



ELECTROTEKNICA ENGINEERING PVT. LTD.

Formerly Known as ELECTROTEKNICA

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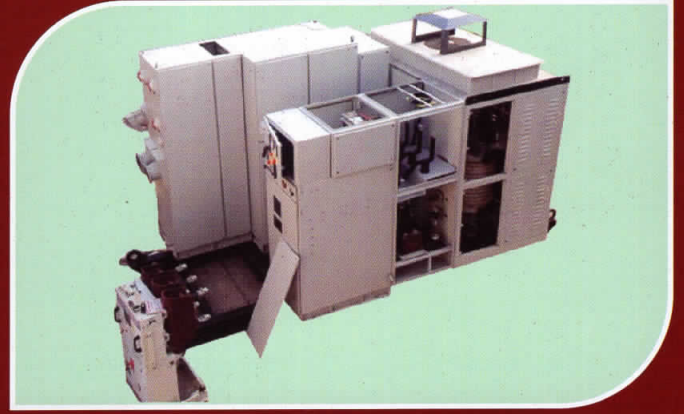
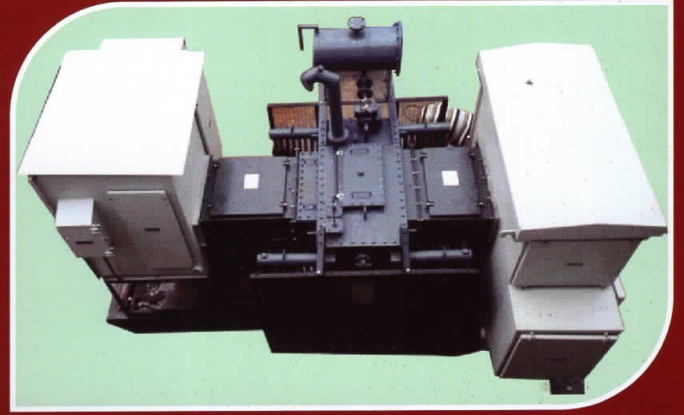
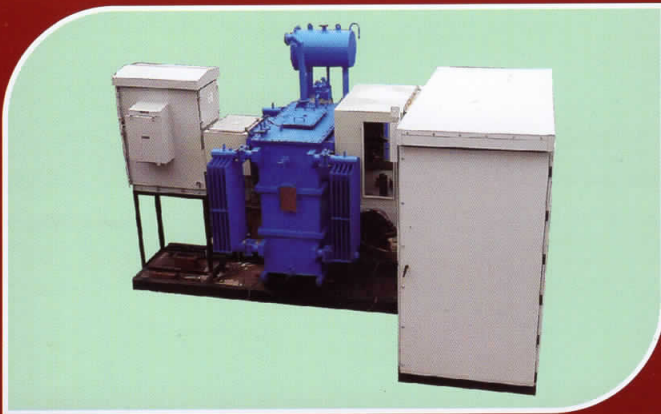
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UNITIZED TRANSPORTABLE SUBSTATION SUITABLE FOR OPEN CAST AND METAL MINES



ELECTROTEKNICA make Transportable Substation is generally used for feeding power from high voltage to low voltage in open cast mines, construction sites, metropolitan cities etc.

DESCRIPTION

The Substation is compact in size, suitable for frequent shifting and for use in outdoor location. The

Substation is segregated into three parts:

- (a) Vacuum Circuit Breaker up to 33 KV 1250A complete with CT, PT, Relay & Instruments chamber.
- (b) Outdoor type Transformer up to, 33KV/11KV-6.6KV-3.3KV/1100V-440V-433V.
- (c) Outdoor type LT Panel

HT CIRCUIT BREAKER

HT Circuit Breaker is vacuum break rated for 33KV/11KV-6.6KV-3.3KV up to 1250A fitted with off load interlocked Isolator, Copper bus bar, Current & Potential Transformers, Protective devices such as under voltage, Earth leakage and Overload and meters like Ammeter & Voltmeter with selector switches. The incoming termination will be provided with either Plug Socket or Cable Box. Alternatively, a Load Break Switch or a Ring Main Unit can also be coupled with the HT bushing of the transformer.

OUTDOOR TYPE TRANSFORMER

Outdoor type Transformer 33KV/11KV-6.6KV-3.3KV/1100V-440V-433V-415V DY11 ONAN type with off load tap changer and standard fittings as per I.S. Specification. The Transformer will have HT flange with bushings to be coupled directly with the outgoing of HT Panel and LT flange with the Incoming of LT Panel. The Transformer can be either Oil immersed type or Dry type with Nomex insulated.

OUTDOOR TYPE LT PANEL

Outdoor type LT Panel will be comprising of one or more Vacuum/ Air Circuit Breaker or MCCB either in single or board formation suitable for a system voltage as required, 3 Phase 50 C/S. Incoming of the LT Panel will be directly coupled with LT flange of the Transformer. The outgoing will have either Cable box or Plug & Socket arrangement for feeding power to LT equipment.

NOTE :- This can also be made as a single outdoor type enclosure in place of three separate enclosures with dry type Transformer.