

## **IS/ISO 3183:2019 Petroleum and Natural Gas Industries — Steel Pipe for Pipeline Transportation Systems (*Second Revision*)**

Steel pipes for petroleum and natural gas pipeline transportation are specially engineered to withstand the rigorous demands of transporting fuel over long distances. These pipes are available in seamless and welded forms. These pipes are constructed to handle high pressures, resist corrosion, and endure harsh environmental conditions.

BIS first published this standard for steel pipes for pipeline transportation in the year 2009 by adopting ISO 3183. This standard has been revised two times in 2019 to align with the latest version of ISO 3183.

This standard specifies the requirements for seamless and welded steel pipes used in pipeline transportation systems within the petroleum and natural gas industries. It adopts and aligns with ISO 3183, supplementing the API Spec 5L, 46th edition, for the manufacturing, testing, and quality assurance of steel pipes used in transporting natural gas and petroleum products.

This standard distinguishes between two product specification levels, PSL 1 and PSL 2, with detailed requirements for each. It includes guidelines on pipe dimensions, chemical compositions, mechanical properties, non-destructive testing, and marking. This standard provides a unified framework to ensure pipeline reliability, safety, and consistency across international and regional applications.