

## INFORMATION REQUIRED ALONG WITH ENQUIRY

Type of CT/VT and Type of supply  
HSV & NSV  
Rated Insulation Level  
Rated short time thermal current  
Frequency  
Rated Transformation Ratio  
Rated output & Class of Accuracy for Protective Cts.  
Rated KPV & Limitation of exciting current  
Service conditions (Environmental)  
Special Features i.e. limiting dimension, finishing etc.  
Accessories : e.g. Line Terminal Connectors with Conductor size, Structures, Marshalling Box.

## Awards & Recognitions



## Our other Products :

Surge Arresters (Porcelain & Polymer) upto 400kV  
Composite Insulators upto 400kV



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## Instrument Transformers (Current & Voltage Transformers)



Instrument Transformers encompassing the current and potential / Voltage transformers have common functions

- Metering of current and voltage parameters and protection of power system
- Both work on the same principle of electromagnetic induction
- Accurately replicates a mirror image of system parameters on their secondary outputs
- Essential functional components are similar.

### Saillant Constructional Features

1. Paper Insulation Vacuum Impregnated in high dielectric transformer oil
2. Designed and manufactured for all weather outdoor applications:
  - a) Effective anticorrosive treatment of all metal parts
  - b) Porcelain insulator sheds of self cleaning design with adequate creepage distance to cater to effects of polluted environments.
3. Efficient hermetic sealing ensures least on-site maintenance
4. Easily accessible Secondary (Low Voltage) Terminals
5. Type tested at C.P.R.J.s to conform to Indian / International Standards
6. Multi Ratio by split primary winding or tapped secondary
7. Accuracy class : As per IS:2705 / IEC : 60044-1 for C.T.s  
As per IS:3156 / IEC : 60044-2 for V.T.s



### Our Product Range

PRODUCT	VOLTAGE	CURRENT	BURDEN	CORES
<b>CURRENT TRANSFORMERS</b>				
Primary	6.6 kV to 220 kV	2500 A	---	---
Secondary		0.577/1/5 A	Upto 100 VA	Multi Core
<b>POTENTIAL TRANSFORMERS</b> (Single / Three Phase)				
Primary	11 kV to 220 kV	---	---	---
Secondary	63.5 / 110 V	---	Upto 500 VA	Multi Core

Also, we design and supply C.T.s & P.T.s to suit any special applications



### OUR QUALITY SYSTEM

- ✦ Products are designed and manufactured to stringent quality standards
- ✦ Well defined quality assurance plan in line with ISO 9001 specifications
- ✦ Compliance to specific customer requirements, applicable IS/IEC standards during design, manufacture and testing.

### CURRENT TRANSFORMER - TECHNICAL PARTICULARS

S. No.	Particulars	Unit	6.6kV	11kV	22kV	25kV	33kV	66kV	110kV	132kV	220kV
1.	Rated primary Current	A	Up to 1200	Up to 2000	Up to 1200	Up to 1500	Up to 2000	Up to 2000	Up to 2000	Up to 2500	Up to 2500
2.	Rated Secondary Current	A	1 or 5	1 or 5	1 or 5	1 or 5	1 or 5	1 or 5	0.5775 or 5	0.5775 or 5	0.5775 or 5
3.	Short Time Thermal Withstand Current/ Duration	kA/s	20/1	25/1	31.5/1	31.5/1	40/3	40/3	40/3	40/3	40/3
4.	Short Time Dynamic Withstand Current	kAp	50	62.5	78.5	78.5	100	100	100	100	100
5.	Number of Cores	---	3 or 4 as per requirements								
6.	Output/Accuracy	---	As per requirements								
7.	Min. Creepage	mm	180	300	600	900	900	1813	3075	3625	6125
8.	Min. Arcing Distance	mm	150	200	350	475	475	750	1250	1450	2300

### VOLTAGE TRANSFORMER - TECHNICAL PARTICULARS

S. No.	Particulars	Unit	11kV	22kV	25kV	33kV	66kV	110kV	132kV	220kV	
1.	Rated Primary Voltage	kV	11√3	22√3	25√3	33√3	66√3	110√3	132√3	220√3	
2.	Rated Secondary Voltage	kV	110V √3 or 110V								
3.	Voltage Factor	---	1.2 cont or 1.5 for 30 secs								
4.	Output / Accuracy	---	As per requirement								
5.	Short Circuit Withstand Capability	s	1	1	1	1	1	1	1	1	
6.	Number of secondary Windings	---	3	3	3	3	3	3	3	3	
7.	Min. Creepage	mm	300	600	900	900	1813	3075	3625	6125	
8.	Min. Arcing Distance	mm	190	350	425	425	700	1200	1400	2200	