

LEAD POWERHOUSE TECHNICIAN

MERCED IRRIGATION DISTRICT LEAD POWERHOUSE TECHNICIAN

FLSA STATUS – Non-Exempt
Bargaining Unit – IBEW, Local 1245
Classification Level – Per IBEW Wage Schedule

DEFINITION

Under general supervision, plan, assign, supervise and participate in the work of crews engaged in the maintenance and operation of hydroelectric plants, switchyards, dams, and all project property. Act as backup for Project Manager. Perform related work as required.

ESSENTIAL FUNCTIONS OF THE POSITION:

- Review the work of assigned employees for accuracy, proper work methods, techniques, and compliance with applicable standards and specifications.
- Direct, coordinate and review the work plan for assigned responsibilities; meet with staff to identify and resolve problems; assign work activities and projects; monitor work flow; review and evaluate work products, methods and procedures.
- As required, direct the operation of the Plant making operating adjustments including startup or shutdown as appropriate.
- Direct and perform all routine plant maintenance tasks, troubleshoot systems utilizing blueprints, electrical diagrams and hardware components.
- Direct and operate heavy equipment and perform rigging operations as assigned in a safe manner.
- Direct and conduct preventative maintenance as scheduled and perform tasks that require welding, carpentry, support equipment repair and other similar needs of this remote job site.
- Collect operational data and produce routine reports.
- Write reports, prepare and maintain records.
- Assess jobs and prioritize work schedules.
- Routine after hour's on-call duty requiring response to afterhour's emergency callouts.
- Other related duties as required.

KNOWLEDGE AND ABILITIES

Knowledge of:

- The principals of operating a hydro-electric powerhouse.
- Basic electricity, AC & DC circuits and AC & DC machines.
- Methods, materials, equipment and tools used in the maintenance and operation of power plant facilities; basic electricity, mechanical and hydraulic principles
- Policies and procedures with respect to powerhouse operation.
- Recordkeeping and reporting procedures.
- Hazards and safety precautions along with safe work practices.
- Basic methods, tools, techniques and materials used in the construction, maintenance, repair and cleaning of hydro-electric facility.
- Basic math calculations.
- Pertinent Federal, State and Local laws, codes and regulations.

Ability to:

- Work without direct supervision.
- Understand and follow oral and written instructions.
- Communicate clearly and concisely, both orally and in writing.
- Ability to use technical manuals; electrical, mechanical and civil blueprints; electrical test equipment; computerized analysis equipment; power and hand tools.

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- Plan, organize and direct the work of several employees.
- Ability to read and interpret plans and specifications; electrical, mechanical, hydraulic and civil drawings.
- Delegate authority and responsibility as needed.
- Interpret, explain and enforce departmental and District policies and procedures.
- Follow all applicable safety rules and regulations of Merced Irrigation District.
- Operate District vehicles in a safe manner.
- Understand and carry out oral and written directions.
- Communicate clearly and concisely, orally and in writing.
- Establish and maintain cooperative relationships with those in the course of work.

SPECIAL REQUIREMENTS

- Possession of an appropriate valid California Driver's License.
- Current DMV printout required prior to hire showing a clean driving record.
- Required to reside in MID housing at Exchequer Dam and will be subject to call out for any powerhouse related problems.

MINIMUM QUALIFICATIONS

EDUCATION

Any combination of education and experience equivalent to graduation from high school, including classes in algebra and trigonometry plus classes in basic electricity, AC & DC Circuits and AC & DC Machines. These classes may be by correspondence schools or by local adult classes; must demonstrate the ability to pass a written test pertaining to the above subjects.

EXPERIENCE

- Five (5) to eight (8) years experience at a Hydro-Electric Powerplant.
- Supervisory experience is desirable.

TYPICAL PHYSICAL DEMANDS:

The physical and mental demands described herein are representative of those that must be met by an employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions:

- Must be able to carry, push, pull, reach and lift equipment and parts weighing up to fifty (50) pounds in accordance with safe working practices.
- Stoops, crawls, and climbs while performing work duties.
- Works in an environment with exposure to dust, dirt, and significant temperature changes between cold and heat.
- Climb ladders, climb steel structures, have dexterity to climb in and out of and work in close quarters. Have the ability to work at heights, walk in steep or uneven terrain and work outside in all kinds of weather.
- Operates District vehicles in delivering items and for travel between projects. Travels frequently by motor vehicle in the conduct of District business.
- Communicates orally with District employees and the public in face-to-face, one-on-one and group settings.
- Regularly uses a telephone and radio for communication.
- Uses office equipment such as computer terminal, copiers and FAX.
- Stand, or walk for extended periods of time.
- Hearing and vision within normal limits when corrected.

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Sitting:	Remains in a seated position for up to eight (8) hours per day.
Standing:	Remains in a standing position for up to eight (8) hours per day.
Hands/Arms:	Operates vehicles and completes mechanical operations for up to eight (8) hours per day
Lifting:	Raises and lowers supplies and equipment up to fifty (50) pounds.
Stooping:	Bends body downward and forward by bending at the knees or waist
Talking:	Expresses ideas and shares information by means of spoken work in person and by telephone.
Hearing:	Hears well enough to receive communications in person and by telephone.
Vision:	Operates vehicles and office equipment.

ENVIRONMENTAL FACTORS:

- Exposure to the sun: 50% or less work time spent outside a building and exposed to the sun.
- Some work performed in an outside environment

ESSENTIAL MENTAL ABILITIES:

- Exercise independent judgment.
- Self directing and organized.
- Reason objectively.
- Assess, project and plan work activities on a daily and weekly basis.
- Document concisely, accurately and timely.