

# EPC Contracting Services

Jakson provides turnkey engineering, procurement and construction (EPC) services for urban and rural electrification, electrical substations, electrical transmission & distribution networks, metro rail electrification amongst others. We have the requisite engineering skills and experience to deliver complex projects in time and budgets. Our team of highly skilled engineering professionals have delivered some of the most prestigious and highly challenging EPC projects for government bodies, Public Sector Undertakings (PSUs) and corporates. The company has a strong portfolio of past and existing projects across multiple industries that include power and energy, airports, highways, railways and urban transport.



## Scope of Services >>

### Design

- Cost Estimation
- Architectural Design
- 3D Models
- Project Feasibility Studies
- Regulatory Permissions
- Site Analysis
- Technology & Infrastructure

### Engineering

- Front-end Engineering
- Planning & Scheduling
- Safety Planning
- Systems Integrator

### Procurement

- Contracts Management
- Raw Material Purchase
- Vendor Sourcing
- Quality Controls
- Storage Controls

### Construction

- Hiring & Training
- Workforce Management
- Civil Works
- Equipment & Tools Supply
- Iron Fabrications
- Quality Controls
- Site Safety

### Commissioning

- Trial Runs
- Quality Checks
- Safety Protocols
- Certifications

### Operational Maintenance

- Preventive Maintenance
- Performance Management
- Facility Management
- Plant Maintenance

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## Case Studies

### **Project: 132 KV and 33 KV Electrical Substation at Shahjapur, Uttar Pradesh**

**Client: Uttar Pradesh Power Transmission Corporation Limited**

Jakson was chosen as the EPC service provider for construction of 132/33 KV substation at Banda in Shahjapur district of Uttar Pradesh, India. The scope of work included construction of two 132 KV bays, seven 33 KV bays and two 20 MVA power transformers. Jakson also executed civil construction works for control room, foundations, staff quarters, overhead tank at the site amongst others. The complete project is being executed in scheduled time frame of one year.



### **Project: Electrification of Kochi Metro Rail**

**Client: Kochi Metro Rail & Delhi Metro Rail Corporation**

Jakson was awarded the Electrical and Maintenance work for Kochi Metro Rail project by DMRC. The scope of work for this project includes SITC of DG Sets, Electrical panels, lighting systems, EOT cranes, firefighting systems, plumbing & HVAC system for 22 metro stations on the network and 1 major metro depot.



### **Rural electrification for Deendayal Upadhyaya Gram Jyoti Yojana (DUGJY)**

**Client - Madhyanchal Vidyut Vitaran Nigam Limited**

Jakson is executing important rural electrification projects under the Government of India's Deendayal Upadhyaya Gram Jyoti Yojana (DUGJY) for electrifying a part of Shravasti district in Uttar Pradesh. The project will provide electricity to 50,000 below poverty line families in the district and will be completed in a period of 2 years.



### **Project: Government Hospital in Gorakhpur, Uttar Pradesh**

**Client: Uttar Pradesh Rajya Nirman Nigam**

Jakson won the turnkey EPC services contract for both electrical and civil works for a 500 bed government child hospital at Gorakhpur, Uttar Pradesh, India. The hospital once completed will be a Ground +14 storeyed building. Scope of work for this project included civil and structural construction, landscaping, internal & external electrification, power back-up with DG sets, substations, fire-fighting, plumbing, HVAC amongst others.

