

# Tata Power Skill Development Institute - Jojobera



**TATA**  
**TPSDI**  
**TATA POWER**  
SKILL DEVELOPMENT INSTITUTE

## About TPSDI

Tata Power Company is India's largest integrated power company with a presence across all the segments of the power sector - Generation (thermal, hydro, solar, and wind), Transmission, Distribution, Fuel Security and Logistics, and Power Trading. Tata Power has been lighting up lives in the nation for over a hundred years.

The **Tata Power Skill Development Institute (TPSDI)** is a Skill Development endeavor from the Tata Power Company to empower youth and others with power sector and allied employable skill and to address the skill gap challenge faced by the Indian Power Sector.

TPSDI is mandated to provide modular training and certification in power sector and allied skills leading to employability and advancement. TPSDI harnesses the rich experience of Tata Power employees to bring "Power Skills for Life!" to prepare youth and others for the huge opportunities coming up in the power sector in the country.

TPSDI operates on Hubs and Spoke Model in the country leveraging the facilities of Tata Power and its JV/Subsidiaries: TPSDI - Jojobera is a spoke of Maithon Hub.

- Shahad - Mumbai, Maharashtra
- Trombay - Mumbai, Maharashtra
- Maithon - Dhanbad, Jharkhand
- Mundra - Kutch, Gujarat
- Jojobera- Jamshedpur, Jharkhand ( Spoke)

**TPSDI offers to the benefit of Youth and others various NSQF courses of Power Sector Skill Council (PSSC)**

## TPSDI - Jojobera

TPSDI Jojobera is a 'Spoke' of TPSDI - Maithon. It is conveniently located in the Premises of the Jojobera Power Plant of Tata Power at Rahargorah, Jamshedpur.

TPSDI Jojobera will provide entry level courses in the Power Sector. It will also provide employability enhancing courses best suited to the community in its neighborhood.



## Training Infrastructure and Facilities at TPSDI - Jojobera



- Well-equipped laboratories for hands-on experience
- **Mechanical Lab overview :**



- **Electrical Lab View view :**



- Fully-equipped classrooms with HD projectors
- Fully-equipped Computer Lab for IT-enabled learning
- Power plant experts with vast experience as instructors and demonstrators for guided learning and mentoring.
- Library and Reference Books to supplement classroom teaching and other methods of learning. Site Visit for On-The-Job Learning
- Electrical Maintenance Setup
- Power Plant Mechanical Maintenance, Coal Handling System, Steam Generating System, Turbine and Auxiliaries, etc.,

## TPSDI Jojobera - Training Offerings

### Technical Helper - Mechanical & Electrical



- Power plant rigging practice
- Different types of rigging equipment, tools, and tackles
- Hands-on training on using various rigging tools and tackles
- Material handling and safety
- Cup lock scaffolding erection practice

### Assistant Fitter



- Basic Bench Fitting practices like use of hand tools & power tools which include marking, measuring, cutting, and assembling tools.
- Installation and maintenance of power transmission elements - locking devices, jigs & fixtures, shafts and coupling, belt, chain and gear drives
- Installation and maintenance of Bearings like Anti Friction and Friction Bearing and Bearing Seals
- Power plant equipment maintenance practice

## Domestic Wireman



- Basics of electricity, AC and DC Circuits
- Types of conductors, sizes and usage
- Wiring principles and methods, drawing and using electric circuits for various kinds of house and industrial uses like power, lighting, appliances etc.
- Laying of single phase and three phase electric circuits
- Hands-on learning of various types of conducts, casing and capping, concealed wiring etc.
- Hands-on learning on mounting and dismantling of various electrical accessories and fixtures and connection - switches lights etc.

## Safety, Health & Environment



- Working at Heights including scaffolding skills
- Electrical Safety skills
- Working in Confined Space skills
- Excavation – Shoring and Slopping skills
- Mobile Crane Rigging & Slings skills
- Lock Out Tag Out (LOTO) skills
- Basic Fire Safety and Life Support skills
- Health and Environment Skills

## Contact - TPSDI

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