

SHREE ABIRAMI ENGINEERING WORKS

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(Authorized Service Center for AREVA T & D, EMCO Transformers and ECE Transformers Ltd)

An 9001: 2000.Certified Company



MANUFACTURED AND CPRI TYPE TESTED 16 MVA 110/33-11 KV
POWER TRANSFORMER SUPPLIED TO TNEB & COMMISSIONED
AT CHINNARDAM SUB STATION ON 30.06.09

PERIODICAL OVERHAULING OF 3 Nos. OF 20 MVA 220/27 KV AND 6 No. 12.5MVA 110/27KV TRACTION POWER TRANSFORMER AT VARIOUS SITES & MORE THAN 20 Nos. OF 12.5MVA & 21.6 MVA 110/27KV TRACTION POWER TRANSFORMERS AT OUR FACTORY

CUSTOMER : SOUTHERN RAILWAY, SOUTH CENTRAL RAILWAY, CENTRAL RAILWAY, AND RAILWAY ELECTRIFICATION

Periodical Overhauling of 13.5 MVA
132/25KV MINEL Make Traction Power
Transformer at Bettul TSS of
Central Railway, Nagpur Division.



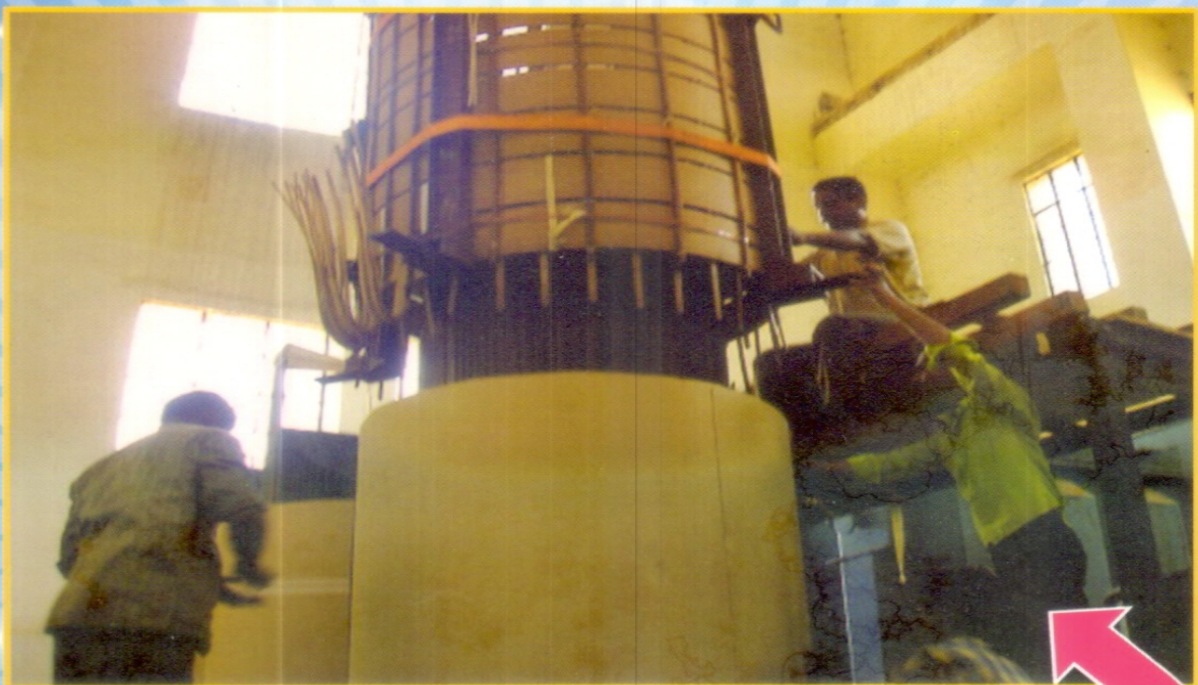
Repair of 50MVA 220/110KV
AREVA make Power Transformer at
MSEB Sub Station, Miraj



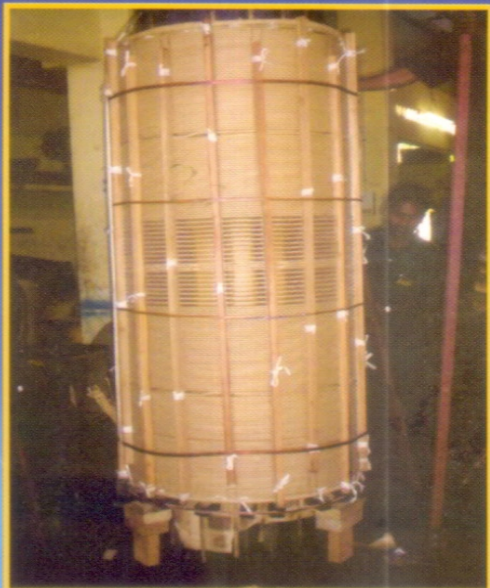
Our Services:-

1. Manufacturing of Power Transformer Windings up to 220KV Class
2. Rewinding of Power Transformers up to 260MVA 220KV Class.
3. Repairing of Power Transformers up to 260MVA 220KV Class.
4. Oil Filtration & Drying out of Power and Generator Transformers
5. Testing of Transformer Oil Tie-up with CPRI and TNEB R&D Lab
6. Erection /Transportation of Power Transformers.
7. Overhauling of Transformers both at our Works & at Site.
8. Testing & Commissioning of Power and Generator Transformers
9. Supply of Accessories of Power Transformers and Generator Transformers
10. Repairing of all Makes of OLTC (CTR, OLG, ESAN MR, TELK, BHEL etc)
11. Repairing of high Voltage Rectifier Transformer of ESP's including
Supplying rectifier stack and Feed back resistance stack & other Electronic parts

(Manufactured Windings of 100MVA, 220/110/66 KV
Power Transformer for KPTCL Bangalore)



(Repairing of 240 MVA Generator Transformer 15.75/220 KV Class at VIPS
Vijayawada, Order from BHEL Jhansi.)



Services at our Works:

1. Manufacturing of Power Transformer upto 25 MVA 132/33 KV Class
2. Manufacturing of Power Transformer winding upto 260 MVA 220 KV Class
3. Repair of Power Transformer upto 25 MVA 132 KV Class
4. Reinsulation of HV/LV windings.
5. Repair and replacement of all Accessories for Power Transformers
6. Supply of Transformer oil as per I.S with latest amendments.
7. Drying out facility with 45KW oven with Vacuum arrangement for improving IR value.
8. Testing of Transformers as per I.S standards Including Tan Delta and HV Test.
9. Oil filtration with high Vacuum 6KL JOHN FLOWER filtering machine with BDV oil Testing Kit duly calibrated at CEIG.
10. Rewinding, Repairing of CTs and PTs up to 220KV Class

50 MVA, 110KV HV Coil Manufactured in our works



Services at Site:-

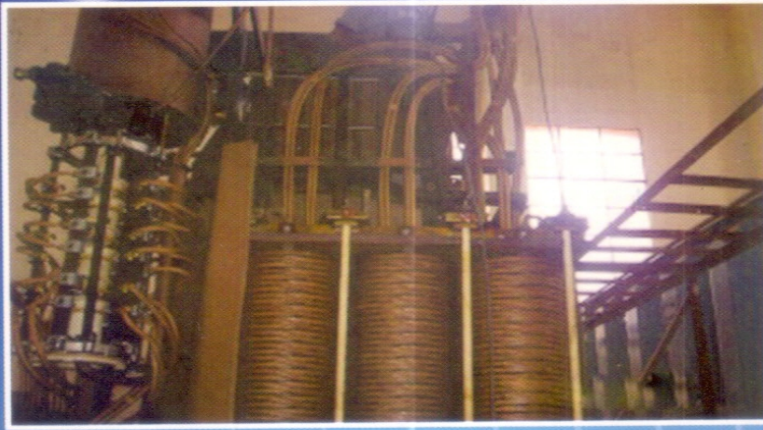
1. Repairing & Overhauling of Transformer upto 260MVA / 220 KV Class
2. Spare coil replacement.
3. Oil leakages arresting.
4. OLTC Repair and Overhauling.
5. Gasket changing, Transformer spares changing.
6. Drying out of Power Transformer by nitrogen Purging & vacuum Drying
7. IR value improvement, N₂ gas filling, PT, CT Repairing.
8. Periodical Overhauling
9. Supply of Transformer oil as per I.S with latest amendments.
10. Supply and temporary installation of 12KL oil tanks for storing Transformer oil during Repairs and new Installations
11. Testing & Commissioning

Repairing of 100MVA Auto Transformer at Trichy SS TNEB Order from BHEL Jhansi



HV Winding of 100 MVA, 220KV Transformer being inspected at Our Works by KPTCL Engineers





(Repairing, Rewinding of 100MVA 230 KV Power Transformer From KPTCL Bangalore at Peenya Repair Bay Bangalore)

Transformer Oil Testing:-

Tie up with CPRI Bangalore

1. Acidity
2. Dissolved Gas Analysis
3. Break Down Voltage.
4. PPM.
5. Tan Delta.
6. Resistivity.
7. Surface Tension.
8. Sludge.
9. Flash Point.
10. Furan Analysis
11. R.V.M Test of Transformer Insulation
12. D.P Test of Transformer Insulation.



Erected 1No. 63MVR 400KV BHEL Make Reactor at Rengali 400KV SS for Power Grid. Customer :BHEL, Bhopal.

Erection of Power Transformers:-

1. Power Transformer Erection up to 400KV.
2. Bushing replacement.
3. CT and P.T Erection.
4. Civil Work foundation.
5. Cable laying.& Cable Termination.
6. Oil filtration.
7. Loading, Unloading & Leading of Transformer
8. Testing and Commissioning.

Transformer Oil Filtration:-

1. Power Transformer oil filling.
2. Old oil purification.
3. New oil circulation.
4. IR Value improvement by Vacuum arrangement.
5. BDV value improvement.



(Erection of 161 MVA Power Transformer in Srilanka Power Project Site Colombo)

List of Major Works Carried Out:-

1. Manufacturing and Supply of New 16MVA 110/33-11KV Power Transformer to TNEB
2. Repair, Rewinding of 100MVA, 220/66 KV Power Transformer, KPTCL Bangalore
3. Repairing, Overhauling, Replacing of Defective Coils of 240MVA GT at VTPS
4. Repairing, Overhauling of 260MVA GT at NLC, TS-I Order from ALSTHOM
5. Rewinding of HV. &LV coil of 42.5 MVA 11/230KV Single phase TELK make Generator Transformer at Lower Sileru Power House, APGENCO
6. Repairing, Overhauling of 165MVA GT at KPCL Nagjhari Power House
7. Repairing, Rewinding of 21.6 MVA &12.5 MVA Traction Transformer for Southern Railway, South Central Railway And Central Railway
8. Supplying of 50 MVA, 16 MVA Power Transformer Coils to TNEB
9. Repairing, Supplying of coils for 20MVA 66/11 KV Power Transformer, KPTCL
10. Rewinding and Replacement of Rectifier Stack in HVRT 50 Nos. to NLC, RTPS, MTPS, NCTPS, and ST-CMS



(Manufacturing of 16MVA,
110V Power Transformer)

List Of Testing Equipments:-

1. Tan Delta kit 11 KV and 500 V Eltel make.
2. High voltage testing kit AC 0-300KV - 500 mA
3. High voltage testing kit AC 0 - 75KV. - 1000 mA.
4. 110KVA 400V 100HZ Motor Generator for Induced over voltage test.(DVDT Test)
5. 5KV Motor operated Megger./Digital Megger
6. 2.5KV Hand operated Megger./Digital Megger
7. 1000V, Hand operated Megger./Digital Megger
8. 500V Hand operated Megger./Digital Megger
9. DC Micro ohm Meter- 10 Amps.
10. Digital Multimeter.
11. Tong tester 0 - 1000A-AC/DC
12. Double Kelvin bridge with spot Galvanometer
13. Ratio meter ELTEL makes.
14. 11KV/ 110V P.T.& 33KV/330V PT.3Nos and 33KV CT 3 Nos.
15. Digital Hot Spot - Testing meter.
16. Ammeter, Voltmeter, Watt Meter etc.,
17. Motorised 3 Phase Auto Transformer - 200 Amps - 415V.
18. Single phase- 15 A Auto Transformers - 1No.
19. 100 KVA 440 Volts/33Kv -33-11KV 3 phase Intermediate transformer.
20. For Transformer Oil testing.
100KV BDV kit - 5 No.
60KV BDV kit - 5 Nos.
21. Surge Comparison Kit -11 KV
- 22.2400KVAR -3.3KV Capacitor Bank
- 23.Power Analyser

List of Major customers :-

1. Tamilnadu Electricity Board
2. KPTCL, KPCL
3. APTRANCO, APGENCO
4. KSEB
5. Southern Railway
6. South Central Railway
7. Central Railway
8. Railway Electrification
9. BHEL Jhansi , BHEL Bhopal
10. Crompton Greaves Ltd
11. L & T
12. OHPC
13. NLC Ltd
14. EMCO Ltd
15. Areva T & D Ltd
16. Chemplast Sanmar Ltd
17. Voltamp Transformer Ltd
18. ECE, Industries Ltd
19. ST-CMS
20. HI- Tech carbon



(Vehicle Mounted 6KL Transformer Oil Filter Machine
with High Vacuum & Root Pump up to 0.1 Torr.)



(Testing Equipments Available with us)

We are ISO 9001:2000 Company Since 2004 & Authorised
Service Center for AREVA T&D, EMCO Transformer Ltd.

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