



Dry and Oil Type
TRANSFORMERS

Sudhir - Powering the Nation

Sudhir is a name synonymous with power. It stands tall in the Indian Power Generation Sector, providing complete turnkey electrical solutions from GENERATION, DISTRIBUTION to ELECTRIFICATION. An industry leader in the field of setting up Diesel based Captive Power Plants up to 40 MW and having its corporate office in Gurugram. The company has a wide blue-chip customer base and operates through multiple manufacturing facilities across India, and focuses on Diesel & Gas Generators, HT & LT Switch boards, Transformers, Packaged Substations and Turnkey EPC contracts.

The product line includes the widest range of Diesel Gensets 7.5 - 3000 KVA with a fuel option of gas, complete range of HT 11KV & 33 KV Panels, LT Switchboards, Oil & Dry Type Transformers, Packaged Sub-stations and Turnkey EPC contracts covering electrical and mechanical service of Generation, Distribution & Internal Electrification. Five ultra-modern state of the art manufacturing plants strategically located in Silvassa, Jammu and Manesar help serve over 100,000 customers.

Sudhir Transformers - At a Glance

Offers a complete range of power and distribution transformers designed to grant the reliability, durability, and efficiency required in utility, industrial, and commercial applications.

Sudhir is a major transformer manufacturer & offers both oil-filled and dry-type transformers as well as services for life-cycle support, including all parts and assemblies.

- First company to manufacture Dry Type Transformers (Mould-less Resin Encapsulated) in India.
- Proven expertise in design for special duty & Multi Winding Transformers for applications like variable speed drives, furnace duty & converter duty.
- Designs tested at CPRI as per IS 2026, IS 1180, IS11171 IEC60076-11 & ECBC.
- ISO 9001 : 2008 accredited by DNV.GL
- Proven high product reliability.
- Approved with all leading consultants & major supplies to steel plants & thermal power plants.



Product Range >

- Dry Type Cast Resin upto 5 MVA, 33KV class
- Dry Type VPI upto 5 MVA, 11 & 22 KV class
- Oil Type upto 20 MVA, 33 KV class
- Solar Transformers - Inverter duty - upto 7MVA, 33 KV, 2,3 or 4 windings.
- Drive Transformers - Converter duty - upto 36 pulse 18 secondary's
- Multi Tap Transformers
- Corrugated Tank Transformers



OIL TYPE TRANSFORMERS

Our oil type transformer offers perfect solution for any application. High efficiency & low cost transformer form part of our wide range.



Customised Solutions

Voltage regulation is provided with winding tapings as per customers' specifications generally at $\pm 5\%$ of input voltage. As a standard, tap changing is effected by means of externally hand-operated 'OFF-CIRCUIT' tap changing switch. On Load Tap Changers (OLTC) with a variety of steps that provide optimum control.

All tap changing switches have indicators and locking device. Special multi-tapping transformers are also in the product range, besides the special duty transformers.

Quality Assurance

Every transformer undergoes a series of tests throughout the manufacturing process, right from raw material stage. All routine tests are carried out at our works as per IS 1180, IEC 60076-11 and other international specifications. Type tests for impulse withstand and short circuit strength etc., have been conducted on representative ranging and voltage national test houses.

DRY TYPE TRANSFORMERS

- **Cast Resin Transformer (CRT)**
- **Vacuum Pressure Impregnation (VPI)**

A full range of dry-type transformers with primary voltages through 72.5 kV built according to all major standards including IS, IEC and ANSI. are offered to minimize environmental contamination and fire hazard.

These transformers meet strict parameters with respect to electrical system demands and functioning in areas with extreme climatic conditions.

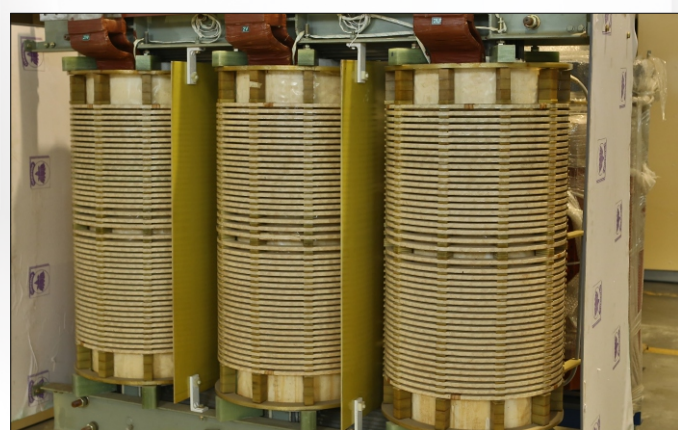
Sudhir's cast resin transformers are virtually maintenance free and are manufactured in accordance with industry and international standards using a latest casting plant from Hedrich GmbH Germany.

The dry-type transformers are moisture-proof, suitable for operation in humid or heavily polluted environments. They are the ideal for operation in environments with humidity higher than 95 % as well as at temperatures down to -25 °C. There is less space and less civil work needed, no special safety features are required (fire detection). They are maintenance free and extended life is due to low thermal and dielectric ageing. Looking at these advantages customers are specifying dry-type transformers more frequently.



Advantages of Dry Transformers

- These state of art Transformers provide the best solutions in the most demanding applications.
- Insulation offered is class F (115 °C) class H (145 °C) & class C (200 °C)
- Minimum partial discharge
- High mechanical & short circuit strength
- Resistant to dust and humidity
- Safe equipment which can be placed closed to the load
- Flexibility in variable load situations
- Reduced size & weight or better space utilization
- Maintenance free under normal conditions
- Comply to IEC 60076-11 & 11171-1985





Cast Resin Transformers range up to 5000 KVA (Air Natural/ Air Forced) with a maximum voltage rating of 36 KV/ 170 KV BIL.

It's more than just a technology. It's a concept of safety, reliability and conformity for over 35 year with the principles of environment protection. VPI design transformer manufacturing range is upto 6.5 MVA, 11 & 22 KV class. CRT design transformers ranging from 25 KVA to 5 MVA/ 11,22 & 36 KV class.



Valued Customers

| | | | | | | | |
|----------------------|--|--|--|---|--|---|---|
| STEEL |  सेल SAIL |  एन एम डी सी NMDC |  JINDAL STEEL & POWER |  VIZAG STEEL Pride of Steel |  JSW Energy | | |
| CEMENT |  PRISM CEMENT |  UltraTech ADITYA BIRLA GROUP |  LAFARGE CEMENT |  ABG Cement |  HEIDELBERG |  WONDER CEMENT BE PERFECT ORIGINALLY | |
| THERMAL POWER PLANTS |  RELIANCE Energy Anil Dhawan Ashwari Group |  BGR ENERGY |  APGENCO |  HPGCL |  एन टी पी सी NTPC | | |
| SOLAR POWER PLANTS |  एन टी पी सी NTPC |  ORANGE RENEWABLE |  SIEMENS Gamesa RENEWABLE ENERGY |  BOSCH Invented for life |  ACME Leading Through Innovation |  MYTRAH |  vikram solar CREATING CLIMATE FOR CHANGE |
| EPC CONTRACTORS |  SIEMENS |  SMS Siemag |  ABB |  LARSEN & TOUBRO |  बी एच ई एल BHEL | | |
| REALTY |  DLF BUILDING INDIA |  OMAXE Turning dreams into reality |  bharti |  MGF CREATING A NEW INDIA |  supertech Power. For Life. |  BESTECH | |
| OTHERS |  AVANTHA GROUP COMPANY |  NDPL |  CESC LIMITED |  Schneider Electric |  AMITY UNIVERSITY |  BSES | |

Sudhir Power Limited

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E-mail : info@sudhirpower.com, Website: www.sudhirpower.com

Marketing Office : 507, International Trade Tower, Nehru Place, New Delhi - 110019 Tel : 91-11-41508000 (10 Lines)

Plant 1 : Plot No.8, 9 & 10, Survey No. 144/1/2/1/2 & 144/1/2/10, Athal Industrial Estate, Village - Athal, Post: Naroli, Silvassa 396230

Plant 2 : Plot No. 444/1/4, Masat Industrial Area, Masat-Silvassa, Dadra & Nagar Haveli - 396230

Regional Offices :

AHMEDABAD

1A & 1B, Safal Prelude, Opp. SPIPA
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CHANDIGARH

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