



JSL INDUSTRIES LTD.

'JSL' A Range of Products

INSTRUMENT TRANSFORMERS



- 245 kV Outdoor CT & PT
- 66 kV Outdoor CT & PT
- Outdoor Current Transformer & Potential Transformers upto 33 kV
- 25 kV Outdoor CT & PT for Railways
- 11, 22 & 33 kV CT - PT Combined Metering Unit
- Indoor Current Transformer & Potential Transformers upto 33 kV
- Three phase Indoor PT upto 33 kV

No. of cores & accuracy class as per customer requirement

LT SWITCHGEAR PRODUCTS

- Oil Immersed DOL starter
- Oil Immersed STAR-DELTA starter
- Oil Immersed AUTO TRANSFORMER starter
- Oil Immersed 1 ph & 3 ph submersible pump controller
- Air Break DOL starter
- Air Break STAR-DELTA Starter
- Air Break 1 ph & 3 ph submersible pump controller
- CAM Operated Switches
- ACB with thermal-magnetic release Type : A7



LT SWITCHBOARD



- Power Control Centre
- Motor Control Centre
- Distribution Boards
- Bus-ducts
- Feeder panels
- Control panels
- Relay panels
- APFC panels
- Auto Transformer Starter Panel



MOTOR & PUMP DIVISION

- TEFC Induction Motors
- VHS SPDP Motors
- Textile Motors
- Drip Proof Motors
- Slipring Induction Motors
- Eff1 & Eff2 Motors
- Unibuilt Pumps



245 KV INSTRUMENT TRANSFORMERS

Instrument transformers are one of the vital components of any power system. Their contribution towards protection and metering in power system is momentous. Therefore their manufacturing and handling should be technically and practically feasible.

Our outdoor oil cooled instrument transformers are manufactured under controlled environment in dust free zones. The main insulation system is oil impregnated electrical grade paper and insulation winding is done with automatic insulation machine to avoid human error and to achieve consistency in manufacturing.

Outdoor oil cooled instrument transformers are hermetically sealed type in construction. The complete assembled unit is tested for leakage under vacuum and then introduced for processing. The heating, evacuation and impregnation are carried out under very high vacuum and strictly controlled conditions and are totally automatic to avoid human error. The collected condensate from evacuation system is monitored for each cycle to evaluate the moisture evacuated from the electrical grade paper. Once the insulating paper has been dried as per the requirements, fresh degassed, filtered and luke warm oil is impregnated to the instrument transformers under sufficient vacuum conditions. The instrument transformer is then hermetically sealed by means of dry and pure nitrogen gas through a non-returnable valve at pre determined pressure.

If requested JSL Industries Ltd. can also supply instrument transformers with stainless steel bellows instead of gas cushioning.

Technical Features of Current Transformer

Ratio	As per customer's requirements
Accuracy Class	As per customer's requirement & (IEC & IS)
No. of secondary cores	5 Nos. (Max)
Short time thermal current Rating	40kA/3 sec (100kA peak)
Voltage level nominal	245 kV/ 460kV / 1050kV peak
Seismic level	0.5g
Static withstand load on primary	4000N
Fabrication	MS / HDG
Other specifications are as per the IEC-61869-2 (2012-09) and IS-2705 (2002-04)	

Technical Features of Voltage Transformer

Ratio	As per customer's requirements
Accuracy Class	As per customer's requirement & (IEC & IS)
No. of secondary cores	As per customer's requirement
Voltage factor	As per IEC & IS
Voltage level nominal	245 kV/ 460kV / 1050kV peak
Seismic level	0.5g
Static withstand load on primary	4000N
Fabrication	MS / HDG
Other specifications are as per the IEC-61869-3 (2012-09) and IS-3156 (1999-05)	



JSL INDUSTRIES LTD.

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