



CII-ITC Centre of Excellence  
for Sustainable Development



Confederation of Indian Industry

## Certificate of Validation

### Zero Waste to Landfill Achievement

Presented to

### Mundra Port

**Adani Ports and Special Economic Zone Ltd**

*At & Post –Mundra, Gujarat–370405, India*

This is to certify that **Mundra Port** has successfully achieved the **Zero Waste to Landfill (ZWL) Platinum – Class I Rating** by demonstrating outstanding leadership in waste management practices through:

- *Waste Diversion Rate: Attaining a diversion rate of 99.61% from landfill through the adoption and implementation of the 5R principles — Reduce, Reuse, Repurpose, Recycle, and Recover.*
- *Sustained Commitment: Maintaining ongoing compliance through participation in annual surveillance audits to ensure conformance and adherence to ZWL principles.*

**ZERO  
WASTE  
TO LANDFILL**



**Seema Arora**  
*Deputy Director General*  
**Confederation of Indian Industry**

**Certificate Issued on: 03 May 2025**

**Certificate No.: CII/ZWL/2025/001**

Validity of Certification: *From 23 December 2024 to 22 December 2027*

Initial Certification: TUV/ZWLMS/2021/Adani Ports/0501

**This certification is awarded based on the evidence submitted and verified during the assessment period. The certified organization bears sole responsibility for the accuracy of submitted data and for maintaining ongoing compliance. For detailed terms of certification, audit findings, and evaluation methodology, please refer to the attached Annexure.**



## Annexure

**Verification Date:** 23rd–24th December 2024

**Verification Report No.:** ZWL/Verification/2025/ASPEZ/Mundra

The CII-ITC Centre of Excellence for Sustainable Development (CII-CESD) was engaged by Adani Ports and Special Economic Zone (ASPEZ) Limited, Tehsil – Mundra, District – Bhuj (Kutch), to provide assurance of their Zero Waste to Landfill (ZWL) practices.

### Intended users

The intended users of this assurance statement are the management and stakeholders of Mundra Port Limited, Mundra, Bhuj (Kutch). CII-CESD's responsibility was limited to the ZWL assessment and verification of applicable documentation, monitored data, and observations from the site visit, in accordance with the agreed scope of work. This engagement is based on the assumption that the information and data provided by the client are authentic, accurate, and complete.

### Responsibilities of Mundra Port Limited and the Assurance Provider

Mundra Port Limited is solely responsible for the content and accuracy of the ZWL Report and related data. CII-CESD's assurance statement represents an independent and balanced opinion based on the information provided by Mundra Port Limited.

### Assurance standard

The assurance was conducted in accordance with AA1000 Assurance Standard (AA1000AS v3), Type 1, Moderate Level of Assurance, evaluating adherence to the AA1000 Accountability Principles Standard (AA1000APS 2018), namely: Inclusivity, Materiality, Responsiveness and Impact

### Methodology

The assurance process involved both a desktop assessment and an on-site verification, including:

- Review of documentation and records
- Verification of waste management data
- Site inspections
- Interviews with EHS team members, waste handlers, and personnel involved in waste management

A risk-based approach was adopted, focusing on critical waste streams from generation to end-of-life. Activities included:

- Review of processes for waste mapping and identification
- Assessment of systems for data collection, consolidation, and monitoring
- Interviews with EHS and operations personnel



- Evaluation of adherence to AA1000APS principles
- Examination of landfill diversion rate calculation methodologies
- Review of waste management practices and records up to the supply chain vendors
- Verification of legal compliance documentation for waste handling

### Scope and Limitations

The verification was based on the procedures, documents, records, data provided by the client, desktop assessment and site visits. Meetings, clarifications from the client through con calls. The boundary is as set out in the report covering Zero Waste to Landfill activities including the Waste Diversion Rate of Mundra port Limited. During the assurance process, we did not come across limitations to the scope of the agreed assurance engagement. No external vendor was interviewed as part of this assurance engagement. This statement relates specifically to the information disclosed in the ZWL Report and may not be interpreted as validating environmental data reporting in other sources.

### ZWL Rating Criteria

#### Rating Criteria Based on Waste Diversion Rate

Certificate Category	Waste Diversion Rate
Platinum	> 99 % diversion
Gold	> 95 % diversion
Silver	> 90 % diversion

#### Special Recognition: 5R Metrics Performance

Special Recognition Class	Diversion through 5 R's (Reduce, Reuse, Repurpose, Recycle, Recover)
Class I	> 70 %
Class II	> 50 %
Class III	> 30 %
Class IV	Up to 30 %

### Findings, Conclusions, and Recommendations

The ZWL assessment at Mundra Port was conducted on 23<sup>rd</sup> 24<sup>th</sup> December 2024 through a combination of desktop review and on-site verification. The assessment confirmed that the Port has implemented effective waste management practices and achieved a 99.61% diversion rate from landfill. Over 99.9% of waste streams, including municipal solid waste (MSW), plastic waste, e-waste, and battery waste, have been diverted through reuse, recycling, and recovery. Glass wool waste, classified as hazardous, was appropriately disposed of at an authorized Treatment, Storage, and Disposal Facility (TSDF) in compliance with applicable regulations.



The submitted documentation and site observations support the conclusion that the report accurately reflects Mundra Port's ZWL practices. These practices meet the criteria for Type-1, Moderate Assurance as per the AA1000 Assurance Standard (AA1000AS). The Port is therefore recommended for Platinum Certification under Class I of the ZWL Rating System.

### ***Positive Observations***

- Strong leadership and commitment from top management.
- A dedicated EHS team effectively manages waste handling and monitoring.
- Well-structured on-site systems for waste segregation, labelling, and storage.

### ***Recommendations***

1. Ensure traceability of waste handled by off-site vendors through end-of-life.
2. Secure vendor declarations confirming no landfill disposal of residual by-products post-processing.
3. Improve tracking and on-site management of Construction and Demolition (C&D) waste; prevent off-site littering.
4. Adopt Circular Economy (CE) strategies to reduce generation of metal, rubber, and RDF waste.
5. Explore sustainable alternatives for the disposal of glass wool waste.

### **Validity and Terms**

- **Initial Certification Validity:** 23<sup>rd</sup> December 2024 to 22<sup>nd</sup> December 2027
- **Surveillance Requirement:** Annual surveillance audits are required to maintain certification status.
- **Non-Compliance:** CII-CESD reserves the right to revoke certification if significant deviations or non-conformances are identified.

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