



स्वातंत्र्याचा अमृत महोत्सव



Jalgaon City Municipal Corporation Jalgaon

**Guideline for House waste water
connection to Municipal sewerage system**

Jalgaon City Municipal Corporation Jalgaon

Guideline for connection of house to Municipal sewerage system

Guidelines for Municipal Licenced plumber

(Maharashtra Municipal Corporation Act clause No. 373)

1. Compliance with Local Codes and Regulations

- Plumbers must adhere to the plumbing codes, standards, and regulations specific to the Jalgaon city municipal corporation. This may involve obtaining permits and scheduling inspections with authorities.
- Ensure all necessary permits are obtained before starting the work. This might include excavation permits or approval from the JCMC.

2. Design and Planning

- **Site Assessment:** Evaluate the property to determine the optimal location for the sewer connection. This includes assessing the elevation, soil type, and proximity to the main sewer line.
- **Route Planning:** Plan the route for the sewer line, ensuring it avoids obstacles like trees, utility lines, and foundations. The route should be as straight as possible to minimize the number of bends and fittings required.
- **Sizing the Pipes:** the proper size of sewer pipes decided based on the number of fixtures in the house and anticipated waste volume.

3. Material Selection

- **Pipe Materials:** Use approved materials for sewer lines, such as PVC, HDPE. The choice of material may depend on soil conditions, and the depth of the sewer line.
- **Fittings and Connections:** Use appropriate fittings for changes in direction or connection points. All joints must be properly sealed to prevent leaks and infiltration.

4. Excavation and Installation

- **Excavation Safety:** Follow safety protocols during excavation, including shoring and bracing if digging deep trenches. Ensure that trenches are sloped correctly to prevent collapse.
- **Trenching:** Dig trenches to the correct depth and slope. The typical slope for sewer lines is 1/4 inch per foot (2% grade) to ensure proper gravity flow.
- **Bedding and Backfill:** Provide a proper bedding layer (such as sand or gravel) under the pipe to protect it and ensure it remains at the correct slope. Backfill the trench carefully to avoid damaging the pipe and to prevent future settlement.

5. Connection to the Main Sewer Line

- **Tapping the Main Sewer Line:** connecting to a municipal sewer system, coordinate with the authority to properly tap into the main line. requires a professional to perform the tap to avoid damaging the main line.
- **Cleanouts/chamber:** Install cleanouts at strategic points, such as at the base of vertical stacks and at the point where the sewer line exits the house. Cleanouts are essential for maintaining the sewer line and clearing blockages.

6. Testing and Inspection

- **Leak Testing:** Test the sewer line for leaks by plugging the end of the line and filling it with water (hydrostatic testing) or using air pressure testing, depending on local code requirements.
- **Inspection:** Schedule an inspection with the local authority before covering the sewer line. Inspections ensure that the installation complies with local codes and regulations.

7. Backfill and Restoration

- **Proper Backfilling:** Carefully backfill the trench, compacting the soil in layers to avoid settlement. Avoid using large rocks or debris that could damage the pipe.
- **Surface Restoration:** Restore the surface to its original condition, whether it's a lawn, sidewalk, or driveway. This may involve replanting grass or repairing pavement.

8. Maintenance and Documentation

- **Record Keeping:** Keep detailed records of the sewer line installation, including plans, permits, inspections, and materials used. This documentation is useful for future maintenance and for any future property transactions.
- **Ongoing Maintenance:** Provide the homeowner with guidelines for maintaining the sewer line, such as avoiding flushing non-degradable items and scheduling regular inspections.

By following these guidelines, plumbers can ensure that sewerage connections in houses are installed safely, efficiently, and in compliance with all applicable regulations.