

**365 DAYS
ROHITRA**

Distribution & Power Transformers



INNOVATING... EXCELLING... TRANSFORMING.



ROHITRA
INDIA PRIVATE LIMITED

Power to you...!



IS 1180: Part 1
CMA NO. T00181414



ISO 9001:2015



Rohitra India Private Limited (RIPL) was incorporated on the 9th of April 2018. RIPL is engaged in Manufacture and Maintenance of various types of transformers.

We cater to the widest spectrum of applications - from general-purpose requirements of commercial, industrial and utility customers to designing for unique conditions.

We "custom design" transformers to provide unparalleled performance for every application.

We have ISO, NABCB & ICS certification. We presently manufacture energy efficient BIS 1180 & IS - 2026 approved transformers. Rating from 63 kVA up to 2500 kVA and capacity 5 MVA, 10 MVA upto 12.5 MVA range in voltage class 11 kV, 22kV, 33kV [OCTC & OLTC].

Vision

Build a brand to the level where it becomes synonymous with absolute excellence in every segment of the business. Deliver products that unfailingly exceed the expectations of those who chose to place their trust in us. Ensure that environmental consciousness remains a top priority at all times.

Mission

Remain relevant in ever-changing markets through ongoing research and adoption of emerging technologies, thereby ensuring delivery of technically superior products at competitive pricing.

Manufacturing facility at Sanaswadi, Pune, Maharashtra, India.



Transformers Manufactured:

- Distribution & Power Transformers with OCTC & OLTC
- Hermetically Sealed Transformers with OCTC & OLTC
- Isolation Transformers
- Furnace Transformers
- Converter Duty
- Vacuum Pressure Impregnated (VPI) Dry Type Transformers
- Solar (Inverter Duty) / Windmill application Transformers
- Auxiliary Transformers / Station Transformers
- Special Duty Transformers

Certification & Approvals:

- RIPL products are type-tested at NABL Accredited Laboratories like ERDA & CPRI and are approved by respective Regulatory Boards.
- ISO 9001:2015 Certified company.
- BIS-1180 Part 1 (2014), Part 3 (2021) and IS - 2026 amended up to date.
- MSEDCL, HESCOM, GED (Utilities), MSETCL.
- METRO, PMC, PCMC, PMRDA.
- PWD, CPWD, MIDC, CIDCO.
- MJP, Water Department and other Government authority approvals.

Supplying Transformers to diverse sectors:

- Residential & Commercial ■ Healthcare & Pharmaceutical ■ Utility ■ Infrastructure
- Irrigation ■ Education ■ Industries ■ Oil & Gas ■ IT Parks ■ Agriculture & Agro Industries ■ Sugar Industries ■ EV Charging Stations ■ Hospitals ■ Hospitality & Convention Centers ■ Automobile Industries ■ Solar & Windmill.



Mineral Oil Filled Transformers

Engineered to ensure optimal performance, safety and durability, RIPL Mineral Oil Filled Transformers with OCTC and OLTC provide efficient and reliable power distribution for varied applications while meeting stringent quality requirements.

Rated Power:	100 kVA - 12.5 MVA Three Phase, Step Up & Step Down Mineral oil filled Distribution & Power Transformers.
Maximum System Voltage:	3.3 kV, 6.6kV, 11kV, 22kV, 33kV
Minimum System Voltage:	400 V, 415 V, 433 V & 440 V
Cooling Methods:	ONAN/ONAF
Reference Standards:	IS 1180, IS 2026, IEC 60076, ASNSI, amended up to date and other relevant standards

Key Features

- High Efficiency
- Robust Construction
- Superior Cooling
- Enhanced Safety
- Low Losses & Low Noise



Ester Oil Filled Transformers

RIPL Ester Oil Filled Transformers, with OCTC & OLTC, using natural Ester Oil, offer a safer, eco-friendly alternative to mineral oil-filled transformers. They are designed for both distribution and power applications.

Rated Power:	100 kVA – 12.5 MVA Three Phase Ester oil filled Distribution transformer.
Maximum System Voltage:	6.6kV, 11kV, 22kV, 33kV
Minimum System Voltage:	400 V, 415 V, 433 V & 440 V
Cooling Methods:	KNAN/AN/AF
Reference Standards:	IS 1180: Part 3, IS 2026, IS 11171:1985, IEC 60076, ASNSI, amended up to date and other relevant standards.

Key Features

- High Efficiency
- Enhanced Safety
- Eco-Friendly
- Superior Cooling
- Robust Design
- Low Losses & Low Noise

Applications

- Urban and Suburban Areas
- Renewable Energy Projects
- Industrial Sites
- Environmentally Sensitive Locations

Natural Ester Oil Properties

- Fire Point - 360°C
- Flash Point - 330°C
- Biodegradability - Ultimately
- Toxicity - Non-Toxic
- Viscosity - 37
- Thermal Aging - Better



Rohitra India Pvt. Ltd. are the **First to get BIS 1180 Part 3 Licence in India for 2000 kVA Ester Oil Filled Distribution Transformers.**



Compact Substation

Packaged Substations are self-contained units for power distribution in urban, suburban, and industrial environments. The modular substations integrate all components (Transformer, Switchgear, Protection Devices, Control Systems) into a single, robust enclosure for quick deployment, enhanced safety, and reliable performance.

Rated Power:	100 kVA - 2.5 MVA Compact Sub Station (Oil filled Hermetically Sealed & VPI Dry Type) and Industry required special Duty transformers
Maximum System Voltage:	11kV, 22kV
Minimum System Voltage:	415 V, 433 V
Cooling Methods:	ONAN/KNAN/AN
Reference Standards:	IS 1180, IS 2026, IEC 60076, ASNSI, amended up to date and other relevant standards

Key Features

- Compact Design
- Ease of Installation
- Enhanced Safety
- Versatility
- Robust Construction
- Low Losses & Low Noise

Applications

- Urban Power Distribution
- Industrial Facilities
- Renewable Energy Integration
- Remote Locations



Dry Type Transformer

RIPL Dry Type Transformers deliver performance and safety in power distribution without the need for liquid insulation or cooling. Ideal for indoor/outdoor applications. Reliable, low-maintenance solution.

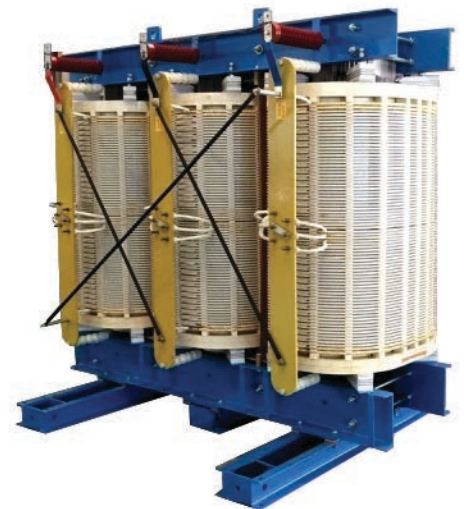
Rated Power:	100 kVA – 12.5 MVA VPI Dry Type Transformers
Maximum System Voltage:	6.6kV, 11kV, 22kV, 33kV
Minimum System Voltage:	400 V, 415 V, 433 V & 440 V
Cooling Methods:	AN/AF
Reference Standards:	IS:11171, IS 2026, amended up to date and other relevant standards.

Key Features

- High Efficiency
- Enhanced Safety
- Low Maintenance
- Robust Design
- Eco-Friendly
- Low Losses & Low Noise

Applications

- Commercial Buildings
- Industrial Facilities
- Public Infrastructure
- Renewable Energy

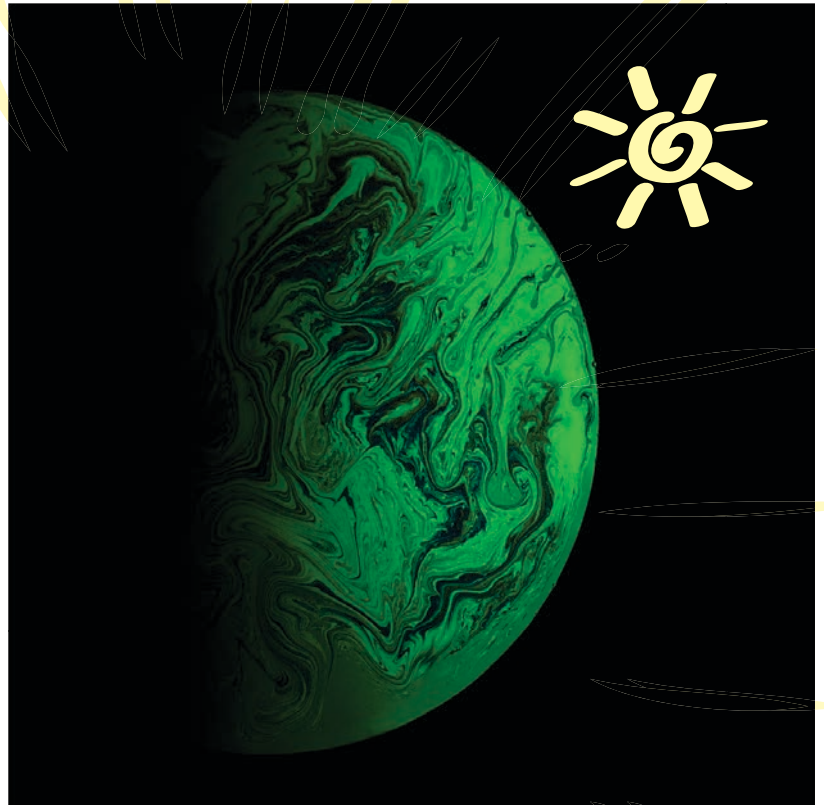


Inverter Duty Transformers (IDT)

The Inverter Duty (Solar) Transformer is a static generator step-up transformer coupled between Inverter and Grid. It pumps electrical power to the utility network either in single or parallel.

IDT Features

- Can be of liquid-immersed type with mineral oil / biodegradable oil or a dry-type transformer.
- The IDT low-voltage windings are designed for voltages arising during pulsed mode of the inverter.
- Galvanic Isolations between windings maintain suitable insulation resistance since voltages to ground of $\pm 2,400$ V at the most occur when the inverter is in pulsed mode.
- A shield winding (grounded on tank or isolated earth) provided between the low-voltage windings and the high-voltage windings. This serves as an additional dV/dt filter.
- Voltages at the low-voltage windings of the IDT matched with AC output voltage of the inverter.
- Voltage level on the high-voltage side of IDT selected according to the grid connection point.
- Off Circuit Tap Changer on the high-voltage side is recommended.
- Depending on solar system design, the IDT can be Two, Three, Four or Five winding Transformer.
- Impedance and vector group selected as per the Inverter requirement and system requirement.
- Conductor can be Copper or Aluminum.
- Inverter windings star / delta depending upon the system design.
- Insulating oil can be Synthetic / Natural Ester Oil OR Mineral Oil
- Tanks can be conventional rectangle or corrugated fin-wall type design.
- In addition to standard fittings and accessories, provision for NIFPS (Nitrogen Injection Fire Prevention System) can be given.



*“The total amount of solar energy received on Earth is vastly more than the world's current and anticipated energy requirements. Solar energy is the cleanest and most abundant renewable energy source available.”**

Rohitra India Pvt. Ltd. is committed to support leaders in the field of solar energy with a wide range of quality Inverter Duty Transformers for Solar Energy applications.

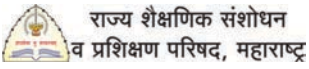
**365 DAYS
ROHITRA**

A convergence of Technology, Quality and Reliability.



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