

MERCED IRRIGATION DISTRICT METER/RELAY TECHNICIAN I/II

FLSA STATUS – Non-Exempt Bargaining Unit – IBEW, Local 1245

Classification Level – Per IBEW Electric Wage Schedule

One (1) Position

DEFINITION:

Under direct supervision, responsible for testing, installing, repairing, and maintaining District metering and system relays.

ESSENTIAL FUNCTIONS OF THE POSITION

- Ensure that work is done in accordance with accepted standards and safe work practices.
- Maintain single and polyphase meters, power plant meters, substation meters and intertie meters.
- Develop program(s) for solid state metering for field programming.
- Install and maintain Automated Meter Reading (AMR) and/or Automated Metering Infrastructure (AMI) systems, pulse recorders, and other metering ancillary equipment.
- Install three-phase metering and current transformers in electrical panels (0 to 600 volts).
- Program and install relays for substation feeder breakers, capacitors and switchgear.
- Troubleshoot and rewire metering equipment in energized panels.
- Install and test relays, contactors, motors and associated equipment in substations and on the transmission and distribution system.
- Perform electrical tests and repairs concerned with maintenance and performance evaluation of in-service relays to prevent and remedy abnormal behavior or failure of transmission and distribution lines and equipment.
- Connect test apparatus to troubled circuit.
- Analyze test results and interpret electrical diagrams to locate defective relay.
- Open/close switches to isolate defective relays and make adjustments or remove relay for repair.
- Test circuit and equipment to evaluate such factors as insulation quality.
- Analyze test data to determine performance characteristics of relays and effect of system modifications on relay performance.
- Program settings for various electric line equipment, such as capacitors, reclosers and switchgear
- Perform related duties and responsibilities as assigned.

KNOWLEDGE AND ABILITIES:

Knowledge of:

- Principles and methods, materials, tools, equipment, computers, terminology, mathematics (including trigonometry) associated with typical duties, basic electrical and electronic theory and vector analysis used in the installation and testing of electric meters and protective relays.
- Computer technology and programming.
- Utility electrical design standards.
- Basic substation equipment operation.
- Record-keeping and reporting procedures.
- Terminology and mathematics associated with department functions.
- Hazard and safety precautions.

METER/RELAY TECHNICIAN I/II

- Must have thorough knowledge of metering systems and principals of relay fundamental and possess ability to grasp training for rapidly changing metering technology.

Ability to

- Work with various computer software, including Microsoft Suite and the District's work order system(s).
- Adapt to changing technology.
- Work effectively under pressure to solve problems and complete all projects on time.
- Follow oral and written instructions.
- Establish and maintain cooperative relations, internally and externally, with those contacted in the course of work.
- Keep accurate and detailed technical records and prepare reports.
- Make estimates of materials and costs.
- Respond to emergency situations and be on call as assigned.
- Observe District Safety Rules.
- Work alone or in a group setting.
- Operate trucks and forklifts.

SPECIAL REQUIREMENTS:

- Recognized status as a Journey level Electrician – OR — Recognized status as a Journey Level Lineworker or any combination of experience and training that would provide the required knowledge and abilities.
- A Department of Motor Vehicles "Driver Record Information" print-out will be required at time of hire and throughout employment. Must be enrolled in District's DMV pull-notice program.

MINIMUM QUALIFICATIONS: EDUCATION:

Any combination of education, experience, knowledge, and abilities may satisfy the necessary minimum qualifications. A typical way to obtain the education, experience, knowledge, and abilities would be:
Education: High school diploma or equivalent. Associate degree or certificate in an Electrical, Electronics or Computer Electronics field from an accredited college or vocational trade school is preferred.

EXPERIENCE – METER/RELAY TECHNICIAN I:

Two (2) years of increasingly responsible experience in the operation of electrical system and construction repair, **OR**

- Completion of a recognized apprenticeship as an electrician **AND** four (4) years' experience performing the work of an electrician **OR**
- An Associates of Arts or Certificate of Arts Degree in Electrical Technology may be substituted for two (2) years of the required experience.

EXPERIENCE – METER/RELAY TECHNICIAN II:

Same experience noted above, plus three (3) years at the District or similar utility in Meter/Relay Technician role.

Successful completion of the following training:

- Certification of Hazardous Waste Operations and Emergency Response (HAZWOPER) 29 CFR 1910.120 (40 hours).
- Forklift certification.

METER/RELAY TECHNICIAN I/II

- Eight (8) hours Department of Transportation manifesting and labeling training.
- Control of Hazardous Energy.
- Eight (8) hours of annual HAZWOPER refresher training in compliance with mandated regulations.
- Annual cardiac pulmonary resuscitation, AED and first aid training and certification.

TYPICAL PHYSICAL ACTIVITIES:

- 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.
- Working at heights, confined spaces and with live electricity.
- Regularly uses a telephone and radio for communication.
- Uses office equipment such as computer terminal, copiers, and FAX.
- May sit or walk for extended periods of time.
- May walk in uneven terrain, in an outdoor environment, in varied weather conditions in the conduct of District business.
- Operates District vehicles and equipment used in construction, maintenance, and repair work.
- Must be able to push, pull, reach, and lift equipment and parts weighing up to fifty (50) pounds.
- Stoops, kneels, crouches, crawls, and climbs during field maintenance and repair work.
- Works in an environment with exposure to dust, dirt, and/or weed abatement chemicals, and significant temperature changes between heat and cold.
- Communicates orally with District staff in face-to-face, one-to-one settings.
- Hearing and vision within normal limits with coordination sufficient to maintain good awareness during maintenance and construction jobs.
- Climbing ladders, bending, stooping, or kneeling for extended periods of time.

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 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: 75% or less work time spent outside a building and exposed to the sun.
- Irregular or extended work hours: Per the Memorandum of Understanding (MOU).
- Most work performed in an outside environment with exposure to dust, dirt, and significant temperature changes between heat and cold.

ESSENTIAL MENTAL ABILITIES:

- Exercise independent judgment.
- Good analytical and problem-solving skills.

PLEASE POST: 1/20/2023

METER/RELAY TECHNICIAN I/II

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

Wages:	Technician I - Level ES6 - \$52.1311 Technician II – Level ES8 - \$57.9234
Date of Posting:	1/20/2023
Closing Date of Application Acceptance:	2/2/2023
Location of Job:	Castle Yard, Atwater, CA
Anticipated Interview Date	To Be Announced
Anticipated Start Date:	To Be Announced

Bids will only be accepted via the Merced Irrigation District's online application system.

**New users must set up an account at
<https://Merced.accessgovernment.net/ApplicantTracking>
Assistance with this new feature can be obtained in Human Resources**