

## Transformer Services

**Raychem RPG (P) Ltd.** through its rich experience and experience in designing and manufacturing transformers for domestic & global markets, has now introduced Transformer Services to provide comprehensive services for Maintenance & Repairs for all brands and types of transformers in India and Overseas Markets.

Transformer Services offer Utilities and Industries reliability and quick response time, and ensuring maximum return on assets. Transformer Services has a complete end to end in-house set up from designing to testing, with latest technology and automation tools.

Raychem RPG being an Original Equipment Manufacturer of Transformers up to 50 MVA, 132 kV class, has the expertise to repair and service transformers of all makes, not only at their facility but also at any domestic, as well as, international sites.

Our Services Team can reach you within 24 Hrs at any location across India.



## Services Offered

### Repair of Transformers – As good as NEW after repairs

- Well equipped facilities & resources for effective repairs
- Repair charges are economical; fraction of the cost of a new transformer
- Transformer is re-manufactured strictly as per well-established processes and quality norms
- Possibility of Re-Designing the transformer to include innovative features
- Repair adequacy is verified and demonstrated through testing in conformance with the relevant product standards like IS 2026 / IEC 0076

### Overhauling of Transformers – To enhance the life of the transformer

- Washing of Core Coil Assembly with clean oil and re-tightening of clamping structure
- Cleaning of Core Coil Assembly and removal of sludge to avoid hotspots in core & windings
- Removal of moisture from oil to prevent deterioration of the life of cellulosic insulation & monitoring the degree of polymerization (DP) of paper
- Improvement in Insulation parameters like Polarization Index (PI) & Tan Delta
- Functional Checking of Supervisory Devices like Buchholz Relay, OSR, PRV, MOG, OTI, WTI, etc.
- Overhauling of OLTC / OCTC, Fans, Pumps etc.

### Erection Testing & Commissioning of Transformers

- Proper Erection & Commissioning of Transformers for long life and trouble-free operation
- First Hand experience in Erection, Testing and Commissioning of all rating of Transformers up to 220kV Class
- Dedicated team of engineers engaged in erection, testing & commissioning of transformers
- Supervisory Services on third party basis for erection, testing & commissioning of transformers up to 220kV Class

### Supply of Spares – Right Part at the right time will reduce down time

- Raychem RPG is fully geared to supply spares for all rating and makes of transformers
- Spares are sourced from Approved Vendors
- Spares are manufactured and checked as per standard quality norms
- Minimum cycle time through planning, foresight, focus and thrust

### 👉 **Condition Monitoring and Residual Life Assessment of Transformers – Condition based maintenance action to prevent catastrophic failures**

- Determination of the residual life of transformer by Residual Life Assessment (RLA).
- Carry out condition monitoring and recommend condition-based maintenance plan
- Carry out special tests like Degree of Polymerization (DP) of paper insulation, foreign content in oil, etc. for evaluation and assessment of condition of transformer
- Health Check-up of OLTC of any kind and make

### 👉 **Other Services of Transformers – We offer Solutions for any transformer problems**

- Site repair services for any make of Transformers.
- Carry out special diagnostic testing of transformers viz. DGA in oil, thermography, Frequency response Analysis, On-line Partial Discharge measurements, etc.
- Analysis and interpretation of test results for condition assessment of transformers
- Failure analysis & cost effective and efficient restoration of transformer with minimum down time
- Annual Maintenance Contracts for Transformers
- Any other Supervisory & Consultancy Services

## Launching **WOW** for Our Customers

### Workshop on Wheels Transformer Service Ambulance

- Onsite Overhauling of Transformers up to 220 / 400 kV Class
- Replacement of Transformer Accessories and Gaskets
- Immediate Site Support for emergency breakdown by initiating testing followed by analysis and restoration of transformer in service with lowest downtime
- Well equipped with 6 kL Oil Filtration Machine with online PPM, BDV, Dry Air Generator, Dew Point Meter
- Well equipped tooling room with advanced tools and tackles
- Well equipped with all test facilities for transformer for immediate submission of results at site
- Testing Facilities available: Tan Delta, SFRA, Ratio, Winding Resistance, IR Tester
- Best suitable for Annual Maintenance Contracts, Residual Life Assessments, Erection Testing & Commissioning



#### **FACTORY OFFICE:**

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