



Indian Standard IS 15155:2020 - Your Guide to Durable Steel Cylinder Pipes

When selecting pipes for water transmission mains, sewer pumping mains, distribution feeder mains, or industrial applications, **reliability, longevity, and safety** are essential. High-quality pipes should withstand pressure, resist corrosion, and remain durable even under high internal pressures and harsh conditions.

Indian Standard IS 15155, formulated by the Bureau of Indian Standards (BIS), provides specifications for bar/wire wrapped steel cylinder pipes with mortar lining and coating. This standard ensures these pipes can **safely handle internal pressures and external forces**, making them suitable for various high-stress applications. The pipes are designed with a steel cylinder core, lined with cement mortar, helically wound with circumferential reinforcement, and coated with dense cement mortar for added strength and durability.

To meet these requirements, **IS 15155** specifies tests on **pipe strength, coating permeability, and joint dimensions**. Pipes undergo **hydrostatic and permeability tests** to confirm their ability to **withstand high water pressures and prevent leaks**. Additional quality checks on materials, including the steel and mortar, ensure that each pipe is resistant to cracking, corrosion, and water absorption.

The **BIS Standard Mark** signifies that pipes comply with **IS 15155**, guaranteeing **safety, durability, and long-term performance**. This standard helps you confidently select pipes for critical applications, assured of their quality and compliance.