



# Spanning Power Globally

*Since 1953*





# SERVING POWER

## Our Vision

Setting the standard of excellence in modern power systems globally.

## Our Mission

To be a global provider of outstanding, end-to-end integrated power solutions in transmission lines, sub-stations, and industrial power distribution projects through state-of-the-art technology, supported by experienced professionals, thereby enhancing scalability, providing clean energy, expanding business and empowering lives.

## Our Values

- Integrity
- Teamwork
- Outstanding value to customers
- Commitment to all stakeholders
- Willingness to learn
- Good Corporate Citizenship



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## Synonymous With Power

- EMC Limited (Formerly known as Electrical Manufacturing Company Limited), established in 1953, is the leading modern power system company in India
- Offers complete turnkey solutions in the field of power transmission systems (transmission lines, EHV sub-stations & associated sub-systems)
- Covers the entire voltage range in industrial sector from 11 kV to 765 kV, HT & LT distribution systems including rural electrification (up to consumer metering)
- Facilities located at Kolkata and Naini have state-of-the-art plant and technology that includes highly productive CNC machines and a galvanizing plant to produce high quality towers/structures



# SERVING POWER

## One-stop Shop For Turnkey Solutions

EMC offers total turnkey solutions complete with design, engineering, erection, testing & commissioning including auxiliary subsystems such as lighting & illumination, fire detection & fire fighting systems for:

### **Transmission**

- Transmission line projects of up to and including 765 kV
- EHV sub-stations (both GIS & AIS) of up to and including 765 kV

### **Distribution**

- Rural Electrification
- Distribution projects up to and including 66 kV substations

### **Balance of Plant (BOP)**

- Industrial power distribution systems
- Both EHV sub-station and plant electrification for integrated steel & power plants
- Illumination packages for plant and production units

## Our Sectors

- Power Transmission Services
- Industrial Sectors
- Defence
- Automobiles

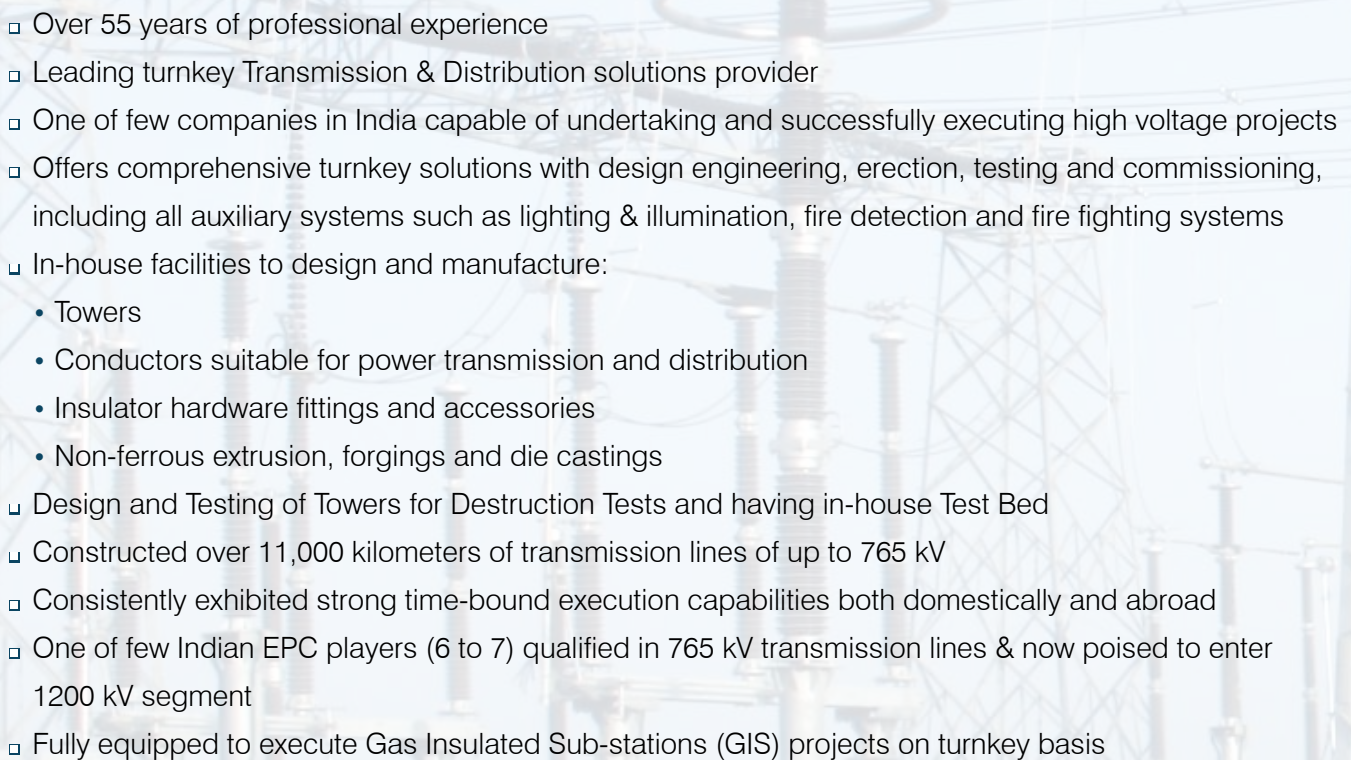
## Product Lines

- Transmission Line Towers
- AAAC/AAC/ACSR Conductors
- Insulator Hardware Fittings and Accessories
- Preformed Line Products
- Non-ferrous Extrusion, Forgings and Die Casting



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## What Is The EMC Advantage?

- Over 55 years of professional experience
  - Leading turnkey Transmission & Distribution solutions provider
  - One of few companies in India capable of undertaking and successfully executing high voltage projects
  - Offers comprehensive turnkey solutions with design engineering, erection, testing and commissioning, including all auxiliary systems such as lighting & illumination, fire detection and fire fighting systems
  - In-house facilities to design and manufacture:
    - Towers
    - Conductors suitable for power transmission and distribution
    - Insulator hardware fittings and accessories
    - Non-ferrous extrusion, forgings and die castings
  - Design and Testing of Towers for Destruction Tests and having in-house Test Bed
  - Constructed over 11,000 kilometers of transmission lines of up to 765 kV
  - Consistently exhibited strong time-bound execution capabilities both domestically and abroad
  - One of few Indian EPC players (6 to 7) qualified in 765 kV transmission lines & now poised to enter 1200 kV segment
  - Fully equipped to execute Gas Insulated Sub-stations (GIS) projects on turnkey basis
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# SERVING POWER

## Quality Systems

- First ISO-9001 certified company in India for Transmission Line projects
- Accredited with ISO-14001 certification by KVQA

## EMC Academy - A step towards its mission to provide services to society and industries' community

The EMC Academy is being set up to provide community service through technical education. The main objectives of the academy are as follows:

- To bridge the gap between education imparted in Engineering colleges and the professional requirement of electrical industries by providing theoretical as well as hands-on experience
- To imbibe a sense of team belonging and responsibility within individuals in an organization
- To use case studies for solving problems that arise within projects
- To ensure students develop a commitment towards civic responsibility
- Students will be trained by the best minds in the electrical industry



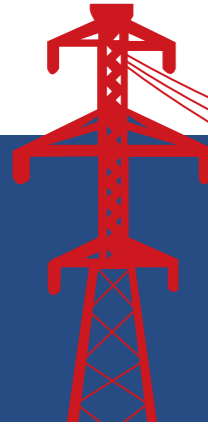
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## The Beginning Of A Solar and Green Revolution

- Building 5MW solar power generation plant at Naini (near Allahabad)
- Generation of carbon credits
- Signed Power Purchase Agreement (PPA) for 25 years

# LEGACY & MILESTONES

1950-1960



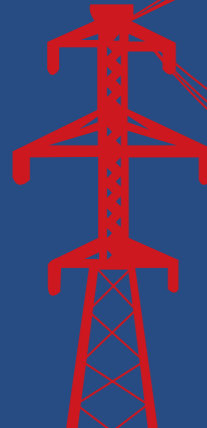
- Company established in 1953
- Sets up its first conductor factory. This is followed by setting up of extrusion and forging units and its first transmission line factory

1960-1970



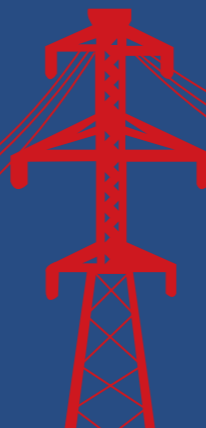
- The first company in India to have in-house design facility and tower testing facility

1970-80



- The first company in India to export towers to Kuwait. Also the first to establish 132 kV line in the Snow Zone, about 9000 ft above elevation in Jammu & Kashmir

1980-1990



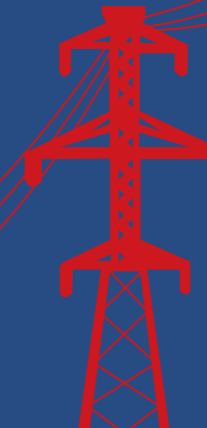
- The first company to supply hardware units to NTPC

1990-2000



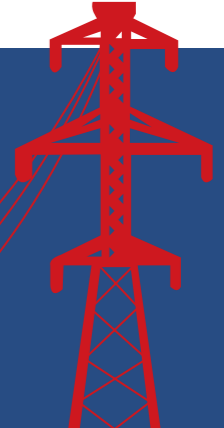
- The first company to obtain ISO certification for the transmission Lines

2000-2010



- Completes one of the first 765 kV Single Circuit Line projects in India
- Bags (One of the) 1<sup>st</sup> 765 kV Double Circuit Transmission Line order in India

2011



- First batch of 5MW solar power plants to sign PPA with NTPC Vidyut Vyapar Nigam Ltd.
- Completed 400 kV sub-station at Pirana for PGCIL



# OUR STRENGTH

Dedicated team of professionals across all spheres of activities & all levels and we believe that our team's dedication is our biggest strength. We value their technical contribution and hope to move together to greater heights.

## Top Clients

- ▣ Power Grid Corporation of India Ltd.
- ▣ Indian Iron & Steel Company
- ▣ Damodar Valley Corporation
- ▣ Orissa Power Transmission Corporation Ltd.
- ▣ J&K Government Electricity Department
- ▣ Transmission Corporation of Andhra Pradesh
- ▣ Steel Authority of India Ltd.
- ▣ The Rural Electrification Authority
- ▣ NTPC Ltd.
- ▣ Dubai Electricity & Water Authority (DEWA)



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## EMC Overseas Projects

- ▣ Dubai
- ▣ Egypt
- ▣ Thailand
- ▣ Bangladesh
- ▣ Philippines
- ▣ Kuwait
- ▣ Myanmar
- ▣ Iran
- ▣ Nigeria
- ▣ Kenya
- ▣ Mexico

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