



ABHA
Enviro Care Pvt Ltd
An ISO 9001 : 2008 Company

Distribution Transformer Manufacturing Division





Product Range

Distribution Transformers, ONAN

KVA	HV (V)	LV (V)	Vector Group
25	22KV,11KV	410 TO 420	DY 11
63	22KV,11KV	410 TO 420	DY 11
100	22KV,11KV	410 TO 420	DY 11
160	22KV,11KV	410 TO 420	DY 11
200	22KV,11KV	410 TO 420	DY 11
250	22KV,11KV	410 TO 420	DY 11
315	22KV,11KV	410 TO 420	DY 11
500	22KV,11KV	410 TO 420	DY 11
630	22KV,11KV	410 TO 420	DY 11

Services:

-)] Repair and Maintenance of Distribution and Power Transformer.
-)] Maintenance of Electrical Substations.

Oil Type Distribution Transformers

Product Voltage (KV)	kVA	Primary	Features
Small Distribution Transformers	<_ 250	Up to 33	Used for indoor or outdoor application, can be provided with off = load tap charges
Medium Distribution Chargers Transformers	<_ 250 <_ 630	Up to 33	Used for indoor or outdoor application, can be provided with on - load tap or off – tap charges
Single Phase Transformers	<_ 100	Up to 33	Small Distribution Transformers for pole mounting.

SMALL DISTRIBUTION TRANSFORMER (250KVA)

Construction features

Description

Abha manufactures Distribution Transformers three phase oil type small distribution transformers within the range up to 250 kVA and 36 kV. The transformers are adaptable for pole mounting or assembly in substations

Standard features

- ❖ Hermetically sealed transformers completely filled with oil:
- ❖ Corrugating tanks
- ❖ High and low voltage bushings in accordance with DIN 42531 and DIN 42530
- ❖ Off-circuit tap changer in 5 positions
- ❖ Lifting lugs
- ❖ Earthing terminals
- ❖ Thermometer pocket in accordance with
- ❖ DIN 42554 (standard from 100 kVA)
- ❖ Filling plug
- ❖ Drain cock
- ❖ Rating plate
- ❖ Inhibited oil



Options and accessories

- ❖ Plug-in bushings on HV
- ❖ Max thermometer
- ❖ Dial type thermometer with two contacts
- ❖ Oil level indicator for hermetically sealed transformers
- ❖ Thermometer pocket in accordance with DIN 42554 (standard from 100 kVA)
- ❖ Off-circuit tap changer with 3 or 7 positions
- ❖ Sparking gaps
- ❖ Pressure relief device
- ❖ Cable boxes
- ❖ Integrated pole brackets on tank
- ❖ Skid base
- ❖ Bi-directional rollers

Medium Distribution Transformers (> 250 kVA, 2000 kVA)

Construction features

Description

MDT transformers are used to step down three-phase high voltage to low voltage for power distribution, mainly in metropolitan areas and for industrial applications. The transformers in standard versions are designed for use in moderate climates and can be installed both outdoors and indoors.

Standard features

- ❖ Oil filling plug on the cover
- ❖ Oil-level indicator
- ❖ The two lifting lugs on the cover are made or lifting the transformer or its removable part
- ❖ Corrugated tank
- ❖ Undercarriage with bi-directional roller
- ❖ Oil drain valve
- ❖ Off-circuit tap changer handle
- ❖ Earthing terminals
- ❖ Sparking gaps for voltages 15 kV and above
- ❖ Rating plate

Additionally, for transformers with conservator

- ❖ Max thermometer
- ❖ Magnetic oil-level indicator
- ❖ Oil filling plug on the conservator
- ❖ Buchholz relay
- ❖ Dehydrating breather
- ❖ Conservator



Options and accessories

- ❖ Plug-in bushings
- ❖ Dial type thermometer with two contacts
- ❖ DGPT2 control device
- ❖ Pressure relief valve with or without contacts
- ❖ Tap changer with more than five position
- ❖ Cable boxes
- ❖ Spark gap meter
- ❖ Air insulated housings
- ❖ Galvanized tank
- ❖ Additional thermometer pocket
- ❖ Dual voltage transformer

MANUFACTURING FACILITIES:

Abha Enviro Care Pvt. Ltd. Works is located to the North-West of Pune City in an excellent environment near MIDC Talegaon. Total covered area is approx. 16250 Sq. ft. & uncovered area of 10000 Sq. ft. we have state of the art equipments & world class facilities for manufacturing including HV & LC Winding machines, Vacuum drying plant, Oil filtration machine, 5 ton EOT Crane etc.

Sanctioned power through express feeder of state electricity board ensures uninterrupted factory operations. We follow all international & national standards for design, manufacturing & testing of transformer with ensures highest product reliability & world class quality. We have installed manufacturing capacity of 50 nos. transformer per month which can be increased to 75 nos. per month as per order inflow.



TEST BENCH



LOAD BANK



VACUUM PLANT

TESTING FACILITIES:

-) Test bench for open circuit test, short circuit test, induced overvoltage test, separate source AC withstand test.
-) Resistive capacitive load bank & spark gap for ESP filed simulation & load trials.
-) 300A, 3 Phase motorized auto transformer for transformer rectifier & panel testing & 100A, 3 Phase motorized auto transformer for sub-assembly testing.
-) Metravi make oil BDV tester
-) AE make HV tester
-) Tektronix make "Digital Storage Oscilloscope"
-) AE make High Accuracy, precision meters for AC Voltage, Current, Power & DC Voltage
-) Fluke Make Multimeter, Clamp Meter & IR tester



ABHA ENVIRO CARE PVT. LTD

Approved by CPRI

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