GUARANTEED TECHNICAL PARTICULARS FOR 33 kV POTENTIAL TRANSFORMERS

1	Type	Single Phase, Outdoor, Oil cooled	
2	Manufacturer's type/ Designation	Single Phase, Outdoor, Oil cooled. 33 PT/Outdoor	
3	Mounting of Tank (Bottom)	Pedestal type	
4	Confirming to Standard	IS-3156: 1992	
5	System Rated Voltage/Highest Voltage (kV)	33 KV/√3 / 36 KV/√3	
6	Rated Primary Voltage (kV)	33 KV/√3	
7	Secondary Winding Details:		
a)	No. of Secondary Windings	Winding-1 & 2	Winding-3
b)	Rated Secondary Voltage	110V/√3	110V/√3.
c)	Rated Burden (VA)	50 VA	25 VA
d)	Class of Accuracy	3P	0.2
8	Temperature rise at 1.1 times rated voltage with rated burden (deg. C)	AS per IS 3156	
9	Rated Voltage Factor and time	1.2 times cont. and 1.5 for 30 seconds	
10	Temperature rise for item-10 above (deg. C)	As per IS 3156	
11	Impulse withstands test voltage (kV Peak)	170 KV (peak)	
12	One minute power frequency withstand Test Voltage on primary (kV rms)	70 KV (rms)	
13	One minute power frequency withstand test Voltage on Secondary (kV rms)	3KV (rms)	
14	Porcelain bushing (make)	BHEL/IEC/modern/WSI/Jayashree or any other reputed make	
15	Total Creepage distance of the bushing (mm)	900 mm	
16	Protected creepage distance of bushing (mm)	Not applicable	
17	Quantity of Insulating oil (liters)	As per drawing enclosed	
18	Weight of Oil (Kg)	As per drawing enclosed	
19	Total weight including oil (Kgs)	As per drawing enclosed	
20	Mounting Details	As per drawing enclosed	
21	Whether V.T. is sealed construction with nitrogen at top	Yes	
22	Grade of Oil	As per IS 335	
23	Rated Total thermal burden	75 VA	
24	Max Temp rise over design ambient temperature	55 Deg C	
25	Class of Insulation	A	
26	One minute power frequency withstand voltage between LV terminal and earth	10 kV for exposed terminals and 4 kV for for terminals exposed in a weather poof box	
27	Phase angle error	Within limit as per IS 3156	
28	Standard Reference range of frequencies for which the accuracy class are valid	96% to 102% for protection and 96% to 101% for metering windings	