



TATA CONSULTING ENGINEERS

ENGINEERING A BETTER TOMORROW™

TRANSMISSION & DISTRIBUTION ENGINEERING SOLUTIONS

Powering the Future with Reliable and
Efficient Grid Solutions

ABOUT US

At **Tata Consulting Engineers (TCE)**, we specialise in delivering **end-to-end engineering solutions** for the design and implementation of **Transmission and Distribution (T&D) networks** and Substations across the globe. With a proven track record of engineering **12,000 km of transmission lines** and **250+ substations**, we drive excellence from conceptualisation to commissioning.

VALUE-ADDED SERVICES

We go beyond conventional engineering by integrating digitalisation and smart solutions, ensuring future-ready networks:

- Engineering of Digital Substations
- Grid Code Compliance Studies for Renewable Plants, including Hybrid Plants & BESS
- Smart Grid Engineering
- Digital Solutions for Transmission Lines, including Vegetation Management & Dynamic Line Rating

WHY CHOOSE TCE?

- Expertise in Comprehensive T&D Solutions
- Globally Recognised Engineering Excellence
- Cutting-Edge Digital & Smart Grid Innovations
- Sustainable & Future-Ready Power Solutions

WHAT WE OFFER

We bring deep expertise in designing **Transmission & Distribution networks, AC (GIS & AIS) and HVDC substations**, and **Grid-level Battery Energy Storage Systems (BESS)**. Our services include:

-  Project Feasibility Studies & Detailed Project Reports
-  Basic Engineering Services (Electrical, Civil & Mechanical for Substations)
-  Pre-Bid Engineering Support
-  Technical Due Diligence & Technology Selection Studies
-  Detailed Engineering & Procurement Support
-  Owner's Engineering Services
-  Inspection at Manufacturer's Facilities
-  Power System Studies & Protection Coordination for Industrial Plants (Chemical, Fertilisers, Iron & Steel, Cement, Aluminium Smelters, Copper, Oil & Gas) & Power Plants (Thermal, Hydro, Renewable)
-  Grid-Level Planning, Power Evacuation & Grid Integration Studies
-  Studies for Distribution Utilities

CONTACT US

tceconnect@tataconsultingengineers.com
www.tataconsultingengineers.com