

# Electrical Power Substation

This electrical substation is designed for power distribution and voltage transformation within an electrical grid. It facilitates the transmission of electrical power from generation sources to end-users.



## Overview

### Turnkey Substation Implementation

This project involved the comprehensive implementation of the Chittagong 28 electrical power substation infrastructure. The facility is engineered for high-voltage power distribution and voltage transformation within an electrical grid. It provides essential transmission capabilities to move electrical power from generation sources to end-users efficiently.

## Technical Scope

### Project Type

Turnkey

### Voltage Levels

132kV, 33kV

## Infrastructure Components

### Key Equipment

- High-voltage transformers
- Circuit breakers
- Insulators
- Support structures
- Conductors
- Grounding systems

## Project Timeline

### Implementation Period

2004 - 2007

## Operational Features

### Core Functions

- Voltage transformation
- Power distribution
- Grid safety and efficiency