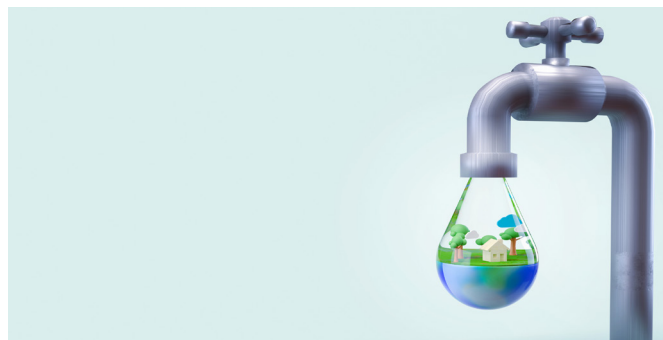


Water Footprint Assessment / Audit



Overview

Recent Government guidelines regarding water conservation are aimed at benchmarking water usage across different industrial sectors.

The guidelines notified by the Central Ground Water Authority (CGWA) under the Jal Shakti Ministry prescribes a minimum environmental compensation on industrial, mining and infrastructure users for extracting groundwater without a no objection certificate (NOC). Accordingly, industries have to carry out water audit on periodic basis to understand the water footprint within their boundary.

Nowadays, the importance of water assessment has been increased due to the significant usage of water resources in the process industry. Water Audit not only helps to save the cost, but also encourages natural resources conservation.

Comprehensive water audit gives a detailed profile of the distribution system and water users, thereby facilitating easier and effective management of the resources with improved reliability.

Benefits:

- Scientific assessment identifies the parameters like quality, nature and quantity of water consumption
- Helps to identify inefficient uses, problem areas wherein water conservation and remedial measures

can be undertaken

- Clear identification of sources of water (i.e. fresh water and reused or recycled water)
- Identifying the opportunities and quantifying reduction in water footprint
- For efficient water management, treatment and monitoring
- Establish and prioritize opportunities for reducing water footprint to establish basis for decisions
- Information for more reliable and extensive database for the creation of water conservation policy
- Improve efficiency in water usage and reduce the losses

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 Water Consumption Data
- Onsite assessment for detailed assessment of operating practices and water usage patterns. The typical methodology includes study of past trend of water consumption, sources of water and corresponding quantities of water drawn from the sources, rationale for baseline determination as well as discussion with plant and process personnel regarding the plant and process requirements.



- Submission of the Steam Assessment report. The report consists of assessment team impressions related to determination of efficiency of water usage, appropriateness of mass balance of for water consumption and reliability of data processing and gap analysis. The report will also provide discussion on results, scope of opportunities for improvement, recommendations and overall conclusions. The reports to be submitted to CGWA would be in line with the compliance protocols.

Why choose TUV India

TUV India has carried out extensive Water Assessment and is closely associated with several water conservation projects in the industrial sector (for e.g. Chemical & Petrochemical, Cement, Power, Sugar, Paper & pulp, Textile, Pesticides, Dairy, Food Processing, Breweries, Pharmaceutical, Fertilizer, Paints, Engineering, Ceramic, Synthetic Fibers and Hotel etc).

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

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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, Petrochemical, 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.

