

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/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Customer : M/S DELTA ENTERPRISES,Loction no.37

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: 16227

ISF < 5 Frame : 330D DRY TYPE METERING CT

Core No. I

CORE - SERIAL NOS		SV/WM/07		SV/WM/08		SV/WM/09			
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)	
		1%	-0.04	6.74	-0.01	3.63	-0.06	6.93	
		5%	-0.08	3.33	-0.03	2.15	-0.08	2.85	
		20%	-0.06	1.02	-0.03	0.78	-0.05	0.36	
		100%	-0.02	0.08	-0.02	0.04	-0.02	-0.1	
15	0.8	120%	-0.02	0.08	-0.01	0.07	-0.01	-0.11	
		1%	0.02	4.24	0.01	2.04	0.01	4.38	
		5%	-0.009	2.77	0.0007	1.41	-0.01	2.64	
		20%	-0.02	1.2	-0.007	0.76	-0.02	0.73	
		100%	-0.01	0.22	-0.005	0.16	-0.008	0	
3.75	1.0	120%	-0.009	0.2	-0.004	0.16	-0.007	0.01	

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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	Prim. To Frame & Earth :70	KV for 1 Min	Ok
Test ON	Sec. To Frame & Earth	3000 V For 1 Min	Ok

Room Temp : 25°C 	Witnessed by  Mr. Dipak Jagadale Dy. Executive Engineer MSECL Testing Division Sangli	For PRASANNA ELECTROTECH  Quality Assurance Dept.
Tested By : Mr. S.Jadhav Date Of Test - 21-03-20		

PRASANNA ELECTROTECH

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

CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Customer : M/S DELTA ENTERPRISES; Lotction no.37

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: 16227

ISF < 5 Frame : 33OD DRY TYPE METERING CT

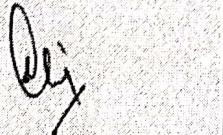
Core No. I

CORE - SERIAL NOS		SV/WM/10		SV/WM/11		SV/WM/12			
RATIO		25/5 A		25/5 A		25/5 A			
Rated Burden	% Of Rated	Current Error %	Phase Displacement (MIN)	Current Error %	Phase Displacement (MIN)	Current Error %	Phase Displacement (MIN)		
15	0.8	1%	-0.157	9.32	-0.119	5.39	-0.13	6.5	
		5%	-0.163	6.51	-0.103	5.23	-0.114	6	
		20%	-0.185	2.57	-0.103	3.81	-0.115	3.67	
		100%	-0.078	0.55	-0.084	1.29	-0.078	0.93	
		120%	-0.08	0.89	-0.0853	1.82	-0.078	1.2	
3.75	1.0	1%	0.0101	4.08	0.0165	2.44	0.019	2.95	
		5%	-0.0042	3.52	-0.0034	1.94	0.0046	2.54	
		20%	-0.019	2.57	-0.0032	1.94	-0.0026	2.23	
		100%	-0.0237	1.11	-0.01	1.48	-0.0137	1.43	
		120%	-0.0226	1.03	-0.0099	1.49	-0.0135	1.38	

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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.	Pal. 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.Dipak Jagadale Dy.Executive Engineer MSEDCL Testing Division Sangli	For PRASANNA ELECTROTECH  Quality Assurance Dept.
Tested By : Mr. S.Jadhav Date Of Test - 21-03-20		

PRASANNA ELECTROTECH

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

CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Customer : M/S DELTA ENTERPRISES;Loction no.19

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: 16227

ISF < 5 Frame : 330D DRY TYPE METERING CT

Core No. I

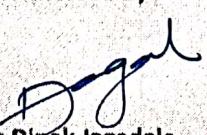
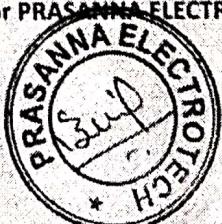
CORE - SERIAL NOS		SV/WM/13		SV/WM/14		SV/WM/15		
RATIO		25/5 A		25/5 A		25/5 A		
Rated Burden	% Of Rated	Current	Phase	Current	Phase	Current	Phase	
VA	PF	Prim Current	Error %	Displacement (MIN)	Error %	Displacement (MIN)	Error %	Displacement (MIN)
15	0.8	1%	0.09	6.18	0.12	3.9	0.13	3.95
		5%	0.07	4.23	0.11	2.5	0.11	2.66
		20%	0.07	1.56	0.11	1.52	0.11	1.13
		100%	0.11	0.03	0.12	0.37	0.12	0.28
		120%	0.1	0.64	0.12	0.8	0.12	0.6
3.75	1.0	1%	0.16	4.04	0.17	2.54	0.16	2.61
		5%	0.15	3.08	0.15	1.79	0.14	1.7
		20%	0.13	2.03	0.15	1.44	0.14	1.23
		100%	0.13	0.53	0.15	0.75	0.14	0.76
		120%	0.13	0.33	0.15	0.72	0.14	0.75

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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. Dipak Jagadale Dy. Executive Engineer MSECL Testing Division Sangli	For PRASANNA ELECTROTECH  Quality Assurance Dept.
Tested By : Mr. S.Jadhav Date Of Test - 21-03-20		

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

CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Customer : M/S DELTA ENTERPRISES,Loction no.19

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 : 0.25

SPECT No : -- IS: 16227

ISF < 5 Frame : 330D DRY TYPE METERING CT

Core No. I

CORE - SERIAL NOS		SV/WM/16		SV/WM/17		SV/WM/18			
RATIO		25/5 A		25/5 A		25/5 A			
Rated Burden	% Of Rated	Current Error %	Phase Displacement (MIN)	Current Error %	Phase Displacement (MIN)	Current Error %	Phase Displacement (MIN)		
15	0.8	1%	-0.07	4.0	-0.08	7.89	-0.08	7.53	
		5%	-0.06	3.33	-0.09	4.7	-0.09	4.89	
		20%	-0.05	1.46	-0.09	4.53	-0.08	1.75	
		100%	-0.04	0.55	-0.07	1.81	-0.04	0.49	
		120%	-0.04	0.75	-0.04	0.4	-0.05	1.12	
3.75	1.0	1%	-0.01	2.22	-0.04	0.7	0.001	4.6	
		5%	-0.006	2.28	-0.01	3.8	-0.009	3.43	
		20%	-0.01	1.46	-0.009	3.72	-0.02	1.94	
		100%	-0.01	0.52	-0.01	1.14	-0.01	0.58	
		120%	-0.013	0.44	-0.01	1.0	-0.01	0.53	

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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. Dipak Jagadale

Dy. Executive Engineer MSECL
Testing Division Sangli

For PRASANNA ELECTROTECH



Quality Assurance Dept.

Tested By : Mr. S.Jadhav

Date Of Test - 21-03-20

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CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Customer : M/S DELTA ENTERPRISES;Loction no.38

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: 16227

ISF < 5 Frame : 330D DRY TYPE METERING CT

Core No. 1

CORE - SERIAL NOS		SV/WM/19		SV/WM/20		SV/WM/21			
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%	-0.05	4.99	-0.09	6.91	-0.1	6.45	
		5%	-0.06	3.33	-0.09	4.71	-0.09	4.77	
		20%	-0.05	1.53	-0.07	1.59	-0.08	1.86	
		100%	-0.04	0.54	-0.04	0.4	-0.04	0.4	
		120%	-0.04	0.76	-0.04	0.64	-0.05	1.16	
3.75	1.0	1%	0.007	3.18	-0.01	3.69	-0.01	3.71	
		5%	-0.005	2.35	-0.008	3.6	-0.008	3.67	
		20%	-0.01	1.45	-0.02	2.05	-0.02	2.13	
		100%	-0.01	0.52	-0.01	0.67	-0.01	0.7	
		120%	-0.01	0.43	-0.01	0.6	-0.01	0.66	

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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.Dipak Jagadale

Dy.Executive Engineer MSEDC
Testing Division Sangli

For PRASANNA ELECTROTECH



Tested By : Mr. S.Jadhav

Date Of Test - 21-03-20

PRASANNA ELECTROTECH

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

CURRENT TRANSFORMER TEST REPORT

REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Customer : M/S DELTA ENTERPRISES,Loction no.38

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: 16227

ISF < 5 Frame : 330D DRY TYPE METERING CT

Core No. I

CORE - SERIAL NOS		SV/WM/22		SV/WM/23		SV/WM/24	
RATIO		25/5 A		25/5 A		25/5 A	
Rated Burden	% Of Rated	Current Error %	Phase Displacement (MIN)	Current Error %	Phase Displacement (MIN)	Current Error %	Phase Displacement (MIN)
15	0.8	1%	-0.08	7.89	-0.13	6.5	-0.147
		5%	-0.09	4.7	-0.114	6	-0.163
		20%	-0.09	4.53	-0.115	3.67	-0.135
		100%	-0.07	1.81	-0.078	0.93	-0.078
		120%	-0.04	0.7	-0.078	1.2	-0.08
3.75	1.0	1%	-0.01	3.8	0.019	2.95	0.0101
		5%	-0.009	3.72	0.0046	2.54	-0.0042
		20%	-0.01	2.46	-0.0026	2.23	-0.019
		100%	-0.01	1.14	-0.0137	1.43	-0.0237
		120%	-0.01	1.0	-0.0135	1.38	-0.0226

SEAI:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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. Dipak Jagadale
Dy. Executive Engineer MSEDCL
Testing Division Sangli

For PRASANNA ELECTROTECH



Quality Assurance Dept.

Tested By : Mr. S.Jadhav

Date Of Test - 21-03-20

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:-REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Type : 33Kv OD Dry Type PT

Customer : M/S DELTA ENTERPRISES;Loction no.37

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/67		SV/WM/68		SV/WM/69	
Secondary Burden	Sec. Voltage	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
			VA	PF		Error (Min)		Error (Min)
25%		80	0.12	0.91	0.109	0.51	0.122	0.54
25%	0.8 LAG	100	0.124	1.63	0.106	1.28	0.124	1.41
25%		120	0.142	2.11	0.11	2.42	0.17	2.2
100%		80	-0.06	0.57	-0.03	0.03	-0.02	0.07
100%	0.8 LAG	100	-0.06	1.44	-0.03	0.95	-0.01	0.92
100%		120	-0.007	2.4	-0.002	2.2	0.001	1.93

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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

Witnessed by

Mr.Dipak Jagadale

Dy.Executive Engineer MSEDC
Testing Division Sangli

Tested By : Mr. S.Jadhav

Date of Test : 21/03/2020

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:-REF NO:-SE/SC/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Type : 33Kv OD Dry Type PT

Customer : M/S DELTA ENTERPRISES;Loction no.37

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/70		SV/WM/71		SV/WM/72	
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	0.126	0.88	0.106	0.66	0.117	0.71
25%		100	0.122	1.53	0.106	1.42	0.118	0.83
25%		120	0.124	2.22	0.114	2.49	0.125	1.07
100%	0.8 LAG	80	-0.014	0.2	-0.013	0.002	-0.061	0.27
100%		100	-0.012	1.02	-0.012	1.01	-0.057	0.32
100%		120	-0.003	1.63	-0.002	1.52	-0.028	0.66

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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 : 21/03/2020

Witnessed by

Mr.Dipak Jagadale

Dy.Executive Engineer MSEDC

Testing Division Sangli

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/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Type : 33Kv OD Dry Type PT

Customer : M/S DELTA ENTERPRISES;Loction no.19

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/73		SV/WM/74		SV/WM/75	
Secondary Burden	Sec. Voltage	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
				Error (Min)		Error (Min)		Error (Min)
25%		80	0.09	3.05	0.08	3.02	0.10	3.11
25%	0.8 LAG	100	0.07	4.33	0.06	4.02	0.09	4.1
25%		120	0.06	6.03	0.04	5.06	0.08	5.12
100%		80	-0.11	3.08	-0.12	2.99	-0.101	2.26
100%	0.8 LAG	100	-0.132	4.41	-0.131	3.22	-0.105	1.29
100%		120	-0.142	6.2	-0.143	6.1	0.024	1.62

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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 : 21/03/2020

Witnessed by

Dy.Executive Engineer MSEDC

Testing Division Sangli

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/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Type : 33Kv OD Dry Type PT

Customer : M/S DELTA ENTERPRISES;Loction no.19

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/76		SV/WM/77		SV/WM/78	
Secondary Burden	Sec. Voltage	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
			VA	PF	Error (Min)	Error (Min)	Error (Min)	Error (Min)
25%	0.8 LAG	80	0.141	1.23	0.088	1.42	0.09	1.29
25%		100	0.159	2.04	0.116	2.06	0.11	1.77
25%		120	0.173	1.5	0.153	2.44	0.18	2.02
100%	0.8 LAG	80	-0.073	0.9	-0.102	2.39	-0.06	1.33
100%		100	-0.045	1.23	-0.091	2.47	-0.04	1.44
100%		120	0.055	1.66	0.004	3.1	0.03	2.02

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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

Witnessed by

Mr. Dipak Jagadale

Dy. Executive Engineer MSEDC

Testing Division Sangli

Tested By : Mr. S.Jadhav

Date of Test : 21/03/2020

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/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Type : 33Kv OD Dry Type PT

Customer : M/S DELTA ENTERPRISES;Loction no.38

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/79		SV/WM/80		SV/WM/81	
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	0.072	1.31	0.132	1.66	0.089	3.04
25%		100	0.089	2.17	0.133	2.33	0.108	4.22
25%		120	0.142	3.01	0.2	3.5	0.142	6.02
100%	0.8 LAG	80	-0.098	1.09	-0.057	1.22	-0.069	3.08
100%		100	-0.079	1.61	-0.035	2.17	-0.049	4.12
100%		120	0.008	2.34	0.044	3.31	0.043	6.13

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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 : 21/03/2020

Witnessed by

Mr.Dipak Jagadale
Dy.Executive Engineer MSEDC
Testing Division Sangli

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/T/Wind Mill/Addl.EE/002003 DT:-09/03/2020

Type : 33Kv OD Dry Type PT

Customer : M/S DELTA ENTERPRISES;Loction no.38

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/82		SV/WM/83		SV/WM/84	
Secondary Burden	Sec. Voltage	In %	Ratio Error %	Phase	Ratio Error %	Phase	Ratio Error %	Phase
			VA	PF		Error (Min)		Error (Min)
25%		80	0.10	2.2	0.07	2.9	0.1	1.12
25%	0.8 LAG	100	0.12	3.5	0.08	3.7	0.12	2.33
25%		120	0.14	4.5	0.11	4.8	0.14	5
100%		80	-0.05	2.9	-0.008	2.36	-0.09	2.5
100%	0.8 LAG	100	-0.08	5.8	-0.07	3.11	-0.12	4
100%		120	-0.19	6.9	-0.12	5.5	-0.15	6.2

SEAL:- After testing seals are affixed between Secondary cover & body & Name Plate. (paper Seal)

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

Witnessed by

Mc Dipak Jagadale

Dy.Executive Engineer MSEDC
Testing Division Sangli

Tested By : Mr. S.Jadhav

Date of Test : 21/03/2020

For PRASANNA ELECTROTECH



Quality Assurance Dept.