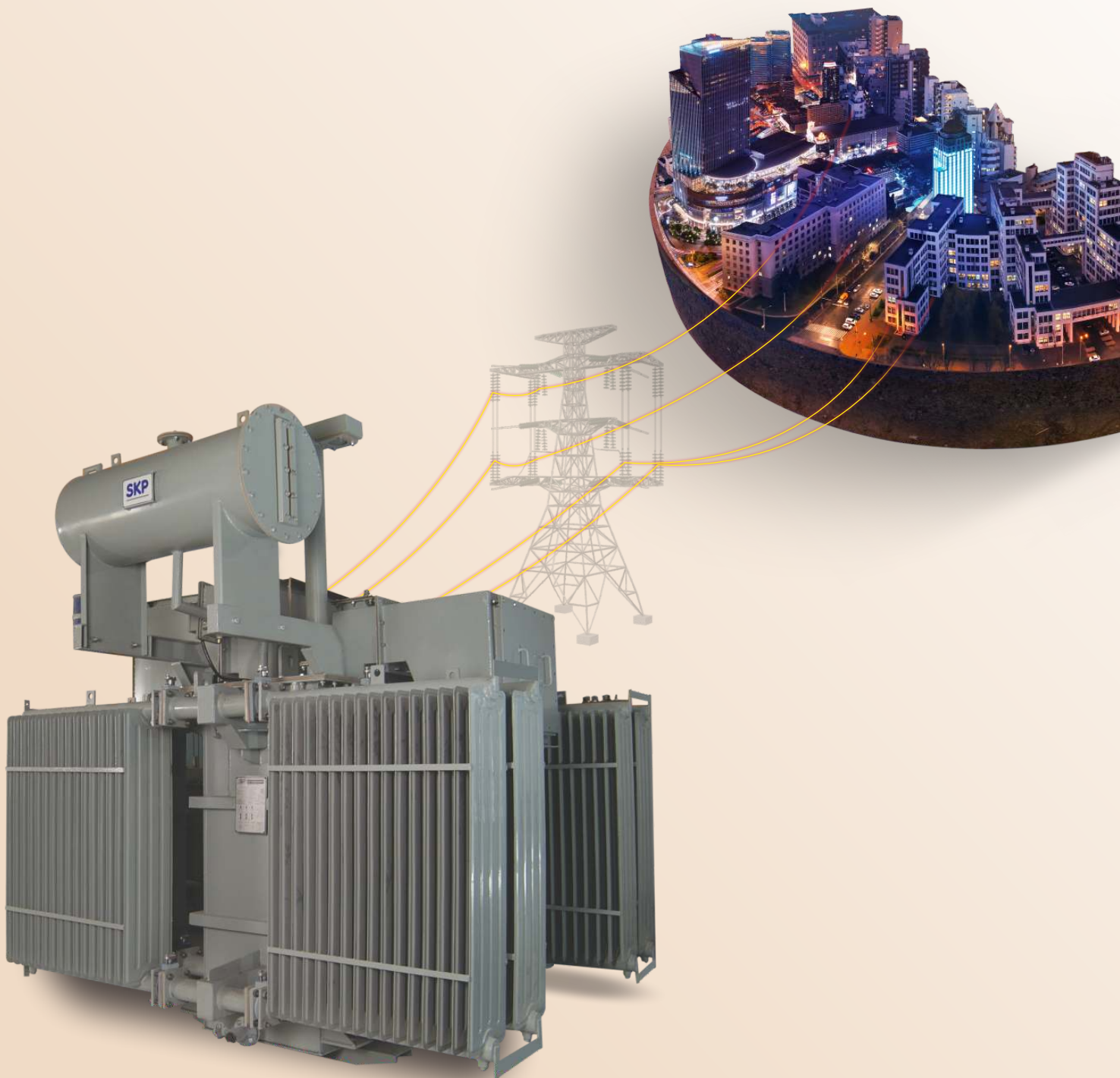




Connecting **Lives,**
Transforming **Futures**



www.skptransformers.com



COMPANY OVERVIEW

SKP TRANSFORMERS has more than 30 years experience and expertise in designing, manufacturing, testing, delivering and maintaining a wide range of Power, Distribution, Furnace Transformers up to 5000 KVA/ 33 KV class. We are ISO: 9001-2015 certified company. We are also BIS (Bureau Of Indian Standard) approved Transformer manufacturer.

SPECIFICATIONS

Transformers manufactured by us confirm to national & international specifications IS: 1180 (Part-1: 2014 with latest amendments, IS : 2026, IEC 60076 & BS : 171. We also design and manufacture transformers to meet customer's need.

DESIGN

Technological excellence prevails at every stage of the manufacturing process. The design of transformers are developed based on the latest technology, using fully computerized design & drawings.

Each transformer design is done utilizing the latest software available - which helps in meeting national and international Standards, to match customer's requirement.

Transformers are designed to withstand the rigorous conditions that may occur during service.

INDUSTRIAL APPLICATIONS

Wide range of Transformers up to 5000 KVA/33 KV class - having a wide scope in industrial use are manufactured by us.

PRODUCT CATEGORIES

- Power & Distribution transformers upto 33 KV and 5000 KVA ratings
- Furnace transformers up to 33 KV and 5000 KVA ratings.
- Package Sub Station/Compact Sub Station (CSS)
- Solar Transformers
- High & low voltage Testing transformers.

PRODUCT DESCRIPTIONS:

POWER TRANSFORMER

As per IS:2026 and IEC 60076 Part-1, Power transformer is defined as a static piece of apparatus with two or more windings which, by electromagnetic induction, transforms a system of alternating voltage and current into another system of voltage and current usually of different values and at the same frequency for the purpose of transmitting electrical power. Power Transformers can alter from one voltage to another at high power levels. It is used in Transmission grid to step down voltage from higher voltage levels to lower voltage levels.



5000 KVA Power
TRANSFORMER



3000 KVA
Distribution
Transformer
With OLTC

DISTRIBUTION TRANSFORMER

A Distribution Transformer is a Transformer that provides the final voltage transformation in electrical power distribution system, stepping down the voltage used in the distribution lines to the level used by the customers. The level of Primary Line voltages are 3.3KV, 6.6KV, 11KV, 22KV and 33KV in India and also 10KV, 15KV, 20KV, 33KV in abroad. The secondary voltages are 400V/ 415V/433V.

We manufacture distribution transformers as per IS:1180 (Part – 1, 2014) up to 2500 KVA and IS:2026 for rating above 2500 KVA in India and IEC-60076 for exports.



4600 KVA,
11KV/575V/575V
12 pulse Furnace
Transformer

FURNACE TRANSFORMER

Furnace Transformers are design for induction melting and induction heating for ferrous and non ferrous metal. We manufacture furnace transformers of different make furnace manufacturer with output voltage 415V, 460V, 575V, 850V, 1000V & any other voltage with 6 – Pulse and 12 – Pulse converter as per furnace requirement.

Electrostatic Shielding are provided between primary and secondary windings for protection of rectified elements against voltage surges in primary side windings



630 KVA
CSS

Compact Sub Station

We manufacture CSS (Compact Sub Station) As per customer requirement. CSS consist and enclosure containing VCB/LBS, transformer, low voltage switchgear, connections and auxiliary equipments to supply low voltage power from high voltage system. CSS are design for Indoor/Outdoor applications. CSS reduces space, construction requirements, cable costs, transmission losses and installation costs.

DRY TYPE TRANSFORMERS

We manufacture Dry Type Transformers up to 3.3KV with both resin cast & VPI System as per IS:11171 & IS:2026. Dry type transformer reduces maintenance costs and installation space.

SOLAR TRANSFORMERS

Solar/Wind Transformer is mean for converting the low voltage into high voltage and fed into a power grid. The transformers are converter duty and design to resist harmonic current caused by Rectifier/Inverter. The transformers are design for multi winding to make 6 – Pulses to 12 – Pulses transformer. Copper static shield provided between primary and secondary to protect transformer against disturbance.



3000 KVA, 800V/11kV
Inverter duty
Solar Transformer



SPECIAL DUTY TRANSFORMERS/CUSTOMIZED TRANSFORMERS

We manufacture any type of special duty transformer as per customer requirements. The details of special transformers manufacture by us are as follows:

- **High Impedance Transformer:**

We manufacture transformer up to 100% impedance for ONGC Ltd. And Gas Filled Areas.

- **High Voltage Transformer:**

We manufacture HV Testing transformer up to oil cooled 100KV

- **High Current Transformer:**

We manufacture special duty low voltage high current transformer up to 8000 Amp.

MANUFACTURING PROCESS

Core Building

The Cold Rolled Grain Oriented (CRGO) lamination cut by microprocessors controlled slitting and cropping line with a very high dimensional accuracy is used to build core.

Core laminations are assembled carefully and the built up core is erected along with the platform to avoid mechanical stress on the core. Both legs and yokes and clamped by resin impregnated fiberglass taps instead of conventional yoke bolt to avoid local hot spots and bolt insulation failures.

Coil winding & Assembly

Spiral, Cross-over, Helical, Continuous Disc winding with multiple copper conductors are usually adopted for transformers. The coil are Lowred on the core legs.

After top yoke filling is completed, the coil are precessed. Connection from winding to various terminal and bushing stap changers are made by paper insulated flexible conductors.

We take care for drying individual coil and insulation components to ensure that they match the duty cycle and short circuit forces, which the winding may encounter in service.

The core and coil assembly is dried through a very efficient drying oven, which ensure extraction of moisture to zero level.

After drying process, winding, clamping and connection are checked and tightened before lowering into tank.

Filtered and degassed oil is then filled into the tank under vacuum and this oil is circulated through the vacuum filter plants until the required insulation level is achieved.

Final Assembly

During final assembly all pipe work, bushings and radiators are fitted to the transformer.



Testing

The testing laboratory is complete with the necessary equipments and high accuracy, precision instruments and testing facilities to conduct all the routine and Temperature rise type tests as per relevant standards for transformers. All the testing equipments are duly calibrated regularly at NABL accredited laboratory. We have carried out third party testing with TPI agencies like Tata Projects, SGS, CEIL, RITES, Ray Infra, MaRS, WASMO, etc. We have also carried out TYPE tests on Distribution Transformers at CPRI Bhopal & ERDA & ERTD, Vadodara.

Coil winding & Assembly



Core Building



Final Assembly



Testing





CLIENTS

With wide experience in the field, we have supplied Transformers in Government, Semi Government, Private and corporate sectors viz ONGC, R&B, GWSSB, L&T, Adani Infrastructure, Astral, Tata Teleservices, Etc.

Exports: We have exported Transformers in Uganda, Tanzania, Kenya, Ghana, Euthopia, Turkey and Nepal



SKP TRANSFORMERS

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DESPATCH

Adequate infrastructure has been developed to ensure safe dispatch & delivery of consignment.



REPAIR SERVICE

Realising that a large number of Transformers of other makes were lying in unusable condition for want of adequate reconditioning, service or repair facilities with some of the customers, we have embarked upon expanding our services in this field also.



QUALITY POLICY

SKP Transformers is an ISO 9001-2015 certified company. Our quality policy is to supply products as per customer specifications. We determine to strive continuously achieve more & more customer satisfaction by motivating one work force and proper utilization of resources.