



EMCO *Care*



EMCO through its rich experience in Transformers since 1964 and global market presence has created a special Service Cell to provide comprehensive Maintenance & Repair Services for all brands and types of transformers in India and Overseas market.

EMCO Service portfolio offers Utilities and Industry highest reliability and quick response time ensuring maximum return on asset, highest guaranteed performance improvement and repair activity backed by complete end to end in-house set up from designing to testing with latest technology and automation tools.

EMCO service expert can reach you within 24 hrs. from the receipt of a call at any location across India.

Approved / Registered with all major Utilities of India such as PGCIL, OPTCL, MSETCL etc.



SERVICES OFFERED



Repair of Transformers - Transformer is as good as new after repairs

- EMCO has requisite facilities and resources for effective repairs.
- Repair is done at a fraction of cost of a new transformer.
- Transformer is re-manufactured strictly adhering to well established processes and quality norms of EMCO.
- It is possible to re-design the transformer to include innovative features as required.
- Repair adequacy is verified and demonstrated through works testing in conformance with the relevant product standards like IS 2026 / IEC 60076.



Overhauling of Transformers - Overhauling will enhance the life of transformer

- Washing of core coil assembly by clean oil & re-tightening of clamping structure.
- Cleaning of core coil assembly (CCA) and removal of sludge to avoid hotspots in the core and the windings.
- Removal of moisture from oil to prevent deterioration of the life of the cellulosic insulation and monitoring the Degree of Polymerisation (DP) of paper.
- Improvement in the insulation parameters like Polarisation Index (PI) & Tan Delta.
- Functional checking of supervisory devices like Buchholz relay, PRV, OSR, MOG, OTI, WTI etc.
- Overhauling of OLTC / OCTC, Fans, Pumps etc.



Erection Testing and Commissioning of Transformers

- Proper Erection and commissioning of EHV Transformers for long life and trouble free operation
- Erection done as per EMCO/International norms (IEEE 57.93)
- Firsthand experience in Erection, Testing & Commissioning of Transformers of all ratings up to 400 kV class.
- EMCO has a dedicated team of engineers engaged in erection, testing and commissioning of transformers.



Supply of Spares - Right part at the right time will reduce the down time

- EMCO is fully geared to supply spares of all rating and make of transformers
- Spares are procured and checked as per standard quality norms of EMCO.
- Spares are procured from approved sources
- 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 remnant life of Transformer by Residual Life Assessment (RLA).
- Carry out condition monitoring and recommend condition-based maintenance action
- Carry out special tests like degree of polymerisation (DP) of paper insulation, Furan content in oil etc. for evaluation and assessment of condition of transformer.
- Health check-up of the OLTC of any type and make.



Other Services for Transformers - EMCO offers solutions for transformer problems

- Site repair services for EMCO / Other makes of transformers.
- Carry out special diagnostic testing of transformers, e.g. 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 and cost-effective and efficient restoration of transformer with minimum down time.
- Annual maintenance contract for transformers.
- Any other site and consultancy services.

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