



Energy Division

Bowthorpe EMP Transmission Line Arrester

Key Features

- HV arrester suspended from a transmission line giving enhanced transmission line performance.
- Increasing system line voltage on standard insulated transmission lines.

Benefits of TLA Installations

- Minimising circuit breaker operation with possible system outage resulting from back flashover on the transmission line.
- Switching overvoltages are absorbed over the length of the line reducing the severity of surge at the substation.
- Transmission systems can be operated even where sub-soil gives poor tower footing resistance.
- Eliminating interrupted supply for power supply for sensitive industrial processes.
- Installing Transmission Line Arresters on a standard 3 phase voltage system along the line, at calculated intervals, allows for optimum performance of the TLA, to give an increased system line voltage. Therefore eliminating the need to increase the standard insulation level required on conventional system upgrade.

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