

GUARANTEED TECHNICAL PARTICULARS FOR 132 kV CURRENT TRANSFORMER**Ratio: 150-300-600-1200/1-1-1-1-1A**

1.	Type of tank/Installation	LIVE type/ outdoor installation
2.	Type of mounting	Pedestal
3.	Manufacturer's name and address and country of manufacture	
4.	Conforming to standard	IS: 2705:1992
5	Type of voltage transformers	
5. a)	i) Primary and Secondary winding made out of ii) Primary windings – Design density	Primary – Copper, 730 sqmm and nos of turns 2 Secondary – Copper . 0.8 samm and nos of turns 300+300+600+1200 1.65 Amp/Sq mm
6.	Rated primary voltage (kV rms)	132
7.	Rated highest voltage (kV rms)	145
8.	Rated frequency (Hz)	50
9.	Rated primary current (A)	150-300-600-1200/1A,5C,
10.	Rated secondary current (A)	1-1-1-1-1
11.	Ratio taps (on secondary side only)	Secondary side
12.	Type of insulation	Class 'A' in Oil
13.	Tank material and tank coating	Mild steel / Hot dip galvanized
14.	Porcelain housing	Porcelain housing as per IS 5621
15.	Sealing	Nitrogen gas cushion
16.	Instrument security factor	N.A
17.	Whether test tap provided	Yes
18.	Acceptable limit of temperature	As per IS: 2705
19.	Acceptable partial discharge level at 1.1 times the rated voltage	< 10 PC @ Um < 5 PC @ 1.2 Um / $\sqrt{3}$
20.	Rated short time withstand current for 3 SEC duration (kA rms)	31.5
21.	Rated dynamic withstand current (kAP)	78.75
22.	Rated continuous thermal current (pu) where pu = rated current	120% of rated current
23.	1.2/50 micro second impulse withstand voltage (kVP)	650
24.	One minute power frequency withstand voltage (kV rms) of primary winding(Dry)	275
25.	One minute power frequency withstand voltage of secondary winding (kV rms)	3
26.	a) Minimum total creepage distance of insulator bushing (mm)	3625
	b) Protected creepage of distance of bushing (mm)	Not applicable

27	Details of Cores No.	Core	I,II&IV	III	V	
a	Current Ratios A/A		150-300-600-1200/1	150-300-600-1200/1	150-300-600-1200/1	
b	Output burden (VA)		--	20	--	
c	Class of Accuracy		PS	0.2	PS	
d	Accuracy limit factor		-	-	-	
e	Min. knee point voltage (kpv)		150/300/600/1200 V	-	150/300/600/1200 V	
f	Secondary resistance corrected to 75°C		2.5/5/10/12 Ω	-	2.5/5/10/12 Ω	
g	Max exciting current at 1200/1A Knee point voltage		40 mA	Not Applicable	40 mA	
28.	Weight of oil (kg)	135 Litres approx.				
29.	Total weight (kg)	420 kgs approx.				
30.	Mounting details	375*375 mm				
31.	Overall dimensions	AS PER DRAWING ENCLOSED				
32	Tan delta Value (As per clause 5.12.4 of IEC-60044-1)	$< 5 \times 10^{-3}$ @ Measuring Voltage 10 kV to $U_m \sqrt{3}$				
33	Secondary Terminal Box	IP:55 Porcelain Class				