



**RAJASTHAN POWERGEN
TRANSFORMER PVT. LTD**

An ISO 9001 : 2015, ISO 14001 : 2015, OHSAS 18001 : 2007 Certified Company.

WHERE THE WORLD OF
ELECTRICITY MEETS
THE FUTURE

POWERING THE NATION



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www.rajasthanpower.in



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ABOUT US



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Established in the year 2011, we are Rajasthan Powergen Transformer Pvt. Ltd., engaged in the manufacturing of transformer conforming to both Indian & International standards. We are an ISO 9001, 14001 & 18001 certified company offering transformers upto 33kV Voltage class. Our state-of-the-art greenfield manufacturing facility is equipped with latest machinery spread over 8-Acres of land located at Sanchore, Rajasthan. The company is capable to design, manufacture, test & install world class power, distribution & specialty transformers. The capability is well accredited by successful type testing of various ratings at NABL laboratory in India which complies to latest standards.

QUALITY CONTROL

RPTPL is an ISO 9001:2015 certified company. We provide transformers of high reliability through a process of continual improvement & there-by benefiting the society. Our transformers are designed by experienced professionals with proven experience in the sector. We are one of the few manufacturer with BIS & BEE approved products in our portfolio.

INFRASTRUCTURE



FACILITIES

- Total Area Of The Facility : 33,400 Sq. Meters
- Manufacturing Facility : 5,000 Sq. Meters
- Fabrication Facility : 1,500 Sq. Meters
- Stores : 1,000 Sq. Feet
- Testing Room : 300 Sq. Feet
- Lamination Cutting Area : 1,500 Sq. Feet
- Winding Area : 500 Sq. Feet
- Final Assembly Area : 5,000 Sq. Feet
- Turns Ratio Meter
- Insulation Testing Meter
- Winding Resistance Meter
- Double Voltage Double Frequency Meter
- High Voltage Testing Kit
- Power Analyser
- PD Measurement System
- Capacitor Bank of 50 MVAR
- Temperature Rise Testing Meter
- In-house Transformer Designing.
- In-house Transformer Tank Fabrication With Latest Machinery & Skilled Workforce.
- Shot Blasting & Paint Shop.
- Finishing, Packaging & Dispatch Facility.



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PRODUCT RANGE

SINGLE PHASE TRANSFORMERS

Manufacturing from 5kVA to 25kVA upto 33kV
voltage class in both Aluminium & Copper Winding
as per IS & IEC standards.



DISTRIBUTION TRANSFORMERS

Distribution Transformers
from 5kVA single phase to
5000kVA three phase, Amorphous/CRGO
Core, Dry/ONAN type Transformer at different
voltage & frequency levels according to the standards
prevailing in the various countries.



POWER TRANSFORMERS

Up to 20 MVA capacity power transformers, with
maximum voltage level of 33kV for the, Frequency
level according to the standards.



STRUCTURES, CROSS ARMS, CLAMPS & TANK

Fabrication of
Corrugated Tank of
Transformers as well 11kV, 22kV &
33kV Power Lines and Specialized Structure for
Solar, Street Lighting & Rural Electrification.





PROCESS

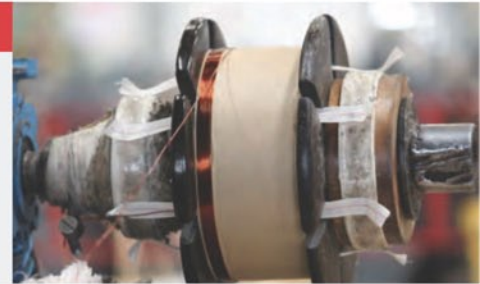


CORE BUILDING

CRGO Cold Rolled Grain Oriented i.e. Core of a transformer is similar to the heart to a living being. Considering its importance, many issues are kept in mind for design like manufacturing functional reliability, longer service life, economy etc. Due weight age is given for careful selection of proper material & optimization of the shape of this unit. The efficiency of the Transformer depends entirely on this crucial component.

The Windings allow the flow of oil around the conductor in between sections. These Windings are made of high grade electrolytic copper, which are designed to optimize thermal, mechanical, electrical stresses depending upon the current & voltage requirements. Spiral, Cross-over, Helical, Continuous Disc winding with multiple copper conductors are usually adopted for transformers. The coils are Lowered on the core legs. The machines for windings are equipped with different speed gears ensure the proper tension is maintained on the windings.

COIL WINDING



CORE-COIL ASSEMBLY & CONNECTION

This plays a major role in space utilization, compactness, ease of transportability, handling & installation. Every care is taken for judicious space utilization without compromising the functional efficiency. Establishing a proper production line in assembly shop always helps in obtaining high production rate.

We take care for drying individual coil & insulation components to ensure that they match the duty cycle & short circuit forces, which the winding may encounter in service. The core & coil assembly is dried through a very efficient drying oven, which ensures extraction of moisture to zero level. After drying process, winding, clamping & connection are checked & tightened before lowering into tank.

DRYING / OVENING



TANK FABRICATION

The corrosion due to presence of moisture in the environment, brittleness of material due to influence of various gases, the formation of rust flakes, etc is not desirable on the surface of the transformer tank. These will have adverse effects on surfaces & ultimately lead to shortening of service life. The shot blasting is an effective process which helps in removal of harmful rust flakes. The proper painting gives aesthetic look of assemblage. It increases the service life of the Transformer by insuring protection against undesirable influences of the environment.

After ensuring that the active part is fully dry & moisture free, it is lowered inside a suitably designed & fabricated mild steel tank. These tanks are thoroughly cleaned & painted before testing, are filled in with freshly filtered oil. The connections to LV & HV terminals are made as per drawings & all relevant parts fitted in before the Transformer is sent for testing. Filtered & degassed oil is then filled into the tank under vacuum & this oil is circulated through the vacuum filter plants until the required insulation level is achieved.

TANKING & FINAL ASSEMBLY





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MAJOR CLIENTS



CERTIFICATION



Indian Transformer
Manufacturers Association



13828
Certificate No.
Mar. 06, 2018
Date of Initial Registration
Mar. 05, 2019
Date of this Certificate
Mar. 05, 2021
Certification Expiry Date
Managing Director/Director



TRANSPACIFIC CERTIFICATIONS LIMITED

Website: www.transpacificcertifications.com E-mail: info@transpacificcertifications.com
Accredited by Joint Accreditation System of Australia and New Zealand (JAS-ANZ) (Registration No. 0304203000)
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No use of Transpacific Certifications Limited is allowed to be conducted on or before the specified date, the Certificate shall be suspended/terminated.

Version 1.07



E2183
Certificate No.
Aug. 12, 2016
Date of Initial Registration
July 26, 2018
Date of this Certificate
Aug. 11, 2019
Certification Expiry Date
Managing Director/Director



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Version 1.07



O-0834
Certificate No.
Aug. 12, 2016
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Aug. 11, 2019
Certification Expiry Date
Managing Director/Director



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REGISTERED WORKS & OFFICE

Khasra No. 911-914
Karola-Bhinmal Road, Karola
Sanchoe, RJ, India - 343 041.



INTERNATIONAL SALES OFFICE

9, Harihar Lifescapes, 1st Floor, 3rd Khetwadi
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Contact :- Mr. Anand Selvaraj
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Email: anand.selvaraj@rajasthanpower.in



DOMESTIC SALES OFFICES

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