : 33Kv

Insulation Level : 36/70/170 (kV/kV/kVP)

Ratio : 33kv/V3/110/V3 Volts Frequency : 50HZ

Rated Burden : 50VA Class : 0.2

V.F. 1.2 Cont/1.5 For 30 Seconds

ROUTINE TEST

1	Verification Of Terminal Marking & Polarity	OK
2	Power Frequency Test on Secondary Winding (Secondary to Frame)	3Kv For 1min. Withstood OK
3	Power Frequency Test on Primary (Applied) to Earth	3Kv For 1min. OK
4	Induced Over Voltage Withstand Test At 200 Hz for 60 Seconds	70 KV withstood OK

DETERMINATION OF ERROR TEST

Serial Nos.			SV/WM/1579		SV/WM/1580		SV/WM/1581	
Secondary Burden VA	Sec. Voltage PF	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
				Error (Min)		Error (Min)		Error (Min)
25%	0.8 LAG	80	0.12	0.69	0.11	0.4	0.103	1.11
25%		100	0.114	0.76	0.092	1.53	0.127	1.44
25%		120	0.141	1.04	0.077	2.93	0.196	1.79
100%	0.8 LAG	80	-0.051	0.2	-0.114	1.78	-0.061	0.86
100%		100	-0.046	0.4	-0.14	3.22	-0.029	1.29
100%		120	-0.013	0.71	-0.149	4.39	0.024	1.62

Polycarbonate seal is on Job No. 1579- seal no. -UTD NSK 066843

Polycarbonate seal is on Job No. 1580- seal no. -UTD NSK 066844

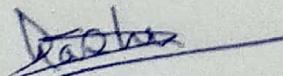
Polycarbonate seal is on Job No. 1581- seal no. -UTD NSK 066845

OUTPUT CONNECTIONS

1. Connect a n for Secondary 1st Winding having 110/V3 Volts

2. Connect A N for H.T. Winding : 33Kv/V3 Volts

Room Temp : 25 °C



Tested By : Mr. S.Jadhav

Date of Test : 25/09/2020

Witnessed By



M.R.A.P.Deshmukh
EXE.ENGINEER TESTING DIV.
MSEDCL,NASHIK.

For PRASANNA ELECTOTECH



Quality Assurance Dept.

PRASANNA ELECTOTECH

Mfg. Of : Current Transformers, Potential Transformers,
Chokes & Control Transformers, H.T. & L.T., Feeder Pillers & C.R. Panels.

Plot No. D - 75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7. Ph No. 0253- 2350751

VOLTAGE TRANSFORMER TEST CERTIFICATE

As Per IS-16277

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Type : 33Kv OD Type PT

Customer : Delta Enterprises.;Loction no.38

CONTRACTOR :- Shree Dhananjay Electricals.

Rated System Voltage : 33Kv

Insulation Level : 36/70/170 (kV/kV/kVP)

Ratio : 33kv/V3/110/V3 Volts Frequency : 50HZ

Rated Burden : 50VA Class : 0.2

V.F. 1.2 Cont/1.5 For 30 Seconds

ROUTINE TEST

1	Verification Of Terminal Marking & Polarity	CK
2	Power Frequency Test on Secondary Winding (Secondary to Frame)	3Kv For 1min. Withstood OK
3	Power Frequency Test on Primary (Applied) to Earth	3Kv For 1min. OK
4	Induced Over Voltage Withstand Test At 200 Hz for 60 Seconds	70 KV withstood OK

DETERMINATION OF ERROR TEST

Serial Nos.			SV/WM/1582		SV/WM/1583		SV/WM/1584	
Secondary Burden	Sec. Voltage		Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
VA	PF	In %		Error (Min)		Error (Min)		Error (Min)
25%	0.8 LAG	80	0.151	1.55	0.099	1.5	0.096	1.31
25%		100	0.179	2.08	0.126	2.07	0.12	1.79
25%		120	0.193	1.8	0.193	2.53	0.195	2.2
100%	0.8 LAG	80	-0.063	0.9	-0.112	2.34	-0.068	1.23
100%		100	-0.035	1.27	-0.081	2.88	-0.042	1.74
100%		120	0.033	1.59	0.003	3.42	0.033	2.14

Polycarbonate seal is on Job No. 1582– seal no. -UTD NSK 066846

Polycarbonate seal is on Job No. 1583– seal no. -UTD NSK 066847

Polycarbonate seal is on Job No. 1584– seal no. -UTD NSK 066848

OUTPUT CONNECTIONS

1. Connect a n for Secondary 1st Winding having 110/V3 Volts

2. Connect A N for H.T. Winding : 33Kv/V3 Volts

Room Temp : 25 °C

Tested By : Mr. S.Jadhav

Date of Test : 25/09/2020

Witnessed By

MR.A.P.Deshmukh

EXE.ENGINEER TESTING DIV.

MSEDCL,NASHIK.

For PRASANNA ELECTOTECH



Quality Assurance Dept.

PRASANNA ELECTOTECH

Mfg. Of : Current Transformers, Potential Transformers,
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Plot No. D - 75, Opp. Hotel Shamsunder, MIDC Area, Satpur, Nashik - 7. Ph No. 0253- 2350751

VOLTAGE TRANSFORMER TEST CERTIFICATE

As Per IS-16277

REF NO:-SE/SC/Wind Mill/Addl.EE/005528 DT:-17/09/2020

Type : 33Kv OD Type PT

Customer : Delta Enterprises.;Loction no.38

CONTRACTOR :- Shree Dhananjay Electricals.

Rated System Voltage : 33Kv

Insulation Level : 36/70/170 (kV/kV/kVP)

Ratio : 33kv/V3/110/V3 Volts Frequency : 50HZ

Rated Burden : 50VA Class : 0.2

V.F. 1.2 Cont/1.5 For 30 Seconds

ROUTINE TEST

1	Verification Of Terminal Marking & Polarity					OK	
2	Power Frequency Test on Secondary Winding (Secondary to Frame)					3Kv For 1min. Withstood OK	
3	Power Frequency Test on Primary (Applied) to Earth					3Kv For 1min. OK	
4	Induced Over Voltage Withstand Test At 200 Hz for 60 Seconds					70 KV withstand OK	

DETERMINATION OF ERROR TEST

Serial Nos.			SV/WM/1585		SV/WM/1586		SV/WM/1587	
Secondary Burden	Sec. Voltage	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
				Error (Min)		Error (Min)		Error (Min)
25%	0.8 LAG	80	0.082	1.3	0.122	1.16	0.099	1.42
25%		100	0.099	2.13	0.142	2.13	0.118	2.29
25%		120	0.162	3.11	0.2	3.46	0.192	3.33
100%	0.8 LAG	80	-0.078	1.05	-0.046	1.18	-0.059	1.35
100%		100	-0.059	1.92	-0.025	2.15	-0.039	2.24
100%		120	0.003	2.87	0.038	3.49	0.033	3.23

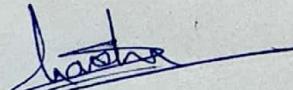
Polycarbonate seal is on Job No. 1585– seal no. -UTD NSK 066849

Polycarbonate seal is on Job No. 1586– seal no. -UTD NSK 066850

Polycarbonate seal is on Job No. 1587– seal no. -UTD NSK 066851

OUTPUT CONNECTIONS

1. Connect a n for Secondary 1st Winding having 110/V3 Volts	
2. Connect A N for H.T. Winding : 33Kv/V3 Volts	

Room Temp : 25 'C 	Withnessed By  MR.A.P.Deshmukh EXE.ENGINEER TESTING DIV. MSEDCL,NASHIK.	For PRASANNA ELECTOTECH  Quality Assurance Dept.
Tested By : Mr. S.Jadhav Date of Test : 25/09/2020		