

TRANSPOWER[®] OIL FILTRATION & CONTRACTORS

3600 LPH Double Stage & 1200 LPH Portable Filtration Plant

A Major cause of Transformer Failure is due to the presence of Moisture which destroys the insulating property of the oil & reduce the **DIE ELECTRIC STRENGTH** & the presence of particulate which reduce the heat Transformer Property and also result in wear of the contacts and coil due to abrasion and therefore, it is necessary to Filter the Transformer Oil as per IS:335 to reduce the moisture as well as acidity & increase the die electric strength to extend the **TRANSFORMER LIFE**. **Transformer Oil filtration can be done upto 100 MVA Transformer i.e. 1,00,000 Ltr. oil at a time.**

While cleaning systems suitable for online & offline filtrations.



OIL TEST KIT :- The Oil Test Set is the microprocessor based test equipment that is designed to test the dielectric strength of insulating oil. The motorized oil test kit is of single phase and 240 volts. The tried and tested set yield a distortion free output. The optional magnetic stirrer facility is also available on request.

Specification :- **Input :** 220/230 AC-1 Phase 50Hz,
Output : 0-60/75/100 KV centre tap earthed;
Capacity : 1KVA; **Indication :** Mains ON and HT ON Lamps

- ☛ Transformer Repairing, Attending Heavy Leakages, maintenance of Transformer, Replacement of Bushing, Gaskets, Overhauling the Transformer, Repair of Change Over Switch and Cable Box.
- ☛ ACB, OCB, Panel Board & CTPT.
- ☛ Isolators, GOD, DOF, Maintenance, Spares Replacement, Greasing for smooth operation.
- ☛ Cable Lying, Cable Jointing.
- ☛ Street Light Pole Erection
- ☛ Earthing Testing & New Earthing Providing.
- ☛ **PAINTINGS**
Transformer Painting, Panel Board Painting, 2 Pole & 4 Pole Structure Painting.



“Taking Annual Maintenance Contract”

TRANSPOWER[®]

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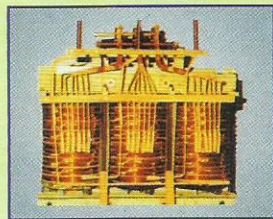
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TRANSPower[®] TRANSFORMERS



TRANSPower[®] Transformers, manufactured / Repair / Dealer in accordance with Indian Standard Specifications No. 2026 are considered by all users as one of the best manufactured. The materials are use rigid quality in various stages of production and cleanliness with which all raw materials and production are handled to ensure the best quality and very reliable product. **TRANSFORMERS TANKS :** Tanks are made from mild steel plates/sheets of adequate thickness and are of welded construction. To provided ample cooling surface, the radiators/ tubes wherever necessary, are welded to the tanks and the entire tank unit is tested under pressure to ensure no leakage of oil in service. The tank and frame parts are specially painted with oil resistance paint for guaranteed durability of M.S. parts.



ASSEMBLY : The windings are rigidly clamped between the top and bottom frames through clamping rings and pressboard collars and blocks. Additionally each coil is radially and axial pressboard spacers. All the main lead and tapping leads are kept as short as possible and are completely separated from the main structure by means of insulated cleat bar arrangement.

CONNECTION & TAPPING:

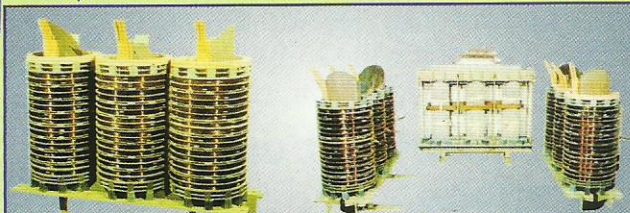
Transformers can be supplied connected for any vector group as per IS: 2026. In such units the tappings are brought upto links at oil level inside the tank. For large units, off circuit, hand operated tap changing switch can be provided externally.

TERMINAL ARRANGEMENT : Bare terminals through porcelain bushing or in cable boxes can be supplied on both HV&LV sides as per the customers' specifications.

INSPECTION & TEST : Inspection is carried out at every stage of manufacture. The completed transformers are tested for all routine tests before despatch in our well-equipped testing department. A test certificate, giving the results of the test is provided with the transformers.

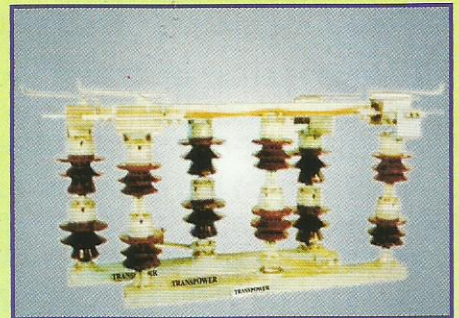
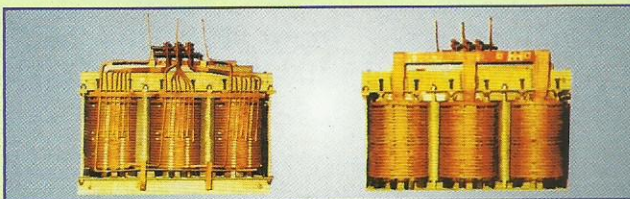
ACCESSORIES & FITTINGS : All standard accessories and fittings such as Oil level guage, silicagel breather, earthing terminals, diagram and ratings plates, rollers, filter valve etc. are provided.

MANUFACTURING RANGE : We are manufacturing as per IS:2026 at present double wound, core type, indoor and out door, three phase transformers upto 3000 KVA and upto 33000 Volts.



CORES: The Cores are bld from non-ageing scale free, low loss silicon steel laminations of cold rolled grain oriented best grade material. The laminations are insulated from each other by hot oil resisting insulation coating which does not deteriorate with age and under continuous operation in oil at temperatures normally experienced in transformer service.

WINDINGS: The windings are manufactured from electrolytic high conductivity copper/aluminium conductors covering with suitable insulation and normally consist of one or a combination of the three main types of coils viz. 1) Spiral coils. 2) Cross over coils. 3) Continuous Disc coils. Windings are designed and manufactured to effectively withstand all electrical, thermal and mechanical stresses experienced in the normal transformer service.



Double Break Isolator Rotating Type

GANG OPERATED SWITCH

TRANSPower[®] Indian made out door, offload Triple Pole, Gang Operated Switch Tilting/Rotating type, Single/Double break consisting of hot dip galvanized channel iron base, Original post type H.T. insulators, Copper or Copper alloy high pressure heavily tinned contacts, plated mild steel orcing horns capable of breaking the magnetizing current complete with horizontal connecting bar G.I. pipe as down rod levers, couplings and operating handle with locking arrangements in voltages upto and including 33 KV line Switchyard and current upto and including 1600 Amps manufactured as per IS 9921 & 1818.



Single Break Isolator Tilting Type

DROP OUT FUSE

TRANSPower[®] Indian made Drop out lift off Fuse link consisting of channel iron base two single stack insulators per phase complete with fuse carrier bekelite tube with heavily tinned nonferrous metal parts and spring loaded phosphor bronze contact complete, without fuse element in voltages upto and including 33 KV as per IS 9385 / IS 5792 & BS 2692.



Drop Out Fuse



H.T. HRC with Mount & Horn Gap Fuse

Street Light Poles



Steel Tubular Poles



LIST OF OUR PRODUCTS

1. Manuf. / Repair / Dealer Power & Distribution Transformers
2. Rectifier Transformers for Hydrogenation, Electroplating etc.
3. Gang Operated Air Break Isolators, S/T & Rotating Type
4. Drop Out Fuse, Horn Gap Guse & Fuse Mounts with Fuses.
5. Operating Poles, Discharge & Earthing Rods.
6. H.T. Fuse Elements
7. H.T. & L.T. Current & Potential Transformers (C.T's & P.T's)
8. Special Purpose & High Voltage Testing Transformers.
9. A.C. Welding Heavy Duty Transformers.
10. H.T. Metering Sets (Combine C.T.P.T. Units)
11. TRIVECTOR METER Panel.
12. All Types of Control Panels, Feeder Panels, Switch Board and motor control centres.