



# INTERNATIONAL CERTIFICATION SERVI

## the Pipeline integrity Management system ( PIMS)

### What Is the Pipeline integrity Management system ( PIMS)

Every natural gas/ city gas distributor pipeline operator's primary focus shall be on operation and maintenance of natural gas pipeline in such a way that it would continuously provide un-interrupted services to customers with utmost reliability and safety without any untoward incident which can adversely impact the environment. A pipeline Integrity Management System shall provide a comprehensive and structured framework for assessment of pipeline condition, likely threats, risks assessment and mitigation actions to ensure safe and incident free operation of the pipeline system

#### comprehensive integrity management system

**Integrity Management Plan (IMP):** This encompasses collection and validation of data, assessment of spectrum of risks, risk ranking, assessment of integrity with respect to risks, risks mitigation, updation of data and reassessment of risk.

**Performance evaluation of IMP:** This is a mechanism to monitor the effectiveness of integrity management plan adopted and for further improvement.

**Communication Plan:** This covers a structured plan to regulate information and data exchange within and amongst the internal and external environment.

**Management of Change:** This is the process to incorporate the system changes (technical, physical, procedural and organization changes) into integrity management plan to update the integrity management plan.

**Quality Control:** This is the process to establish the requirements of quality in execution of the processes defined in the integrity management plan.

#### Why Required Integrity Management System

Pipeline Integrity Management System for Natural gas and City gas distribution pipelines is requirement of PNGRB Notification:

E.No. Infra/IM/NGPL/12010. These regulations may be called the Petroleum and Natural Gas Regulatory Board (Integrity Management System for Natural gas pipelines) Regulations, 2012.

F No. INFRA/IMP/CGD/1/2013: These regulations may be called the Petroleum and Natural Gas Regulatory Board ( Integrity management system for City or local Gas distribution Network) regulation 2013

