

# Steam System Assessments



## Overview

Steam is used to provide process heat and mechanical power. Steam losses in the process is a major problem faced by industries. However, a well-designed and maintained steam distribution system can reduce the losses and improve the efficiency of the steam system thus reducing energy costs.

A Steam System assessment provides appropriate insights to the operational personnel and plant energy managers enabling them to identify opportunities to improve the energy efficiency and productivity of industrial steam systems.

## TUV India's Role:

- TUV India's energy team conducts onsite steam system survey, measurement, analysis, recommendations and technical reports preparation. Based on state-of-the-art sophisticated measuring instruments, more reliable and structural data analysis can be done and more effective steam savings scheme can be developed
- The energy team has the experience and expertise to identify potential areas in steam system where improvements can be made with more reliability, performance and cost-effectiveness

Steam systems assessment will covers important areas such as:

- Steam Generation (boiler house audit)
- Steam Distribution (line sizing, steam trap, insulation)
- Flash steam & Condensate recovery
- Waste heat recovery

## Assessment Approach:

- Offer finalisation with the client based on the information provided (scope, criteria, etc)
- Defining the assessment planning & approach
- Preliminary Review & verification of the Organizations Steam Consumption Data
- Onsite assessment for detailed assessment of operating practices and steam usage patterns
- Submission of the Steam Assessment report

## Why choose TUV India

- Pool of experienced Steam Experts to conduct detailed Steam Audit in all types of industries e.g. Chemical & Petrochemical, Cement, Power, Tyres, Paper, Automobile, Textile & Textile Processing, Pesticides, Fertilizer, Paints, Steel, Engineering, Ceramic, Synthetic Fibers, Hotels and Commercial Buildings etc.
- Registered with GEDA (Gujarat Energy Development Agency), MEDA (Maharashtra Energy Development Agency), PCRA (Petroleum Conservation Research Association), KEMA (Energy Management Centre – Kerala), NREDCAP for undertaking Energy Audits



- Accredited as PAT Verification Agency by BEE

In addition to the above, our credentials include –

- Wide pool of highly qualified and experienced assessors across India
- Comprehensive and diverse range of value - added services
- Key account management
- One-stop solution for your sustainability requirements

## About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Gas, Petro-

chemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma, Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

Over 1400 competent and experienced TUV India experts spread across India and over 14000 TÜV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TUV India Training Academy.

## TUV India Private Limited

### Registered & Head Office

801, Raheja Plaza-I, LBS Marg, Ghatkopar (W), Mumbai - 400086

T +91 22 664 77000, T 1800 209 0902

E [infoindia@tuv-nord.com](mailto:infoindia@tuv-nord.com)

W [www.tuv-nord.com/in](http://www.tuv-nord.com/in)

