

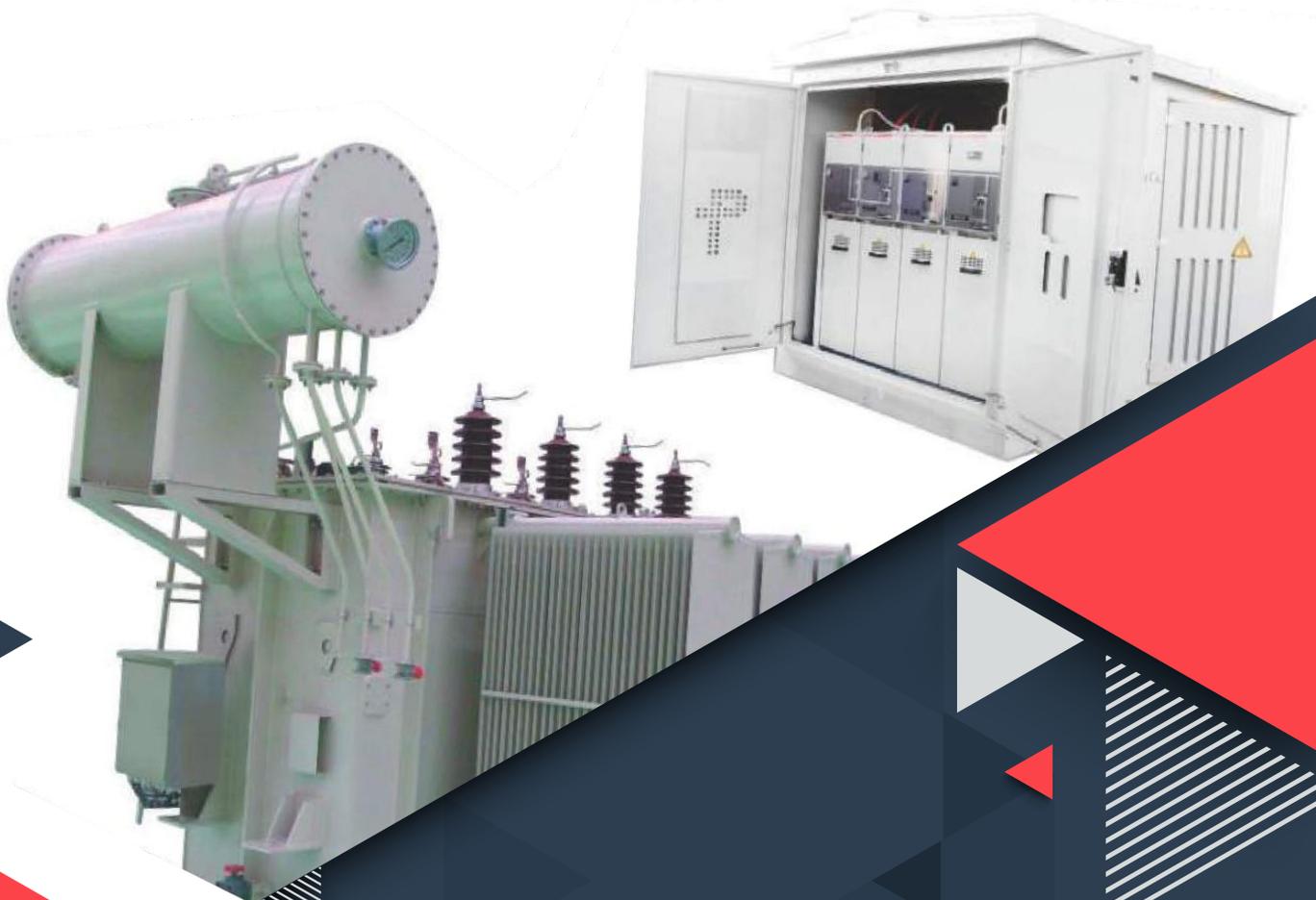


**THAKUR**  
ELECTRICAL INDUSTRIES

# THAKUR ELECTRICAL INDUSTRIES

*Powering your Business*

**YOUR PARTNER FOR ENERGY EFFICIENT,  
COST EFFECTIVE AND SUSTAINABLE  
POWER DISTRIBUTION SOLUTIONS**

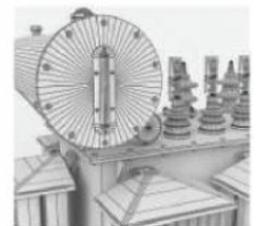
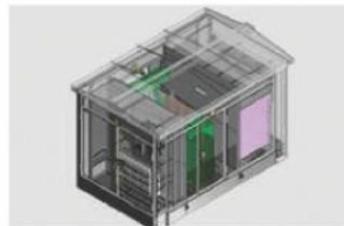
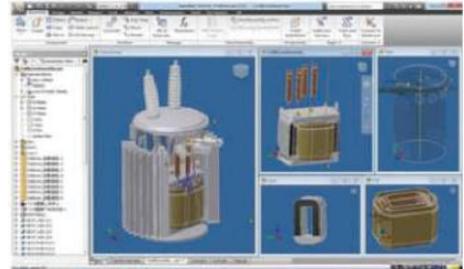


## ABRIEF INTRODUCTION:

Thakur electrical industries has covered many milestones since its inception to reach its present position of a leading manufacturer of Distribution Transformers, HT/LT Panels, Compact Sub-Stations & SERVO Voltage Stabilizers of capacity upto 10 MVA. The BIS ISI as per IS: 1180 (Part 1) & ISO 9001:2015 certified company is located in the Industrial town of Gwalior in MP. Our Transformers, Panels, CSS, SERVOS & allied products are reputed for their quality, reliability and durability. We are led by the motivational guidance of our C.E.O. & Managing Director, Manoj Thakur, whose technical background and command over technology, shrewd business judgment and domain knowledge have created an enviable position for the organization in the manufacturing & supply in the markets we are currently serving.

## TECHNICAL EXPERTISE IN DESIGNING & TESTING:

At Thakur electrical industries we've a team of highly skilled & experienced engineers who with the help of latest technology design the most efficient products for our clients. We've a modern and efficient Testing Facility equipped with high precision equipment to meet the requirements of IEC 76, IEEE, BEE, latest IS standards. A product is deemed fit for dispatch only after it has stringently passed all the requisite tests as per requirement.



### TECHNOLOGY YOU CAN RELY ON

(With our technical expertise we design transformers which are reliable in the long run.)



### GUARANTEED SHORT DELIVERY TIMES

(With comprehensive transformer stock levels, units can be dispatched in 5-9 days.)

## OUR MISSION

To be the trusted Engineering partner & deliver highly energy efficient power distribution solutions to our customers.

## INDUSTRIES WE SERVE

- Public Sector Utilities
- Real Estate Projects
- Turnkey Project Companies
- Telecom Towers
- Hydro Projects
- Solar Farms & Projects
- Wind Farm & Projects
- Engineering Units
- Cold Storage
- Tea Estates
- Hospitals
- Flour Mills
- Rice Sheller's
- Food Processing Plants
- Distilleries
- Water Pump House
- Hotels
- Pharmaceutical Units
- Furnaces
- Resorts
- Housing Societies
- Stone Crushers
- Electrical Sub-stations
- Railways
- Townships

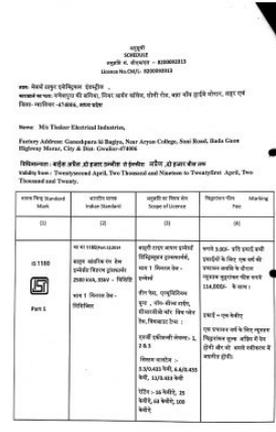
**QUALITY IN EVERYTHING WE DO:**

For us, Quality is more than just a buzz word; It's the way of doing things. Our focus on Quality starts from choosing the right raw materials, where we only procure material from ISI certified manufacturers. Then the manufacturing process is followed as per latest IS specifications. Finally the product is tested so that all the parameters are as per the best Quality standards. Our products are Type Tested from ERDA & CPRI & they carry certifications from BEE & the latest ISI mark BIS certification required for transformers.

**OUR QUALITY CERTIFICATIONS**



IS:1180 (Part 1)  
  
 CM/L-960006114



**STATE OF THE ART MANUFACTURING PLANT**

The 35,000 sq. ft. manufacturing plant located in Gwalior (MP), boasts of the state of the art machinery, which makes us equipped to handle any customer requirement, 24 x 7 x 365.

## DISTRIBUTION & POWER TRANSFORMERS

### PRODUCT RANGE:

> 6.3 kVA to 10 MVA in 11 KV, 22 KV, 33 KV

### APPLICABLE STANDARDS:

Thakur electrical industries transformers are manufactured & tested as per IS:2026, BS-171, IEC-76, IEC-726, ANSI, JIS & DIN internationally recognized Standards.

### RAW MATERIAL USED:

Only high-quality material of prime grade is used in the manufacturing of Thakur electrical industries products:

- Directly imported Prime quality CRGO from an International manufacturer.
- Directly imported EHV Grade Transformer Oil as per IS: 335.
- Copper/ Aluminum conductor as per IS: 6160.
- MS & other items from ISI certified manufacturers only.

### TRANSFORMER OPTIONS:

- Copper Wound / Aluminum Wound.
- DPC Insulated Conductor / Super Enamelled Conductor.
- Off Load Tap Changer / On Load Tap Changer.
- Pole Mounted / Ground Mounted.
- Tube Radiators / PSR Radiators / Corrugated Tank.
- Non-Sealed Type / Sealed Type.
- Bare Open Terminals / Terminal Box Fitted.
- Dyn 11 Vector Group / Ynd 11 Vector Group.

### STANDARD FITTINGS PROVIDED:

#### PROVIDED:

- Rating & diagram plate along with labels
- Earthing terminals – 2 nos.
- Pre-filled Silica-gel breather.
- Lifting lugs for complete transformer.
- Thermometer pocket.
- Oil filling pipe with cap on tank cover/ conservator.
- HV TERMINALS Outdoor Type Porcelain Bushings.
- LV TERMINALS Outdoor Type Porcelain Bushings.
- Bi-metallic connectors on HT side.
- Oil level indicator on the Oil Conservator.
- 4 set of wheels for movement.
- Drain cum sampling valve – 1 no.
- Filter Valve with plug – 1 no.
- Pressure relief explosion vent with diaphragm.
- Externally operated off circuit tap changer switch.
- Oil Temperature Indicator.

### OPTIONAL FITTINGS ON REQUEST:

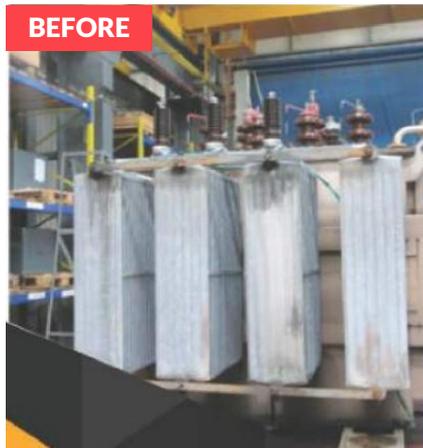
- Bucholz Relay.
- HV & LV Cable Boxes.
- Winding Temperature Indicator.
- Magnetic Oil Level Gauge.
- Marshalling Box.
- Disconnecting Chamber.
- Oil Temperature Indicator with Alarm Trip Contacts.



### REPAIR, RE-CONDITIONING & RE-FURBISHING OF OLD TRANSFORMERS:

We undertake repair & refurbishing of old transformers. Dehydration of Oil, rewinding of Coils, reassembly of Core & replacement of damaged parts is done. This extends the usable life of the transformer.

BEFORE



AFTER





# ENERGY SAVING TRANSFORMER

SUPER LOW LOSS  
ENERGY EFFICIENT

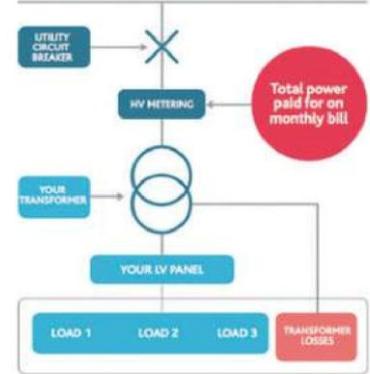


**ECO SMART** is our range of High Energy Saving Distribution Transformers, which have minimum Electrical losses.

### WHY SHOULD YOU PURCHASE A TRANSFORMER WITH LOWER LOSSES?

A Transformer, like any other electrical device has its own electrical losses. Due to the nature of the HT metering, as shown in the diagram, these electrical losses are charged in your electricity bill by the Discom. To avoid paying un-necessary high bills it is wise to use ECO SMART range of transformers, which offer you the lowest in class electrical losses. This leads you to save on your monthly electricity consumption, which in turn leads to lower electricity bill & also gives a longer life to the transformer. With ECO SMART Technology the transformer is designed in such a way, So that it's easy to take care of & maintain. Due to the high efficiency of ECO SMART Transformers, the entire cost of the transformer can be recovered in the shape of electrical savings, within 5-8 years.

### WHY DOES YOUR ENERGY ACCOUNT INCLUDE TRANSFORMER LOSSES?



## AWESOME CLIENTS



# 11 & 33 KV Line Material Supplier

## GOSWITCH/AIR BREAK SWITCH:

Capacity : 75 Amps & 400 Amps in 11KV, 22KV & 33KV configurations  
Conductor used : Copper Braided Strip in Male & Female contacts  
Material used in MS channel, Arm Clamps, etc: Mild Steel

Thakur Electrical Industries make GO Switches are manufactured as IS:992 1(Part4V) & IS:2500. The switches are sturdy in build quality & are apt to work under varied environmental factors. The switches are manufactured using high quality insulators, copper strip & MS steel. They're subjected to rigorous Routine Tests, so that they are able to work seamlessly.



# A CLASS ELECTRICAL & CIVIL CONTRACTOR

Thakur Electrical industries is a consultant for electrical projects & civil Projects also having "A" Class Electrical & civil Contractor License. Approved valuer providing end to end solution in electrical and civil project.

## CONSULTANCY SERVICES

- Drawing Designing Approvals
- Permission Test Report
- Sub Station Erection Installation
- Ht Line Erection & Maintains
- Cable Laying (HT & LT)  
(overhead & underground)



-  • HIGH QUALITY RAW MATERIALS USED
-  • TYPE TESTED EQUIPMENT FROM NABL LABS
-  • STATE OF THE ART MANUFACTURING FACILITY
-  • ALL PRODUCTS SUBJECTED TO RIGOROUS TESTING
-  • HIHGLY ENERGY EFFICIENT TRANSFORMERS
-  • BEE & BIS APPROVED PRODUCTS



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