

# High-Voltage Power Transmission Line

These high-voltage cables are designed for efficient power transmission across long distances. They facilitate the connection of urban centers and ensure reliable power distribution.



## Project Overview

### Phnom Penh - Buddha - Battambang 230kV Transmission Project

This high-voltage power transmission project facilitates critical energy distribution across central and western Cambodia. The infrastructure spans across Phnom Penh, Buddha, and Battambang provinces, integrating advanced substation capabilities with reliable power transmission lines. Designed for high-capacity energy transport, the project ensures the seamless delivery of power from hydropower sources to key regional substations.

## Technical Specifications

### Voltage Rating

**230 kV**

Rated Voltage

### Core Infrastructure Components

- High-voltage transmission lines
- Substation expansion
- Optical fiber communication network

### Regional Coverage

Phnom Penh, Buddha, Battambang, Kompong Chhnang

## System Integration

### Substation Infrastructure

Facility Type	Function
Kompong Chhnang Substation	230kV Transmission & Communication
Buddha Substation	230kV Transmission & Communication
Battambang Substation	230kV Transmission & Communication
Phnom Penh West Substation	230kV Qualifying Interval Expansion