

**PERFECT
PRECISE &
Power Technology**

INDIAN
Transformers
and Electricals
Pvt. Ltd. Gurgaon



ISO:9001 • ISO:14001 • ISO:18001



www.indiantransformers.com

TRANSFORMERS | VCBs, LBS | COMPACT SUB-STATIONS | STABILIZERS, AVR's | PANELS

We offer
best quality
products to our
customers

**TRANSFORMING
CLEAN & EFFICIENT
POWER
WITH EXCELLENCE
SINCE 1990...**

...CONTINUOUS EFFORTS, EFFICIENT TEAMWORK
AND ETHICAL PRACTICES MAKING IT POSSIBLE

Since the inception of ITE Gurgaon, we have remained true to our vision of Perfection & Precision. At the core of this accomplishment, is our passion of efficacy and sustainability to every solution that we set out to provide. Holding this into vigorous consideration of the technological advancements, we are proud to illustrate our MAKE IN INDIA 'Maximize Product Mix' to match evolving and implied needs of our customers.

We offer best quality products to our customers

04 We *about us*

05 offer *product
& services*

06 best *resources*

07 quality *process*

09 products *portfolio*

22 to our customers *clients*

24 & more *approvals
& registrations*

We offer best quality products to our customers

Indian Transformers and Electricals Pvt. Ltd, Gurgaon (ITE-Gurgaon) has remained a front-runner in upgrading technology & precision through persevering efforts for attaining perfection. We are a part of group of industries having diversified interest in the fields of textiles, shoe components (German Collaboration) and import-export

dedication

Our Vision

To become the most trusted major contributor in the power sector through quality products & energy efficient, eco-friendly solutions.

focus

Our Mission

Alongside our core activity of manufacturing, we provide diverse technical support in the field of electricity power. Utmost concern is accorded to customer satisfaction by offering customized solutions through state of the art technology, research & development under the supervision of qualified and dedicated engineers.

values

Creating Trust

We proudly hold high standard of work ethics. Respect and integrity are crucial in training of our team which is translated to the service provided to our customers.

We offer best quality products to our customers

We are committed to enhance customer satisfaction as per the implied needs of the customers by offering Pre-Sale Services, Product Sales and Post-Sale Services.

pre-sales service

- Understanding customer needs
- Sharing our valued experiences
- Offering customized solutions

product sales

- Best quality product
- Lower possible cost
- Prompt delivery

post-sale service

- Annual Maintenance Contract
- Repairs
- Stand-By Solution

We offer
best quality
products to our
customers

Ultra modern plant & machinery equipped with latest testing facilities, operated by experienced and well qualified engineers / technicians. All our products are best designed & are supported with trusted vendors.

team

Experienced designers & engineers
Dedicated & skilled personnel
Highest integrity & utmost courtesy

infrastructure

State-of-the-Art plant
Equipments to meet all relevant Indian & international standards

vendors

Competative and "Value Addition" capabilities
Ability to serve multiple companies
Material type testing by outside reputed labs

We offer
best **quality**
products to our
customers

Our quality products match up to the best product available in market. Each & every product manufactured undergoes strict inspections and testing.

will

Finding Solutions

Realizing the evolving needs of our customers to create effective solutions through our 'Maximize Product Mix' by offering the best solutions in the market

effort

The Right Design

Our team of dedicated engineers and designers plan and curate inspiring solutions with economic efficiency not just for current needs but ones that can overcome foreseeable challenges

determination

Production floor

We are always enthusiastic to translate unique ideas with the highest industry standards and codes. Our state of the art plant and team crafts products with steadfast skill.

competence

Ensuring Quality

Before we deliver our customized products, it must satisfy our own high standards of quality and dependability. Our stringent testing facility ensures that only the most robust products are delivered.

We offer
best quality
products to our
customers

All products are designed, manufactured and tested in the modern state-of-the-art facilities. It meet requirements of all



compact sub-stations

Unitized Sub-Station / Packaged Sub-Stations

transformers

Power | Distribution | Isolation | Ultra Isolation
| Scott | Step Up | Step Down | Furnancc Duty
| Converter Duty | Rectifier | Dual Ratio |

switchgears

Vacuum Circuit Breakers (VCB)
Load Break Switches (LBS)

panels

LT Panels | APPC Panels |
Synchronization Panel | Feeder Piller

controllers / avr's

Servo Motor Operated Line Voltage Correctors (SVC)
| Automatic Line Voltage Correctors | Static Voltage
Controllers | HT-AVR | LT-AVR (Rolling Contact Type)

Transformers

- HV 33 / 22 / 11 / 6.6 / 3.3 KV or as per request
- LV 11 / 6.6 / 3.3 / 0.433 / 0.220 KV or as per request
- Single / Dual Ratio
- Three Phase, 50 / 60 HZ
- Filled with ISI marked Transformer Oil
- Insulation Class A or as per request
- Oil Natural Air Natural (ONAN)
- Off Circuit / On Load Tap Changer with RTCC & AVR
- Tanks with Elliptical Tube Radiators / Press Steel Radiators or Corrugated Radiators
- Heavy Designs with Low Losses
- Accessories / Fittings as desired by customer
- In accordance with relevant IS, IEC, BS and ANSI Standards or as per request



Transformers up to 33 kV, 10 MVA

Power | Distribution | Step-up / down | Solar | Furnace | Isolation / Ultra Isolation | Converter Duty | Scott | Lighting | Rectifier | Dry Type | Dual Ratio | Inverter

Dry Transformers

- Ranging up to 3000 KVA Capacity
- Up to 33 KV Class
- Three-Phase, 50 / 60 Hz
- Single / Dual Ratio
- Naturally Cooled (AN) or Forced Air Cooled (ANAF)
- Sheet metal enclosure with vents for air circulation IP-23 or as per customer's requirement
- Accessories / Fittings as desired by customer
- Insulation Class F / H, others on request
- Applicable Standards IS:11171, IEC:60726
- Tap Changer: Tap Links / On Load Tap Changer (OLTC) with RTCC & AVR
- Temperature Sensors for alarm and trip protections



Dry Type Resin Cast / Vacuum Pressure Impregnation Transformers
upto 33kV, 3000 KVA

Furnace Transformers

- 6/12 Pulse having Vector group DYn11 for 6 pulse & DYn11 with DD0 for 12 pulse or as per requirement.
- Upto 33 KV Class (I/P-33,22,11,6.6,3.45,3.3,0.415 KV O/P-415, 433,460,480,525,575,2x575,2x600 V. Other Voltage Ratios also available as per requirement)
- Filled with ISI marked Transformer Oil.
- Naturally cooled(ONAN) or Forced Air Cooled(ONAF).
- Transformers available with & without tap.
- Low losses, Heavier Designs than conventional designed transformers to accommodate harmonics generated in the system.
- Suitable for induction heating and melting applications.
- In accordance with IS, IEC, BS and ANSI Standards, others on request.
- Accessories/ Fittings as desired by customer.

Furnace duty Transformers upto 5000 KVA.

Solar/Inverter Transformers

- Upto 33 KV Class (O/P-33,22,11,6.6,3.3 KV I/P-320, 380, 415, 433 V. Other Voltage Ratios also available as per req.)
- 6/12 Pulse having Vector group DYn11 for 6 pulse & DYn11 with DDO for 12 pulse or as per requirement.
- Suitable for one, two & four inverter Inputs or as per req.
- Naturally cooled(ONAN) or Forced Air Cooled(ONAF).
- Suitable for Variable Frequency Drives (VFD), Adjustable frequency Drives (AFD), & Variable Speed Drives (VSD) applications
- Low losses, Heavier Designs than conventional designed transformers to accommodate harmonics generated in the system.
- Suitable for inverter duty / solar applications.
- In accordance with IS, IEC, BS and ANSI Standards, others on request.
- Accessories/ Fittings as desired by customer.



Solar / Inverter duty Transformers upto 5000 KVA.

Isolation Transformers

Phases	Single / Three
Voltage Ratio	Step-Up / Step-Down / 1:1
Voltage Regulation	2-4% for 100% change in current at unity P.F.
Connections	Delta/ Star for 3 phase
Operating Power Factor	0.75 lagging to 0.75 leading
Dielectric strength	2500V for 60 secs.
Insulation Resistance	Greater than 100 Mega Ohms
Coupling capacitance	0.1 pf for 100dB / 0.006 for 120db
Leakage current	less than 20 micro Amps.
Noise Attenuating Characteristics	Upto 100 / 120dB.



Isolation Transformers upto 3000 KVA

VCB

Vacuum Circuit Breakers

Nominal Voltage	12kv
Degree of Protection	IP55
Width (in mm)	650
Depth (in mm)	1452
Height (in mm)	2255
Operation sequence	0 -0.3 sec.-CO-3 Min.-CO
Opening Time (in mili secs.)	>30ms
Break time	>50ms
Full Load Switching Life (No. of Operations)	10,000
Closing Voltage	24V DC / 110V DC
Tripping Voltage	24V DC / 110V DC
Auxiliary contacts wired to SD5	8 No. + 8 Nc

Vacuum Circuit Breakers upto 1250 amp. 33kV

LBS

Load Break Switches

Rated Voltage	12KV	24kv	36KV
Rated Current	400/630AMPS.	400/630AMPS.	400/630AMPS.
Permissible Service Volt	10-12 KV	22-24KV	33-36KV
Rated Short time Current	26.3KA	26.3KA	26.3KA
Rated Making	65 KA(peak)	65KA(peak)	65KA(peak)
Type of Break	Air-Break	Air-Break	Air-Break
Rated Insulation Level	28KV / 75KV peak	50KV / 125KV peak	70KV / 170KV
Rated Frequency	50 HZ	50 HZ	50 HZ
No. of Poles	3	3	3
No. of Break / Poles	Single	Single	Single



Load Break Switches upto 800 amp. 33kV

Compact Sub - Stations

HV Compartment

Load Break Switch with fusetrip & earth switch mechanism, shunt trip coil, HT HRC fuses
Vacuum Circuit Breaker with metering & protection using current/potential transformers & relays
Ring Main Units consists of Load Break Switches/Vacuum Circuit Breakers combination

Transformer Compartment

Oil Filled Transformer
Dry Type Transformer

LV Compartment

LT Control Panel with ACB & MCCB

SFU with metering



Compact Sub-Stations (Indoor / Outdoor) upto 36 kV, 2500 KVA

Controllers

HT-AVRs / LT AVRs

- Up to 33 KV Class (Voltage ratio available as per requirement)
- Output voltage 33 KV, 11 KV, 0.433 KV or as per requirement.
- Three Phase, 50 / 60 HZ.
- 'A' Class Insulation
- Naturally cooled (ONAN) or Forced Air Cooled(ONAF).
- Filled with ISI marked Transformer Oil.
- Heavy Designs with Low Losses.
- Accessories/ Fittings as desired by customer.
- Compact Design
- In accordance with Relevant Standards



HT-AVRs up to 33 kV, 5000 KVA

Servo Voltage Controllers

- Input 3 phase, 210-470 V (120-270 V in single phase) or as per customer's requirement
- Output 3 phase, 380/400/415 (220/230/240 V in single phase) or as per customer's requirement. Accuracy $\pm 1\%$ of set output voltage
- High speed stepless correction upto 32v/sec. (phase to phase) depending upon the capacity & input voltage range or as per customer's requirement
- Response time 10 m .Sec.
- Freq. Range 47-53 hz
- Compatible with both mains & DG supply
- Efficiency > 98% in all models above 15 kva
- Operating Temp. -5°C to 50°C
- Suitable for both balanced / unbalanced Load & Voltage.
- Oil Filled Type "ONAN" (Oil Natural Air Natural) cooled.
- Transformer oil conforming to IS:335/1994 with latest amendments
- Dry Type "AN" (Air Natural) cooled.
- Conforming to IS : 9815/1994 or as per customer's requirement

Servo Voltage Controllers up to 2500 KVA

ALVC

Automatic Line Voltage Correctors

Input Voltage Range (1 phase)	110-280V AC or 140-280V AC
Output Voltage Range (1 phase)	200-240V AC
Operating Line Frequency	50 Hz +/- 3
Operating Temperature	0 °C to 50 °C
High Voltage Cut Off	250 Volts +/- 5V AC on output side 190 Volts +/- 5V AC on output side
Low Voltage Cut Off	Settable 30 secs. to 3 minutes
Intelligent Time Delay	Through Electro-Mechanical Relays
Tap Selection	Digital / LEDs
Indications	1.5 Metre length
Input Cable	15 Amp., 3 Pin Socket upto 2 KVA
Output	30 Amp. Terminal Block on above 3 KVA



Automatic Line Voltage Corrector upto 5 KVA

LV Panels

Application	Power Distribution
Construction Type	Modular & Fixed Type
Type	Drawout Type / Fixed Type
Max. Rated Current	Up to 6300 Amp., 70 KA
Rated Voltage	415/440 Volt
System Voltage	690 Volt
Ambient Temperature	50 °C
Degree Of Protection	Up to IP-65 or as per requirement
Busbar	Aluminium or Copper
Interleaved Design	For 4000Amp. & above
Our PCC Panels are functionally colour coded for easy identification of feeder	<ul style="list-style-type: none">a. Transformer I/C Feeder – Blueb. Diesel Generator Incomer Feeder – Orangec. Bus coupler Feeder – Off whitedd. O/G Feeder – Siemens Gray



LT Panels upto 6300 Amp.

APFC Panels

Application	Power Distribution
Construction Type	Moduler & Fixed Type
Max. Rated Current	Up to 6300 Amp., 70 KA
Rated Voltage	415/440 Volt
System Voltage	690 Volt
Ambient Temperature	50 °C
Degree Of Protection	Up to IP-65 or as per requirement
Busbar	Aluminium or Copper
Interleaved Design	For 4000Amp. & above

APFC Panels upto 1500 KVAR

We offer best quality products to our customers



E - IN - C
(Defence)



ALPHARMA
Pharmaceuticals

Hindustan Times



Roop Polymers



AMTEK



We offer best quality products to our customers



(Please see more on our website.....)

We offer
best quality
products to our
customers
& more....



BEAURO OF INDIAN STANDARDS

ISO :9001 | ISO: 140001 | ISO:180001



Military Engineering Services
(MES)



National Small
Industries Corporation



Dakshin Haryana
Bijli Vitran Nigam



Haryana State Industrial
& Infrastructure Development
Corporation Ltd



Mahanagar Telephon
Nigam Limited



Micro Small & Medium
Enterprises



Bharat Sanchar Nigam
Limited



Directorate General of Married
Accommodation Project



Container Corporation
of India Limited



Government
e Marketplace



Indian Railways



Engineering Export
Promotion Council India



National Safety Council

STATES

PLACES

- ANDAMAN NICOBAR
- ANDHRA PRADESH
- ASSAM
- BIHAR
- CHANDIGARH (U.T.)
- CHATTISGARH
- COIMBATORE
- GOA
- GUJRAT
- HARYANA
- HIMACHAL
- JAMMU & KASHMIR
- JHARKHAND
- KARNATAKA
- KERLA
- MADHYA PRADESH
- MAHARASTRA
- MEHGHALAYA
- ODISHA
- PUNJAB
- RAJASTHAN
- SIKKIM
- TAMILNADU
- UTTAR PRADESH

Abrama Delhi Babina Bareilly Aurangabad Nasik
 Dharuhera Bhuj Kurnool Cachar Ahmedabad Behror Mumbai Bhusawal
 Vishakhapatnam Baroda Asansol Gandhi Nagar Baddi Thane Nagpur Beawer
 Agartala Kancheepuram Itanagar Dalhousie Chittorgarh Bikaner
 ASSAM Kutch Aizwal Nahan Kala Amb Nalagarh Jhalupara Pune Bundi
 Jodhpur Jamnagar Vadodara Bawana Shimla Port Blair Kota Ghaziabad
 Bihar Churachandpur Ambala Valsad Palampur Parwanoo Pukhri Badarpur Gohana Hanumangarh
 Chandigarh (U.T.) Ambala Cantt Dibrugarh Guwahati Sohna Gorakhpur Hapur Jaipur Baghpat
 Chattisgarh Bahdurgarh Dimapur Ballabgarh Bawal Solan Kalkaji Dawarka Jhansi Hardoi
 Coimbatore Imphal Binola Bhuna Phalodi Sirmor Bhiwani Nadbai Borakalan Kanatal Lucknow
 Goa Jorhat Haflong Akhnoor Mundka Neemrana Fatehgarh Jammu
 Gujarat Kakching Jammu Tawi Berhampur Suratgarh Balasore Shri Ganganagar Saharnpur Faridabad
 Haryana Ferozpur Jhirka Kullu Kargil Pallel Tapukara Mantripukhri Gurgaon Sahibabad
 Himachal Kathua Kohima Gharonda Cuttack Tehri Bhubneshwar Coimbatore Rhenock
 Jammu & Kashmir Katra Dhenkanal Chennai Ladakh Ranchi Hissar cantt Shillong Abhohar Adampur
 Jharkhand Gaya Jhajjar Betul Paradip Tuensang Kamrup Sitarganj Vishakhapatnam Kothwara
 Karnataka Sonitpur Jind Haldwani Leh Khurda Sambalpur Telangana Nabha Pali Jalpaiguri
 Kerala Tinsukia Khuskhera Karnal Kharkhoda Thanjavur Vishakhapatnam Bardhaman Kharar Kochi Alipurduar
 Madhya Pradesh Bangalore Chabua Hazaribagh Khagaria Batala Belgaum Amritsar Secunderabad Penang
 Maharashtra Chamba Hajipur Samstipur Sasaram Kundli Bhatinda Nuh Ludhiana Bidar Medak
 Meghalaya Palwal Muzaffarpur Jagdalpur Chandigarh Mohali Naurangpur Rai Sonapat Darjeeling
 Odisha Wardha Panchkula Gawlior Mhow Patiala Jabalpur Sagar Pathankot Pauri Garhwal
 Punjab Allahabad Margao (Goa) Ujjain Sirsa Ahmednagar Barmer Meerut Kathmandu
 Rajasthan Bareilly Cantt Khurja Awantipura Mathura Delhi Cantt Indore Mahendragarh
 Sikkim Chopanki Siliguri Hissar Greater Noida Narnaul Binnagauri Pantnagar
 Tamilnadu Kishangarh Kolar Ganganagar Dehradun Agra Vasco Da Gama Alwar
 Uttar Pradesh Bulandsehar Noida Rajsamand Faridkot Sarsawa Khorda Roorkee Dharbhanga Bhiwadi
 Gautambudh Nagar Basoli Kannur Pithoragarh Hyderabad Kurukshetra
 Sikanderabad Panonta Sahib Gurdaspur Dhanaula and many more....

EXPORTS: Nepal, Gabon Republic-Africa, Malaysia

CATEGORY

Agro	Cosmetics	Gases	Packaging	Rubber
Air Force	Defence	Glass	Paint Industry	Shoe Components
Airports	Electricals	Hardware	Para Military	Societies
Army	Electronics	Health Care	Pharmaceutical	Solar
Automobiles	Entertainment	Hospitals	Plyboard	Sports & Sports Goods
Banking & Insurance	Entertainment Industry	Hotels	Polymers & Plastics	Stationery
Beverages	Export	Institutions	Poultry	Steel
Builders & Developers	Fertilizers	IT	Printing	Stone Crushers
Cement	Flour Mills	Media	Publishers	Sugar Mills
Ceramics	FMCG	Metals & Alloys	Pulp & Paper	Telecom
Chemicals	Food & Beverage	Mining & Minerals	Railways	University
Cold Storage	Footweares	Mint	Restaurants	Warehouse
Colleges	Furniture	Navy	Rice Mills	Water
Construction	Garment & Accessory	Opticals	Roadways	





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