

# Zero Waste to Landfill Assessments



## Overview

The sustainable business practices recognize that there is obvious link between the improved use of resources and outlay savings. Efforts are being taken by the organizations towards meeting the objective of “Zero Waste to Landfill” (ZWL).

‘Zero Landfill’ is avoidance of disposal of waste to landfills. The avoidance of waste to the landfills can be achieved by

- Reduction of waste generation
- Elimination of wastes
- Findings useful application of wastes in the process (reuse)
- Organization wastes can be useful resource for other organization
- Recycling
- Recovering energy by anaerobic digestion
- Composting of bio-degradable material etc

## Benefits:

- Waste reduction
- Material efficiency
- Green House Gas Reduction
- Identification and improvements of processes or divisions
- Mitigation of the adverse environmental impacts
- Meeting environmental goals
- Improved Corporate Social Responsibility
- Improved environmental performance additional to

legal norms

- Institute as leader in the peer community

## Assessment Approach:

TUV India has developed a methodology for the evaluation of waste reduction efforts in accordance with the ZLD intent. The methodology is also dynamic in nature as it establishes baseline waste generation, enumerates waste diversion rates and establishes benchmark for continual improvement of diversion rate.

- Categories of Waste Diversions
  - Baseline Diversion Rate
  - Silver Diversion Rate
  - Gold Diversion Rate
  - Platinum Diversion Rate
- What qualifies as diversion?
  - Finding useful applications of wastes in the process (re-using)
  - Organizational wastes can be a useful resource for other organizations (Supply to other organizations)
  - Recycling of wastes
- What is evaluated?
  - Mass of product produced
  - Movement of the waste material
  - Process flow diagram with mass balance
  - Waste elimination methods
  - Waste reduction methods
  - Waste diversion methods



- The typical process steps include -
  - Offer finalisation with the client based on the information provided (scope, criteria, etc)
  - Defining the assessment planning & approach
  - Preliminary Review & verification of the Organizations waste handling, disposal & diversion data
  - Onsite assessment for detailed assessment of operating practices and waste management controls
  - Submission of the ZWL Assessment report
  - Technical Review & Award of Certification by TÜV India

## Why choose TÜV India

- 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:

TÜV 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

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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 TÜV 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 TÜV India Training Academy.

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