

Dry-type transformers

ABB, India



Factory location

The ABB factory is focused on manufacturing vacuum cast coil dry-type transformers catering Indian market. The factory is located at half hour drive from Vadodara Airport and two and half hour drive from Ahmedabad International Airport.

Factory history and facts

- Built: 2013
- Area: over 2,500 sq.m

Factory capability

- Maximum kVA rating: 10 MVA
- Maximum HV rating: 36 kV
- Power capability: 50 kVA up to 10 MVA

Product portfolio

Vacuum cast coil (VCC) transformers are commonly known as cast resin transformers. Typical applications include:

- Distribution transformers
- Lighting transformers
- Variable Speed Drive (VSD) transformers
- Excitation transformers
- Rectifier transformers
- Special transformers for marine, offshore, mining and windmill applications
- Special designs – Multi-secondary, 6 pulse, 12 pulse, 24 pulse, on-load tap changer (OLTC), and K rated

Major clients/projects

- Utilities: Tata Power BSES
- Power plants: Essar Power, SKS Power, NHPC, Voith
- Industries: MRF, Toyota Kirloskar, Procter & Gamble, Praxair, Beakert
- Data Centers: Vodafone, Bharti Airtel, Netmagic, IBM
- Oil & Gas: HPCL, ONGC
- Metals: Sandvik, Triebacher, Gerdau Steels, Bokaro Steel Plant
- Renewable energy – Wind and solar applications



Major developments

- More than 200 units supplied for windmill application
- Supply of K rated transformers
- Supply of hi-T Plus transformers
- Supply of outdoor duty transformers
- Supply of transformers for Variable Speed Drives, excitation applications

Quality

- ISO 9001, 14001, 18001
- CCRP (Customer Complaint Resolution Process)
- NCR (Non-Conformance report) analysis
- Structured test failures and field failure analysis
- 4Q problem resolution process
- Management of COPQ (Cost of Poor Quality)
- Housekeeping through 5 S
- NPS (Net Promoter Score)
- CDS (Common Design System), 3D mechanical tool Pro-E

For more information please contact:

ABB India Limited

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