

# Job Summary

The Fire Fighting GI Pipe Line Welder is responsible for performing professional welding work on GI (Galvanized Iron) fire fighting pipelines, including sprinkler lines, hydrant lines, risers, and pump room connections. The welder must ensure all welds meet project specifications, quality requirements, and safety standards while coordinating with fitters, supervisors, and inspectors.

## Key Duties & Responsibilities

### 1. Welding & Joint Preparation

- Perform Arc welding, Gas welding, and TIG/MIG welding for GI fire fighting pipes.
- Prepare pipe ends by cleaning, leveling, and positioning before welding.
- Ensure correct fit-up, alignment, and root gap before starting welding.
- Weld mains, branches, risers, flanges, couplings, fittings, and supports.
- Maintain proper heat control to avoid damage to GI coating.

### 2. Fire Fighting System Installation

- Weld pipelines for sprinkler systems, hydrant networks, hose reel lines, and pump room manifolds.
- Support fitters in assembling fittings like elbows, reducers, and tees.
- Follow drawings, welding diagrams, and work instructions provided by the supervisor.

### 3. Tools, Equipment & Consumables

- Operate welding equipment, cutting machines, and gas sets safely.
- Maintain welding machines, cables, clamps, and tools in good condition.
- Use correct welding rods/electrodes suitable for GI and mild steel pipes.
- Store consumables properly to maintain quality.

### 4. Safety & Compliance

- Follow hot work permit procedures before starting any welding activities.

- Use proper PPE (helmet, gloves, goggles, welding shield, apron) at all times.
- Ensure fire blankets, extinguishers, and safety barriers are in place.
- Adhere to project safety standards and fire protection guidelines.

## **5. Coordination & Reporting**

- Coordinate daily with pipe fitters, helpers, and supervisors.
- Report any technical issues, material shortages, or drawing discrepancies.
- Maintain daily logs of welding work completed.

## **Qualifications & Experience**

- 3–5 years experience in welding GI and MS fire fighting pipelines.
- Good knowledge of welding procedures for GI pipes.
- Experience in fire fighting system installation (sprinkler & hydrant).
- Ability to read simple drawings or welding sketches (preferred).

## **Key Skills**

- Strong welding skills for GI & MS pipes
- Skilled in grooving, cutting, beveling, and alignment
- Good understanding of fire fighting piping layouts
- Strong attention to detail, precision, and weld quality
- Ability to work under pressure and meet deadlines
- Teamwork and communication skills

## **Physical Requirements**

- Fit to work at construction sites
- Ability to lift, carry, and position pipes and welding equipment
- Comfortable working at heights and in confined spaces