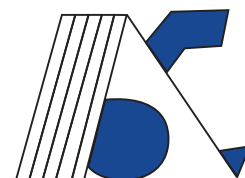




EXCELLENCE IN
POWER SECTOR
SINCE 1993



ABC TRANSFORMERS PVT LTD





POWERING PROSPERITY

ABOUT US

ABC Transformers had a humble beginning in the year 1993 and started manufacturing Distribution Transformers up-to 100 KVA. In a period of 20 years the company has grown to manufacture Power Transformers and Other Power Conditioning Equipments.

ABC is continuously growing at a healthy rate and the enjoys repeat business from almost all of its clients. The steady rise in market size and product range indicates financial strength and stability.

Our huge client list with numerous repeat orders and growing geographical reach are a testimonial of our Product Quality and Customer Satisfaction.

The company has entered into manufacturing of Extra High Voltage (EHV) range transformers. We are implementing Lean Manufacturing and are committed to quality and continuous improvement. Today the company has enhanced its capacity up-to 50 MVA in upto 132 kv Class.



Unit 1



Unit 2



VISION & MISSION

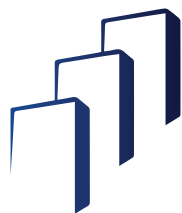
VISION

To emerge as the preferred one stop brand for all Power Equipments needs with complete focus on Customer Satisfaction, Product Innovation, technological Excellence & environmental consciousness.

MISSION

To focus on Delivering Quality Product in the Competitive market. Adding eco friendly products to our product range and building a technically strong and self motivated team.

MILESTONES

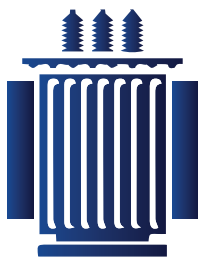
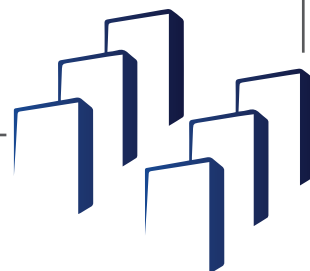


1993

The foundation stone of ABC Transformers was laid down and it came into production on 15th July 1993.

Moved into a bigger premises and started production there.

2000



2005

Started Manufacturing and ReManufacturing of Power Transformers up-to 10 MVA in up-to 33 KV Class.

Started Manufacturing of Servo Voltage Stabilizers.

2010



2013

Unit II of ABC Transformers Pvt. Ltd. was setup at B-38, Sector 57, for Manufacturing and Repairing of Distribution Transformers.

Remanufactured its first 30 MVA Transformer and Bagged a running contract for Remanufacturing transformers upto 25 MVA in upto 66 kV Class.

2014



Our products are designed with
environmental sustainability
and efficiency in mind

MANUFACTURING PROCESS



Raw Material
Inspection



Core Assembly



Winding



Tank Fabrication



In Process
Quality Check



Core Coil Assembly



Removing Moisture
In Oven



Tanking



Centrifuging An
Filling Of Oil



Testing



Paint & Dispatch

HIGHLIGHTS

Experience Of Over 2 Decades In The Transformer Industry

ABC was incepted in 1993 with a vision of contribution honestly and effectively to the Indian Power Industry. Over the years ABC has gained vast experience and knowledge in manufacturing of Power and Distribution transformers and other Power Conditioning Equipments via various technology transfers and in house R & D. The company started with its first order of 25 kVA Transformers and today in just 20 years has increased its capacity to 50 KVA in 132 kV Class.

Excellent Human Resources

We at ABC believe that a good human resource is the key for any company's growth and hence is also one of our key strengths. Our Directors are all technocrats and have ensured to hire equally trained and qualified Engineers for Designing and testing purposes. It is the dedication and hardwork of our team which has enabled scale such heights.

Modern Infrastructure And World Class Testing Equipment

To compliment ABC's Vision of Providing World class Transformers we have created a Modern Infrastructure at its two works and have installed the best in class Testing equipments. The Infrastructure not only eases the manufacturing process but helps in ensuring the quality standards of the highest levels.

Capacity and Delivery Time Frame

We are not only committed to quality transformers but maintain uninterrupted supply which does not effect your project implementation. We have a system to send you a delivery time frame every time you ask us for a quotation and upon order strive to provide you the transformer well in time.

We have a combined capacity of about 12,000 MVA per annum. ABC Transformers has the manufacturing capabilities to produce any size order.

We are cost efficient in providing both small and large quantities. We are extremely competitive in producing high volume runs. We understand the importance of meeting your production schedule so before you place an order with ABC, you can be assured that it will be completed and delivered before time.

ALL YOU HAVE TO DO – IS GIVE US THE OPPORTUNITY TO SERVE YOU ONCE.



PRODUCTION

From design to delivery, we offer quick turnaround times to meet your urgent needs



We Focus on Total
Customer Satisfaction

QUALITY ASSURANCE



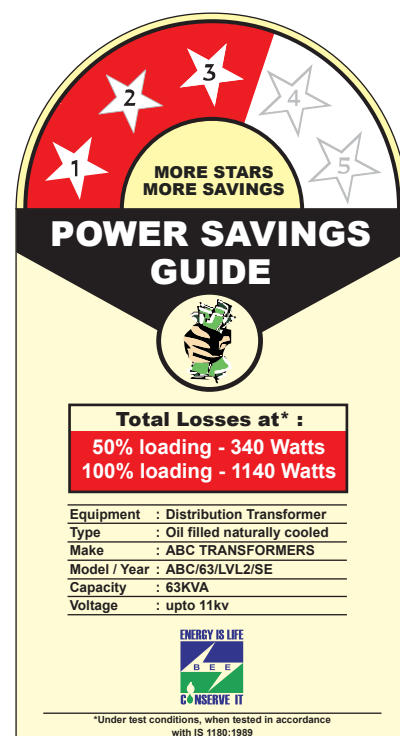
ISO 9001 : 2008 Certified Company

Our works are equipped with the **latest world class instruments** for testing of transformers up-to 50 MVA in up-to 132 KV Class . We have strict quality norms and a separate quality department ensures quality at each stage of manufacturing. Each product is subjected to tests conforming to **IS : 2026 / IEC : 60072** or relevant standards by qualified and skilled engineers using precision grade instruments. **5S** has been Implemented across the plant for continuous improvement. Few of our latest additions to the existing testing equipment fleet :

- Analyser by Yokogawa , Japan
- Insulation Resistance Tester (with PI) by Meggar, USA
- Tan Delta Test Set by ELTEL
- High Voltage Test Set (500 KV)

BEE & BIS APPROVAL

We also have a fleet of Transformers approved from the Bureau of Energy Efficiency and Our Distribution Transformers are now BIS approved



* Actual Approved Specimen of BEE Label

TYPE TESTED PRODUCTS



Following is a list of Transformers type tested at CRPI , ERDA and NTH:

- 5000 KVA 33/11 KV Power Transformer
- 1000 KVA 33/0.433 KV Distribution Transformer
- 900 KVA 11/ 6.6 - 0.415 KV Dual Voltage Transformer
- 400 KVA 11/0.433 KV Distribution Transformer
- 250 KVA 33/0.4 KV Auxiliary Transformer
- 250 KVA 11/0.433 KV Transformer
- 100 KVA 11/0.433 KV Transformer
- 63 KVA 11/0.433 KV Transformer
- 25 KVA 11/0.433 KV Transformer
- 100 KVA 11/0.433 KV Transformer



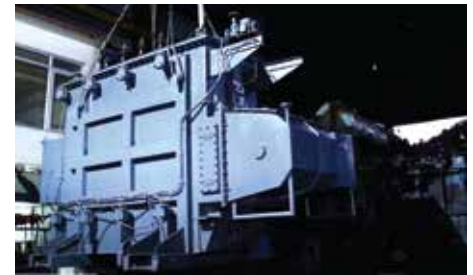
INFRASTRUCTURE



Dust Free Winding Section



In House Designing Facility



Material Handling Capacity upto 60 tons



Modern Automated Testing Facilities



Vaccum Oven



- Energy Efficient Transformers and Stabilizers
- Full Capacity Equipments
- Strict Quality Control
- Usage of best available Raw Materials
- Thousands of Satisfied Clients World Over
- Competent Technical team


ABC Transformers Pvt. Ltd. offers a wide range of Power and Distribution Transformers and AVR's.



PRODUCT RANGE

TYPE	RANGE	VOLTAGE CLASS
Power Transformers	upto 50 MVA	upto 132 KV
Distribution Transformers	upto 5 MVA	upto 33 KV
Dry Type Transformers	upto 2.5 MVA	11 KV
Isolation Transformers	upto 2.5 MVA	upto 11 KV
Furnace Transformers	upto 10 MVA	upto 33 KV
HT - AVRS	upto 5 MVA	upto 33 KV
LT - AVRS	upto 2.5 MVA	0.4 , 0.415 & 0.433 KV
Servo Voltage Stabilizer	upto 2.5 MVA	0.4 , 0.415 & 0.433 KV





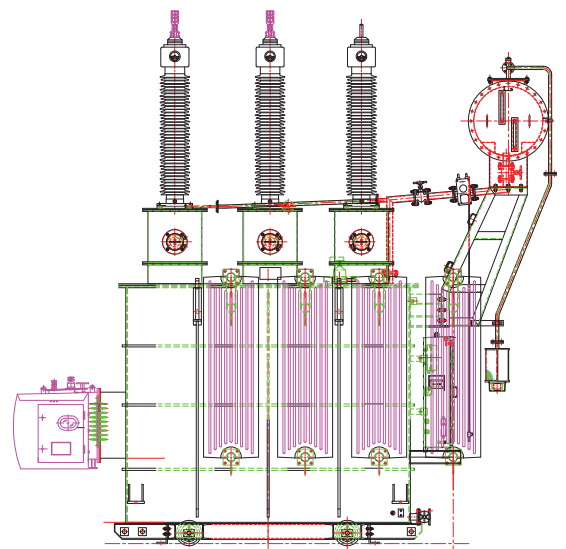
We Commit to provide highly Reliable
and Robust Transformers with
Prominent Services.

POWER TRANSFORMER

A Power Transformer is used in transmission network of higher voltages for step up and step down applications. Backed by decades of experience and expertise in transformers, ABC has developed a comprehensive range of Power and Extra High Voltage Transformers. These products are engineered to perfection and are developed using qualitative raw material and advanced manufacturing facilities and techniques.

Technical Specifications

Ratings	Upto 50 MVA (50, 000 kVA)
Voltage Class	33 , 66 , 100 , 110 , 132 kV (Other as Required)
Applicable Standards	IS2026 , IEC 60076, ANSI IEEE
Cooling	ONAN, ONAF - Oil Natural Air Forced (Other as required)
Service	Outdoor / Indoor
Frequency	50Hz , 60 Hz
Vector Group	Dyn5 / Dyn11 / YNyn0 (Other as required)
Winding material	Copper with Multi paper covering
Taping range	Off circuit and On load Tap Changers as per customer spec.
Impedance	In line with applicable standards.



Standard Fittings:

Earthing Terminals, Plain Oil Level Gauge, Air Release Device, Rating and Terminal Markings Plate, Silica Gel Breather, Drain cum Sampling Valve, Thermometer Pocket, Oil Filling Hole, Lifting Lugs, Explosion Vent / Pressure relief Device , Conservator with oil filling hole, Rollers (Plain / Flange), Jacking Pads , Shut off valve, Pressed Steel Radiators (Detachable), Equalizer pipe , OTI , WTI , Marshalling Box , Buchholz Relay, MOG , Inspection Cover , Off Circuit Tap Changer

Optional Fittings:

On Load Tap Changer, RTCC Panel, Cooling Fans (in case of ONAF), Air Cell, Scada Compatible OTI & WTI , RTD for oil & Winding

We are committed to Design,
Manufacture and Supply Transformers
of agreed Quality on time.



DISTRIBUTION TRANSFORMER

The final transformer in the Power distribution system that steps down the voltage to the voltage level usable at our homes / offices is called Distribution Transformer.

ABC Make Distribution Transformers are manufactured using qualitative material and tested on various parameters for efficient working life. This energy efficient and durable Transformers are capable of withstanding extreme voltage supply.

Technical Specifications

Ratings	Upto 5000 kVA
Voltage Class	6.6 , 11 , 15 , 20 , 33 kV (Other as Required)
Applicable Standards	S1180 , IS 2026, IEC 60076
Cooling	ONAN - Oil Natural Air Natural
Service	Indoor / Outdoor
Frequency	50 Hz , 60 Hz
Vector Group	Dyn5 / Dyn11 (Other as Required)
Winding material	Copper / Aluminium Off circuit and On load Tap
Taping range	Changers as per customer spec.
Impedance	In line with applicable standards.

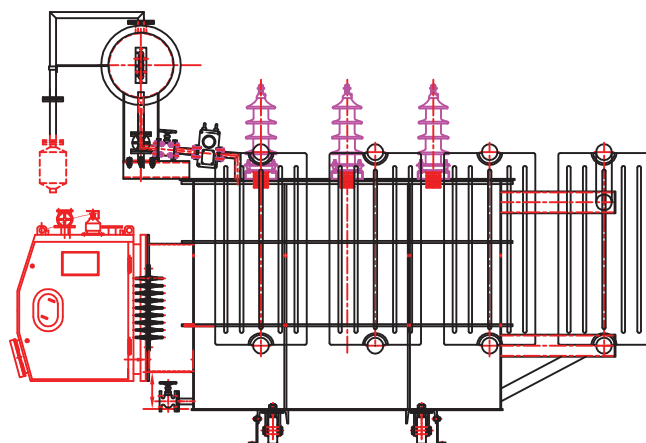


Standard Fittings:

Two Earthing Terminals , Oil Level Gauge, Air Release Device, Rating and Terminal Markings Plate, Breather, Drain cum Sampling Valve, Thermometer Pocket, Oil Filling Hole, Lifting Lugs, Explosion Vent / Pressure relief Device , Filter Valve, Arcing Horns , Off Circuit Tap Changer

Optional Fittings:

Bird Guard, Terminal Connector, OTI, WTI, Buchholz Relay, MOG, On Load Tap Changer, HT / LT Breaker, Expulsion fuse



Specializing in reliable solutions with
maximum efficiency
and availability.

AMORPHOUS CORE TRANSFORMERS

ABC's focus on energy efficiency has enabled it to develop Amorphous Core Transformers which help in achieving very low No Load Losses. ABC has set up state of the art plant for manufacturing Core Transformers.

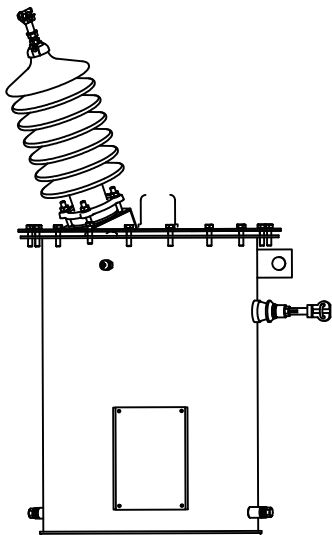
Technical Specifications

Ratings	Single Phase: 16 kVA – 150 kVA
	Three Phase: 25 kVA – 1000 kVA
Voltage Class	6.6 , 11, 15 , 20 , 33 k
	(Other as Required)
Applicable Standards	IS1180 , IS 2026, IEC 60076
Cooling	ONAN - Oil Natural Air Natural
Service	Indoor / Outdoor
Frequency	50 Hz , 60 Hz
Vector Group	Dyn5 / Dyn11 (Other as Required)
Winding material	Copper / Aluminium
Taping range	Off circuit and On load Tap
	Changers as per customer spec.
Impedance	In line with applicable standards



SINGLE PHASE TRANSFORMERS

In non-urban areas where electrical demand is lower, utilities install Single Phase transformers. ABC has installed special winding machines for manufacturing single phase transformers. These can be both wound core or stack core.



Technical Specifications

Ratings	16 - 150 kVA
Voltage Class	6.35 , 11, 15 , 20 , 33 kV
	Other as Required)
Applicable Standards	IS1180 , IS 2026, IEC 60076
Cooling	ONAN - Oil Natural Air Natural
Service	Indoor / Outdoor
Frequency	50 Hz , 60 Hz
Vector Group	lio (Other as Required)
Winding material	Copper / Aluminium
Impedance	In line with applicable standards.

Our products are designed with
environmental sustainability
and efficiency in mind



DRY TYPE TRANSFORMER

ABC Make dry type transformers are manufactured using F (Fiber) or H (NOMEX) class insulation with or without enclosure as per the site / client requirement. Our transformers can help you save space because we design our units so that they work more efficiently and generate less heat. Sturdily constructed using the best quality components, these transformers are also custom made as per the specifications provided by the clients. These are mainly used at Indoor locations or areas which are densely populated.

Technical Specifications

Ratings	Up-to 2500 kVA
Voltage Class	3.3 , 6.6 , 11 kV Class (Other as Required)
Applicable Standards	IS 11171, IEC60726
Cooling	AN - Air Natural, AF – Air Forced
Service	Indoor, IP 23 (Other as Required)
Frequency	50 Hz , 60 Hz
Vector Group	Dyn5 / Dyn11 (Other as Required)
Insulation Class	F Class / H Class as per requirement
Winding material	Copper / Aluminium
Taping range	Off circuit or On load Tap Changers as per customer spec.
Impedance	In line with applicable standards.



Salient Features & Advantages of OVDT VPI Dry Transformers:

- Ease To Maintain
- No Danger Of Fire Or Explosion
- No Flammable Liquids
- Environment Friendly
- Higher Dynamic Short Circuit With Mechanical Strength
- Moisture Ingress Resistance And Immune Against Polluted Atmosphere
- Long Transformer Life Because Of Lower Thermal As Well As Dielectric Ageing
- Lower Partial Discharge
- Easy To Repair



Say No to Voltage Fluctuations
Get a SERVO

SERVO VOLTAGE STABILIZERS

Voltage stabilizers are an effective solution to voltage fluctuation problems. They are designed to current a wide range of Input Fluctuations to maintain specified output voltage. The output voltage waveform is completely distortion free and the regulation is unaffected by the load power factor.

We manufacture both, Rolling contact type voltage controllers as well as Dimmer / Variac type Servo Voltage Stabilizers. ABC make Servo Voltage Stabilizer is an elegantly designed, high quality product incorporating state of the art technology and the best available raw material to deliver accurate voltage under conditions of low, high or unbalanced voltage. They can also provide protection in situation of Single Phasing, High / Low Voltage, Over Loading and Short circuiting. Apart from the standard product, these can also be custom built to suit specific requirements.

Technical Specifications

Ratings	Up-to 5000 kVA
Input Voltage Range	200-480 V , 240 – 480 V , 280 – 480 V 300-480 V , 320-480V(Other as specified)
Output Regulation	±1%
Cooling	Natural Air / Oil
Acceptable Frequency	47-53Hz
Correction Speed	9-30 V per second
Response time	10ms
Efficiency	More than 98%
Additional Facility	Manual Operation
Waveform Distortion	Nil
Duty Cycle	24 hours continuous on 100% load
Control Circuit	Micro Controller based, Plug in Card for on-line serviceability
Control Panel	Auto /Manual Mode Selection Switch Manual Output Voltage Adjustment Switch Output Voltage Adjustment knob ± 8 % of the seat voltage Voltmeter I/P /O/P reading Selection Switch Low /High Input Indicator Output Indicator

Optional Protections : High / Low Cut Off, Single Phase Preventer, Reverse Phase Protection , Overload Protection, Short Circuit Protection. Bypass System



Self lubricating carbon roller assemblies with
working life of 1 lakh track meters

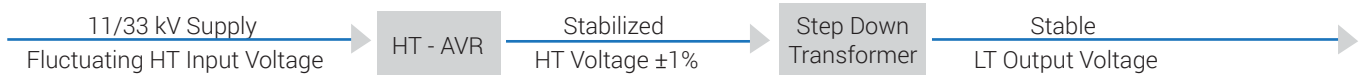
Dependable Products for all your
crucial Power Needs



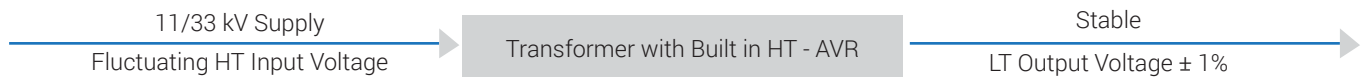
HT AVR / BUILT IN AVR

HT-AVR or High Tension-Automatic Voltage Regulators are the high-tension stabilizers that protect electrical equipment from irregularities of voltage. These voltage regulators supply a continuous and stable input voltage. We are involved in manufacturing a wide range of HT-Automatic Voltage Regulators.

HT-AVR are used to get stable input voltage, irrespective of the voltage received from electricity authorities. These regulators not only prevent electrical equipment from fluctuating and irregular Voltages but also the transformer and thus increasing its life and efficiency.



A **Built in AVR** is a combined unit of HT AVR and Step Down Transformer. Together it gives you stabilized LV output even when the HT voltage input is




Technical Specifications

Ratings	Up-to 5000 kVA
Input Voltage Range	8-12kV , 9-12kV , 9.5-12kV , 28-35kV 32-35 kV (Other as specified)
Output Regulation	±1% or ± 0.5%
Cooling	Natural Air / Oil
Acceptable Frequency	47-53Hz
Correction Speed	6-18 V per second
Response time	10ms
Efficiency	More than 98%
Additional Facility	Manual Operation
Waveform Distortion	Nil
Duty Cycle	24 hours continuous on 100% load
Control Circuit	Micro Controller Based ,Plug in Card for on-line serviceability

Control Panel	Auto /Manual Mode Selection Switch Manual Output Voltage Adjustment Switch Output Voltage Adjustment knob ± 8% of the seat voltage Voltmeter Input /Output reading Selection Switch Low /High Input Indicator Output Indicator
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We offer Customized Products to
Suit your Specific Needs.

SPECIAL PURPOSE TRANSFORMERS

ABC designs and manufactures custom designed special purpose transformers to suit your specific needs. With in house design team, we have immense technical capabilities to develop any customized transformer. Few of them are listed below:

Inverter Duty Transformers

These transformers are specially designed for Solar and Wind Energy Applications. These can be designed with multiple windings (3,4,5 etc) on primary side of the transformer which enables to connect multiple inverters to the grid. Earth Shield is provided between the HV & LV windings to reduce the harmonics & path to ground any residual resonance.

Furnace Transformers

We have designed these transformers specifically to withstand the exceedingly severe conditions accompanying metallurgical steel melt process. These transformers for AC Electric arc furnaces are utilized throughout the steel industry. High Secondary currents and wide range of secondary voltages are kept in mind while designing.

Convertor Duty Transformers

We offer automatic convertor duty transformers that are designed for one or more secondary windings to be connected to rectifier loads. Our convertor duty transformers are suitable for 3 Pulse / 6 Pulse / 12 Pulse / 18 Pulse drive configuration.

PSS – Packaged Sub Station

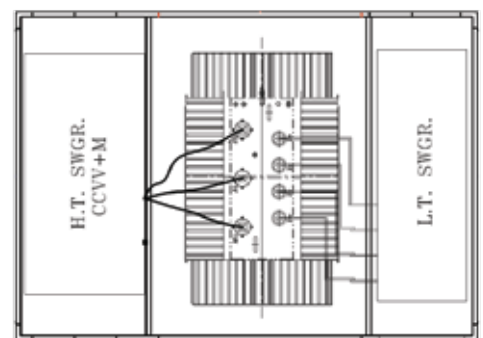
These are complete substations with compact size typically installed in locations accessible to the public and ensure protection according to specified service conditions. A PSS /CSS typically has 3 compartments: HT Compartment (RMU, VCB, Load Break Switches) , Transformer Compartment (Dry or Oil Cooled transformer) and LT Compartment (ACB, MCCB, Fuse Unit, APFC).

Isolation Transformers

Isolation transformers are mostly used for decoupling two circuits. ABC Make isolation transformer is a protection against switching power supplies, electrical noise, transverse voltage and voltage disturbances. It helps protect your sensitive equipment like CNC machines from the voltage transients, spikes / surges produced in the system.

Customized Transformers

We have the ability to offer customised products to suit client's specific needs. With in-house design and testing facilities we tailor make the transformers to cater to various applications.







We are Driven to Serve you better and
keep your Industries running

REMANUFACTURING OF DISTRIBUTION AND POWER TRANSFORMERS

Along with design and manufacture of new transformers, ABC has also developed extensive capabilities in repair and re-engineering of damaged transformers of all makes. ABC has been repairing Distribution & Power transformers since 1993 and has repaired transformers from 10 KVA to 40,000 KVA (40 MVA) in up-to 132 kV voltage class.

Our vast experience and repair processes allow us to reverse engineer and improve/ modify designs of existing transformers in extremely short intervals. Our repair process is geared towards ensuring longevity of the refurbished transformer at the most cost effective price and every care is taken to reuse components that are fine and replace defective components with high quality replacements.



Our products are designed with environmental sustainability and efficiency in mind



GLOBAL PRESENCE

Products manufactured by us have been exported to over 14 Countries. Transformers can be manufactured both as Indian Standards (IS) or as per International Standards (IEC).



ESTEEMED CLIENTS



ESTEEMED CLIENTS






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