

TUV India – Zero Waste To Landfill

What is 'Zero Landfill'?

TUV India Private Limited proposed the methodology to evaluate the efforts taken by the organizations towards meeting the objective of the "Zero Waste to Landfill". The sustainable business practices recognize that there is obvious link between the improved use of resources and outlay savings.

'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

What are advantages of 'Zero Waste Landfill'?

- ⇒ Waste reduction
- ⇒ Material efficiency
- ⇒ Green House Reduction
- ⇒ Identification and improvements of processes or divisions
- ⇒ Reduction in the adverse environmental impacts
- ⇒ Meeting environmental goals
- ⇒ Improved Corporate Social Responsibility
- ⇒ Environmental performance additional to legal norms
- ⇒ Institute as leader in the peer community
- ⇒ Certified by TUV India's standard

Approach of Evaluation

TUV has developed methodology for evaluation of waste reduction efforts. 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 application of wastes in the process (re-using)
- ⇒ Organizational wastes can be a useful resource for other organization (Supply to other organization)
- ⇒ 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
- ⇒ Associated records of movement of waste

Certification Procedure

- ⇒ Acceptance of the proposal with agreed methodology
- ⇒ Submission of data as requested after signing the contract
- ⇒ Evaluation of documentation by TUV India & release of desk review and onsite assessment report with gap analysis
- ⇒ Submission of final documentation along with corrections / additional clarifications as applicable
- ⇒ Final Evaluation documentation and recommendation to Final Approver of TUV India
- ⇒ Award of Certification by TUV India

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Audit Stages

Stage I Audit

- ⇒ To collect necessary information with regard to the scope of the Certification, processes and locations of the client, and related statutory and regulatory aspects and compliance
- ⇒ To check the claims against the TUV India's methodology

- ⇒ Evaluation of internal assessment and management reviews and the level of implementation of the criterion set by TUV India
- ⇒ To provide a focus on planning stage II audit

Stage II Audit

- ⇒ Assess Information and evidence about conformity to all requirements of the methodology or other normative document.
- ⇒ Assess processes, review the mass balance for various processes;
- ⇒ To verify the material balance from the procurement, production, dispatch and waste generation data
- ⇒ Finalization of Waste Diversion data
- ⇒ Issuance of Certificate

Why TUV India?

- ⇒ Established and reliable partner for inspection, certification and verification of 'Zero Waste to Landfill'
- ⇒ Comprehensive knowledge
- ⇒ Conducted extensive audits under similar portfolios like energy labelling, sustainability assurance, supply chain audits, green product certification, environmental compliance audit etc.



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