

# STATE-OF-THE-ART HIGH VOLTAGE PARTIAL DISCHARGE AND IMPULSE LABORATORY

Evaluation of upto 400 kV class products as per various national and international standards

900 kV, 2700kVA high-voltage resonant test system

Excellent background noise level of less than 2pC at 900 kV

2400 kVp, 120 kJ  
Impulse Generator

## TESTING FACILITIES

- ▶ Partial Discharge test
- ▶ Dry power frequency voltage withstand test
- ▶ Measurement of radio interference voltage
- ▶ Measurement of capacitance and tan delta
- ▶ Visible corona test
- ▶ Thermal stability test on Current Transformers
- ▶ Lightning/ Switching Impulse Voltage Test

## APPLICABLE PRODUCTS

- ▶ Bushings (OIP, RIP, RBP, Cast, Gas, and Composite)
- ▶ Current Transformers
- ▶ Voltage Transformers (IVT/ CVT)
- ▶ High Tension Cables
- ▶ Insulators
- ▶ Dry Transformers (upto 5MVA, 33kV Voltage Class)
- ▶ Hybrid GIS/ Switchgear
- ▶ Isolator/ Disconnecter
- ▶ Tap Changer

**ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION**

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