

Uttar Pradesh Power Corporation Ltd, Dohna 220/132/33 kV Substation

Substation for transmitting power up to 280MW
for urban and rural areas of Bareilly district

Customer Benefits

- Power transmission from 400kV Bareilly substation to 220kV Dohna substation
- Improved efficiency due to reduced line losses of approx. 9000 units
- Improved distribution voltage level for domestic and industrial consumers
- Overloading of existing 220kV CB Gunj substation and 220kV Shahjanpur substation has been circumvented
- Fast track solution delivered in 12 months

ABB Solution

- Turnkey 220/132/33kV greenfield substation solution with 5 bays at 220kV, 5 bays at 132kV and 10 bays at 33kV with 2 nos. 100 MVA, 220/132 kV Transformers and 2 nos. 40 MVA 132/33 kV Transformers
- Automatic load shedding of priority feeders
- Control & relay panels
- Complete civil works including foundations for 400 kV and 220 kV towers and equipments, control, room, fire fighting pump house, roads and fencing
- Substation commissioned in 2008



220/132kV 100 MVA Power Transformer with Fire Fighting System



220 kV Circuit Breakers and Disconnectors



33kV Switchyard



220/132/33 kV Control and Relay panels



220 kV Circuit Breakers and Current Transformers

ABB's Substation Offerings

ABB offers substation solutions for power transmission, distribution and substation automation and protection by:

- Delivery of turnkey AIS and GIS substations for utility and industrial applications
- Service, rehabilitation and upgradation of existing substations
- Substation automation systems; bay control, unit protection, power system monitoring and wide area system solutions



ABB Limited
P.O. Maneja
Vadodara-391003
India

Phone +91 264 264 2147

www.abb.com