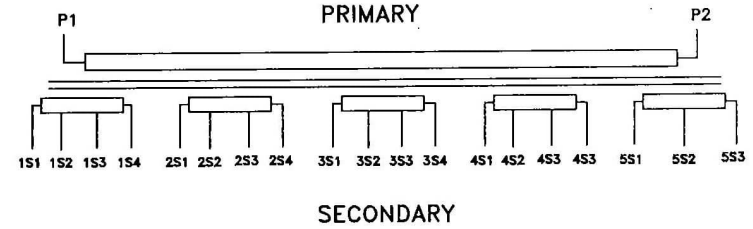


# CURRENT TRANSFORMER

MADE TO IS 2707/1992 Rated dynamic current =2.5 times of short time thermal current. Rated cont thermal current 120%

SUITABLE FOR HOT LINE WASHING

## CONNECTION DIAGRAM



HIGHEST SYSTEM VOLTAGE	145 kV	INSULATION LEVEL			275/650 kV	
RATED S.T.C	31.5 kA FOR 3 SECOND	RATED FREQUENCY			50Hz	
NOMINALT SYSTEM VOLTAGE	132 kV	CORE 1	CORE 2	CORE 3	CORE 4	CORE 5
RATIO	PRIMARY(Amp)	150-300-600	150-300-600	150-300-600	150-300-600	300-600
	SECONDARY(Amp)	1	1	1	1	1
SECONDARY TERMINALS		1S1-1S2-1S3-1S4	2S1-2S2-2S3-2S4	3S1-3S2-3S3-3S4	4S1-4S2-4S3-4S4	5S1-5S2-5S3
RATED BURDEN IN V.A		-----	-----	20 VA	-----	-----
ACCURACY CLASS		PS	PS	0.2	PS	PS
ALF / ISF		-----	-----	-----	-----	-----
Min Knee point voltage		150/300/600V	150/300/600V	-----	150/300/600V	150/300/600V
Max Rct AT 75 DEG C		1.5/3/6 Ohms	1.5/3/6 Ohms	-----	1.5/3/6 Ohms	1.5/3/6 Ohms
Max Iext at Vk		30 mA@600/1A	30 mA@600/1A	-----	30 mA@600/1A	30 mA@600/1A
		60 mA@ 300/1A	60 mA@ 300/1A	-----	60 mA@ 300/1A	60 mA@ 300/1A
		120 mA@ 150/1A	120 mA@ 150/1A	-----	120 mA@ 150/1A	120 mA@ 150/1A
Year OF MANUFACTURE		SERIAL NO.				

MADE IN INDIA BY

250±25

115±15

NOTE :-

1. ALL DIMENSIONS IN mm
2. MIN. THICKNESS OF RATING PLATE :- 1.2 mm
3. MATERIAL :- ALU. ANODISED
4. DIMENSIONAL TOLERANCE ± 5 %

CUSTOMER	BIHAR STATE POWER TRANSMISSION CO. LTD.		
<small>THIS DRAWING IS THE PROPERTY OF M/S. TECHNICAL ELECTRIC &amp; ENG'G CO. LTD. AND IS NOT TO BE COPIED OR USED WITHOUT THEIR PRIOR PERMISSION.</small>			
SUPPLY LOI NO.			
ERECTION LOI NO.			
PROJECT			
SUBSTATION			
VENDORS NAME			
DRG. TITLE	NAME PLATE DRAWING FOR 132 KV CT (120%)		
DRG. NO.	132-KV-CT-120-NP		
SCALE:	NTS	JOB NO:	SHEET

# CURRENT TRANSFORMER

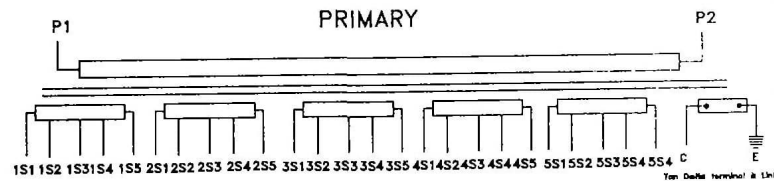
MADE TO IS 2705/1992 Rated dynamic current = 2.5 times of short time thermal current. Rated cont thermal current 120%

HIGHEST SYSTEM VOLTAGE	145 kV	INSULATION LEVEL			275/650 kV	
RATED S.T.C	31.5 kA FOR 3 SEC	RATED FREQUENCY			50Hz	
NOMINALT SYSTEM VOLTAGE	132 kV	CORE 1	CORE 2	CORE 3	CORE 4	CORE 5
RATIO	PRIMARY(Amp)	150-300-600-1200	150-300-600-1200	150-300-600-1200	150-300-600-1200	150-300-600-1200
	SECONDARY(Amp)	1	1	1	1	1
SECONDARY TERMINALS		1S1-1S2-1S3-1S4-1S5	2S1-2S2-2S3-2S4-2S5	3S1-3S2-3S3-3S4-3S5	4S1-4S2-4S3-4S4-4S5	5S1-5S2-5S3-5S4-5S5
RATED BURDEN IN V.A		-----	-----	20 VA	-----	-----
ACCURACY CLASS		PS	PS	0.2	PS	PS
ALF / ISF		-----	-----	-----	-----	-----
Min Knee point voltage		150/300/600/1200V	150/300/600/1200V	-----	150/300/600/1200V	150/300/600/1200V
Max Rct AT 75 DEG C		2.5/5/10/12 Ohms	2.5/5/10/12 Ohms	-----	2.5/5/10/12 Ohms	2.5/5/10/12 Ohms
Max Iext at Vk		40 mA@1200/1A	40 mA@1200/1A	-----	40 mA@1200/1A	40 mA@1200/1A
		80 mA@600/1A	80 mA@600/1A	-----	80 mA@600/1A	80 mA@600/1A
		160 mA@ 300/1A	160 mA@ 300/1A	-----	160 mA@ 300/1A	160 mA@ 300/1A
		320 mA@ 150/1A	320 mA@ 150/1A	-----	320 mA@ 150/1A	320 mA@ 150/1A
Year OF MANUFACTURE				SERIAL NO.		

MADE IN INDIA BY

SUITABLE FOR HOT LINE WASHING

## CONNECTION DIAGRAM



## SECONDARY

FOR RATIO	Primary Connection	Secondary Connection				
		CORE I	CORE II	CORE III	CORE IV	CORE V
150/1A	P1 - P2	1S1-1S2	2S1-2S2	3S1-3S2	4S1-4S2	-----
300/1A	P1 - P2	1S1-1S3	2S1-2S3	3S1-3S3	4S1-4S3	5S1-5S2
600/1A	P1 - P2	1S1-1S4	2S1-2S4	3S1-3S4	4S1-4S4	5S1-5S3
1200/1A	P1 - P2	1S1-1S5	2S1-2S5	3S1-3S5	4S1-4S5	5S1-5S5

250±25

115±15

### NOTE :-

1. ALL DIMENSIONS IN mm
2. MIN. THICKNESS OF RATING PLATE :- 1.2 mm
3. MATERIAL :- ALU. ANODISED
4. DIMENSIONAL TOLERANCE ± 5 %

CUSTOMER	BIHAR STATE POWER TRANSMISSION CO. LTD.		
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SUPPLY LOI NO.			
ERECTION LOI NO.			
PROJECT			
SUBSTATION			
VENDORS NAME			
DRG. TITLE	NAME PLATE DRAWING FOR 132 KV 1200A CT(120%)		
DRG. NO.	132-KV-CT-120-NP		
SCALE	NTS	JOB NO:	SHEET