

ANNEXURE -I

Specification of 11 KV CTPT

Sr. No.	Particulars	Requirement for CT	Requirement for PT
1	Type	Three single phase CT's Combined unit	One Three phase Star/Star PT
2	Class of accuracy	0.2S	0.2
3	Rated frequency	50 HZ	50 HZ
4	Rated primary current in Amp	As applicable	N.A
5	Rated primary voltage	N.A	11000 V (phase to phase)
6	Rated secondary voltage	N.A	110V/110V (phase to phase)
7	Rated burden	5 VA at 0.8 P.F (lag)	10 VA/phase at 0.8 P.F (lag)
8	Rated voltage factor	N.A	1.2 times continuous and 1.5 times for 30 seconds
9	Thermal rating (SC Test)	A test of Minimum STC of 6.4 KA for 1 second must have been conducted on 10/5 Amp CTPT- a type test report in this regards should be submitted by supplier.	N.A
10	Current density at rated current (max)	1.5 Amp. sq.mm	N.A
11	Dynamic rating	2.5 times Ith	N.A
12	One minute high voltage power frequency withstand voltage on primary winding	28 KV (rms) for 1 minute	28 KV (rms) for 1 minute
13	One minute high voltage power frequency withstand voltage on secondary winding	3 KV (Rms) for 1 minute	3 KV (Rms) for 1 minute
14	1.2/50 impulse withstand voltage	75 KV (Peak)	75 KV (Peak)
15	Class of insulation	A	A
16	Instrument security factor	5 or less than 5	N.A
17	Applicable standard	IS - 2705	IS - 3156

Besides “Routine Test” and “Acceptance Test” CTPT supplier has to ensure for following additional test:

1. ISF Test
2. Over Voltage Inter Turn Test

Moreover, in addition to “Acceptance Test” mentioned as above, ISF and OVIT test shall also be done at ERDA/PGVCL NABL lab in presence of our employee.