

**Before the National Green Tribunal**

**SOUTHERN ZONE, CHENNAI**

**Execution Application No.11 of 2023 (SZ) in**

**Original Application No.523 of 2018 (PB)**

**WITH**

**Original Application No.127 of 2022 (SZ)**

**WITH**

**Original Application No.156 of 2024 (SZ)**



**DETAILED STATUS REPORT AND WORKABLE PLAN OF  
ACTION FOR HANDLING LEGACY WASTE AND  
ACHIEVING ZERO FRESH DUMPING AT VELLALORE  
FILED BY THE COIMBATORE CITY MUNICIPAL  
CORPORATION**

**NAJEEB USMAN KHAN**

**Counsel for 1<sup>st</sup> Respondent**

**Cell : 98400 33766**

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,  
SOUTHERN ZONE, CHENNAI

Execution Application No.11 of 2023 (SZ) in

Original Application No.523 of 2018(PB)

WITH

Original Application No.156 of 2024 (SZ)

WITH

Original Application No.127 of 2022(SZ)

**IN THE MATTER OF:**

V. Eswaran, Coimbatore. ...

Applicant(s)

Versus

The District Collector, Coimbatore District and Another. ...

Respondent(s)

WITH

Tribunal on its own motion SUO MOTU based on the news item published in 'The Hindu'  
dated 07.04.2024, titled "Fire breaks out at Vellalore landfill in Coimbatore"

And

Central Pollution Control Board through its Member Secretary, New Delhi and Others...

Respondent(s)

WITH

K.S. Mohan, Coimbatore. ...

Applicant(s)

Versus

The Corporation of Coimbatore Represented by its Commissioner Coimbatore and Others....

Respondent(s)

INDEX

S.NO	PARTICULARS	ANNEXURE	PAGE NO
1.	Comprehensive Status Report And Action Plan		1
2.	Bio mining Phase I Project Completion Certificate issued by Centre for Environmental Studies, Anna University dated 27.01.2025	<b>Annexure I</b>	14
3.	Comprehensive Project Report of Bio Mining Process (Contractor –DJG energy solutions)	<b>Annexure II</b>	120
4.	CCMC Notice to the Contractor (DJG) in pursuance to the order by NGT	<b>Annexure III</b>	123
5.	Open dumping and Waste Processing Report (From November 2023 to June 2025)	<b>Annexure IV</b>	126
6.	Letter from DJG- Contractor and Letter from CES & Anna University	<b>Annexure V</b>	128
7.	Tree Plantation Report	<b>Annexure VI</b>	134
8.	Letter sent by Municipal Administration and Water Supply Department for Committee meeting	<b>Annexure VII</b>	167
9.	Presentation Copy of the Meeting held on 29.07.2025	<b>Annexure VIII</b>	170
10.	Minutes of meeting from CCMC office	<b>Annexure IX</b>	199
11.	Detailed Action Plan	<b>Annexure X</b>	201
12.	Advocate Counsel- Vellalore site visit photographs	<b>Annexure XI</b>	204

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

COMPREHENSIVE STATUS REPORT AND ACTION PLAN

This Status Report is respectfully submitted on behalf of the Respondent, Coimbatore City Municipal Corporation (CCMC), through its Commissioner, Mr. M. Sivaguru Prabakaran, IAS. It serves as a continuation of the earlier status reports and should be read in conjunction with them to provide a comprehensive understanding of the ongoing matters.

1. The present report is filed as a continuation of the Respondent's commitment to fully comply with the aforesaid directions and to place on record a comprehensive, structured, and time-bound Action Plan for the complete removal and scientific remediation of legacy waste at the Vellalore Dump Yard, Coimbatore.
2. The present report outlines the upgraded strategy and focused intervention measures adopted by the Coimbatore City Municipal Corporation, which include the augmentation of segregation and processing machinery, deployment of additional manpower, and enhancement of on-site operational efficiency. These measures reflect the sustained efforts of the Corporation to eliminate open dumping, to undertake scientific bio-mining of legacy waste, and to progressively reclaim the Vellalore Dump Yard land for environmentally beneficial purposes, including afforestation, tree plantation, and other sustainable land-use practices.
3. The Corporation is actively collaborating with the Committee constituted under the Chairmanship of the Principal Secretary to the Government of Tamil Nadu and is extending full cooperation and assistance to the Tamil Nadu Pollution Control Board in conducting their monthly inspections and monitoring activities at the Vellalore compost Yard.
4. In compliance with the Hon'ble Tribunal's directions, a comprehensive set of ten annexures has been appended to this report. These annexures cover all relevant physical, operational, environmental, contractual, and financial aspects pertaining to the legacy waste clearance operations at the Vellalore Compost Yard.
5. The Corporation reaffirms its full commitment to complete the legacy waste clearance as soon as possible by employing scientific bio-mining methods. Continuous efforts are being made to optimize operational strategies, including the extension of daily processing hours, deployment of additional machinery and equipment, and mobilization of increased manpower, all aimed at expediting the legacy waste removal process effectively and sustainably.

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

6. **Completion of phase I Bio-mining project and Certification by Centre for Environmental Studies (CES), Anna University, Chennai:**

- a. The Coimbatore City Municipal Corporation (CCMC), in collaboration with the Centre for Environmental Studies (CES), Anna University, Chennai, has successfully completed Phase I of the bio-mining project at the Vellalore Compost Yard, demonstrating a robust commitment to scientific and sustainable waste management. The contract for this phase, awarded to M/s DJG Energy Solutions Private Limited at a cost of ₹60.11 Crores, encompassed the bio-mining of 9,40,044 cubic meters of legacy waste. The processing activities, which began in February 2021, were completed on 13.03.2024, adhering to stringent environmental and scientific standards. This milestone underscores CCMC's dedication to addressing legacy waste challenges while promoting environmentally responsible practices.
- b. The disposal of 2,72,936 cubic meters of Refuse-Derived Fuel (RDF), representing approximately 16.37% of the total waste processed, was finalized by 08.12.2024 despite logistical challenges. Delays in RDF disposal were primarily due to cement industries' inability to accept the material promptly, caused by excessive pre-existing stock at their facilities. Nevertheless, CCMC effectively managed these constraints, ensuring the successful completion of Phase I. The project's execution was rigorously evaluated and certified by CES, Anna University, with a Completion Certificate issued on 27.01.2025, verifying compliance with all prescribed standards. The certificate, along with comprehensive documentation of disposal activities, is enclosed as **Annexure I** for the Hon'ble Tribunal's perusal.
- c. Beyond waste remediation, Phase I has facilitated significant environmental and community benefits, including the reclamation of land previously occupied by legacy waste, paving the way for potential sustainable land use. The project aligns with broader goals of reducing landfill dependency, enhancing resource recovery, and mitigating environmental hazards associated with legacy waste. By integrating advanced bio-mining techniques and ensuring thorough oversight by CES, CCMC has set a precedent for effective waste management practices that can serve as a model for other municipalities. The Corporation remains committed to advancing subsequent phases of the project to further enhance environmental sustainability and public health in the region.

  
**COMMISSIONER  
COIMBATORE CORPORATION**

## 7. Implementation of Phase II Bio-Mining Project:

- a. The Coimbatore City Municipal Corporation (CCMC) has diligently initiated the Phase II bio-mining project at the Vellalore Dump Yard, following administrative and technical sanctions for funding and adherence to mandated tendering procedures. However, an unforeseen fire incident on 06.04.2024 necessitated a comprehensive re-evaluation and re-survey of the legacy waste quantity, certified by the Centre for Environmental Studies (CES), Anna University. Based on this certification, a Revised Detailed Project Report (DPR) was submitted on 18.12.2024 and approved by the Directorate of Municipal Administration on 20.12.2024. Consequently, the tender was re-floated on 28.12.2024, with the work order issued to the successful contractor on 19.02.2025. On-ground operations commenced on 06.03.2025, despite delays caused by the fire, with the project estimated at ₹58.54 Crores.
- b. The contractor completed the three-month mobilization period by May 2025, deploying necessary manpower and equipment. As of 31.07.2025, 97,077.52 metric tonnes of legacy waste have been scientifically processed, representing 11.63% of the total target quantity. Of this, approximately 13,300.275 metric tonnes (14.39%) have been disposed of as Refuse-Derived Fuel (RDF) at the Vellalore Compost Yard. The project maintains steady progress, with ongoing efforts to enhance daily processing capacity and ensure environmentally compliant disposal as per regulatory standards. Additional measures are being implemented to accelerate operations and meet prescribed timelines.
- c. A comprehensive Project Report, enclosed as **Annexure II**, details the work undertaken up to 31.07.2025, including operational status, processed waste quantities, RDF disposal data, and other progress metrics. Photographic documentation captured by designated duty officers provides visual evidence of on-site activities, covering waste processing, material segregation, equipment deployment, and site conditions. A summary of RDF disposal and materials recovered from legacy waste processing is also included, reflecting the Corporation's commitment to transparency and accountability. All relevant documentation from prior submissions is available for the Hon'ble Tribunal's perusal.
- d. As part of the ongoing operations, the following data provides an overview of:
  - The quantity of RDF supplied to identified cement industries for co-processing, and

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

- The categorization of segregated materials recovered on-site during the scientific bio-mining process.
- e. This information is submitted to highlight the Corporation's continued efforts toward environmentally sound waste disposal and resource recovery in accordance with the Hon'ble Tribunal's directions.

**Disposal of Refuse-Derived Fuel (RDF) to Cement Industries:**

CEMENT FACTORY	DISTRICT	TONNES DISPOSED
Dalmia Cements	Ariyalur	3,249
Dalmia Cements	Dalmiapuram, Trichy	9,723
Chettinad Cements	Keelapalur, Ariyalur	80.745
Chettinad Cements	Karikali, Dindugal	83.105
Chettinad Cements	Puliyur, Karur	164.29
Total RDF disposed quantity (in Tons)		13,300.275

**Summary of Recovered Material from Bio-Mining Process Phase II (31.07.2025):**

S.no.	Recovered Material	Quantity (MT)	Usage
1.	Coarse soil	57,025.69	Utilized for Landscaping and landfilling purposes.
2.	Fine Soil	3,698.074	Utilized for agricultural purposes as soil enhancers.
3.	Scrap	2,424.893	Including plastics and inert material, has been Segregated for appropriate disposal / recycling centers.

- f. Furthermore, observing the current pace of project progress, the Coimbatore City Municipal Corporation (CCMC) has issued **formal notices to the contractor**, instructing them to **deploy additional equipment** to expedite the bio-mining process, in line with the directions issued by the Hon'ble Tribunal. A copy of the notice is enclosed herewith as **Annexure III** for the kind perusal of the Hon'ble Tribunal.
- g. As part of **Phase II** of the bio-mining initiative, the Corporation has taken **measurable and proactive steps to accelerate the scientific processing** of legacy waste and ensure that the project adheres to the stipulated timelines and

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

environmental compliance standards.

**8. Clarification on Interpreted Decline in Segregation Percentage with Reference to Tribunal Observations:**

- a. The respondent, Coimbatore City Municipal Corporation (CCMC), humbly refers to paragraphs 8 and 9 of the Hon'ble Tribunal's order dated 23.06.2025, which noted: "We are surprised to note that the segregation percentage from November 2023 till May 2025 has drastically reduced from 36% to 15%."
- b. The Corporation respectfully clarifies that the referenced data was inadvertently misstated in a prior submission. The noted decline pertains to the percentage of open dumping, not the segregation percentage. Specifically, open dumping within CCMC's jurisdiction has significantly decreased from 36% in November 2023 to 10.4% in July 2025, reflecting substantial progress in adopting scientific and environmentally sound waste management practices.
- c. Furthermore, the proportion of waste subjected to scientific processing has increased markedly from 64% in November 2023 to 89.6% in July 2025. This improvement underscores enhanced processing efficiency, optimal utilization of existing infrastructure, and the Corporation's commitment to sustainable waste management.
- d. This progress has been made possible through **continuous monitoring, increased deployment of technical and human resources**, and the implementation of **systematic waste handling protocols** as part of the Corporation's broader compliance framework.
- e. Detailed data and analytical findings regarding the reduction in open dumping and improvement in processing efficiency are enclosed herewith as **Annexure IV (Open Dumping and Waste Processing Report)**, which provides **quantitative evidence** of CCMC's sustained efforts to align with the **Solid Waste Management Rules, 2016** and the directions of this Hon'ble Tribunal.

**9. Status and Proposal for Increasing Bio-Mining Output within Contractual Limits:**

- a. The Respondent Corporation has thoroughly evaluated the proposal to increase the processing capacity of legacy waste at the Vellalore Dump Yard to 10,000 tonnes per day (TPD) and scale up operations. A detailed technical and operational feasibility assessment was conducted to determine the viability of this enhancement. The analysis reveals that processing 10,000 TPD would generate approximately 1,500 TPD of Refuse-Derived Fuel (RDF), posing significant logistical challenges, particularly in end-use disposal.

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

- b. The primary consumers of RDF, cement factories, have limited intake capacities due to pre-existing stockpiles, creating a bottleneck in the disposal chain. The inability to ensure continuous RDF off-take would require temporary on-site storage, which raises serious operational and environmental concerns. With the impending monsoon season, RDF's susceptibility to moisture could lead to quality degradation, rendering it non-compliant with cement industry standards for co-processing.
- c. Such deterioration would hinder timely RDF disposal, potentially causing stockpiling, space constraints, and risks of fire and leachate, all of which would impose additional environmental and logistical burdens at the bio-mining site. Therefore, a balanced and phased approach to capacity enhancement is critical, one that aligns with the available RDF disposal infrastructure and the absorptive capacity of end-use industries to ensure operational sustainability and environmental compliance.
- d. The work for Phase II has already been awarded to M/s. DJG Energy Solutions Pvt. Ltd., under a clearly defined scope, approved methodology, and tender agreement terms. Introducing high-capacity equipment, such as Power Screen Warrior machines or additional trommels, would conflict with existing contractual obligations and lead to significant cost escalations and increased power consumption, neither of which are provisioned within the current project framework. Such changes require careful evaluation of their legal, financial, and operational implications, making the proposed 10,000 TPD enhancement currently unfeasible.
- e. To address these challenges while advancing the project, the Corporation is exploring alternative strategies within the existing approved methodology. The Project Management Consultancy (PMC), the Centre for Environmental Studies (CES) at Anna University, has provided technical recommendations on trommel and Power Screen Warrior machine deployment, with detailed responses from both the Contractor and CES PMC enclosed as **Annexure V**. Additionally, the Corporation has directed M/s. DJG Energy Solutions Pvt. Ltd. to deploy one additional trommel machine and extend operational hours at the Vellalore Compost Yard, projecting an increase in daily processing capacity by 300–400 metric tonnes and a potential reduction of the project timeline by 3 to 4 months from the original 24-month period, ensuring progress while maintaining environmental and contractual compliance.
- f. It is respectfully submitted that the additional trommel machine, deployed as part of

the operational augmentation, is currently undergoing repairs due to a mechanical breakdown. In adherence to the Corporation's instructions, the contractor has taken prompt action by ordering all necessary spare parts. The repair and recommissioning of the trommel are expected to be completed within a period of one month.

**Existing Operational Setup:**

Item	Description
Shift Pattern	2 Shifts per day
Shift Duration	8 hours per shift
Total Operational Hours per Day	16 hours
Number of Trommels in Operation	3
Processing Capacity per Trommel per Hour	90 – 93.75 MT
Processing Capacity per Trommel per Day	Around 500 MT
Total Processing Capacity of 3 Trommels	Around 1500MT
Actual Processing Weight Per Day	1000-1100MT

- g. The Corporation reiterates its unwavering commitment to maintaining **transparency, operational efficiency, and strict environmental compliance** throughout the duration of the project. Robust **monitoring mechanisms** have been instituted to ensure continuous oversight. Furthermore, the Corporation remains proactive in exploring **feasible enhancements** within the existing contractual framework to achieve project milestones in a **timely and effective manner**.

**10. Afforestation and Green Belt Development at Vellalore –Status and Documentation:**

- a. The Respondent Corporation respectfully submits a comprehensive Tree Plantation Report, attached as **Annexure VI (Tree Plantation Report)**. This report details the afforestation and greening initiatives undertaken by the Coimbatore City Municipal Corporation (CCMC) at the reclaimed Vellalore Compost Yard and its adjoining areas, as part of a broader ecological restoration strategy.
- b. The plantation initiative involves planting 35,000 native saplings across 46 acres of reclaimed land, with an average density of approximately 760 saplings per acre to maximize ecological benefits. The selected species, including Neem, Marutham, Vagai, Kurinji, Pungai, Amla, Indian Tulip Tree, Chinese Parasol, Arasamaram, Nagamaram, and Peepal, are native and climate-resilient, chosen for their ecological, medicinal, and environmental benefits. These species contribute to biodiversity

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

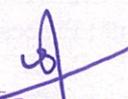
restoration, air quality improvement, carbon sequestration, and soil stabilization, ensuring long-term environmental sustainability.

- c. The Corporation has adopted a multi-pronged afforestation strategy, incorporating the Miyawaki method in targeted zones to create dense, fast-growing native forests that promote rapid growth and self-sustaining ecosystems within 2–3 years. Conventional planting methods complement this approach in larger areas for scalability. Local communities, schools, and environmental NGOs have been engaged in planting drives to foster awareness and stewardship. A dedicated team monitors sapling survival rates, targeting a minimum 85% survival rate, with periodic audits to ensure compliance with ecological standards.
- d. To support the plantation, a state-of-the-art drip irrigation system utilizing treated water from the Ukkadam Sewage Treatment Plant (STP) ensures efficient water delivery. During dry periods, CCMC deploys water tankers to supplement irrigation. Soil fertility is enhanced with organic compost and bio-fertilizers produced at the Vellalore Compost Yard. Tree guards protect saplings from grazing animals and environmental damage, while plans for green belt expansion to an additional 10 acres and potential carbon credit certification are underway.
- e. The **Tree Plantation Report (Annexure VI)** provides detailed documentation, including land area, zoning, species-wise plantation data, irrigation and maintenance schedules, photographic evidence, survival rate statistics, and challenges encountered. This report is publicly accessible and shared with stakeholders to ensure transparency, reflecting CCMC's commitment to creating a resilient green ecosystem for future generations.
- f. The report also includes:
  - **Geographical mapping and GPS tagging** of plantation zones
  - **Photographic documentation** of plantation stages and field-level implementation
  - A **detailed list of species planted**, categorized by number and planting location
  - Description of **ongoing maintenance protocols**, such as mulching, pest control, weeding, and survival rate tracking
  - **Community participation** models in collaboration with Siruthuli, Akhil Tex Trust – NGO's, including awareness campaigns and volunteer mobilization
- g. Further, the afforestation project demonstrates significant **environmental and social impacts**, including the creation of a green buffer to mitigate odours and

- airborne pollutants,
- h. Improvement in site aesthetics, air purification, and revival of native biodiversity. The initiative has also fostered a sense of civic responsibility through community-driven participation and school outreach programs.
- i. This plantation effort stands as a replicable model of environmentally responsible urban waste site transformation and reaffirms the Corporation's sustained commitment to fulfilling the Tribunal's directives through science-based ecological interventions and inclusive green governance.
- j. The Corporation respectfully submits that the plantation activities at the Vellalore Compost Yard have been strategically planned and implemented across various reclaimed zones, in collaboration with multiple stakeholders. The following details illustrate the current plantation efforts and future land utilization proposals:
- As part of Phase I legacy waste clearance, approximately **54 acres of land** have been successfully reclaimed.
  - From this reclaimed area **15 acres** have been allocated for the **Bio-CNG plant**, **25 acres** have been earmarked for the proposed **Waste-to-Energy (WTE) plant**, aligning with the Corporation's long-term sustainable waste management goals.
  - The **remaining land**, covering approximately **14 acres**, is being actively utilized for **tree plantation initiatives**, contributing to ecological restoration and green buffer creation.

S.No	Implementing Agency	Number of Saplings	Planted Area Covered
1.	Coimbatore Corporation	10,500	7 acres
2.	Coimbatore Corporation + Concessionaire - CIWMCPL	1,500	9 acres
3.	Concessionaire - CIWMCPL	9,500	12 acres
4.	NGO's	13,500	18 acres
	<b>TOTAL</b>	<b>35,000 Saplings</b>	<b>46 Acres</b>

- k. These plantation efforts are designed not only to enhance green cover but also to prevent future dumping in reclaimed areas, control odour and dust, improve biodiversity and fulfil environmental compliance as per the directives of the Hon'ble Tribunal.

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

**11. Updated Operational Plan and Target Timeline for Completion of Bio-Mining Activities:**

- a. It is most respectfully submitted by the Respondent Corporation that, in compliance with Paragraph 13 of the Hon'ble Tribunal's order dated 23.06.2025, a committee meeting was convened by the Committee Chairman, Dr. D. Karthikeyan, IAS (Principal Secretary to Government, Municipal Administration and Water Supply Department), on 29.07.2025 at 12:30 PM. The letter issued by the Municipal Administration and Water Supply Department, Secretariat, convening the meeting, is enclosed herewith as **Annexure VII**.
- b. During the meeting, the Coimbatore City Municipal Corporation and the District Collector of Coimbatore presented a detailed status update of the project, including a paragraph-wise explanation of the Tribunal's order dated 23.06.2025, the hindrances encountered in implementing the complete legacy waste clearance by the end of the year, the study and recommendations of the Centre for Environmental Studies (CES), Anna University (Project Management Consultant), and a draft revised action plan.
- c. A copy of the meeting presentation is enclosed herewith as **Annexure VIII** for the kind perusal of the Hon'ble Tribunal.
- d. Further, the Committee Chairman directed the concerned officials to immediately evaluate the requirements for Refuse-Derived Fuel (RDF) material at cement factories and assured to coordinate with the respective departments to explore possibilities to mitigate this critical challenge.
- e. The draft action plan proposes an **increase in daily operational hours** along with the deployment of an **additional trommel machine** to enhance the legacy waste processing capacity at the Vellalore Compost Yard. This approach is designed to accelerate the ongoing bio-mining operations while remaining within the framework of the existing contract and utilizing available resources efficiently.

**Details of Proposed Operational Enhancements - Action Plan**

Parameters	Details
Number of Additional Trommel Proposed	1 Number
Proposed Shift Duration	10 hours per shift
Total Operational Hours per Day	20 hours (2 shifts)
Total Processing Capacity per Day	1,800 MT (All 4 Nos Trommels)
Total Processing Capacity per Month	46,800 MT (26 working days)

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

- f. Based on the aforementioned proposal, the detailed action plan was submitted during the Committee meeting held on 29.07.2025. The Respondent Corporation respectfully requested the Committee to review the plan and provide guidance on proceeding with the proposed operational enhancements. The minutes of the Committee meeting, as recorded by the Coimbatore City Municipal Corporation (CCMC), are enclosed herewith as **Annexure IX** for the kind consideration of this Hon'ble Tribunal.

Total Tender Legacy Waste Quantity (MT)		7,94,139.00
Processed Quantity (MT) Up to 31.07.2025		97,077.52
Balance Quantity (in MT)		6,97,061.49
S.No	Month	Legacy Waste Qty (in MT)
1	Aug-25	46,800.00
2	Sep-25	46,800.00
3	Oct-25	46,800.00
4	Nov-25	46,800.00
5	Dec-25	46,800.00
6	Jan-26	46,800.00
7	Feb-26	46,800.00
8	Mar-26	46,800.00
9	Apr-26	46,800.00
10	May-26	46,800.00
11	Jun-26	46,800.00
12	Jul-26	46,800.00
13	Aug-26	46,800.00
14	Sep-26	46,800.00
15	Oct-26	41,861.49
<b>Total</b>		<b>6,97,061.49</b>

- g. Taking into consideration the current progress, equipment mobilization status, and updated site conditions, the Corporation has proposed a revised target date for the completion of legacy waste clearance as 31st October 2026. The detailed action plan

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

reflecting this timeline is enclosed herewith as **Annexure - X** for the kind perusal of this Hon'ble Tribunal.

12. The Corporation reaffirms its steadfast dedication to achieving complete clearance of legacy waste by meticulously implementing a comprehensive, phased, and time-bound action plan, as outlined in detail below. This commitment reflects our resolve to address environmental challenges, restore ecological balance, and ensure a cleaner and healthier future for our communities.

13. To achieve this ambitious goal, the Corporation is intensifying efforts to enhance operational efficiency and capacity. This includes the strategic deployment of skilled manpower, ensuring adequate staffing levels to meet project demands, and mobilizing state-of-the-art equipment to expedite waste clearance within the designated timelines. Regular monitoring and evaluation mechanisms have been established to track progress, identify bottlenecks, and implement corrective measures promptly, ensuring the action plan remains on course.

14. In parallel, the Corporation is prioritizing sustainable waste management practices to address both legacy and ongoing waste challenges. Robust initiatives are underway to promote source segregation, encouraging households, businesses, and institutions to separate recyclable, organic, and non-recyclable waste at the point of generation. This approach enhances the efficiency of waste processing and reduces the burden on disposal sites. Additionally, the Corporation is investing in advanced scientific processing techniques for fresh municipal solid waste, including composting, recycling, and waste-to-energy solutions, to minimize landfill dependency.

15. To prevent future waste accumulation at the Vellalore site, the Corporation is implementing long-term strategies, such as public awareness campaigns to foster responsible waste disposal habits and collaborations with local stakeholders to strengthen waste management infrastructure. Furthermore, we are exploring innovative technologies and partnerships to enhance waste processing capabilities and promote a circular economy. These efforts underscore our commitment to environmental sustainability, public health, and compliance with regulatory frameworks, ensuring that the Vellalore site and surrounding areas are transformed into models of effective waste management.

  
**COMMISSIONER**  
**COIMBATORE CORPORATION**

16. On August 4, 2025, the Standing Counsel for the Coimbatore Corporation, Mr. Najeeb Usman Khan, Advocate, conducted a comprehensive site visit to the Vellalore Dumping Yard, a key waste management facility in Coimbatore, Tamil Nadu. The visit aimed to assess the current state of operations, evaluate environmental and operational challenges, and propose actionable solutions to enhance the facility's efficiency and compliance with regulatory standards. The counsel was accompanied by senior officials from the Coimbatore Corporation, including representatives from the Solid Waste Management Department, environmental engineers, and administrative staff. Following the site visit, a detailed meeting was held with the Coimbatore Commissioner to discuss findings and provide recommendations. The site visit photographs are enclosed as in **Annexure - XI**

In light of the submissions made, it is respectfully requested that this Hon'ble Tribunal may be pleased to:

1. Accept and record the Additional Compliance Report and Detailed Action Plan submitted herein;
2. Allow the Respondent Corporation to execute the proposed measures as per the provided timelines;
3. Grant any additional time or directions as deemed necessary by this Hon'ble Tribunal in the interest of justice and environmental protection;
4. Issue orders as deemed appropriate to close or dispose of the present proceedings, considering the substantial compliance achieved and the comprehensive action plan proposed and thus render justice.

I do hereby verify that the contents of this affidavit, including the status report and action plan, are true and correct to the best of my knowledge and belief and nothing material has been concealed therefrom.

Date: 08.08.2025

Place: Coimbatore

  
**COMMISSIONER  
COIMBATORE CORPORATION**

Deponent



Counsel for the Respondent

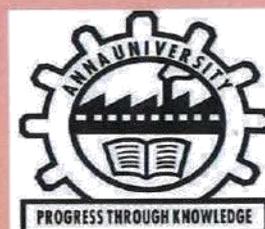
**ANNEXURE I****BIOMINING PHASE I****(COMPLETION REPORT CES, ANNA UNIVERSITY DATED 27.01.2025)**

# BIOMINING OF LEGACY WASTE DUMPED AT THE VELLALORE DUMPSITE OF COIMBATORE CORPORATION

## COMPLETION REPORT



Prepared by



Centre for Environmental Studies  
Department of Civil Engineering  
Anna University, Chennai - 600 025

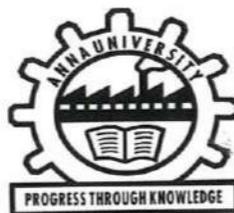
January 2025

# BIOMINING OF LEGACY WASTE DUMPED AT THE VELLALORE DUMPSITE OF COIMBATORE CORPORATION

## COMPLETION REPORT



Prepared by



Centre for Environmental Studies  
Department of Civil Engineering  
Anna University, Chennai - 600 025

January 2025

## TABLE OF CONTENTS

Section	Title	Page
1	INTRODUCTION	3
2	DESCRIPTION OF BIOMINING WORK	4
3	PROGRESS OF WORK	5
4	CONCLUSION AND RECOMMENDATION	34
	Annexure I	45-405

## LIST OF FIGURES

Fig No.	Title	Page
1	Aerial View of Vellalore Dumpsite before Biomining Operations	6
2	Process flow Diagram of Vellalore biomining facility of Coimbatore Corporation	7
3	Machineries installed at Vellalore biomining facility of Coimbatore Corporation	7
4	Volume measurements by CES team at Vellalore Dumpsite	9
5	CES team Prof. Dr. S. Karthikeyan inspection on 07.03.2024 at Vellalore Biomining facility	11
6	Coimbatore Vellalore dumpsite site inspection on 28 October 2023 by Hon. Mayor A. Kalpana Coimbatore City Municipal Corporation	12
7	Coimbatore Vellalore dumpsite site inspection on 18 November 2023 by Hon. Commissioner Corporation of Coimbatore., Tamil Nadu Govt	12
8	Coimbatore Vellalore dumpsite site inspection on 09 November 2023 by Hon. Karthikeyan Kathiresan, Director of Tamil Nadu Pollution Control Board	13
9	Recovered fractions from Coimbatore Biomining facility	29
10	Density measurement of RDF and coarse soil by CES team at Coimbatore Biomining facility	30
11	Ambient air quality monitoring at four locations in Vellalore Dumpsite	30
12	Inspection of Coarse soil disposal site by CES team on various date	31
13	Disposal of RDF from Vellalore biomining facility to Cements plant	32
14	RDF and Coarse Soil stored at site to be disposed as observed by CES team on 16 March 2024	32
15	Fire Fighters put off the fire at RDF stored at Vellalore Biomining facility on 04 March 2022, 24 February 2023 and 19 April 2023.	33
16	Cleared area in Part 1 to 35 of the site and Legacy waste yet to be processed at Vellalore Dumpsite from April 2021 to December 2024	38-43
17	Aerial view photograph of biomining plant area after complete disposal	44

## LIST OF TABLES

1	Summary of Volume Measurements at Coimbatore Dumpsite	10
2	Quantity of legacy waste inward (Tons) from 01 February 2021 to 13 March 2024 at Vellalore Dumpsite	14
3	Vehicle density of legacy waste based on inward data	16
4	Vehicle Density of legacy waste (disturbed) measured by CES team at Vellalore dumpsite	17-18
5	Consolidated dispatch details of the recovered materials disposed from 01 February 2021 to 08 December 2024	19-20
6	Volume details of the recovered fractions disposed from Vellalore Biomining Facility till 08 December 2024 based on disposal records	23
7	Density measurement by the CES Team at Coimbatore biomining facility	24-28
8	Details of progress of work at Vellalore biomining facility of Coimbatore Corporation	36

## **BIOMINING OF LEGACY WASTE DUMPED AT THE VELLALORE DUMPSITE OF COIMBATORE CORPORATION**

### **1.0 INTRODUCTION**

Coimbatore City Municipal Corporation is one among the major corporations in Tamilnadu spread over an area of 257.04 Sq.km. It has population of 12,51,237 as per Census India 2011 and generates about 1000 MT of solid waste per day. Biodegradable waste contributes to 60% of solid waste. Current population of 16,66,182 is distributed in 100 wards. Two old dumpsites at Ondipudur and Kavundampalayam has already been Bio-capped in the year 2008 under JNNURM scheme. Currently, the Solid waste collected by the Coimbatore City Municipal Corporation is dumped in Vellalore Dumpsite.

Coimbatore Corporation has engaged **M/s. DJG Energy Solutions, Ahmedabad (Consortium formed between M/s. AIE Group Limited, UK, M/s. DJG Energy Solutions, Ahmedabad and M/s. Shree Bommu Industries, Coimbatore)** as the Concessionaire as per the terms of the Work Order (**ROC .No. 8565/2015/(JN4) SCM1 dated 15.05.2020**) for the removal of **9,40,044 m<sup>3</sup>** of the legacy waste at Vellalore Dumpsite of Coimbatore Corporation through bio-mining process on Design, Build, Own and Operate (DBOO) basis at a contract price of **Rs. 60,01,24,090/- (Rupees Sixty Crore One Lakh Twenty-four thousand and ninety only)**.

As part of the initiatives to comply with the requirements of the Solid Waste Management Rules (2016), the Coimbatore Corporation prepared a proposal for removal of legacy wastes dumped in its Vellalore dumpsite under Smart Cities Mission Scheme and requested the Centre for Environmental Studies (CES), Anna University, Chennai for the evaluation of the project proposal. During the site inspection by the CES team for Evaluation of DPR on 04 December 2020 and 06 February 2021, it is observed that, the waste generated and collected in the city is about 1000 MT per day. Out of that, M/s. Coimbatore Integrated Waste Management Company Private Limited, Coimbatore is processing 450 MT daily in the existing compost plant at Vellalore dumpsite. M/s. Vardhaan Infrastructure, Coimbatore, processes 100 MT per day in the Vermicomposting plant at Vellalore dumpsite. Over and above these quantities, about 450 MT of solid waste collected is being dumped in the Vellalore dumpsite every day.

It was also observed that waste present approximately in one third of the total dumpsite area has been bio-capped. The areal extent and volume of legacy waste at Vellalore Compost yard dumpsite was surveyed by Coimbatore City Municipal Corporation engaging M/s. Gridline and Geospatial Private Limited, Chennai on 17 March 2021. The total volume at the Vellalore dumpsite is surveyed in 8 Parts. The garbage is spread over 73.31 acres (2,96,696 m<sup>2</sup>) with the total volume of legacy waste estimated as 10,51,897 m<sup>3</sup>. **Accordingly, the DPR Evaluation is done by CES, Anna University in March 2021 for a volume of 10,51,897 m<sup>3</sup>.**

Coimbatore Corporation engaged the Centre for Environmental Studies (CES), Anna University, Chennai as Project Management Consultant to assess the progress of work by periodic site visits, observations at the site and review of records. The CES team consisting of Dr. Kurian Joseph, Dr. S Karthikeyan and the Project associates periodically visited the site and the work progress was assessed. **Based on Progress of work till 08 December 2024, the work order quantity 9,40,044 m<sup>3</sup> has been processed and disposed from Vellalore biomining. The site inspection on 23 January 2025 by CES Team along with representatives from Coimbatore Corporation and Concessionaire indicated that the Biomining work has been completed for the work order quantity 9,40,044 m<sup>3</sup> at Vellalore dumpsite of Coimbatore Corporation. Accordingly, the project can be closed and Coimbatore Corporation shall issue the completion certificate to M/s DJG Energy Solutions, Ahmedabad. The details regarding the same are presented in this report.**

## **2.0 DESCRIPTION OF BIOMINING WORK**

The work agreed between **M/s. DJG Energy Solutions, Ahmedabad (Consortium formed between M/s. AIE Group Limited, UK, M/s. DJG Energy Solutions, Ahmedabad and M/s. Shree Bommu Industries, Coimbatore)** and **Coimbatore Corporation** involved survey of the dumped wastes to quantify the volume of wastes, excavation of the garbage dumped over these many years using suitable Mechanical excavators, control of mal odour, if any, with sanitizing inoculums, stabilizing the biodegradable wastes by insitu windrow composting and use of appropriate mechanical screens to sieve the excavated and processed materials into recoverable fractions such as recyclables (metal and glass), fine fraction (soil/compost), incinerable fractions (such as plastics, textile, tyre, rubber etc), inerts (stone, bricks, construction debris) and hazardous wastes (batteries, containers of toxic materials, tube lights etc) in the

assigned land areas so as to retrieve and recover materials by segregating, sorting, diverting for recycling the excavated materials and safe disposal of residues at approved disposal facilities. It also involved procuring the manpower for segregating process while the waste is excavated and screened through the conveyors, loading, unloading, supervision and monitoring the entire process, maintaining the records and protecting the work site from the vicinity of general public by providing temporary fencing and selling/disposing off all recovered materials and residues responsibly to the tune of 100% so as to achieve zero rejects dumped back at the site.

It is expected that at least 1500 cubic meter (approx..) of legacy waste has to be removed daily from the existing dump of solid waste, by installing the required excavators, trommel, hopper, shredder, and the conveyor belt to segregate the recoverable fractions such as recyclables (metal and glass), fine fraction (soil/compost), incinerable fractions (such as plastics, textile, tyre, rubber etc), inerts (stone, bricks, construction debris) and hazardous wastes (batteries, containers of toxic materials, tube lights etc). The recyclables are to be sold to authorized scrap dealers. The incinerables to be used as refuse derived fuel for co-processing in cement plants or thermal power plants having consent for the same from Pollution Control Boards. The hazardous wastes to be disposed at the nearby centralized hazardous waste treatment storage facility. The coarse inert fraction may be disposed by filling of low-lying areas, road or railway embankment. The fine fraction to be tested for compliance to compost standards and used as compost or soil cover for landfills.

### 3.0 PROGRESS OF WORK

The physical condition of the site at the time of the commencement of Biomining work is presented in Figure 1. **M/s. DJG Energy Solutions, Ahmedabad** proceeded with the activities of

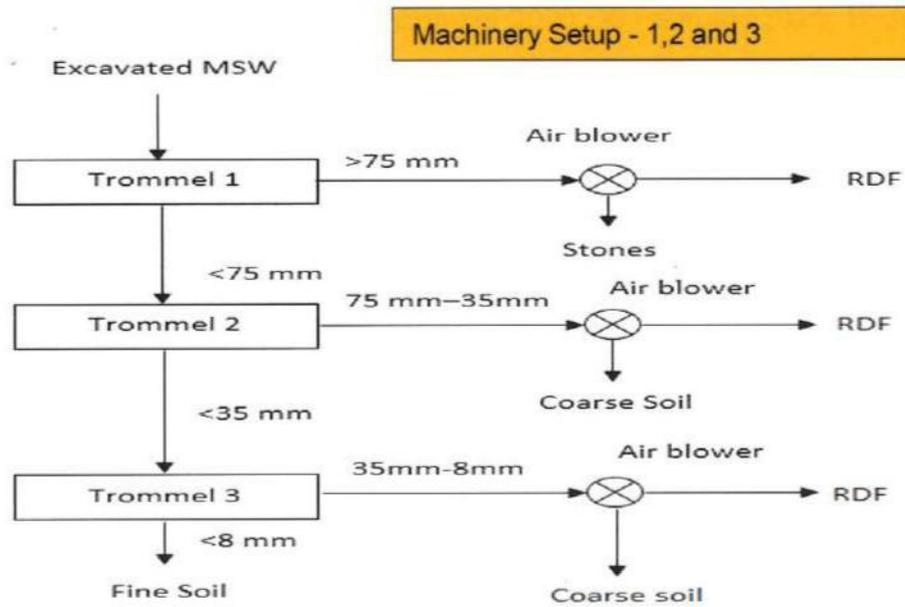
- Installation of trommels, balers, and conveyors with adequate capacity of motors and pulleys.
- Engaging chain dozer/ Excavator for loosening and excavating the legacy waste.
- Shifting and loading the excavated garbage into windrows for drying and waste stabilization.
- Processing the legacy to segregate the recyclable material and the enriched soil, debris like stone, and shredding the remaining matter mixed with plastic etc into RDF.

- Selling of recovered incinerable fraction as Refuse Derived Fuel (RDF) and fine fraction as compost (if it meets the compost standards as per SWM Rules, 2016).

**The Biomining operations started at the Vellalore dumpsite of Coimbatore Corporation from 01 February 2021.** Process flow diagram of the Vellalore Biomining Facility is depicted in Figure 2. The machineries installed at Vellalore Biomining Facility is presented in Figure 3. There are three streams of Biomining Machinery, each including three levels of screening: 75 mm Trommel, 35 mm Trommel, and 8 mm Trommel. The excavated materials are fed on to a conveyor. Coarse items such as stones are separated manually on the conveyor. The Trommel 1 (75 mm) separates the RDF fraction (>75 mm) with the help of air blower. The fractions lesser than 75 mm are passed on to the Trommel 2 (35 mm). The trommel 2 (35 mm) separates the RDF fraction (75 - 35 mm) with the help of air blower. The fractions lesser than 35 mm is passed on to Trommel 3. The Trommel 3 (8 mm) separates the coarse soil/rejects (35 mm - 8 mm) and fine soil (<8 mm). The fine plastics mixed with the coarse soil is separated with the help of an air blower installed at the outflow of Trommel 3.



**Figure 1 Aerial View of the Vellalore Dumpsite Before the Commencement of Biomining Operations**



**Figure 2 Process flow diagram of Vellore Biomining Facility at Coimbatore**



**Figure 3 Machineries installed at Vellore Biomining Facility of Coimbatore Corporation**

The CES Team visited the site on 04 December 2020, 06 February 2021, 15 June 2021, 10 July 2021, 05 August 2021, 28 August 2021, 18 November 2021 to 20 November 2021, 18 December 2021, 12 March 2022, 21 April 2022, 26 May 2022, 27 May 2022, 07 Oct 2022, 10 Feb 2023, 21 March 2023, 25 September 2023, 07 March 2024 and 10 December 2024 to measure the volume of legacy waste for processing and to assess the progress of the Biomining operations. **Mr.Thangaraja R, was appointed as Project Associate of PMC on 16 May 2022 and till the project completion continued the duty to monitor the day to day progress in Biomining work at Vellalore dumpsite.**

The Work Order quantity (9,40,044 m<sup>3</sup>) at Vellalore Dumpsite was physically demarcated out of the total DPR quantity (10,51,897 m<sup>3</sup>) and the remaining quantity was left untouched. To initiate the biomining process, CES team with Coimbatore Corporation and M/s. DJG Energy Solutions physically measured the heaps of legacy waste in Part I to Part IV of initial DPR survey for a volume of 97799 m<sup>3</sup>. Table 1 presents the summary of volume measurements of legacy waste at Vellalore Biomining Facility of Coimbatore Corporation. The photographs of the heap measurements are presented in Figure 4.

The physically measured waste volume was reconciled by resurveying the cleared area, by engaging M/s Gridline surveys and Geospatial Pvt Ltd, Chennai on 18.12.2021 and found to be 94873 m<sup>3</sup>. The marginal difference (~3%) between the physical insitu volume measurement and unmanned aerial survey might be due to the bulking or loosening of waste while shaping the heaps for the physical volume measurement, which is negligible. Hence, the volume was measured physically in presence of all three stakeholders and agreed for 97,799 m<sup>3</sup> is considered for further calculations. However, it was decided that further volume measurement of legacy waste will be done only through surveying. Accordingly, a volume of 3,82,432.09 m<sup>3</sup> of waste was measured by M/s Gridline surveys and Geospatial Pvt Ltd, Chennai through survey on 18.12.2021 for further processing. Therefore, total volume of waste measured till December 2021 is 480231.09 m<sup>3</sup> (i.e 97,799 m<sup>3</sup> heap measurements + 3,82,432.09 m<sup>3</sup> drone measurements). An interim contour survey was conducted by Coimbatore city municipal corporation in the presence of CES team and contractor engaging M/s Gridline survey and geospatial ltd, Chennai on 07.10.2022. The cleared area was surveyed to ensure that if there is any legacy waste removed below the reference level of the survey which was carried out on 18.12.2021. The survey result indicated that 7,158.44 cum of legacy waste was cleared below the reference level of the survey which was carried out on

18.12.2021 and Accordingly the measured quantity was reconciled from 4,80,231.09 m<sup>3</sup> to 4,87,389.53 m<sup>3</sup>. The legacy waste remaining in the work order quantity was surveyed and it is found to be 450667.029 m<sup>3</sup> (29 no of heaps). The details regarding the volume of heap remaining in the work order quantity is presented in Table 1B. The difference between work order quantity (9,40,044 m<sup>3</sup>) and measured quantity as per heap measurement and interim contour survey (9,38,057 m<sup>3</sup>) is 0.20%. The meagre difference in volume maybe due to settlement of the legacy waste. Hence it is considered that the work order quantity (9,40,044 m<sup>3</sup>) is handed over to the concessionarie for Biomining process.

The quantity of waste processed per day is maintained and the same is attached in Annexure I. During the Progress report I (01 February 2021 to 10 March 2021), 6010 m<sup>3</sup> of legacy waste has been screened and disposed from Coimbatore Biomining Facility. The daily processed input legacy waste was maintained based on the volume of JCB buckets (disturbed form) fed in the hopper.

It was recommended by PMC to install a weighbridge to measure the input materials before processing and accordingly the input material (legacy waste) taken for processing is measured in terms of weight from 26 March 2021 to till date and the details regarding the same are presented in Annexure I. Table 2 presents the Quantity of legacy waste taken for processing in terms of weight on monthly basis from February 2021 to October 2023. Table 3 represents the vehicle density of legacy waste based on inward data. Table 4 represents the vehicle density of input legacy waste measured by the CES team at Vellalore Biomining facility. Table 5 presents the consolidated dispatch log of the recovered materials from Vellalore Biomining Facility during the period 01 February 2021 till 08 December 2024. Table 6 represents volume of recovered fraction based on disposal records and Table 7 represents the density of recovered fractions measured by the CES Team.

The Power consumption log of the Coimbatore Biomining Facility has not been maintained by the contractor during the period February 2021 to 10 March 2021 since the DG set was used for Biomining operations. Though the EB supply has been obtained from March 2021, the Power Consumption log has been maintained only from 14 June 2021.



Figure 4 Volume measurement of legacy waste at Coimbatore Corporation by the CES team

**Table 1A Summary of Physical Heap Measurements and drone survey measurement at Coimbatore Dumpsite**

S. No	Date of Measurement	Measured by	Volume measured in m <sup>3</sup>	Status
1	02.01.2021	Coimbatore Corporation	624	Completed
2	04.02.2021	Coimbatore Corporation	1126	Completed
3	06.02.2021	Dr.S.Karthikeyan Mr.M.I.Pavithran Mr.M.Vanchinathan	21696	Completed
4	15.06.2021	Ms. Priyanka kumar	13852	Completed
5	10.07.2021	Dr.S.Karthikeyan Mr.M.I.Pavithran Mr.M.Vanchinathan	22703	Completed
6	28.08.2021	Dr.Kurian Joseph Dr.S.Karthikeyan Mr.M.I.Pavithran Mr.M.Vanchinathan	37798	Completed
7	18.12.2021	M/s Gridline survey and geospatial Pvt Ltd	42821	Completed
8	18.12.2021	M/s Gridline survey and geospatial Pvt Ltd	99008.892	Completed
9	18.12.2021	M/s Gridline survey and geospatial Pvt Ltd	184909.721	Completed
10	18.12.2021	M/s Gridline survey and geospatial Pvt Ltd	20585.483	Completed
11	18.12.2021	M/s Gridline survey and geospatial Pvt Ltd	35106.716	Completed
<b>Total volume of legacy waste measured till March 2022: 4,80,231.09 m<sup>3</sup></b>				
<b>M/s Gridline survey and geospatial Pvt Ltd conducted a survey on 07.10.2022 and the reconciled volume is found to be: 4,87,389.53 m<sup>3</sup></b>				

**Table 1B Volume measurement using drone survey by M/s Gridline survey Pvt Ltd, Chennai**

S. No	Date of Measurement	Measured by	Volume measured in m <sup>3</sup>	Status
1	07.10.2022	M/s Gridline survey and geospatial Pvt Ltd	450667.029	Completed
<b>Total Volume of legacy waste measured at Coimbatore Biomining facility is 9,38,056.559 m<sup>3</sup> (4,87,389.53 m<sup>3</sup> + 450667.029 m<sup>3</sup>)</b>				



**Figure 5 CES team Prof. Dr. S. Karthikeyan inspection on 07.03.2024 at Vellore Biomining facility**



**Figure 6 Coimbatore Vellore dumpsite site inspection on 28 October 2023 by Hon. Mayor A. Kalpana Coimbatore City Municipal Corporation**

Hon. Sivaguru Prabakaran, IAS, Commissioner Corporation of Coimbatore, Tamil Nadu Govt inspected the Vellalore legacy waste processing facility on 18 November 2023.



Figure 7 Coimbatore Vellalore dumpsite site inspection on 18 November 2023 by Hon. Commissioner, Corporation of Coimbatore., TamilNadu Govt



Figure 8 Coimbatore Vellalore dumpsite site inspection on 09 November 2023 by Karthikeyan Kathiresan, Director of Tamilnadu Pollution Control Board

**Table 2 Quantity of legacy waste inward (Tons) from 01 February 2021 to 13 March 2024 at Vellalore Dumpsite**

Sl.No	Month	Tons Processed
1	01 February 2021 – 25 March 2021	Input processing log is maintained based on the volume of JCB buckets fed in the hopper. 7300 m <sup>3</sup> of waste processed is equivalent to <b>6103 tons</b> by considering a legacy density of 836kg/m <sup>3</sup>
2	26 March to 31 March 2021	987.285
3	Apr-21	3731.04
4	May-21	1939.86
5	Jun-21	10065.12
6	Jul-21	8103.535
7	Aug-21	17313.804
8	Sep-21	21804.031
9	Oct-21	19060.93
10	Nov-21	4697.995
11	Dec-21	18658.308
12	Jan-22	32377.6 (17298.46 +15079.14) (Missing trips)
13	Feb-22	21123.999 (20760.419+363.58) (Missing trips)
14	Mar-22	24321.084 (23720.894+600.19) (Missing trips)
15	Apr-22	28767.385 (28181.59 + 585.795) (Missing trips)
16	May-22	31958.94
17	June-22	30996.035
18	July-22	22803.875
19	Aug-22	18337.36
20	Sep-22	19031.285
21	Oct-22	12013.075
22	Nov-22	33143.925
23	Dec-22	51182.805
24	Jan-23	31475.014
25	Feb-23	29492.455
26	Mar-23	35908.13
27	Apr-23	25237.58
28	May-23	13047.078
29	June-23	40145.64
30	July-23	29505.39
31	Aug-23	16269.33
32	Sep-23	130.805
33	Oct-23	71.64
<b>TOTAL</b>		<b>659805</b>

It is observed that 659805 tons of legacy waste has been processed during the period 01 February 2021 to October 2023. It is also found that a total of 41325 trips has been taken to transport the legacy waste to the hopper bed out of which 975 trips is not weighed and recorded during the period 27 December 2021 to 16 March 2022. Average weight of the inward vehicle is used to calculate the quantity (tons) of legacy waste processed. It is mandatory to weigh each trip of legacy waste taken for processing and

provide the details of the same. A letter accounting the missing inward trips is presented in Annexure.

From Table 2, it is observed that, from 01 February 2021 to 25 March 2021, the input tonnage is not maintained and the quantity processed is maintained in terms of volume. By considering legacy waste density as  $836 \text{ kg/m}^3$ ,  $7300 \text{ m}^3$  of legacy waste processed during 01 February 2021 to 25 March 2021 is equivalent to 6103 tons (approx.) and 653702 tons of legacy waste is taken for processing from 26 March 2021 to October 2023. Thus, a total of 659805 tons of legacy waste is processed from 01 February 2021 to October 2023.

Based on the inward vehicle volume and average weight of each vehicle the weighted average inward density of legacy is found to be  $702 \text{ kg/m}^3$ . The weighted average density of legacy waste measured by the CES team at Vellalore bumsite is  $767 \text{ kg/m}^3$  which is in line with the inward log submitted by the concessionaire. Thus  $9,39,893 \text{ m}^3$  is processed by considering an inward density of legacy waste as  $702 \text{ kg/m}^3$  (as per the weight data). This is inline with the site condition. **Hence the volume of legacy waste processed is considered to be same as the work order quantity  $9,40,044 \text{ m}^3$ .**

Photographs of the segregated fractions observed during the site visits are presented in Figure 5. During the Period of 01 February 2021 to 25 March 2021, only representative weigh bridge bills are submitted for all the recovered fractions disposed. After installation of weighbridge, the weighment data for all the recovered fractions for each and every trip has been maintained and the same has been attached in the Annexure I.

**Table 3 Vehicle density of legacy waste based on inward data**

S. No	Vehicle number	Vehicle Volume ( $\text{m}^3$ )	Vehicle Dimension (m)	Avg Weight (Tons)	No of trips	Density ( $\text{kg/m}^3$ )
1	TN 28 AZ 4453	22.33	4.73*2.35*1.75	15.87	10135	714
2	TN 30 AC 4900	20.54	4.7*2.3*1.9	14.39	6392	701
3	TN 48 U 8112	23.37	5.1*2.35*1.95	16.34	12389	714
4	TN 47 AF 9015	21.77	4.75*2.35*1.95	13.81	3405	634
5	TN 19 F 3517	24.48	4.73*2.3*2.25	16.96	1586	693
6	TN 30 AU 3064	21.21	4.73*2.3*1.95	14.51	6525	702
7	TN 20 AP 2457	21.17	4.72*2.3*1.9	14.7	888	694
<b>Weighted Average density (<math>\text{kg/m}^3</math>)</b>						<b>702</b>

It is observed that 7,11,087 tons of legacy waste have been screened and disposed as fine soil, coarse soil, RDF, Glass, bottle and Tyres as summarized in Table 5. Since the data on recovered fraction disposed is maintained on tonnage basis, it was decided to

arrive at the volume weight relationship (density) by measuring the size of the Vehicle and the average weight of the fraction disposed in a vehicle. The weighted average density of fine soil (based on 186 trips) from the disposal records is found to be 954 kg/m<sup>3</sup>. The density of fine soil measured by the CES team based on four trials is found to be 1082 kg/m<sup>3</sup>. Thus 18752 tons of fine soil disposed is equivalent to a volume of 19656 m<sup>3</sup>, considering a weighted average density of 954 kg/m<sup>3</sup>. **The fine soil has been tested for the compost standards as per SWM Rules 2016 before utilization as compost and the test results indicate that the heavy metals are within the limit.** The fine soil is utilized as a compost by Mr. Vijayakumar, Thekkalur, Tiruppur, M/s Nila Blooms, Coimbatore and Coimbatore Corporation and the acknowledgement letter is attached in Annexure I. The photograph of density measurement of recovered fraction by CES team at Vellalore dumpsite is presented in Figure 10. **As recommended, the concessionaire has conducted Ambient quality monitoring at Vellalore dumpsite to check whether there is any impact in Ambient Air Quality due to Biomining of legacy waste. The test results indicate that the concentration of pollutants is within the permissible limits.**

It is observed that 5,53,142 tons of coarse soil is processed and dispatched from Vellalore biomining facility. A letter, acknowledging the receipt of 20,295 tonnes of recovered coarse soil for levelling cleared area in the Vellalore dumpsite has been provided by Mr. Rajesh Venugopal, Assistant Engineer, Coimbatore city Municipal Corporation. However, as per the clause 2 (6) of agreement between Coimbatore City Municipal Corporation and the concessionaire, the Corporation will not provide land for inert matter disposal to the contractor and under no circumstances will such inert matter be dumped/land filled inside the Vellalore dump yard. Therefore, it is requested that Coimbatore City Municipal Corporation shall provide a letter of amendment of the respective clause of agreement in order to recommend the payment for the quantity of coarse soil used for levelling the cleared area in Vellalore dumpsite. The weighted average density of coarse soil (based on 12987 trips) from the disposal records is found to be 873 kg/m<sup>3</sup>. The density of coarse soil measured by the CES team based on five trials is found to be 1007 kg/m<sup>3</sup>. Thus 5,53,142 tons of coarse soil disposed is equivalent to a volume of 6,33,610 m<sup>3</sup>, considering a weighted average density of 873 kg/m<sup>3</sup>.

Table 4 Vehicle Density of legacy waste (disturbed) measured by CES team at Vellalore dumpsite

S.NO	DATE	Vehicle No	Avg. Length (m)	Width (m)	Avg. Height (m)	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )
1	27-12-2021	TN 30 AU 3064	4.73	2.3	1.47	15.99	13755	860
2	30-12-2021	TN 48 U 8112	5.44	2.35	1.6	20.45	15535	759
3	30-12-2022	TN 48 U 8112	5.44	2.35	1.6	20.45	14345	701
4	06-01-2022	TN 28 AZ 4453	4.77	2.35	1.95	21.86	19055	872
5	06-01-2022	TN 28 AZ 4453	4.77	2.35	1.86	20.85	19095	916
6	06-01-2022	TN 28 AZ 4453	4.77	2.35	1.88	21.07	19195	911
7	06-01-2022	TN 30 AU 3064	4.73	2.3	1.65	17.95	16410	914
8	08-01-2022	TN 30 AU 3064	4.73	2.3	1.42	15.45	13930	902
9	20-01-2022	TN 28 AZ 4453	4.77	2.35	1.75	19.62	17870	911
10	20-01-2022	TN 28 AZ 4453	4.77	2.35	1.72	19.28	17805	923
11	20-01-2022	TN 28 AZ 4453	4.77	2.35	1.73	19.39	17565	906
12	20-01-2022	TN 28 AZ 4453	4.77	2.35	2.08	23.32	21294	913
13	22-01-2022	TN 28 AZ 4453	4.77	2.35	1.64	18.38	16850	917
14	22-01-2022	TN 28 AZ 4453	4.77	2.35	1.65	18.5	16930	915
15	22-01-2022	TN 48 U 8112	5.44	2.35	1.6	20.45	17030	833
16	22-01-2022	TN 48 U 8112	5.44	2.35	1.9	24.29	20550	846
17	27-01-2022	TN 48 U 8112	4.67	2.35	1.6	17.56	13490	768
18	29-01-2022	TN 28 AZ 4453	4.09	2.35	1.65	15.86	12465	786
19	29-01-2022	TN 48 U 8112	4.48	2.35	1.6	16.84	12225	726
20	03-02-2022	TN 28 AZ 4453	4	2.35	1.6	15.04	11205	745
21	16-02-2022	TN 48 U 8112	4.93	2.35	1.85	21.43	18125	846
22	16-02-2022	TN 48 U 8112	4.99	2.35	1.7	19.94	16540	830
23	16-02-2022	TN 28 AZ 4453	4.33	2.35	2.05	20.86	16230	778
24	07-03-2022	TN 48 U 8112	4.48	2.35	2.25	23.69	19000	802
25	11-03-2022	TN 30 AC 4900	4.3	2.3	1.95	19.29	16215	841
26	11-03-2022	TN 28 AZ 4453	4.77	2.35	1.9	21.3	15955	749
27	12-03-2022	TN 28 AZ 4453 <sup>3</sup>	4.77	2.35	1.875	21.15	13120	620
28	12-03-2022	TN 28 AZ 4453	4.77	2.35	1.875	21.15	13315	630
29	12-03-2022	TN 28 AZ 4453	4.77	2.35	2.25	25.38	16720	659
30	21-04-2022	TN 28 AZ 4453	4.77	2.35	2.5	28.02	18195	649
31	27-05-2022	TN 28 AZ 4453	4.77	2.35	1.9	21.3	13035	612
32	27-05-2022	TN 28 AZ 4453	4.77	2.35	1.9	21.3	11935	560
33	27-05-2022	TN 28 AZ 4453	4.77	2.35	1.9	21.3	11875	557
34	02-06-2022	TN 47 AF 9015	4.45	2.3	1.77	18.12	11575	639
35	13-06-2022	TN 47 AF 9015	4.75	2.3	2.1	22.94	15525	677
36	13-06-2022	TN 47 AF 9015	4.75	2.3	2.13	23.27	16930	728
37	18-06-2022	TN 30 AC 4900	4.7	2.35	1.8	19.88	13805	694
38	18-06-2022	TN 30 AC 4900	4.73	2.35	2.1	23.34	16280	698
39	18-06-2022	TN 30 AC 4900	4.71	2.35	1.9	21.03	14520	690
40	28-06-2022	TN 48 U 8112	4.9	2.3	2.475	27.89	18435	661
41	06-09-2022	TN 48 U 8112	4.9	2.3	1.73	19.5	13395	687
42	06-09-2022	TN 48 U 8112	4.9	2.3	1.71	19.27	13125	681
43	06-09-2022	TN 48 U 8112	5	2.3	1.75	20.13	13435	668
44	14-09-2022	TN 28 AZ 4453	4.7	2.35	1.71	18.88	14660	776
45	14-09-2022	TN 28 AZ 4453	4.71	2.35	1.72	19.03	15085	789
46	31-10-2022	TN 48 U 8112	5.55	2.3	1.8	21.65	17285	798
47	24-11-2022	TN 30 AC 4900	3.9	2.35	1.95	17.87	13775	771
48	24-11-2022	TN 30 AC 4900	3.95	2.35	1.85	17.17	12850	748
49	24-11-2022	TN 30 AU 3064	3.93	2.35	2	18.47	15540	841
50	24-11-2022	TN 30 AU 3064	3.92	2.35	1.95	17.96	12495	697
51	24-11-2022	TN 48 U 8112	4.32	2.3	2.1	20.87	17255	827
52	24-11-2022	TN 48 U 8112	4.37	2.3	2.2	22.11	16815	761

S.NO	DATE	Vehicle No	Avg. Length (m)	Width (m)	Avg. Height (m)	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )
53	02-06-2023	TN 48 U 8112	4.1	2.3	2.45	23.1	17035	737
54	02-06-2023	TN 48 U 8112	4.2	2.3	2.2	21.25	17285	813
55	02-06-2023	TN 30 AU 3064	3.83	2.35	2.1	18.9	16845	891
56	02-06-2023	TN 30 AU 3064	3.98	2.35	2.05	19.17	15920	830
57	26-07-2023	TN 48 U 8112	4.2	2.3	2	19.32	14430	747
58	26-07-2023	TN 48 U 8112	4.2	2.3	2	19.32	14780	765
59	26-07-2023	TN 48 U 8112	4.53	2.3	1.9	20.23	15005	771
60	26-07-2023	TN 30 AU 3064	4	2.35	1.95	18.33	12415	677
61	26-07-2023	TN 30 AU 3064	3.97	2.35	1.9	17.73	13280	749
62	26-07-2023	TN 30 AU 3064	4.05	2.35	1.9	18.03	14085	781
63	12-08-2023	TN 48 U 8112	4.37	2.3	1.85	18.59	14865	800
64	12-08-2023	TN 48 U 8112	4.47	2.3	1.8	18.91	14775	781
65	12-08-2023	TN 30 AU 3064	4.17	2.35	1.9	18.62	11755	635
66	12-08-2023	TN 30 AU 3064	4.07	2.35	1.85	17.69	12990	734
67	12-08-2023	TN 47 AF 9015	4.05	2.3	1.7	15.84	10590	666
<b>Weighted average density (kg/m<sup>3</sup>)</b>								<b>767</b>

During the site inspection on 28 August 2021 by CES team, it is proposed by the concessionaire to dispose the recovered inert and fine soil in the abandoned quarries at Madukkarai village. CES team inspected the quarry at Madukkarai on 28 August 2021 and it is concluded that the disposal of recovered fractions from Biomining in abandoned quarry is not recommended. It is clarified that the clause 4.3 of CPCB Guidelines for disposal of legacy wastes recommends the usage of bio-earth or earth finest fraction forrestoration of mining overburden areas, if any are nearby. It is requested to note that in mining, overburden is the material (soil or rock) that lies above the actual material (coal or mineral) to be mined out. CES team inspected Pattanam site on 21 December 2021 after the disposal of coarse soil at that location.

It is observed that Construction and demolition waste was fully covered over the coarse soil filled at Pattanam site. The bio earth recovered maybe used for revegetation as soil cover. The same has been communicated to The Commissioner, Coimbatore city Municipal Corporation vide letter no.0097/CES/DIR/Coimbatore city Municipal Corporation dated on 16.09.2021. The letter is attached in the Annexure I for reference. **Therefore, disposal of Bio earth and coarse fractions from Biomining operations in any such abandoned quarry is not recommended as they will leach out and affect the nearby soil and ground water environments in the long term and the same is not recommended as per CPCB guidelines.** The letter of acknowledgement for the disposal of coarse soil and stones is attached in Annexure I.

**Table 5 Consolidated dispatch details of the recovered materials disposed from 01 February 2021 to 08 December 2024**

S.No	Month	Quantity disposed (MT)					Total
		Fine soil	Coarse soil	RDF	Stone	Others (Wood, Glass, bottle, tyre, etc.)	
1	Feb-21	1666	3319	0	0	10.25	4995
2	Mar-21	452	373	16.06	0	1.37	842
3	May-21	29	0	0	0	2.88	32
4	Jun-21	118	0	0	0	9.5	128
5	Jul-21	173	76	12.8	0	62.61	324
6	Aug-21	192	1404.39	18.91	0	46.235	1662
7	Sep-21	254	17259.8	47.43	0	42.98	17604
8	Oct-21	470	12424.4	203.31	0	84.66	13182
9	Nov-21	300	11304.9	224.07	0	246.379	12075
10	Dec-21	320	8063.6	227.185	203.31	221.614	9036
11	Jan-22	53.95	12084.3	325.225	232.925	290.325	12987
12	Feb-22	48.095	12845.8	675.12	215.165	213.51	13998
13	Mar-22	194.358	33980.4	2526.528	77.495	234.595	37013
14	Apr-22	201.465	20947.1	4603.827	65.015	182.16	26000
15	May-22	595.495	25869.8	3790.54	186.385	309.395	30752
16	Jun-22	654.06	24071.2	2424.81	247.445	367.09	27765
17	Jul-22	349.32	15980.9	2898.545	128.445	230.235	19587
18	Aug-22	444.47	19954.5	2959.43	298.5	237.25	23894
19	Sep-22	520.61	29634.6	1285.56	285.505	382.98	32109
20	Oct-22	569.425	21222.758	2517.673	276.135	599.57	25186
21	Nov-22	1221.48	34483.905	1920.438	429.184	1321.165	39376
22	Dec-22	1417.245	42150.188	4323.565 (3562.565 + 761) Missing trips	805.32	769.19	49466
23	Jan-23	1325.365	30667.325	3497.679 (3042.679 + 455) Missing trips	369.065	429.375	36289
24	Feb-23	1183.115	26228.215	2448.33 (2098.33 + 350) Missing trips	951.715	888.23	31700
25	Mar-23	1003.34	25982.98 (19827.87+6155.04) Missing trips	4685.415 (3942.415 + 743) Missing trips	1081.36	443.93	33197
26	Apr-23	1130.46	26043.88 (25104.84+939.035) Missing trips	3820.045 (3010.045 + 810) Missing trips	534.405	371.935	31901
27	May-23	297.15	12311.125	4330.45 (3719.57+610.88) Missing trips	28.415	181.61	17149
28	Jun-23	506.845	27307.515	2798.165 (2172.915+625.25) Missing trips	37.2	322.97	30973
29	Jul-23	339.235	19124.05	2831.22 (2117.08+714.14) Missing trips	0	227.195	22522

S.No	Month	Quantity disposed (MT)					Total
		Fine soil	Coarse soil	RDF	Stone	Others (Wood, Glass, bottle, tyre, etc.)	
30	Aug-23	647.045	15553.65	2294.455 (1754.455+540) Missing trips	45.585	201.944	18743
31	Sep-23	864.935	10209.48	1544.235 (1054.235+490) Missing trips	73.53	217.375	12910
32	Oct-23	501.225	9816.995	1981.82 (1616.82 + 365) Missing trips	24.542	145.41	12470
33	Nov-23	229.055	478.155	3500.245	0	60.83	4268
34	Dec-23	431.885	345.85	5979.83	0	117.045	6875
35	Jan-24	40.105	101.91	9584.45	0	20.41	9747
36	Feb-24	8.72	0	1886.275 (1880.935+5.34) Missing trips	0	8.075	1903
37	Mar-24	0	0	860.03	0	0	453
38	Apr-24	0	0	5274.33	0	0	0
39	May-24	0	174.00	4506.48	0	0	0
40	Jun-24	0	265.86	3711.54	0	0	0
41	Jul-24	0	281.79	1340.36	0	0	0
42	Aug-24	0	341.30	3381.96	0	0	0
43	Sep-24	0	123.12	5433.20	0	0	0
44	Oct-24	0	91.40	4303.88	0	0	0
45	Nov-24	0	70.10	10148.51	0	0	0
46	Dec-24	0	172.14	1950.16	0	0	0
<b>Total</b>		<b>18752</b>	<b>553142</b>	<b>123094</b>	<b>6597</b>	<b>9502</b>	<b>711087</b>

It is found that 123094 tons of RDF is processed and recovered RDF is dispatched to M/s Gayathri power plant, Pollachi and M/s Chettinad cement, Karur, M/s Dalmia Cements, Ariyalur, M/s Ramco cements, Ariyalur, M/s Ultratech cement, TANCEM, Ariyalur, M/s Dalmia cements, Kadapa, M/s Orient, Gulbarga and M/s Chettinad cements, Keelapalur, Ariyalur. The recovered glass, bottles and Tyre has been disposed to local recyclers. The average density of RDF from the disposal records (based on 140 trips) is found to be 451 kg/m<sup>3</sup>. The average density of RDF measured by the CES team is found to be 582 kg/m<sup>3</sup>. It is observed that the RDF is segregated and packed in plastic gunny bag manually. Also, the RDF (75 mm to 35 mm) is segregated, shredded and disposed. Hence the density of RDF is varying. Thus 123094 tons of RDF disposed is equivalent to a volume of 272936 m<sup>3</sup>, considering a weighted average density of 451 kg/m<sup>3</sup>.

The receipt of acceptance from the M/s Chettinad cement plant, M/s Dalmia Cement, Ariyalur, M/s Ultratech cement, M/s Ramco Cement, Ariyalur and Dalmia cements,

Kadapa is attached in Annexure. The Photograph of the RDF disposal from Vellalore biomining facility is presented in Figure 13. Approximately 30000m<sup>3</sup> of RDF (greater than 35 mm) and 2000 m<sup>3</sup> of Coarse soil and 1000 m<sup>3</sup> of Others (Bio earth, Wood, Stones, Bottles, etc) fraction is recovered and stored at site as on March 2024 (Figure 14). The stored RDF and Inert have been disposed completely from the site. The cleared area of the storage site is presented in Figure 17. It is observed that on 04 March 2022, 24 February 2023 and 19 April 2023 there was fire at the RDF stored at site and the fire fighters were called and put off the fire is presented in Figure 15. There was no significant loss in the stored RDF as the fire was put off immediately. The photograph of the same is presented in Figure 15. It is observed that 9502 tons of Others (wood, glass, bottles, tyre) is disposed which is equivalent to a volume of 20478 m<sup>3</sup>, considering an average density 464 kg/m<sup>3</sup> and 6597 tons of Stone is disposed which is equivalent to a volume of 5762 m<sup>3</sup>, considering an average density 1145 kg/m<sup>3</sup>.

Based on the disposal records, 9,52,442 m<sup>3</sup> (19656 m<sup>3</sup> of fine soil + 633610 m<sup>3</sup> of Coarse soil + 272936 m<sup>3</sup> of RDF + 5762 m<sup>3</sup> of Stones + 20478 m<sup>3</sup> of Others (Wood & Glass & Bottles & Tyre) has been processed and disposed from Vellalore biomining facility till 08 December 2024. However, the total legacy waste demarcated and handed over for Biomining process is same as the work order quantity (9,40,044 m<sup>3</sup>). The difference between the Processed quantity (9,40,044 m<sup>3</sup>) and the disposal quantity (9,52,442 m<sup>3</sup>) maybe due to the variation in the density of the recovered fractions and it is considered that the total work order quantity (9,40,044 m<sup>3</sup>) is completely processed and disposed. The site inspection on 10 December 2024 by CES Team along with representatives from Coimbatore Corporation and Concessionaire indicated that the Biomining work has been completed for the work order quantity (9,40,044 m<sup>3</sup>) at Vellalore dumpsite of Coimbatore Corporation. It is recommended that the payment can be released for 34,913 m<sup>3</sup>. Figure 16 represents the cleared area by Biomining at the Vellalore dumpsite during April 2021, August 2021, December 2021, March 2022, May 2022, August 2022, October 2022, December 2022, February 2023, April 2023, May 2023, July 2023, October 2023 and December 2024.

Table 8: Volume details of the recovered fraction disposed from Vellore dumpsite till 08 December 2024 based on disposal records

Fraction	Vehicle no	No of trips	Avg tons dispatched by the vehicle	Vehicle Dimensions	Volume of the Vehicle	Density (kg/m <sup>3</sup> )	Tonnage dispatched (MT)	Equivalent volume (m <sup>3</sup> )
Fine Soil	TN63AC5469	41	16.2	4.41*2.25*1.6	15.88	1020	18752	19656
	TN 20 BK 5069	77	13.26	5.35*2.35*1.25	15.72	844		
	TN 28 R 8588	31	17.33	5.4*2.35*1.3	16.50	1050		
	TN 43 C 7597	37	15.95	5.35*2.35*1.23	15.46	1031		
	<b>Total</b>	<b>186</b>		<b>Weighted Average density</b>	<b>18.65</b>	<b>954</b>		
	TN56K0056	439	15.68	4.41*2.35*1.8	18.65	841		
	TN 48 U 8112	2280	19.15	5.44*2.35*1.8	23.01	832		
	TN 69 BF 4431	2843	20.73	5.1*2.35*2.1	25.17	824		
	TN 69 BF 4971	3013	19.91	4.6*2.35*2.1	22.70	877		
	TN 18 BJ 6040	3812	19.99	4.6*2.3*2	21.16	945		
TN 99 J 4128	600	20.34	4.72*2.35*2	22.18	917			
<b>Total</b>	<b>12987</b>		<b>Weighted Average density</b>	<b>21.57</b>	<b>873</b>			
RDF	TN 01 AA 9438	5	8.035	6.7*2.3*1.4	21.57	372	123094	272936
	TN 57 BT 8157	11	11.24	8.4*2.35*1.4	27.64	407		
	TN 57 BT 8186	9	10.62	8.5*2.35*1.45	28.96	367		
	TN 57 BT 8176	12	9.76	8.5*2.35*1.45	28.96	337		
	KA 01 AB 4291	15	7.56	7.5*2.35*1.4	24.68	306		
	TN 88 D 5131	34	32.24	9.55*2.55*3.25	79.15	407		
	TN 47 BA 9985	12	27.94	8.7*2.45*2.4	51.16	546		
	KA 01 AJ 9396	42	27.77	8.3*2.35*2.45	47.79	581		
	<b>Total</b>	<b>140</b>		<b>Weighted average density</b>	<b>47.79</b>	<b>451</b>		
	TN 28 AZ4453	71	10.19	4.8*2.35*1.75	19.74	516		
TN 48 U 8112	56	10.71	5.4*2.35*1.65	20.94	511			
TN 47 AF 9015	78	11	5.2*2.35*1.75	21.39	514			
TN 37 BK 0626	110	4.51	4.45*2.03*1.35	12.20	370			
<b>Total</b>	<b>315</b>		<b>Weighted average density</b>	<b>12.20</b>	<b>464</b>			
TN 30 AU 3064	53	16.76	4.5*2.3*1.3	13.46	1246			
TN 47 AF 9015	94	16.06	4.75*2.3*1.35	14.75	1089			
<b>Total</b>	<b>147</b>		<b>Weighted average density</b>	<b>14.75</b>	<b>1145</b>			
Stone							6597	5762
							<b>711087</b>	<b>952442</b>

Table 7 Density measurement of the recovered fractions done by CES Team

Date	Item name	Vehicle number	Vehicle dimensions	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )	Average Density (kg/m <sup>3</sup> )	
06.02.2021	Fine soil	TN 37 BQ 3741	4.45*2.28*1.1	11.16	12395	1111	1082	
15.06.2021		TN 28 S 6384	5.3*2.33*1.35	16.67	17225	1033		
10.07.2021		TN 47 AF 9015	4.87*2.30*1.30	14.56	18860	1295		
20.12.2021		TN 43 D 5100	5.33*2.35*1.5	18.78	19045	1014		
04.07.2022		TN 57 E 1159	5.67*2.35*0.9	11.99	12980	1083		
07.07.2022		TN 28 R 8588	5.4*2.35*1.1	13.96	15135	1084		
30.08.2022		TN 20 BK 5069	5.35*2.35*0.95	11.94	11760	985		
30.08.2022		TN 43 C 7597	5.35*2.35*0.9	11.32	11500	1016		
20.09.2022		TN 28 BZ 8237	6.65*2.35*1.15	17.97	19200	1068		
23.09.2022		TAK 7544	5.35*2.35*1.1	13.83	15090	1091		
06.04.2023		TN 39 AP 2575	5.45*2.25*1.1	13.49	15165	1124		
19.12.2023		TN 18 BJ 6040	4.65*2.4*1.45	16.18	17395	1075		
06.02.2021		TN 37 BQ 3741	4.45*2.28*1.1	11.16	12290	1101		1007
10.07.2021		TN 48 U 8112	5.4*2.35*1.56	19.80	23600	1192		
27.05.2022		TN 28 AZ 4453	4.77*2.35*1.9	21.30	19815	930		
27.05.2022		TN 28 AZ 4453	4.77*2.35*1.9	21.30	22315	1048		
27.05.2022		TN 28 AZ 4453	4.77*2.35*1.9	21.30	18635	875		
11.06.2022		TN 69 AF 4431	4.72*2.35*2.3	25.51	20345	798		
11.06.2022		TN 69 AF 4431	4.72*2.35*2.3	25.51	18450	723		
11.06.2022		TN 69 AF 4431	4.72*2.35*2.3	25.51	20320	797		
02.08.2022		TN 69 AF 4431	4.71*2.35*1.8	19.92	20780	1043		
02.08.2022		TN 69 AF 4431	4.71*2.35*1.8	19.92	20070	1008		
02.08.2022		TN 69 AF 4431	4.71*2.35*1.8	19.92	20805	1044		
12.08.2022	TN 69 BF 4971	4.68*2.35*1.9	20.90	20515	982			
12.08.2022	TN 69 BF 4971	4.68*2.35*1.85	20.35	18585	913			
12.08.2022	TN 69 BF 4971	4.68*2.35*1.9	20.90	21650	1036			
29.08.2022	TN 69 BF 4971	4.7*2.3*2.1	22.70	20800	916			
02.11.2022	TN 18 BJ 6040	4.5*2.35*1.8	19.04	21450	1127			
02.11.2022	TN 18 BJ 6040	4.5*2.35*1.8	19.04	21120	1109			
02.11.2022	TN 18 BJ 6040	4.5*2.35*1.75	18.51	20905	1129			
14.11.2022	TN 18 BJ 6040	4.5*2.35*1.85	19.56	23990	1226			
14.11.2022	TN 18 BJ 6040	4.5*2.35*1.85	19.56	23830	1218			
14.11.2022	TN 18 BJ 6040	4.5*2.35*1.8	19.035	23100	1214			

Date	Item name	Vehicle number	Vehicle dimensions	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )	Average Density (kg/m <sup>3</sup> )
22.11.2022		TN 18 BJ 6040	4.5*2.35*1.8	19.035	22820	1199	
22.11.2022		TN 18 BJ 6040	4.5*2.35*1.8	19.035	22855	1201	
14.02.2023		TN 37 DP 6799	4.5*2.35*1.75	18.506	19315	1044	
14.02.2023		TN 37 DP 6799	4.5*2.35*1.65	17.449	14760	846	
25.02.2023		TN 18 BJ 6040	4.65*2.35*1.55	16.94	14930	881	
25.02.2023		TN 18 BJ 6040	4.65*2.35*1.65	18.03	19670	1091	
25.02.2023		TN 18 BJ 6040	4.65*2.35*1.6	17.48	18655	1067	
25.02.2023		TN 37 DP 6799	4.65*2.35*1.5	16.39	12940	790	
25.02.2023		TN 37 DP 6799	4.65*2.35*1.55	16.93	15405	910	
25.02.2023		TN 37 DP 6799	4.65*2.35*1.6	17.48	18240	1043	
25.02.2023		TN 37 DP 6799	4.65*2.35*1.6	17.48	17100	978	
13.04.2023		TN 37 DP 6799	4.5*2.35*1.72	18.19	16955	932	
13.04.2023		TN 37 DP 6799	4.5*2.35*1.72	18.19	16925	930	
13.04.2023		TN 37 DP 6799	4.5*2.35*1.72	18.19	16990	934	
13.04.2023		TN 18 BJ 6040	4.5*2.35*1.73	18.29	17075	934	
13.04.2023		TN 18 BJ 6040	4.5*2.35*1.72	18.19	16925	930	
13.04.2023		TN 18 BJ 6040	4.5*2.35*1.68	17.77	16535	931	
15.04.2023		TN 37 DP 6799	4.5*2.35*1.72	18.19	19790	1088	
15.04.2023		TN 37 DP 6799	4.5*2.35*1.72	18.19	19725	1084	
15.04.2023		TN 37 DP 6799	4.5*2.35*1.7	17.98	18735	1042	
15.04.2023		TN 18 BJ 6040	4.5*2.35*1.71	18.08	19250	1065	
15.04.2023		TN 18 BJ 6040	4.5*2.35*1.73	18.29	21260	1162	
15.04.2023		TN 18 BJ 6040	4.5*2.35*1.7	17.98	18645	1037	
17.04.2023		TN 18 BJ 6040	4.65*2.35*1.6	17.48	14655	838	
17.04.2023		TN 18 BJ 6040	4.65*2.35*1.7	18.58	20105	1082	
17.04.2023		TN 18 BJ 6040	4.65*2.35*1.65	18.03	17700	982	
10.07.2023		TN 36 DP 6799	4.5*2.35*1.6	16.92	19065	1127	
10.07.2023		TN 36 DP 6799	4.5*2.35*1.55	16.39	18550	1132	
10.07.2023		TN 36 DP 6799	4.5*2.35*1.55	16.39	18735	1143	
08.08.2023		TN 18 BJ 6040	4.5*2.35*1.85	19.56	19825	1014	
08.08.2023		TN 18 BJ 6040	4.5*2.35*1.75	18.51	15640	845	
08.08.2023		TN 18 BJ 6040	4.5*2.35*1.8	19.04	18680	981	
08.08.2023		TN 36 DP 6799	4.5*2.35*1.8	19.04	19050	1001	
08.08.2023		TN 36 DP 6799	4.5*2.35*1.75	18.51	17295	934	
08.08.2023		TN 36 DP 6799	4.5*2.35*1.75	18.51	17850	961	

Date	Item name	Vehicle number	Vehicle dimensions	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )	Average Density (kg/m <sup>3</sup> )
07.11.2023		TN 18 BJ 6040	4.5*2.35*1.7	17.98	17995	1001	
07.11.2023		TN 36 DP 6799	4.5*2.35*1.75	18.51	19150	1035	
12.12.2023		TN 47 AF 9015	3.43*2.35*1.45	11.69	11110	950	
12.12.2023		TN 47 AF 9015	3.3.*2.35*1.6	12.41	10650	858	
06.02.2021		TN 37 BQ 3741	4.45*2.28*1.1	11.16	3720	333	
19.11.2021		TN 01 AA 9434	6.8*2.40*1.81	29.53	11875	402	
20.12.2021		TN 57 BT 8134	8.4*2.35*1.45	28.62	11345	396	
28.05.2022		TN 28 BB 6732	8.2*2.75*3.3	74.41	41170	553	
28.05.2022		TN 28 AH 1741	8.2*2.75*3.3	74.41	39370	529	
28.05.2022		TN 48 AR 3945	9.1*2.5*2.9	66.10	32405	490	
01.06.2022		TN 39 CD 0167	8.5*2.3*2.8	54.74	27645	505	
06.06.2022		TN 88 D 5132	9.8*2.6*3.3	84.084	36440	433	
10.06.2022		TN 61 M 9717	7.2*2.4*2.475	42.768	19500	456	
14.06.2022		TN 52 B 9329	8.1*2.35*2.65	50.44	21120	419	
15.06.2022		TN 28 AH 1747	9.7*2.55*2.85	70.49	34580	491	
16.06.2022		TN 47 BU 3589	9.35*2.4*2.35	52.734	25465	483	
24.06.2022		TN 36 BV 4178	9.35*2.4*2.3	51.612	19735	382	
18.07.2022		TN 52 H 8878	8.2*2.35*2.8	53.96	24820	460	
18.07.2022		TN 52 B 9329	8.2*2.35*2.75	52.99	24260	458	
11.08.2022		TN 88 C 4027	9.2*2.5*2.95	67.85	37480	552	
11.08.2022		TN 88 D 5732	9.7*2.5*3	72.75	42710	587	
18.08.2022		TN 47 BU 3589	9.35*2.45*3.05	69.87	34800	498	
02.09.2022		TN 28 AK 6386	9.55*2.55*3	73.06	44710	612	
07.10.2022		TN 52 F 7432	9.1*2.35*2.1	44.91	26635	593	
04.11.2022		AP 39 UD 6393	8.5*2.35*2.75	54.93	32895	599	
27.02.2023		KA 01 AM 1182	8.5*2.35*2.55	50.94	19240	377	
15.03.2023		TN 28 BJ 3199	9.3*2.35*2.95	64.47	38060	590	
28.03.2023		TN 28 AQ 2410	8.5*2.35*3.45	68.91	32365	470	
30.03.2023		TN 88 J 7674	8.5*2.35*3.5	69.91	23610	338	
13.04.2023		TN 28 AM 4880	8.15*2.35*2.8	53.63	22705	423	
15.04.2023		TN 28 DP 6799	8.55*2.35*2.9	58.27	24390	419	
18.04.2023		KA 01 AM 1183	8.55*2.3*2.3	45.23	20820	460	
27.04.2023		TN 88 E 1473	9.1*2.5*3.1	70.53	37740	535	
28.04.2023		TN 48 V 7015	8*2.4*2.3	44.16	25670	581	
05.05.2023		TN 48 V 7015	8*2.4*2.3	44.16	26710	605	

562

RDF

Date	Item name	Vehicle number	Vehicle dimensions	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )	Average Density (kg/m <sup>3</sup> )
08.05.2023		TN 38 CS 6926	6*2.1*2.6	32.76	2360	72	
20.05.2023		TN 28 BB 9303	8.8*2.45*2.75	59.29	39870	672	
30.05.2023		TN 52 L 9788	9.05*2.35*2.6	55.3	22600	409	
09.06.2023		TN 28 AH 7399	9.7*2.45*2.7	64.17	37380	583	
21.06.2023		TN 52 P 7418	9.2*2.45*2.8	63.11	39050	619	
06.07.2023		TN 48 AR 4852	8.1*2.35*2.3	43.78	24535	560	
31.07.2023		TN 28 AK 4797	9*2.45*3.3	72.77	40450	556	
21.08.2023		KA 01 AJ 9396	8.2*2.3*2.9	54.69	24645	451	
28.08.2023		TN 48 AX 4330	8.1*2.3*2.75	51.23	22090	431	
04.09.2023		TN 52 B 9329	8*2.3*2.9	53.36	26905	504	
22.09.2023		TN 48 AX 4330	8.1*2.3*2.66	49.37	23700	480	
03.10.2023		TN 28 BA 1710	8.5*2.45*2.75	57.27	35340	617	
19.10.2023		TN 52 P 7418	9.2*2.45*3	67.62	42000	621	
26.10.2023		KA 01 AJ 9396	8.2*2.3*3.1	58.47	25255	432	
30.10.2023		TN 28 AE 5697	9.3*2.5*3.1	72.08	50400	699	
03.11.2023		TN 28 BB 6732	9.8*2.5*3	73.50	43900	597	
03.11.2023		TN 48 AR 4852	8.1*2.35*2.5	47.59	27090	569	
21.11.2023		TN 47 BA 9937	8.8*2.35*2.3	47.56	34415	724	
21.11.2023		TN 52 Q 3192	9*2.4*2.6	56.16	31760	566	
02.12.2023		TN 48 AX 9455	8.2*2.35*2.75	52.99	31320	591	
02.12.2023		TN 52 B 9329	8.2*2.35*2.45	47.21	25450	539	
02.12.2023		TN 52 AA 3346	9.25*2.35*2.35	51.08	30330	594	
12.12.2023		TN 28 BC 6114	7.85*2.45*2.85	54.81	39950	729	
13.12.2023		TN 28 BA 4548	8.45*2.45*2.4	49.69	37090	746	
15.12.2023		TN 52 F 3256	8.1*2.3*2.8	52.16	35340	678	
16.12.2023		TN 52 B 9329	8.1*2.35*2.4	45.68	28875	632	
19.12.2023		TN 47 BB 0257	8.5*2.35*2.4	47.94	36380	759	
21.12.2023		TN 47 BB 0641	9.05*2.35*2.05	43.60	25735	590	
22.12.2023		TN 52 AA 2620	9.3*2.4*2.6	58.03	31090	536	
22.12.2023		TN 52 Q 3138	9*2.4*2.25	48.6	30935	637	
23.12.2023		TN 47 BA 9937	8.8*2.35*2	41.36	28295	684	
23.12.2023		TN 47 BB 0868	8.8*2.35*1.95	40.33	25520	633	
26.12.2023		TN 47 BB 0376	9*2.35*1.75	37.01	22430	606	
27.12.2023		KA 01 AB 4226	8*2.3*2	37.6	31590	840	
28.12.2023		KA 52 A 9648	7.05*2.35*2.6	43.08	22680	528	

Date	Item name	Vehicle number	Vehicle dimensions	Volume (m <sup>3</sup> )	Net weight (kg)	Density (kg/m <sup>3</sup> )	Average Density (kg/m <sup>3</sup> )
30.12.2023		TN 47 BA 9985	8.7*2.3*2.3	47.02	23535	501	
03.01.2024		TN 47 BB 0868	8.85*2.35*1.7	35.36	27470	777	
05.01.2024		TN 52 AB 4075	9.3*2.4*2.6	58.03	33885	584	
06.01.2024		TN 48 AX 9455	8*2.35*2.4	45.12	29750	659	
10.01.2024		TN 47 BB 0176	8.3*2.35*2.1	40.96	30135	736	
10.01.2024		TN 47 BA 9943	8.8*2.35*2.2	45.50	31460	691	
10.01.2024		KA 01 AE 1789	8.05*2.4*2.3	44.44	39115	880	
12.01.2024		TN 88 D 5131	8.1*2.45*2.5	49.61	49940	1007	
13.01.2024		TN 52 AA 2620	9.2*2.35*2.55	56.33	30925	549	
20.01.2024		TN 52 AB 4089	9.3*2.4*2.2	49.10	30445	620	
22.01.2024		TN 52 P 5160	8.1*2.35*2	38.07	25485	669	
24.01.2024		TN 47 BB 0675	9.1*2.3*2.15	45	34130	758	
03.02.2024		KA 01 AJ 9396	8.2*2.35*2.4	46.25	29935	604	
05.02.2024		TN 28 AB 5837	9.2*2.45*2.65	59.73	29330	491	
16.02.2024		TN 25 BF 2803	9*2.4*2.8	60.48	29990	496	



Figure 9 Recovered fractions from Coimbatore Biomining facility

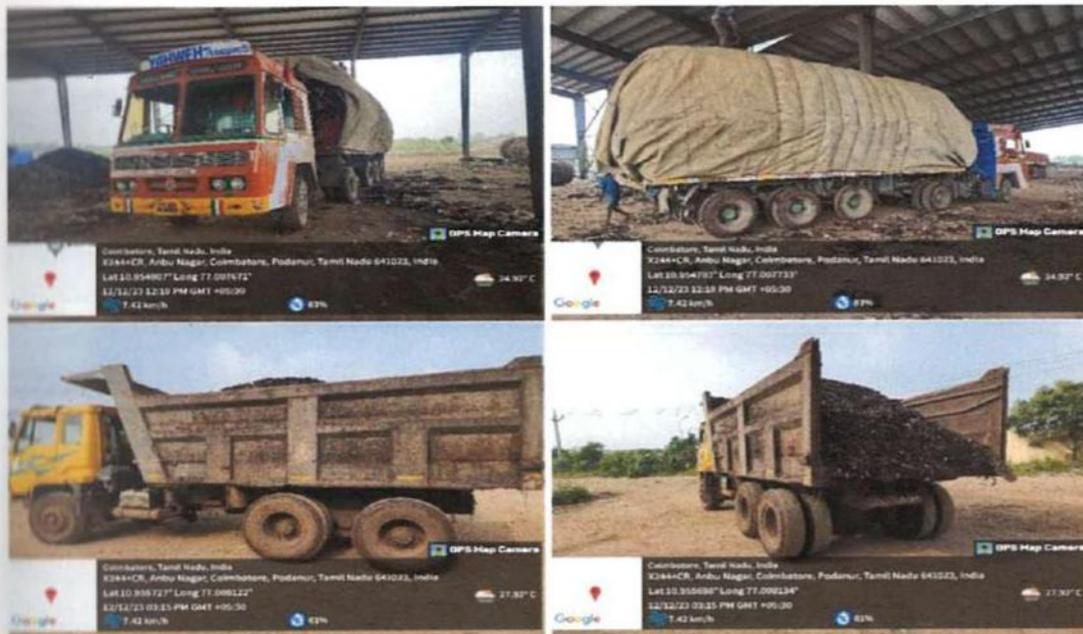


Figure 10 Density measurement of RDF and coarse soil by CES team at Coimbatore biomining facility



Figure 11 Ambient air quality monitoring at four locations in Vellore Dumpsite



Figure 12 Inspection of Coarse soil disposal site by CES team on various date



Figure 13 Disposal of RDF from Vellalore biomining facility to Cements plant



Figure 14 RDF and Coarse Soil stored at site to be disposed as observed by CES team on 16 March 2024



Figure 15 Fire Fighters put off the fire at RDF stored at Vellore Biomining facility on 04 March 2022 & 24 February 2023 and 19 April 2023

#### 4.0 CONCLUSION AND RECOMMENDATIONS

The Work order has been issued to M/s. DJG Energy Solutions, Ahmedabad (Consortium formed between M/s. AIE Group Limited, UK, M/s. DJG Energy Solutions, Ahmedabad and M/s. Shree Bommu Industries, Coimbatore) on May 2020 for the removal of 9,40,044 m<sup>3</sup> from the Vellalore dumpsite. The DPR Evaluation is done by CES, Anna University in March 2021 for a volume of 10,51,897 m<sup>3</sup>.

The Work Order quantity (9,40,044 m<sup>3</sup>) at Vellalore Dumpsite was physically demarcated out of the total DPR quantity (10,51,897 m<sup>3</sup>) and the remaining quantity was left untouched. To initiate the biomining process, CES team with Coimbatore Corporation and M/s. DJG Energy Solutions physically measured waste volume and the measured volume was reconciled by resurveying the cleared area, by engaging M/s Gridline surveys and Geospatial Pvt Ltd, Chennai on 18.12.2021 and found to be 94873 m<sup>3</sup>. The marginal difference (~3%) between the physical insitu volume measurement and unmanned aerial survey might be due to the bulking or loosening of waste while shaping the heaps for the physical volume measurement, which is negligible. Hence, the volume measured physically in presence of all three stakeholders and agreed for 97,799 m<sup>3</sup> is considered for further calculations. However, further volume measurement of legacy waste will be done only through surveying. Accordingly, a volume of 3,82,432.09 m<sup>3</sup> of waste was measured by M/s Gridline surveys and Geospatial Pvt Ltd, Chennai through survey on 18.12.2021 for further processing. Therefore, total volume of waste measured till May 2022 was 4,80,231.09 m<sup>3</sup> (i.e 97,799 m<sup>3</sup> heap measurements+ 3,82,432.09 m<sup>3</sup> drone measurements). Thus, total in-situ volume of legacy waste measured at Vellalore dumpsite for processing till May 2022 was 4,80,231.09 m<sup>3</sup>. Coimbatore Corporation has engaged M/s Gridline surveys and Geospatial Pvt Ltd and conducted an interim contour survey on 07 October 2022 to 10 October 2022 in the presence of CES team to quantify the legacy waste remaining in the DPR volume, quantity of waste processed and quantify the recovered fraction stored at site. Based on the contour survey it was observed that in Part 2 of the cleared area the contractor has excavated and processed the legacy waste below the initial reference level and accordingly the volume of legacy waste measured on 18.02.2021 was reconciled and the reconciled volume is found to be 4,87,389.53 m<sup>3</sup>. In addition, the remaining volume of legacy waste was surveyed by M/s Gridline surveys and Geospatial Pvt Ltd on 07 October 2022 to 10 October 2022 and the volume of legacy waste is found to be 4,50,667.029 m<sup>3</sup>. Thus, a total volume of 9,38,056.559 m<sup>3</sup> of legacy waste is quantified at Vellalore dumpsite for processing. The difference between work order

quantity (9,40,044 m<sup>3</sup>) and measured quantity as per heap measurement and interim contour survey (9,38,057 m<sup>3</sup>) is 0.20%. The meagre difference in volume maybe due to settlement of the legacy waste. Hence it is considered that the work order quantity (9,40,044 m<sup>3</sup>) is handed over to the concessionaire for Biomining process.

The demarcated work order quantity was taken for processing with the help of tippers. It is observed that a total of 41325 trips has been taken to transport the legacy waste to the hopper bed out of which 975 trips is not weighed and recorded during the period 27 December 2021 to 16 March 2022. A letter accounting the missing inward trips is presented in Annexure.

Based on the inward vehicle volume and average weight of each vehicle the weighted average inward density of legacy is found to be 702 kg/m<sup>3</sup>. The weighted average density of legacy waste measured by the CES team at Vellalore dumpsite is 767 kg/m<sup>3</sup> which is in line with the inward log submitted by the concessionaire. A total weight of 669805 tons of legacy waste has been taken for processing which is equivalent to a volume of 9,38,557 m<sup>3</sup> by considering an inward density of legacy waste as 702 kg/m<sup>3</sup>. This is inline with the site condition. Hence the volume of legacy waste processed is considered to be same as the work order quantity 9,40,044 m<sup>3</sup>.

Based on the disposal records, 9,52,442 m<sup>3</sup> (19656 m<sup>3</sup> of fine soil + 633610 m<sup>3</sup> of Coarse soil + 272936 m<sup>3</sup> of RDF + 5762 m<sup>3</sup> of Stones + 20478 m<sup>3</sup> of Others (Wood & Glass & Bottles & Tyre) has been processed and disposed from Vellalore biomining facility till 08 December 2024. However, the total legacy waste demarcated and handed over for Biomining process is same as the work order quantity (9,40,044 m<sup>3</sup>). The difference between the Processed quantity (9,40,044 m<sup>3</sup>) and the disposal quantity (9,52,442 m<sup>3</sup>) maybe due to the variation in the density of the recovered fractions and it is considered that the total work order quantity (9,40,044 m<sup>3</sup>) is completely processed and disposed. The site inspection on 23 January 2025 by CES Team along with representatives from Coimbatore Corporation and Concessionaire indicated that the Biomining work has been completed for the work order quantity (9,40,044 m<sup>3</sup>) at Vellalore dumpsite of Coimbatore Corporation. It is recommended that the payment can be released for 34,913 m<sup>3</sup> as mentioned in Table 8 and the project shall be closed.

Table 8 Details of progress of work at Vellalore Biomining facility of Coimbatore Corporation

Progress report	Period of the report	Cumulative Volume certified in m <sup>3</sup>
I	01 February 2021 - 10 March 2021	6,010
II	01 February 2021 - 31 August 2021	29,699
III	01 February 2021 - 25 December 2021	74,927
IV	01 February 2021 - 16 March 2022	1,53,624
V	01 February 2021 - 20 May 2022	2,72,405
VI	01 February 2021 - 31 July 2022	3,53,021
VII	01 February 2021 - 13 October 2022	4,28,722
VIII	01 February 2021 - 25 December 2022	5,44,273
IX	01 February 2021 - 28 February 2023	6,62,149
X	01 February 2021 - 30 April 2023	7,62,788
XI	01 February 2021 - 17 July 2023	8,40,552
XII	01 February 2021 - 26 October 2023	8,83,234
XIII	01 February 2021 - 13 March 2024	9,05,131
Completion	01 February 2021 - 08 December 2024	9,40,044
Disposal during the report period (14 March 2024 - 08 December 2024) and for which the payment to be released is 34,913 m <sup>3</sup>		

*Handwritten signature*  
22/01/25

*Handwritten signature*  
22/01/2025

**Dr. B. KARTHIKEYAN**

Professor

Centre for Environmental Studies  
Anna University, Chennai-25

**Dr. KURIAN JOSEPH**  
PROFESSOR OF ENVIRONMENTAL ENGINEERING  
CENTRE FOR ENVIRONMENTAL STUDIES  
ANNA UNIVERSITY, CHENNAI-600 025.

*Handwritten signature*  
27/01/2025  
**Dr. S. KANMANI, B.E., M.E., Ph.D.**  
PROFESSOR AND DIRECTOR  
CENTRE FOR ENVIRONMENTAL STUDIES  
ANNA UNIVERSITY, CHENNAI-600 025.













Figure 16 Cleared area in Part (1 to 35) of the site and Legacy waste yet to be processed at Vellalore Dumpsite from April 2021 to December 2024



**Figure 17 Aerial view photograph of Biomining plant area after complete disposal of recovered fractions**

## Annexure I

Table A-1 Details of Volume Measurements at Coimbatore dumpsite

Volume Measurements on 30.01.2021							
S.No	Shape Of the Heap	Length (m)		Width (m)		Height (m)	Volume (m <sup>3</sup> )
		Top	Bottom	Top	Bottom		
1	Cuboid	20.4	20.4	18	18	1.7	624
Total Legacy Waste Measured							624 m <sup>3</sup>

Volume Measurements on 04.02.2021							
S.No	Shape Of the Heap	Length (m)		Width (m)		Height (m)	Volume (m <sup>3</sup> )
		Top	Bottom	Top	Bottom		
1	Cuboid	20.1	20.1	20	20	2.8	1126
Total Legacy Waste Measured							1126 m <sup>3</sup>

Volume Measurements on 06.02.2021							
S.No	Shape Of the Heap	Length (m)		Width (m)		Height (m)	Volume (m <sup>3</sup> )
		Top	Bottom	Top	Bottom		
1	Cuboid	45.75	45.75	27	27	2.73	3372
2	Cuboid	32.55	32.55	9.9	9.9	4.3	1386
3	Cuboid	35.65	35.65	19.73	19.73	5.1	3587
4	Cuboid	11.75	11.75	6	6	2.5	176
5	Cuboid	50	50	29.1	29.1	2.4	3492
6	Cuboid	64.1	64.1	38.2	38.2	2.26	5534
7	Cuboid	19.5	19.5	13.8	13.8	5	1346
8	Cuboid	25	25	19	19	5.9	2803
Total Legacy Waste Measured							21696 m <sup>3</sup>

Volume Measurements on 15.06.2021							
S.No	Shape Of the Heap	Length (m)		Width (m)		Height (m)	Volume (m <sup>3</sup> )
		Top	Bottom	Top	Bottom		
1	Cuboid	50	50	11	11	2.2	1210
2	Cuboid	30.8	30.8	27.8	27.8	2.2	1884
3	Trapezoid	31	40	21	28	3.4	2957
4	Trapezoid	37	44.2	34	40	3.1	4657
5	Trapezoid	33.5	40	24.5	30.7	3.1	3144
Total Legacy Waste Measured							13852 m <sup>3</sup>

Volume Measurements on 10.07.2021							
S.No	Shape Of the Heap	Length (m)		Width (m)		Height (m)	Volume (m <sup>3</sup> )
		Top	Bottom	Top	Bottom		
1	Cuboid	61	61	35.83	35.83	3.00	6557
2	Cuboid	57.50	57.50	47.83	47.83	3.30	9076
3	Cuboid	28.25	28.25	28.00	28.00	3.80	3006
4	Cuboid	33.00	33.00	15.00	15.00	2.00	990
5	Cuboid	55.00	55.00	19.75	19.75	2.83	3074
Total Legacy Waste Measured							22703 m <sup>3</sup>

S.No	Volume Measurements on 28.08.2021						
	Shape Of the Heap	Length (m)		Width (m)		Height (m)	Volume (m <sup>3</sup> )
		Top	Bottom	Top	Bottom		
1	Trapezoid	50.00	57.15	26.00	30.45	3.00	4536.46
2	Trapezoid	50.00	55.50	33.60	33.60	4.65	5241.66
3	Triangle	52.75		13.60		4.65	1667.95
4	Trapezoid	69.00	74.70	26.00	32.50	3.00	6304.83
5	Rectangle	69.00		33.60		2.85	6607.44
6	Triangle	69.00		8.55		2.85	840.67
7	Trapezoid	40.00	40.00	15.00	20.50	2.10	1491.00
8	Trapezoid	26.85	33.05	29.35	34.20	2.80	2664.65
	Trapezoid	27.40	32.05	35.70	35.70	2.80	2971.31
	Trapezoid	27.65	32.35	28.20	33.20	3.20	2947.20
	Deduction for empty space in heap 10 (semicircle)	Radius 12.00				2.10	474.80
<b>Total Legacy Waste Measured</b>							<b>37798 m<sup>3</sup></b>

Section No.	Date	Area (acre)	Quantity in cum	
			Filling	Cutting
1	18.02.2021	10.828	93517	1355.6
2	18.02.2021	6.837	134910	0
3	18.02.2021	1.966	42821	0
4	18.02.2021	3.867	99009	0
5	18.02.2021	0.962	20585	0
8	10.02.2021	1.577	35107	0
<b>Total</b>		<b>26.037</b>	<b>475949</b>	<b>1355.6</b>

S. No	Date of Measurement	Measured by	Volume measured in m <sup>3</sup>	Status
7	07.10.2022	M/s Gridline survey and geospatial Pvt Ltd	29571.231	Completed
8	07.10.2022		5395.634	Completed
9	07.10.2022		5363.869	Completed
10	07.10.2022		2248.211	Completed
11	07.10.2022		21959.159	Completed
12	07.10.2022		5723.073	Completed
13	07.10.2022	M/s Gridline survey and geospatial Pvt Ltd	5690.17	Completed
14	07.10.2022		2283.79	Completed
15	07.10.2022		16527.374	Completed
16	07.10.2022		18231.283	Completed
17	07.10.2022		21630.419	Completed
18	07.10.2022		6651.14	Completed
19	07.10.2022	M/s Gridline survey and geospatial Pvt Ltd	5799.036	Completed
20	07.10.2022		3814.075	Completed

21	07.10.2022		2422.15	Completed
22	07.10.2022		25348.65	Completed
23	07.10.2022		3814.352	Completed
24	07.10.2022		107510.623	Completed
25	07.10.2022	M/s Gridline survey and geospatial Pvt Ltd	24966.486	Completed
26	07.10.2022		8741.128	Completed
27	07.10.2022		20976.253	completed
28	07.10.2022		41628.473	Completed
29	07.10.2022		44608.908	Completed
30	07.10.2022		930.55	Completed
31	07.10.2022	M/s Gridline survey and geospatial Pvt Ltd	1252.174	Completed
32	07.10.2022		464.14	Completed
33	07.10.2022		2176.411	Completed
34	07.10.2022		1484.438	Completed
35	07.10.2022		12153.829	Completed
<b>Total volume of legacy waste measured till October 2022:</b>			<b>4,50,667.029 m<sup>3</sup></b>	

Table A-2

Fine soil disposal during the period 01 February 2021 to 08 December 2024: 18,751 tons

Scrap & wood disposal during the period 01 February 2021 to 08 December 2024: 9502 tons

Stone disposal during the period 01 February 2021 to 08 December 2024: 6597 tons

Coarse soil disposal during the period 01 February 2021 to 08 December 2024:  
5,53,142 tons

Details on materials dispatched from Coimbatore Dumpsite during this claim period 14  
March 2024 to 08 December 2024

S. No.	Fraction	Quantity (Tons)	Buyer's Name	Total (Tons)
1	Coarse soil	1519.7	Landfilling, Pattanam, Legacy Recovered Area	1519.70
2	RDF	40457.665	Dalmia Ariyalur, Dalmiapuram, My Home, Orient Cement Karnataka, Zuari Cement Kadapa, Chettinad Cement Corporation Private Limited	40457.665
			<b>TOTAL</b>	<b>41977.365</b>

Disposal log of Coarse soil/Inert in this claim period

S. NO	DATE	VEHICLE NO	TARE WEIGHT (Kgs)	GROSS WEIGHT (Kgs)	NET WEIGHT (Kgs)
1	20-05-2024	TN 30 AU 3064	23250	13205	10045
2	20-05-2024	TN 18 BJ 6040	25640	11900	13740
3	22-05-2024	TN 30 AU 3064	22885	13205	9680
4	22-05-2024	TN 30 AU 3064	28695	13205	15490
5	24-05-2024	TN 18 BJ 6040	28335	11900	16435
6	25-05-2024	TN 18 BJ 6040	29255	11900	17355
7	26-05-2024	TN 18 BJ 6040	27525	11900	15625
8	27-05-2024	TN 30 AU 3064	29315	13205	16110
9	27-05-2024	TN 30 AU 3064	27060	13205	13855
10	29-05-2024	TN 30 AU 3064	29970	13205	16765
11	30-05-2024	TN 18 BJ 6040	25675	11900	13775
12	31-05-2024	TN 30 AU 3064	28330	13205	15125
13	02-06-2024	TN 30 AU 3064	29830	13205	16625
14	03-06-2024	TN 18 BJ 6040	24750	11900	12850
15	03-06-2024	TN 30 AU 3064	20175	13205	15270
16	06-06-2024	TN 30 AU 3064	27410	13205	14205
17	06-06-2024	TN 18 BJ 6040	26760	11900	14860
18	08-06-2024	TN 30 AU 3064	22380	13205	9175
19	08-06-2024	TN 18 BJ 6040	24910	11900	13010
20	10-06-2024	TN 18 BJ 6040	24810	11900	12910
21	11-06-2024	TN 18 BJ 6040	29785	11900	17885
22	11-06-2024	TN 18 BJ 6040	24920	11900	13020
23	14-06-2024	TN 18 BJ 6040	28140	11900	16240
24	14-06-2024	TN 18 BJ 6040	29185	11900	17285
25	18-06-2024	TN 18 BJ 6040	29135	11900	17235
26	18-06-2024	TN 47 AF 9015	25220	11580	13640
27	21-06-2024	TN 18 BJ 6040	24440	11900	12540
28	21-06-2024	TN 18 BJ 6040	29870	11900	17970
29	27-06-2024	TN 18 BJ 6040	28835	11900	16935
30	29-06-2024	TN 18 BJ 6040	26105	11900	14205
31	01-07-2024	TN 18 BJ 6040	27865	11900	15965
32	01-07-2024	TN 18 BJ 6040	24885	11900	12985
33	04-07-2024	TN 18 BJ 6040	25535	11900	13635
34	06-07-2024	TN 18 BJ 6040	29045	11900	17145
35	08-07-2024	TN 18 BJ 6040	26165	11900	14265
36	10-07-2024	TN 18 BJ 6040	29365	11900	17465
37	11-07-2024	TN 37 DP 6799	27135	12500	14635
38	13-07-2024	TN 37 DP 6799	24375	12500	11875
39	15-07-2024	TN 37 DP 6799	28965	12500	16465

40	15-07-2024	TN 37 DP 6799	29945	12500	17445
41	17-07-2024	TN 37 DP 6799	25745	12500	13245
42	19-07-2024	TN 37 DP 6799	27465	12500	14965
43	20-07-2024	TN 37 DP 6799	29510	12500	17010
44	23-07-2024	TN 30 AU 3064	26270	13205	13065
45	24-07-2024	TN 30 AU 3064	28870	13205	15665
46	25-07-2024	TN 30 AU 3064	24440	13205	11235
47	27-07-2024	TN 37 DP 6799	25290	12500	12790
48	29-07-2024	TN 37 DP 6799	29790	12500	17290
49	30-07-2024	TN 30 AU 3064	27845	13205	14640
50	03-08-2024	TN 30 AU 3064	25775	13205	12570
51	03-08-2024	TN 30 AU 3064	27785	13205	14580
52	05-08-2024	TN 30 AU 3064	28785	13205	15580
53	07-08-2024	TN 18 BJ 6040	26345	11900	14445
54	07-08-2024	TN 37 DP 6799	24010	12500	11510
55	09-08-2024	TN 37 DP 6799	28010	12500	15510
56	10-08-2024	TN 18 BJ 6040	30265	11900	18365
57	10-08-2024	TN 37 DP 6799	29740	12500	17240
58	14-08-2024	TN 18 BJ 6040	30575	11900	18675
59	14-08-2024	TN 18 BJ 6040	28780	11900	16880
60	17-08-2024	TN 37 DP 6799	30650	12500	18150
61	17-08-2024	TN 18 BJ 6040	32270	11900	20370
62	18-08-2024	TN 18 BJ 6040	34270	11900	22370
63	20-08-2024	TN 18 BJ 6040	29895	11900	17995
64	22-08-2024	TN 37 DP 6799	31650	12500	19150
65	22-08-2024	TN 37 DP 6799	29635	12500	17135
66	24-08-2024	TN 37 DP 6799	29545	12500	17045
67	27-08-2024	TN 37 DP 6799	28900	12500	16400
68	27-08-2024	TN 30 AU 3064	25960	13205	12755
69	30-08-2024	TN 37 DP 6799	26500	12500	14000
70	31-08-2024	TN 30 AU 3064	23780	13205	10575
71	02-09-2024	TN 30 AU 3064	24890	13205	11685
72	04-09-2024	TN 30 AU 3064	24685	13205	11480
73	09-09-2024	TN 37 DP 6799	21205	12500	8705
74	09-09-2024	TN 30 AU 3064	25085	13205	11880
75	14-09-2024	TN 30 AU 3064	20175	13205	6970
76	17-09-2024	TN 37 DP 6799	24760	12500	12260
77	21-09-2024	TN 47 AF 9015	28510	11580	16930
78	28-09-2024	TN 47 AF 9015	29480	11580	17900
79	29-09-2024	TN 47 AF 9015	25270	11580	13690
80	30-09-2024	TN 47 AF 9015	23200	11580	11620
81	04-10-2024	TN 47 AF 9015	24635	11580	13055
82	10-10-2024	TN 47 AF 9015	25790	11580	14210

83	15-10-2024	TN 47 AF 9015	20440	11580	8860
84	18-10-2024	TN 47 AF 9015	26725	11580	15145
85	19-10-2024	TN 47 AF 9015	20165	11580	8585
86	25-10-2024	TN 47 AF 9015	20690	11580	9110
87	28-10-2024	TN 47 AF 9015	21230	11580	9650
88	31-10-2024	TN 47 AF 9015	24365	11580	12785
89	08-11-2024	TN 47 AF 9015	23145	11580	11565
90	14-11-2024	TN 47 AF 9015	22275	11580	10695
91	19-11-2024	TN 18 BJ 0040	20045	11900	0145
92	23-11-2024	TN 18 BJ 6040	25850	11900	13950
93	27-11-2024	TN 47 AF 9015	23220	11580	11640
94	30-11-2024	TN 47 AF 9015	25680	11580	14100
95	01-12-2024	TN 47 AF 9015	24310	11580	12730
96	01-12-2024	TN 47 AF 9015	22455	11580	10875
97	04-12-2024	TN 47 AF 9015	25715	11580	14135
98	06-12-2024	TN 47 AF 9015	24965	11580	13385
99	06-12-2024	TN 47 AF 9015	22755	11580	11175
100	06-12-2024	TN 47 AF 9015	27080	11580	15500
101	07-12-2024	TN 47 AF 9015	20720	11580	9140
102	07-12-2024	TN 47 AF 9015	22090	11580	10510
103	08-12-2024	TN 47 AF 9015	23130	11580	11550
104	08-12-2024	TN 47 AF 9015	25475	11580	13895
105	08-12-2024	TN 47 AF 9015	28120	11580	16540
106	08-12-2024	TN 47 AF 9015	29650	11580	18070
107	08-12-2024	TN 48 U 8112	26275	11640	14635
<b>Total</b>					<b>1519700</b>

RDF disposal during the period 01 February 2021 to 08 December 2024: 1,23,094 tons

RDF disposal log during this claim period

S. No	Date of Disposal	Vehicle No.	Net weight (tons)	Name/ Address of Vendor/Utilization
1	14-03-2024	TN 52 P 5160	25.15	Orient Karnataka-Chittapur, Gulbarga
2	14-03-2024	TN 52 P 4369	30.26	Orient Karnataka-Chittapur, Gulbarga
3	15-03-2024	TN 2 P 6557	29.565	Orient Karnataka-Chittapur, Gulbarga
4	18-03-2024	KA 01 AJ 9396	26.29	Dalmia, Dalmiapuram
5	20-03-2024	IN 58 BQ 1938	30	Dalmia, Dalmiapuram
6	21-03-2024	TN 28 BA 1710	23.025	Dalmia, Dalmiapuram
7	22-03-2024	KA 01 AJ 9396	24.5	Dalmia, Dalmiapuram
8	22-03-2024	TN 57 BT 8186	19.45	Chettinad cement Corporation Private Limited, Pullyur Cement Factory, Karur
9	23-03-2024	TN 28 AE 8743	24.2	Dalmia, Dalmiapuram
10	26-03-2024	KA 01 AJ 9396	21.07	Dalmia, Dalmiapuram
11	27-03-2024	TN 28 BA 1710	23.695	Dalmia, Dalmiapuram
12	29-03-2024	TN 88 B 7466	26.96	Dalmia, Dalmiapuram
13	29-03-2024	TN 28 AE 8743	28.76	Chettinad cement Corporation Private Limited, Keelapalur Cement Factory,
14	30-03-2024	TN 28 AB 5837	32.94	Dalmia, Dalmiapuram
15	30-03-2024	TN 28 AJ 7012	41.42	Dalmia, Dalmiapuram
16	01-04-2024	TN 28 BA 7010	32.24	Dalmia, Dalmiapuram
17	01-04-2024	TN 28 AH 2364	39.86	Dalmia, Dalmiapuram
18	02-04-2024	TN 61 M 9717	20.335	Chettinad cement Corporation Private Limited, Keelapalur Cement Factory,
19	03-04-2024	KA 01 AJ 9396	26.475	Dalmia, Dalmiapuram
20	03-04-2024	TN 52 P 5798	27.56	Orient Karnataka-Chittapur, Gulbarga
21	05-04-2024	TN 74 AA 7898	27.14	Dalmia, Dalmiapuram
22	06-04-2024	KA 01 AJ 9396	26.175	Dalmia, Dalmiapuram
23	06-04-2024	TN 28 AE 8743	37.07	Dalmia, Dalmiapuram
24	06-04-2024	TN 28 BA 1710	31.475	Dalmia, Dalmiapuram
25	07-04-2024	TN 52 AB 4075	25.62	Orient Karnataka-Chittapur, Gulbarga
26	10-04-2024	TN 88 K 3772	49.13	Dalmia, Dalmiapuram
27	10-04-2024	KA 01 AJ 9396	27.7	Dalmia, Dalmiapuram
28	11-04-2024	TN 61 M 9717	24.585	Dalmia, Dalmiapuram
29	11-04-2024	TN 28 AH 1747	46.39	Dalmia, Dalmiapuram
30	11-04-2024	TN 28 AB 0289	40.04	Dalmia, Dalmiapuram
31	12-04-2024	TN 28 AH 5044	25.3	Dalmia, Dalmiapuram
32	12-04-2024	TN 28 AE 8743	34.99	Dalmia, Dalmiapuram
33	13-04-2024	TN 28 AJ 5969	43.72	Dalmia, Dalmiapuram
34	13-04-2024	TN 45 BQ 1913	44.29	Dalmia, Dalmiapuram
35	14-04-2024	TN 28 BB 6732	35.6	Dalmia, Dalmiapuram

36	15-04-2024	TN 19 T 0498	28.93	Dalmia, Dalmiapuram
37	15-04-2024	TN 28 AB 7999	20.38	Dalmia, Dalmiapuram
38	15-04-2024	TN 52 AA 2620	27.265	Orient Karnataka-Chittapur, Gulbarga
39	16-04-2024	KA 01 AJ 9396	28.97	Dalmia, Dalmiapuram
40	16-04-2024	TN 47 BA 9943	35.355	Dalmia, Dalmiapuram
41	16-04-2024	TN 47 BB 0614	33.005	Dalmia, Dalmiapuram
42	16-04-2024	TN 52 P 5798	30.74	Orient Karnataka-Chittapur, Gulbarga
43	17-04-2024	TN 28 BB 6732	48.72	Dalmia, Dalmiapuram
44	17-04-2024	TN28 AB 0289	39.29	Dalmia, Dalmiapuram
45	17-04-2024	TN 28 AF 7710	49.91	Dalmia, Dalmiapuram
46	17-04-2024	TN 28 BA 4622	47.57	Dalmia, Dalmiapuram
47	17-04-2024	TN 52 H 5905	30.29	My Home Industries Kumool Dist Andhra
48	17-04-2024	TN 57 CX 9537	20.04	Chettinad cement Corporation Private Limited, Puliur Cement Factory, Karur
49	18-04-2024	TN 47 BB 0805	33.49	Dalmia, Dalmiapuram
50	18-04-2024	TN 47 BA 9985	26.715	Dalmia, Dalmiapuram
51	18-04-2024	TN 88 J 9706	51.3	Dalmia, Dalmiapuram
52	18-04-2024	KA 01 AJ 8689	43.8	Dalmia, Dalmiapuram
53	18-04-2024	TN 36 BV 7202	40.28	Dalmia, Ariyalur
54	18-04-2024	TN 88 D 5131	45.96	Dalmia, Dalmiapuram
55	18-04-2024	TN 34 MA 1779	30.565	My Home Industries Kumool Dist Andhra
56	18-04-2024	AP 39 UN 3130	34.52	My Home Industries Kumool Dist Andhra
57	19-04-2024	TN 28 BA 0406	42.61	Dalmia, Dalmiapuram
58	19-04-2024	TN 47 BB 0878	33.82	Dalmia, Ariyalur
59	19-04-2024	TN 47 BB 0895	35.67	Dalmia, Ariyalur
60	19-04-2024	TN 47 BB 0835	33.07	Dalmia, Ariyalur
61	19-04-2024	TN 28 AJ 9187	51.1	Dalmia, Dalmiapuram
62	19-04-2024	TN 52 AB 3998	29.825	Orient Karnataka-Chittapur, Gulbarga
63	20-04-2024	KA 01 AJ 96396	34.96	Dalmia, Ariyalur
64	20-04-2024	TN 47 BB 0653	32.21	Dalmia, Ariyalur
65	20-04-2024	TN 28 AE 8743	36.22	Dalmia, Ariyalur
66	20-04-2024	TN 88 J 9706	43.8	Dalmia, Ariyalur
67	21-04-2024	TN 52 AA 2617	29.415	Orient Karnataka-Chittapur, Gulbarga
68	21-04-2024	TN 88 J 7654	45.74	Dalmia, Dalmiapuram
69	21-04-2024	KA 01 AJ 8689	45.4	Dalmia, Ariyalur
70	21-04-2024	TN 47 BA 9976	36.41	Dalmia, Ariyalur
71	21-04-2024	TN 47 BA 9920	35.67	Dalmia, Ariyalur
72	22-04-2024	KA 52 A 5693	40.46	Dalmia, Ariyalur
73	22-04-2024	TN 52 A 6484	43.64	Dalmia, Dalmiapuram
74	22-04-2024	TN 69 BH 1175	33.17	Dalmia, Ariyalur
75	22-04-2024	TN 69 BJ 1275	30.025	Dalmia, Ariyalur

76	22-04-2024	TN 69 BJ 1375	29.905	Dalmia, Ariyalur
77	22-04-2024	TN 69 BC 9030	34.375	Dalmia, Ariyalur
78	22-04-2024	TN 69 BF 9475	30.32	Dalmia, Ariyalur
79	22-04-2024	TN 11 AZ 3088	35.445	Dalmia, Ariyalur
80	22-04-2024	TN 28 AM 3102	35.1	Dalmia, Ariyalur
81	22-04-2024	TN 34 MA 5299	30.84	My Home Industries Kumool Dist Andhra
82	22-04-2024	TN 34 MA 2077	30.28	My Home Industries Kumool Dist Andhra
83	23-04-2024	TN 28 BB 6732	38.91	Dalmia, Dalmiapuram
84	23-04-2024	TN 19 BA 6989	38.93	Dalmia, Ariyalur
85	23-04-2024	TN 19 BA 6931	39.48	Dalmia, Ariyalur
86	23-04-2024	TN 19 BA 6998	36.71	Dalmia, Ariyalur
87	23-04-2024	TN 48 AX 9455	29.64	Dalmia, Ariyalur
88	23-04-2024	TN 69 BF 9575	31.775	Dalmia, Ariyalur
89	23-04-2024	TN 18 BQ 7666	37.15	Dalmia, Ariyalur
90	23-04-2024	TN 28 AE 5697	47.27	Dalmia, Dalmiapuram
91	23-04-2024	TN 52 AB 4006	29.505	Orient Karnataka-Chittapur, Gulbarga
92	23-04-2024	TN 52 AB 4020	35.58	Orient Karnataka-Chittapur, Gulbarga
93	23-04-2024	TN 34 AZ 4144	30.075	My Home Industries Kumool Dist Andhra
94	24-04-2024	TN 28 AJ 7012	46.33	Dalmia, Dalmiapuram
95	24-04-2024	TN 28 AJ 9187	48.66	Dalmia, Dalmiapuram
96	24-04-2024	TN 47 BB 0641	32.79	Dalmia, Dalmiapuram
97	24-04-2024	KA 01 AJ 9396	31.89	Dalmia, Ariyalur
98	24-04-2024	TN 47 BB 0695	32.2	Dalmia, Ariyalur
99	24-04-2024	TN 52 L 5982	30.975	Dalmia, Ariyalur
100	24-04-2024	KA 01 AK 3368	44.85	Dalmia, Dalmiapuram
101	24-04-2024	TN 52 P 7497	40.5	Dalmia, Ariyalur
102	24-04-2024	KA 16 AA 7221	33.285	Dalmia, Ariyalur
103	24-04-2024	TN 88 J 9706	50.2	Dalmia, Ariyalur
104	25-04-2024	KA 52 A 6465	51.41	Dalmia, Dalmiapuram
105	25-04-2024	TN 28 AE 8743	42.63	Dalmia, Dalmiapuram
106	25-04-2024	TN 88 D 5131	44.85	Dalmia, Dalmiapuram
107	25-04-2024	TN 47 BA 9982	33.4	Dalmia, Ariyalur
108	25-04-2024	TN 18 BQ 1666	37.96	Dalmia, Ariyalur
109	25-04-2024	TN 52 E 3458	44.85	Dalmia, Ariyalur
110	25-04-2024	TN 88 J 7684	58.16	Dalmia, Dalmiapuram
111	25-04-2024	TN 52 F 6510	21.45	Dalmia, Dalmiapuram
112	25-04-2024	TN 52 M 8397	31.645	Orient Karnataka-Chittapur, Gulbarga
113	25-04-2024	TN 52 AB 4208	30.43	Orient Karnataka-Chittapur, Gulbarga
114	26-04-2024	TN 28 BH 5653	34.255	Dalmia, Ariyalur
115	26-04-2024	TN 47 BB 0653	34.33	Dalmia, Ariyalur
116	26-04-2024	TN 18 BQ 9666	39.93	Dalmia, Ariyalur
117	26-04-2024	TN 28 BB 6732	53.44	Dalmia, Dalmiapuram

118	26-04-2024	TN 47 BB 0878	23.215	Dalmia, Dalmiapuram
119	26-04-2024	TN 28 AE 5697	53.99	Dalmia, Dalmiapuram
120	26-04-2024	TN 88 A 7593	41.36	Dalmia, Dalmiapuram
121	26-04-2024	TN 47 AT 2433	36.055	Dalmia, Ariyalur
122	26-04-2024	TN 47 BB 0833	32.985	Dalmia, Ariyalur
123	26-04-2024	TN 86 H 8289	35.785	My Home Industries Kumool Dist Andhra
124	26-04-2024	TN 30 BH 6899	24.835	My Home Industries Kumool Dist Andhra
125	27-04-2024	TN 88 K 1265	58.37	Dalmia, Dalmiapuram
126	27-04-2024	TN 28 AJ 7012	49.72	Dalmia, Dalmiapuram
127	27-04-2024	KA 01 AJ 9396	35.155	Dalmia, Ariyalur
128	27-04-2024	KA 52 A 6484	49.34	Dalmia, Ariyalur
129	27-04-2024	TN 47 BU 3589	49.92	Dalmia, Dalmiapuram
130	27-04-2024	TN 52 Q 3192	32.39	Orient Karnataka-Chittapur, Gulbarga
131	27-04-2024	TN 52 AA 3346	32.155	Orient Karnataka-Chittapur, Gulbarga
132	27-04-2024	TN 34 U 8299	27.3	My Home Industries Kumool Dist Andhra
133	28-04-2024	TN 47 BA 9920	33.53	Dalmia, Ariyalur
134	28-04-2024	TN 47 BB 0835	39.25	Dalmia, Ariyalur
135	28-04-2024	TN 88 H 3228	42.28	Dalmia, Dalmiapuram
136	28-04-2024	TN 28 AH 3659	57.6	Dalmia, Dalmiapuram
137	28-04-2024	TN 52 B 4249	29.255	Dalmia, Ariyalur
138	28-04-2024	KA 52 A 5693	47.14	Dalmia, Dalmiapuram
139	29-04-2024	TN 46 V 7114	37.6	Dalmia, Dalmiapuram
140	29-04-2024	TN 47 BB 0607	33.105	Dalmia, Ariyalur
141	29-04-2024	TN 52 AB 3998	30.66	Orient Karnataka-Chittapur, Gulbarga
142	29-04-2024	TN 52 M 8416	30.58	Orient Karnataka-Chittapur, Gulbarga
143	29-04-2024	TN 52 M 5371	25.96	Orient Karnataka-Chittapur, Gulbarga
144	29-04-2024	TN 52 AB 9153	35	My Home Industries Kumool Dist Andhra
145	29-04-2024	TN 34 X 1500	23.655	My Home Industries Kumool Dist Andhra
146	30-04-2024	TN 88 D 5131	43.02	Dalmia, Dalmiapuram
147	30-04-2024	TN 88 J 9761	42.54	Dalmia, Dalmiapuram
148	30-04-2024	KA 52 A 5692	49.8	Dalmia, Dalmiapuram
149	30-04-2024	TN 47 BB 0641	39.89	Dalmia, Dalmiapuram
150	30-04-2024	TN 47 B 9903	34.06	Dalmia, Ariyalur
151	30-04-2024	TN 34 Q 3061	36.445	Dalmia, Ariyalur
152	30-04-2024	TN 52 P 7173	44.31	Dalmia, Ariyalur
153	30-04-2024	KA 52 A 6485	50.18	Dalmia, Dalmiapuram
154	30-04-2024	TN 47 BB 0653	32.5	Dalmia, Dalmiapuram
155	30-04-2024	TN 63 AK 6386	42.6	Dalmia, Dalmiapuram
156	30-04-2024	TN 19 BA 6989	37.79	Dalmia, Ariyalur
157	30-04-2024	TN 52 J 6499	26.635	My Home Industries Kumool Dist Andhra

158	30-04-2024	TN 52 B 9060	27.25	My Home Industries Kumool Dist Andhra
159	30-04-2024	TN 69 BE 3564	31.45	My Home Industries Kumool Dist Andhra
160	02-05-2024	TN 47 BA 9985	29.53	Dalmia, Ariyalur
161	02-05-2024	TN 28 AB 5837	49.21	Dalmia, Dalmiapuram
162	02-05-2024	TN 47 BA 9957	29.265	Dalmia, Ariyalur
163	02-05-2024	TN 28 BB 6732	49.86	Dalmia, Dalmiapuram
164	02-05-2024	TN 28 AM 3102	64.41	Dalmia, Dalmiapuram
165	02-05-2024	TN 28 AF 7710	54.68	Dalmia, Dalmiapuram
166	02-05-2024	TN 28 AJ 9187	53.92	Dalmia, Dalmiapuram
167	02-05-2024	TN 88 J 9706	45.71	Dalmia, Dalmiapuram
168	02-05-2024	TN 52 AA 2617	31.03	Orient Karnataka-Chittapur, Gulbarga
169	02-05-2024	TN 52 AB 4089	31.79	Orient Karnataka-Chittapur, Gulbarga
170	03-05-2024	TN 05 AK 3605	56.94	Dalmia, Dalmiapuram
171	03-05-2024	TN 28 BA 4548	45.02	Dalmia, Dalmiapuram
172	03-05-2024	TN 19 BA 6998	37.39	Dalmia, Ariyalur
173	03-05-2024	TN 18 BQ 7666	42.13	Dalmia, Ariyalur
174	03-05-2024	KA 01 AE 0789	29.01	Dalmia, Ariyalur
175	03-05-2024	TN 61 L 7119	38.935	Dalmia, Ariyalur
176	03-05-2024	TN 19 AB 1023	34.85	Dalmia, Ariyalur
177	03-05-2024	TN 52 F 6510	27.17	Dalmia, Ariyalur
178	03-05-2024	TN 34 W 4695	31.055	Dalmia, Ariyalur
179	03-05-2024	TN 52 AB 9231	35.53	Dalmia, Ariyalur
180	03-05-2024	TN 28 BA 0406	45.24	Dalmia, Dalmiapuram
181	03-05-2024	TN 88 J 7654	56.6	Dalmia, Dalmiapuram
182	03-05-2024	TN 28 BA 4548	47.33	Dalmia, Dalmiapuram
183	03-05-2024	TN 28 AE 5697	49.1	Dalmia, Dalmiapuram
184	03-05-2024	KA 52 A 6404	43.07	Dalmia, Dalmiapuram
185	03-05-2024	TN 48 Q 7799	28.665	Dalmia, Dalmiapuram
186	04-05-2024	TN 47 BA 9976	31.08	Dalmia, Ariyalur
187	04-05-2024	TN 47 BB 0695	33.13	Dalmia, Ariyalur
188	04-05-2024	TN 47 BB 0835	36.89	Dalmia, Ariyalur
189	04-05-2024	TN 47 BB 0868	41.54	Dalmia, Ariyalur
190	04-05-2024	TN 47 BB 0607	34.88	Dalmia, Ariyalur
191	04-05-2024	TN 47 BB 0641	38.37	Dalmia, Ariyalur
192	04-05-2024	TN 52 B 4249	25.59	Dalmia, Ariyalur
193	04-05-2024	TN 66 Q 1580	37.75	Dalmia, Ariyalur
194	04-05-2024	KA 52 A 6486	66.8	Dalmia, Dalmiapuram
195	04-05-2024	TN 28 AJ 7012	46.55	Dalmia, Dalmiapuram
196	04-05-2024	TN 28 AJ 9549	56.69	Dalmia, Dalmiapuram
197	04-05-2024	TN 38 CD7700	46.26	Dalmia, Dalmiapuram
198	04-05-2024	TN 52 AB 4020	35.5	Orient Karnataka-Chittapur, Gulbarga
199	05-05-2024	TN 52 H 1159	38.015	Dalmia, Ariyalur
200	05-05-2024	TN 17 BA 9903	35.65	Dalmia, Ariyalur

201	05-05-2024	TN 47 BA 9984	34.575	Dalmia, Ariyalur
202	05-05-2024	TN 47 BB 0878	34.475	Dalmia, Ariyalur
203	05-05-2024	KA 52 A 5692	43.54	Dalmia, Dalmiapuram
204	05-05-2024	TN 88 H 3228	46.89	Dalmia, Dalmiapuram
205	05-05-2024	KA 52 A 6485	49.62	Dalmia, Dalmiapuram
206	06-05-2024	KA 52 A 5693	44.57	Dalmia, Dalmiapuram
207	06-05-2024	TN 28 BB 7510	46.77	Dalmia, Dalmiapuram
208	06-05-2024	TN 37 CP 3091	38.02	Dalmia, Ariyalur
209	06-05-2024	TN 28 AH 3659	50.46	Dalmia, Dalmiapuram
210	06-05-2024	TN 29 BU 2296	30.47	Dalmia, Ariyalur
211	06-05-2024	TN 52 F 4919	28.03	Dalmia, Ariyalur
212	06-05-2024	TN 99 A 2151	25.43	Dalmia, Ariyalur
213	06-05-2024	TN 28 BC 6915	44.85	Dalmia, Dalmiapuram
214	06-05-2024	TN 04 AJ 2583	40.74	Dalmia, Dalmiapuram
215	06-05-2024	KA 01 AK 3368	40.36	Dalmia, Dalmiapuram
216	06-05-2024	TN 88 D 5131	41.36	Dalmia, Dalmiapuram
217	06-05-2024	TN 28 BB 6732	43.23	Dalmia, Dalmiapuram
218	06-05-2024	TN 88 A 7593	37.51	Dalmia, Dalmiapuram
219	06-05-2024	TN 28 AL 0410	37.42	Dalmia, Dalmiapuram
220	07-05-2024	TN 47 BA 9957	31.915	Dalmia, Ariyalur
221	07-05-2024	TN 28 AH 1747	46.91	Dalmia, Dalmiapuram
222	07-05-2024	TN 88 J 9761	42.38	Dalmia, Dalmiapuram
223	07-05-2024	TN 47 RR 0653	35.145	Dalmia, Dalmiapuram
224	07-05-2024	TN 28 AB 5837	42	Dalmia, Dalmiapuram
225	07-05-2024	TN 28 BB 9030	42.8	Dalmia, Dalmiapuram
226	07-05-2024	TN 28 AJ 9187	51.29	Dalmia, Dalmiapuram
227	07-05-2024	TN 88 K 1265	50.9	Dalmia, Dalmiapuram
228	07-05-2024	TN 47 BB 0695	31.035	Dalmia, Ariyalur
229	07-05-2024	TN 88 J 7654	48.57	Dalmia, Dalmiapuram
230	07-05-2024	TN 52 P 5160	24.775	Orient Karnataka-Chittapur, Gulbarga
231	07-05-2024	TN 52 P 6557	30.11	Orient Karnataka-Chittapur, Gulbarga
232	08-05-2024	TN 88 E 0781	46.04	Dalmia, Dalmiapuram
233	08-05-2024	TN 28 BA 1710	35.385	Dalmia, Ariyalur
234	08-05-2024	TN 45 CC 8278	26.43	Dalmia, Ariyalur
235	08-05-2024	TN 47 88 0833	31.39	Dalmia, Ariyalur
236	08-05-2024	TN 52 B 4249	26.8	Dalmia, Ariyalur
237	08-05-2024	TN 28 BA 1632	41.77	Dalmia, Dalmiapuram
238	08-05-2024	TN 28 BA 4622	33.87	Dalmia, Dalmiapuram
239	08-05-2024	TN 18 BQ 3666	40.65	Dalmia, Ariyalur
240	08-05-2024	TN 88 J 9076	52.45	Dalmia, Ariyalur
241	09-05-2024	TN 47 BA 9937	32.295	Dalmia, Ariyalur
242	09-05-2024	TN 47 BA 9984	35.79	Dalmia, Ariyalur
243	09-05-2024	KA 01 AE 1789	31.09	Dalmia, Ariyalur
244	09-05-2024	TN 47 BA 9903	33.18	Dalmia, Ariyalur

245	09-05-2024	TN 47 BB 0607	33.305	Dalmia, Ariyalur
246	09-05-2024	TN 38 CD 7700	38.52	Dalmia, Ariyalur
247	09-05-2024	TN 47 BB 0835	39.01	Dalmia, Ariyalur
248	09-05-2024	TN 28 BA 4548	45.35	Dalmia, Ariyalur
249	10-05-2024	TN 47 BU 3589	42.5	Dalmia, Dalmiapuram
250	10-05-2024	TN 88 H 3228	48.56	Dalmia, Dalmiapuram
251	10-05-2024	TN 66 Q 1580	30.38	Dalmia, Ariyalur
252	10-05-2024	TN 28 AK 6389	45.73	Dalmia, Dalmiapuram
253	10-05-2024	TN 47 B 0805	36.14	Dalmia, Ariyalur
254	10-05-2024	TN 18 BQ 7666	38.55	Dalmia, Ariyalur
255	10-05-2024	KA 52 A 6486	48.9	Dalmia, Dalmiapuram
256	10-05-2024	KA 52 A 6484	45.74	Dalmia, Dalmiapuram
257	10-05-2024	TN 47 BB 0641	34.48	Dalmia, Dalmiapuram
258	14-05-2024	TN 52 AA 2462	29.14	Orient Karnataka-Chittapur, Gulbarga
259	15-05-2024	TN 88 J 7654	49.49	Chettinad cement Corporation Private Limited, Keelapur Cement Factory, My Home Industries Kumool Dist Andhra
260	16-05-2024	TN 52 K 5554	30.975	My Home Industries Kumool Dist Andhra
261	16-05-2024	TN 52 K 4955	30.105	My Home Industries Kumool Dist Andhra
262	18-05-2024	TN 52 Q 3192	29.54	Orient Karnataka-Chittapur, Gulbarga
263	18-05-2024	TN 52 F 3897	25.24	My Home Industries Kumool Dist Andhra
264	21-05-2024	TN 52 AC 9499	30.875	My Home Industries Kumool Dist Andhra
265	30-05-2024	TN 88 K 3772	48.57	Dalmia, Dalmiapuram
266	30-05-2024	TN 28 AK 6386	50.51	Dalmia, Dalmiapuram
267	31-05-2024	TN 76 AF 9432	31.065	Dalmia, Dalmiapuram
268	31-05-2024	TN 47 BA 9957	31.095	Dalmia, Dalmiapuram
269	31-05-2024	TN 28 AH 3659	40.02	Dalmia, Dalmiapuram
270	31-05-2024	TN 47 BB 0805	35.045	Dalmia, Dalmiapuram
271	31-05-2024	TN 47 BA 9943	34.085	Dalmia, Dalmiapuram
272	31-05-2024	TN 47 BB 6734	32.67	Dalmia, Dalmiapuram
273	31-05-2024	TN 88 J 7654	54.66	Dalmia, Dalmiapuram
274	01-06-2024	TN 47BU 3589	40.9	Dalmia, Dalmiapuram
275	01-06-2024	TN 47 BB 0835	33.52	Dalmia, Dalmiapuram
276	01-06-2024	TN 47 BA 9920	27.59	Dalmia, Dalmiapuram
277	01-06-2024	TN 47 BB 0833	28.99	Dalmia, Dalmiapuram
278	01-06-2024	TN 31 BC 9969	26.4	Dalmia, Dalmiapuram
279	01-06-2024	TN 36 R 1982	19.74	Dalmia, Dalmiapuram
280	01-06-2024	TN 28 AJ 9187	52.89	Dalmia, Dalmiapuram
281	03-06-2024	TN 28 AL 9396	45.67	Dalmia, Dalmiapuram
282	03-06-2024	TN 48 AX 9455	34.025	Dalmia, Dalmiapuram
283	03-06-2024	TN 28 AK 3435	53.18	Dalmia, Dalmiapuram
284	03-06-2024	TN 52 F 6162	28.09	Dalmia, Dalmiapuram

285	03-06-2024	TN 47 BA 9976	35.435	Dalmia, Dalmiapuram
286	03-06-2024	TN 47 BA 9985	35.955	Dalmia, Dalmiapuram
287	03-06-2024	TN 28 AH 6696	22.005	Dalmia, Dalmiapuram
288	03-06-2024	TN 47 BB 0868	31.99	Dalmia, Dalmiapuram
289	03-06-2024	TN 28 BA 1632	41.61	Dalmia, Dalmiapuram
290	03-06-2024	TN 88 K 1265	48.7	Dalmia, Dalmiapuram
291	04-06-2024	TN 28 AH 7399	47.51	Dalmia, Dalmiapuram
292	04-06-2024	TN 69 BF 5022	35.525	Dalmia, Dalmiapuram
293	04-06-2024	TN 28 AE 8743	41.15	Dalmia, Dalmiapuram
294	04-06-2024	TN 28 AH 5789	49.44	Dalmia, Dalmiapuram
295	04-06-2024	TN 68 BF 7870	31.585	Dalmia, Dalmiapuram
296	04-06-2024	TN 69 BE 2864	31.205	Dalmia, Dalmiapuram
297	04-06-2024	TN 52 AC 9538	35.17	Dalmia, Dalmiapuram
298	04-06-2024	TN 34 W 3052	34.36	Dalmia, Dalmiapuram
299	04-06-2024	TN 47 BB 0878	29.36	Dalmia, Dalmiapuram
300	05-06-2024	TN 38 CD 7700	41.6	Dalmia, Dalmiapuram
301	05-06-2024	TN 37 CP 3091	34.06	Dalmia, Dalmiapuram
302	05-06-2024	TN 88 H 3228	44.1	Dalmia, Dalmiapuram
303	05-06-2024	TN 28 AB 4622	43.85	Dalmia, Dalmiapuram
304	05-06-2024	TN 28 AF 4909	29.06	Dalmia, Dalmiapuram
305	05-06-2024	TN 52 E 4998	30.65	Dalmia, Dalmiapuram
306	05-06-2024	KA 01 AJ 9396	29.01	Dalmia, Dalmiapuram
307	06-06-2024	TN 28 AK 6386	49.78	Dalmia, Dalmiapuram
308	06-06-2024	TN 28 BB 6732	40.31	Dalmia, Dalmiapuram
309	06-06-2024	TN 88 J 7654	54.43	Dalmia, Dalmiapuram
310	06 06 2024	TN 28 AJ 5969	54.52	Dalmia, Dalmiapuram
311	07-06-2024	TN 52 M 6499	28.01	My Home Industries Kumool Dist Andhra
312	08-06-2024	TN 52 D 9691	25.35	My Home Industries Kumool Dist Andhra
313	11-06-2024	TN 52 AA 9752	30.41	My Home Industries Kumool Dist Andhra
314	12-06-2024	TN 52 AA 6499	24.675	My Home Industries Kumool Dist Andhra
315	13-06-2024	TN 52 AD 9499	35.73	My Home Industries Kumool Dist Andhra
316	14-06-2024	TN 52 AB 9299	35.66	My Home Industries Kumool Dist Andhra
317	15-06-2024	TN 52 AD 9299	35.31	My Home Industries Kumool Dist Andhra
318	16-06-2024	TN 52 P 7497	36.055	Dalmia, Dalmiapuram
319	17-06-2024	TN 74 BA 4883	27.2	Dalmia, Dalmiapuram
320	17-06-2024	TN 28 AH 5044	27.06	Dalmia, Dalmiapuram
321	18-06-2024	TN 52 F 6510	26.35	Dalmia, Dalmiapuram
322	18-06-2024	KA 01 AJ 9396	28.21	Dalmia, Dalmiapuram
323	18-06-2024	TN 28 AJ 5969	46.65	Dalmia, Dalmiapuram

324	18-06-2024	KA 01 AJ 8689	41.55	Dalmia, Dalmiapuram
325	19-06-2024	TN 28 BA 4622	47.59	Dalmia, Dalmiapuram
326	19-06-2024	KA 52 A 5693	45.36	Dalmia, Dalmiapuram
327	19-06-2024	TN 20 AK 6386	50.77	Dalmia, Dalmiapuram
328	19-06-2024	TN 04 BC 5385	24.6	Dalmia, Ariyalur
329	20-06-2024	TN 52 F 4334	23.225	Dalmia, Ariyalur
330	22-06-2024	TN 52 A 2674	17.025	Dalmia, Ariyalur
331	22-06-2024	TN 52 AB 4089	30.79	Orient Karnataka-Chittapur, Gulbarga
332	24-06-2024	TN 28 BA 1710	35.735	Dalmia, Dalmiapuram
333	24-06-2024	TN 88 J 3688	53.24	Dalmia, Dalmiapuram
334	24-06-2024	TN 28 AE 8743	39.5	Dalmia, Dalmiapuram
335	24-06-2024	TN 28 AK 3435	43.8	Dalmia, Dalmiapuram
336	24-06-2024	TN 30 AD 1314	17.225	Dalmia, Ariyalur
337	25-06-2024	TN 28 AJ 7012	45.73	Dalmia, Dalmiapuram
338	25-06-2024	TN 28 AB 5837	38.83	Dalmia, Dalmiapuram
339	25-06-2024	TN 28 AJ 5969	53	Dalmia, Dalmiapuram
340	25-06-2024	KA 01 AJ 9396	20.965	Dalmia, Ariyalur
341	25-06-2024	TN 52 AB 4075	34.79	Orient Karnataka-Chittapur, Gulbarga
342	26-06-2024	TN 28 AK 6386	46.76	Dalmia, Dalmiapuram
343	26-06-2024	TN 28 AH 2364	45.11	Dalmia, Dalmiapuram
344	26-06-2024	TN 28 AH 3659	45.6	Dalmia, Dalmiapuram
345	26-06-2024	TN 28 BB 6732	44.165	Dalmia, Dalmiapuram
346	26-06-2024	TN 52 F 3458	34.47	Dalmia, Dalmiapuram
347	27-06-2024	TN 88 K 1265	48.85	Dalmia, Dalmiapuram
348	27-06-2024	TN 05 AK 3605	53.44	Dalmia, Dalmiapuram
349	27-06-2024	TN 28 BA 4622	53.1	Dalmia, Dalmiapuram
350	27-06-2024	TN 88 K 3975	56.88	Dalmia, Dalmiapuram
351	27-06-2024	TN 28 BC 4182	56.63	Dalmia, Dalmiapuram
352	27-06-2024	TN 28 BC 6915	56.97	Dalmia, Dalmiapuram
353	27-06-2024	TN 18 AJ 9122	41.41	Dalmia, Ariyalur
354	28-06-2024	KA 52 A 6468	46.43	Dalmia, Dalmiapuram
355	28-06-2024	TN 28 BA 4518	46.17	Dalmia, Dalmiapuram
356	28-06-2024	TN 01 AJ 2503	47.31	Dalmia, Dalmiapuram
357	28-06-2024	TN 47 BA 9982	34.425	Dalmia, Dalmiapuram
358	28-06-2024	TN 47 BA 9985	29.345	Dalmia, Dalmiapuram
359	28-06-2024	TN 47 BA 9987	22.525	Dalmia, Dalmiapuram
360	28-06-2024	TN 47 BA 9903	35.9	Dalmia, Dalmiapuram
361	28-06-2024	TN 37 CP 3091	32.06	Dalmia, Ariyalur
362	28-06-2024	TN 46 V 7114	41.15	Dalmia, Ariyalur
363	28-06-2024	TN 47 BU 3589	45.32	Dalmia, Ariyalur
364	29-06-2024	TN 28 AJ 9187	48.44	Dalmia, Dalmiapuram
365	29-06-2024	TN 88 A 4072	35.21	Dalmia, Dalmiapuram
366	29-06-2024	TN 88 D 5131	36.02	Dalmia, Ariyalur
367	29-06-2024	TN 28 BA 0406	39.25	Dalmia, Ariyalur

368	29-06-2024	TN 88 J 7654	49.95	Dalmia, Ariyalur
369	29-06-2024	TN 28 AE 8743	34.11	Dalmia, Ariyalur
370	29-06-2024	TN 28 AF 7710	40.78	Dalmia, Ariyalur
371	11-07-2024	TN 47 BA 9937	25.055	Dalmia, Ariyalur
372	11-07-2024	TN 47 BA 9985	20.7	Dalmia, Dalmiapuram
373	11-07-2024	KA 01 AJ 9396	25.1	Dalmia, Ariyalur
374	12-07-2024	TN 47 BA 9957	22.04	Dalmia, Dalmiapuram
375	12-07-2024	TN 28 AB 5837	31.94	Dalmia, Dalmiapuram
376	12-07-2024	TN 47 BB 0835	22.35	Dalmia, Ariyalur
377	13-07-2024	TN 88 D 5131	38.07	Dalmia, Dalmiapuram
378	13-07-2024	TN 37 CP 3091	33.525	Dalmia, Dalmiapuram
379	13-07-2024	TN 47 BB 0833	29.57	Dalmia, Dalmiapuram
380	13-07-2024	TN 28 AL 9396	38.22	Dalmia, Dalmiapuram
381	13-07-2024	TN 88 H 3228	37.29	Dalmia, Dalmiapuram
382	14-07-2024	TN 61 M 2903	23.45	Dalmia, Ariyalur
383	15-07-2024	TN 04 AJ 2583	30.21	Dalmia, Dalmiapuram
384	15-07-2024	TN 28 AF 7710	31.39	Dalmia, Dalmiapuram
385	15-07-2024	TN 28 BA 0406	39.3	Dalmia, Dalmiapuram
386	15-07-2024	TN 48 AX 9455	25.37	Dalmia, Ariyalur
387	17-07-2024	TN 52 B 9329	31.595	Dalmia, Ariyalur
388	17-07-2024	TN 28 AJ 9187	43.07	Dalmia, Dalmiapuram
389	18-07-2024	TN 28 BA 4622	44.11	Dalmia, Dalmiapuram
390	18-07-2024	TN 88 L 0236	36.35	Dalmia, Dalmiapuram
391	18-07-2024	TN 28 AE 5697	46.13	Dalmia, Dalmiapuram
392	18-07-2024	KA 01 AJ 9396	38.06	Dalmia, Ariyalur
393	19-07-2024	TN 28 BB 6732	40.75	Dalmia, Dalmiapuram
394	19-07-2024	TN 88 K 1265	48.79	Dalmia, Dalmiapuram
395	19-07-2024	TN 88 D 5131	37.42	Dalmia, Dalmiapuram
396	19-07-2024	TN 11 L 9768	46.53	Dalmia, Dalmiapuram
397	19-07-2024	TN 52 H 4066	25.08	Dalmia, Ariyalur
398	19-07-2024	TN 88 J 7654	49.1	Dalmia, Dalmiapuram
399	20-07-2024	TN 28 AE 8743	34.4	Dalmia, Ariyalur
400	20-07-2024	TN 28 AH 3659	46.06	Dalmia, Dalmiapuram
401	20-07-2024	KA 01 AK 3368	42.54	Dalmia, Dalmiapuram
402	21-07-2024	TN 38 CD 6116	33.97	Dalmia, Ariyalur
403	22-07-2024	TN 28 BA 1710	31.555	Dalmia, Ariyalur
404	23-07-2024	TN 28 BA 0406	27.15	Dalmia, Ariyalur
405	24-07-2024	TN 48 AX 9455	23.44	Dalmia, Ariyalur
406	25-07-2024	TN 28 AJ 9187	30.38	Dalmia, Ariyalur
407	26-07-2024	TN 88 E 6411	24.33	Dalmia, Ariyalur
408	27-07-2024	KA 01 AJ 9396	25.02	Dalmia, Ariyalur
409	29-07-2024	TN 52 B 9329	25.545	Dalmia, Ariyalur
410	30-07-2024	TN 28 BS 0406	34.6	Dalmia, Ariyalur
411	01-08-2024	TN 28 AB 5837	39.55	Dalmia, Ariyalur

412	02-08-2024	TN 52 H 9785	20.8	Dalmia, Ariyalur
413	03-08-2024	TN 28 BA 1632	28.85	Dalmia, Dalmiapuram
414	03-08-2024	TN 61 M 9717	19.175	Dalmia, Dalmiapuram
415	04-08-2024	TN 24 BC 5385	25.85	Dalmia, Dalmiapuram
416	06-08-2024	TN 28 AJ 9187	32.81	Dalmia, Dalmiapuram
417	06-08-2024	TN 88 J 7654	34.46	Dalmia, Dalmiapuram
418	06-08-2024	TN 88 E 6411	31.93	Dalmia, Dalmiapuram
419	06-08-2024	TN 47 BA 9957	24.67	Dalmia, Ariyalur
420	07-08-2024	TN 47 AH 3061	37.63	Dalmia, Dalmiapuram
421	07-08-2024	TN 52 F 4919	22.435	Dalmia, Dalmiapuram
422	07-08-2024	TN 52 P 7173	37.05	Dalmia, Dalmiapuram
423	07-08-2024	TN 88 L 0648	30.81	Dalmia, Dalmiapuram
424	07-08-2024	TN 52 P 7497	41.98	Dalmia, Dalmiapuram
425	08-08-2024	TN 34 U 9734	33.85	Dalmia, Dalmiapuram
426	08-08-2024	TN 47 BB 0833	41.15	Dalmia, Dalmiapuram
427	08-08-2024	TN 38 CD 6116	40.32	Dalmia, Dalmiapuram
428	08-08-2024	TN 28 AE 5697	46.05	Dalmia, Dalmiapuram
429	08-08-2024	TN 42 AD 1189	33.84	Dalmia, Dalmiapuram
430	08-08-2024	TN 48 AX 9455	21.2	Dalmia, Dalmiapuram
431	09-08-2024	TN 28 BB 6732	45.8	Dalmia, Dalmiapuram
432	09-08-2024	KA 01 AK 3368	51.09	Dalmia, Dalmiapuram
433	09-08-2024	TN 47 BB 0835	41.67	Dalmia, Dalmiapuram
434	10-08-2024	TN 28 AB 5837	43.6	Dalmia, Dalmiapuram
435	10-08-2024	TN 28 AJ 9187	49.15	Dalmia, Dalmiapuram
436	10-08-2024	TN 28 BC 6915	42.5	Dalmia, Dalmiapuram
437	10-08-2024	TN 20 DA 1710	24.5	Dalmia, Dalmiapuram
438	10-08-2024	TN 36 BV 3805	45.745	Dalmia, Dalmiapuram
439	12-08-2024	TN 47 BB 0868	15.275	Dalmia, Dalmiapuram
440	12-08-2024	TN 48 AX 9455	25.395	Dalmia, Dalmiapuram
441	12-08-2024	TN 52 Q 3192	29.145	Orient Karnataka-Chittapur, Gulbarga
442	13-08-2024	TN 88 J 7654	34.68	Dalmia, Dalmiapuram
443	14-08-2024	TN 28 AK 3435	36.98	Dalmia, Dalmiapuram
444	14-08-2024	TN 52 AA 2617	27.375	Orient Karnataka-Chittapur, Gulbarga
445	14-08-2024	TN 52 AB 4208	30.22	Orient Karnataka-Chittapur, Gulbarga
446	16-08-2024	TN 28 AJ 5969	44.03	Dalmia, Dalmiapuram
447	16-08-2024	TN 28 AJ 3610	33.58	Dalmia, Dalmiapuram
448	16-08-2024	TN 52 P 6127	30.585	Orient Karnataka-Chittapur, Gulbarga
449	17-08-2024	TN 28 AE 5697	37.02	Dalmia, Dalmiapuram
450	18-08-2024	TN 52 AB 4006	29.715	Orient Karnataka-Chittapur, Gulbarga
451	19-08-2024	TN 88 E 6411	34.68	Dalmia, Dalmiapuram
452	20-08-2024	TN 28 AB 5837	31.1	Dalmia, Dalmiapuram
453	20-08-2024	TN 28 BC 6915	37.59	Dalmia, Dalmiapuram
454	20-08-2024	TN 48 AX 9455	27.175	Dalmia, Dalmiapuram
455	21-08-2024	TN 11 L 9768	46.76	Dalmia, Dalmiapuram

456	21-08-2024	TN 28 BB 6732	44.92	Dalmia, Dalmiapuram
457	21-08-2024	TN 88 D 0164	38.86	Dalmia, Dalmiapuram
458	22-08-2024	TN 88 L 0236	42.27	Dalmia, Dalmiapuram
459	22-08-2024	TN 2 AE 5697	44.89	Dalmia, Dalmiapuram
460	22-08-2024	TN 88 J 7654	47.99	Dalmia, Dalmiapuram
461	22-08-2024	TN 42 AD 1189	28.76	Dalmia, Dalmiapuram
462	22-08-2024	TN 52 AB 4208	30.5	Orient Karnataka-Chittapur, Gulbarga
463	23-08-2024	TN 28 BA 1710	36.2	Dalmia, Dalmiapuram
464	23-08-2024	TN 38 CD 6116	35.67	Dalmia, Dalmiapuram
465	23-08-2024	TN 28 AK 3435	43.89	Dalmia, Dalmiapuram
466	23-08-2024	TN 28 BA 4622	43.74	Dalmia, Dalmiapuram
467	23-08-2024	KA 01 AK 3368	43.77	Dalmia, Dalmiapuram
468	24-08-2024	TN 52 AB 4070	35.25	Orient Karnataka-Chittapur, Gulbarga
469	24-08-2024	TN 52 AB 4020	34.845	Orient Karnataka-Chittapur, Gulbarga
470	24-08-2024	TN 52 L 1192	30.66	Orient Karnataka-Chittapur, Gulbarga
471	25-08-2024	TN 42 AX 3288	36.01	Dalmia, Dalmiapuram
472	25-08-2024	TN 42 AX 3498	40.01	Dalmia, Dalmiapuram
473	25-08-2024	TN 28 AB 5837	29.81	Dalmia, Ariyalur
474	25-08-2024	TN 28 AF 7710	41.92	Dalmia, Dalmiapuram
475	26-08-2024	TN 42 AX 3468	33.72	Dalmia, Dalmiapuram
476	26-08-2024	TN 52 P 7497	43.22	Dalmia, Dalmiapuram
477	26-08-2024	TN 42 AX 3279	44.18	Dalmia, Dalmiapuram
478	26-08-2024	TN 28 AJ 9187	50.66	Dalmia, Dalmiapuram
479	26-08-2024	TN 28 AC 5697	42.42	Dalmia, Dalmiapuram
480	26-08-2024	TN 38 CD 7700	28.52	Dalmia, Ariyalur
481	27-08-2024	TN 88 J 6897	47.17	Dalmia, Ariyalur
482	27-08-2024	TN 52 P 6127	38.895	Dalmia, Ariyalur
483	27-08-2024	KA 01 AJ 9396	28.795	Dalmia, Ariyalur
484	27-08-2024	TN 88 D 0164	36.4	Dalmia, Ariyalur
485	28-08-2024	TN 88 K 1265	42.77	Dalmia, Ariyalur
486	28-08-2024	TN 28 AJ 7012	50.57	Dalmia, Ariyalur
487	28-08-2024	TN 48 AX 9455	21.02	Dalmia, Ariyalur
488	28-08-2024	TN 52 M 4901	31.14	Orient Karnataka-Chittapur, Gulbarga
489	29-08-2024	TN 28 BA 4622	50	Dalmia, Ariyalur
490	29-08-2024	TN 28 BA 1710	31.37	Dalmia, Ariyalur
491	29-08-2024	TN 11 L 9768	45.16	Dalmia, Ariyalur
492	29-08-2024	TN 28 BB 6732	47.85	Dalmia, Ariyalur
493	30-08-2024	TN 28 AJ 3610	38.93	Dalmia, Ariyalur
494	30-08-2024	TN 05 AK 3605	46.89	Dalmia, Ariyalur
495	30-08-2024	TN 88 E 6411	28.85	Dalmia, Ariyalur
496	30-08-2024	TN 52 AA 3364	26.8	Orient Karnataka-Chittapur, Gulbarga
497	31-08-2024	TN 36 BV 4329	33.36	Dalmia, Ariyalur
498	31-08-2024	TN 38 CD 7700	43.48	Dalmia, Ariyalur
499	31-08-2024	TN 28 BA 0406	41.11	Dalmia, Ariyalur

500	31-08-2024	TN 28 AK 3435	44.47	Dalmia, Ariyalur
501	31-08-2024	TN 38 CD 6116	38.57	Dalmia, Ariyalur
502	31-08-2024	TN 61 M 9717	24.4	Dalmia, Ariyalur
503	31-08-2024	TN 97 X 1749	31.5	Dalmia, Ariyalur
504	02-09-2024	TN 36 BV 3884	34.625	Dalmia, Ariyalur
505	02-09-2024	TN 36 BV 3805	40.44	Dalmia, Ariyalur
506	02-09-2024	TN 28 AJ 9187	50.48	Dalmia, Ariyalur
507	02-09-2024	KA 01 AK 3368	39.63	Dalmia, Ariyalur
508	02-09-2024	TN 88 K 1265	45.93	Dalmia, Ariyalur
509	02-09-2024	TN 48 AX 9455	30.8	Dalmia, Ariyalur
510	02-09-2024	TN 28 AK 4797	37.47	Dalmia, Ariyalur
511	03-09-2024	TN 59 BW 8105	28.82	Dalmia, Ariyalur
512	03-09-2024	TN 47 AU 6206	30.55	Dalmia, Ariyalur
513	03-09-2024	TN 52 B 9329	28.9	Dalmia, Ariyalur
514	03-09-2024	TN 28 AJ 3610	39.57	Dalmia, Ariyalur
515	03-09-2024	TN 05 AK 3605	47.59	Dalmia, Ariyalur
516	03-09-2024	TN 28 BA 4622	46.89	Dalmia, Dalmiapuram
517	03-09-2024	TN 52 AA 3346	31.105	Orient Karnataka-Chittapur, Gulbarga
518	03-09-2024	TN 52 AB 3998	30.36	Orient Karnataka-Chittapur, Gulbarga
519	04-09-2024	TN 34 U 9734	32.195	Dalmia, Ariyalur
520	04-09-2024	TN 28 AF 7710	49.1	Dalmia, Ariyalur
521	04-09-2024	TN 28 AH 2364	44.71	Dalmia, Ariyalur
522	04-09-2024	TN 39 DA 7774	39.89	Dalmia, Ariyalur
523	04-09-2024	IN 11 L 9768	45.59	Dalmia, Ariyalur
524	04-09-2024	TN 18 Q 7666	35.89	Dalmia, Ariyalur
525	05-09-2024	TN 47 AH 3061	41.96	Dalmia, Ariyalur
526	05-09-2024	TN 69 BH 1175	42.545	Dalmia, Ariyalur
527	05-09-2024	TN 29 BH 3699	36.385	Dalmia, Ariyalur
528	05-09-2024	TN 38 CD 6116	41	Dalmia, Ariyalur
529	05-09-2024	TN 38 CD 7700	42.73	Dalmia, Ariyalur
530	05-09-2024	TN 28 AK 3435	47.68	Dalmia, Dalmiapuram
531	06-09-2024	TN 28 AJ 5969	50.74	Dalmia, Dalmiapuram
532	06-09-2024	TN 88 J 6997	46.32	Dalmia, Dalmiapuram
533	06-09-2024	TN 88 J 7276	49.27	Dalmia, Dalmiapuram
534	06-09-2024	TN 28 BA 0406	38.12	Dalmia, Ariyalur
535	06-09-2024	TN 69 BJ 1275	34.905	Dalmia, Ariyalur
536	06-09-2024	TN 69 BF 8575	31.075	Dalmia, Ariyalur
537	06-09-2024	TN 69 BF 8675	32.58	Dalmia, Ariyalur
538	06-09-2024	TN 81 M 9717	28.48	Dalmia, Ariyalur
539	06-09-2024	TN 28 AJ 9828	44.61	Dalmia, Dalmiapuram
540	06-09-2024	TN 28 AM 3102	52.58	Dalmia, Dalmiapuram
541	06-09-2024	TN 88 J 6468	46.86	Dalmia, Dalmiapuram
542	06-09-2024	TN 88 J 6986	57.9	Dalmia, Dalmiapuram
543	06-09-2024	TN 52 AR 4006	31.6	Orient Karnataka-Chittapur, Gulbarga

544	07-09-2024	TN 62 J 5375	35.65	Dalmia, Ariyalur
545	07-09-2024	TN 52 B 9329	27.35	Dalmia, Ariyalur
546	07-09-2024	TN 42 M 1875	36.9	Dalmia, Ariyalur
547	07-09-2024	TN 69 BF 9575	39.17	Dalmia, Ariyalur
548	07-09-2024	TN 42 AX 3468	37.18	Dalmia, Ariyalur
549	07-09-2024	TN 88 J 9294	41.85	Dalmia, Ariyalur
550	07-09-2024	TN 28 BA 1710	39.94	Dalmia, Dalmiapuram
551	07-09-2024	TN 69 BC 9030	31.605	Dalmia, Ariyalur
552	07-09-2024	TN 48 AX 9455	28.53	Dalmia, Ariyalur
553	07-09-2024	TN 69 BC 9010	33.62	Dalmia, Ariyalur
554	08-09-2024	TN 52 R 4331	29.62	Orient Karnataka-Chittapur, Gulbarga
555	08-09-2024	TN 52 AA 2617	31.525	Orient Karnataka-Chittapur, Gulbarga
556	08-09-2024	TN 52 AA 2462	29.97	Orient Karnataka-Chittapur, Gulbarga
557	09-09-2024	TN 59 BW 8105	27.05	Dalmia, Ariyalur
558	09-09-2024	TN 28 AJ 7012	41.21	Dalmia, Ariyalur
559	09-09-2024	TN 69 BH 1675	31.375	Dalmia, Ariyalur
560	09-09-2024	TN 69 BC 9585	29.175	Dalmia, Ariyalur
561	09-09-2024	TN 97 X 1749	41.555	Dalmia, Ariyalur
562	10-09-2024	TN 28 AB 5837	41.15	Dalmia, Ariyalur
563	10-09-2024	TN 69 BJ 1275	34.005	Dalmia, Ariyalur
564	10-09-2024	TN 69 BC 9500	32.655	Dalmia, Ariyalur
565	10-09-2024	TN 28 AJ 1810	42.9	Dalmia, Ariyalur
566	10-09-2024	TN 28 AJ 9187	42.69	Dalmia, Ariyalur
567	10-09-2024	TN 52 AB 4089	30.555	Orient Karnataka-Chittapur, Gulbarga
568	11-09-2024	TN 69 BF 8675	35.6	Dalmia, Ariyalur
569	11-09-2024	TN 69 BF 8575	37.015	Dalmia, Ariyalur
570	11-09-2024	TN 69 BF 9475	36.31	Dalmia, Ariyalur
571	11-09-2024	TN 69 BH 1175	37.06	Dalmia, Ariyalur
572	11-09-2024	TN 88 K 1265	38	Dalmia, Ariyalur
573	11-09-2024	KA 01 AK 3368	49.42	Dalmia, Dalmiapuram
574	11-09-2024	KA 01 AM 1183	30.85	Dalmia, Ariyalur
575	12-09-2024	TN 69 AP8913	30.71	Dalmia, Dalmiapuram
576	12-09-2024	TN 69 AP 8904	31.13	Dalmia, Dalmiapuram
577	12-09-2024	TN 47 AH 3061	53.32	Dalmia, Dalmiapuram
578	12-09-2024	TN 11 L 9768	44.66	Dalmia, Dalmiapuram
579	12-09-2024	KA 01 AJ 9396	28.755	Dalmia, Ariyalur
580	12-09-2024	TN 69 BH 1675	33.33	Dalmia, Dalmiapuram
581	12-09-2024	TN 52 P 6127	32.24	Orient Karnataka-Chittapur, Gulbarga
582	13-09-2024	TN 88 J 3688	50.05	Dalmia, Dalmiapuram
583	13-09-2024	TN 69 BC 9010	32.435	Dalmia, Dalmiapuram
584	13-09-2024	TN 88 D 5131	42.18	Dalmia, Dalmiapuram
585	13-09-2024	TN 52 J 5375	31.48	Dalmia, Ariyalur
586	13-09-2024	TN 97 X 1749	31.48	Dalmia, Ariyalur
587	13-09-2024	TN 52 AB 4075	34.5	Orient Karnataka-Chittapur, Gulbarga

588	13-09-2024	TN 52 AB 4006	31.68	Orient Karnataka-Chittapur,Gulbarga
589	14-09-2024	TN 88 J 6997	44.44	Dalmia, Dalmiapuram
590	14-09-2024	TN 88N J 7279	49.4	Dalmia, Dalmiapuram
591	14-09-2024	TN 48 AX 9455	30	Dalmia, Ariyalur
592	14-09-2024	TN 52 B 9329	28.73	Dalmia, Ariyalur
593	14-09-2024	TN 69 BC 9063	33.59	Dalmia, Dalmiapuram
594	14-09-2024	TN 69 BJ 2775	35.07	Dalmia, Dalmiapuram
595	15-09-2024	TN 28 BA 1710	34.01	Dalmia, Dalmiapuram
596	15-09-2024	TN 52 L 8548	31.03	Orient Karnataka-Chittapur,Gulbarga
597	16-09-2024	TN 28 AK 4797	45.81	Dalmia, Dalmiapuram
598	16-09-2024	TN 52 AB 4070	35.24	Orient Karnataka-Chittapur,Gulbarga
599	16-09-2024	TN 52 M 5371	24.835	Orient Karnataka-Chittapur,Gulbarga
600	17-09-2024	TN 88 J 6675	43.85	Dalmia, Dalmiapuram
601	18-09-2024	TN 88 P 9090	28.365	Dalmia, Dalmiapuram
602	18-09-2024	TN 69 BH 1675	28.115	Dalmia, Dalmiapuram
603	18-09-2024	TN 48 CZ 1181	39.61	Dalmia, Dalmiapuram
604	19-09-2024	TN 28 AH 5656	43.41	Dalmia, Dalmiapuram
605	19-09-2024	TN 52 AA 2620	29.7	Orient Karnataka-Chittapur,Gulbarga
606	20-09-2024	TN 28 AJ 1810	38.61	Dalmia, Dalmiapuram
607	20-09-2024	TN 52 AB 4020	35.445	Orient Karnataka-Chittapur,Gulbarga
608	21-09-2024	TN 28 AM 3102	47.88	Dalmia, Dalmiapuram
609	22-09-2024	TN 52 M 6030	32.245	Orient Karnataka-Chittapur,Gulbarga
610	22-09-2024	TN 52 AB 4006	32.505	Orient Karnataka-Chittapur,Gulbarga
611	22-09-2024	TN 52 AA 2462	32.17	Orient Karnataka-Chittapur,Gulbarga
612	23-09-2024	TN 48 AX 9455	30.28	Dalmia, Dalmiapuram
613	23-09-2024	TN 52 P 6557	32.2	Orient Karnataka-Chittapur,Gulbarga
614	23-09-2024	TN 52 L 1192	32.055	Orient Karnataka-Chittapur,Gulbarga
615	24-09-2024	TN 52 B 9329	27.345	Dalmia, Dalmiapuram
616	24-09-2024	TN 48 CZ 1181	49.7	Dalmia, Dalmiapuram
617	25-09-2024	TN 52 AA 3346	30.28	Dalmia, Dalmiapuram
618	25-09-2024	TN 52 AB 4208	31.065	Dalmia, Dalmiapuram
619	25-09-2024	TN 05 AK 3605	50.9	Dalmia, Dalmiapuram
620	25-09-2024	TN 88 K 3772	54.79	Dalmia, Dalmiapuram
621	25-09-2024	TN 88 J 7654	45.8	Dalmia, Ariyalur
622	26-09-2024	TN 52 AB 4089	30.73	Dalmia, Dalmiapuram
623	26-09-2024	TN 52 AA 2617	30.385	Dalmia, Dalmiapuram
624	26-09-2024	TN 28 BA 4622	50.04	Dalmia, Dalmiapuram
625	26-09-2024	TN 69 BF 9575	34.44	Dalmia, Dalmiapuram
626	26-09-2024	TN 97 X 1749	34.67	Dalmia, Ariyalur
627	26-09-2024	TN 69 BH 1175	35.345	Dalmia, Dalmiapuram
628	26-09-2024	TN 28 AL 9396	54.72	Dalmia, Dalmiapuram
629	27-09-2024	TN 28 AJ 3610	46.72	Dalmia, Dalmiapuram
630	27-09-2024	TN 48 AX 9455	25.74	Dalmia, Ariyalur
631	27-09-2024	TN 69 BJ 1375	41.82	Dalmia, Dalmiapuram
632	27-09-2024	TN 42 AM 1875	37.95	Dalmia, Dalmiapuram

633	28-09-2024	TN 69 BF 9475	40	Dalmia, Dalmiapuram
634	28-09-2024	TN 47 AH 3061	50.57	Dalmia, Ariyalur
635	28-09-2024	TN 88 E 6411	44.85	Dalmia, Ariyalur
636	28-09-2024	TN 28 AB 5837	35.78	Dalmia, Ariyalur
637	28 00 2024	TN 09 DJ 1275	37.795	Dalmia, Dalmiapuram
638	28-09-2024	TN 28 AK 4797	47.37	Dalmia, Dalmiapuram
639	29-09-2024	TN 52 B 9329	28.3	Dalmia, Ariyalur
640	29-09-2024	TN 28 AJ 9549	51.27	Dalmia, Dalmiapuram
641	29-09-2024	TN 28 AJ 1810	51.24	Dalmia, Dalmiapuram
642	30-09-2024	TN 28 AJ 9828	51.08	Dalmia, Dalmiapuram
643	30 09 2024	TN 45 BP 4250	60.11	Dalmia, Dalmiapuram
644	30-09-2024	TN 48 CZ 1181	54.12	Dalmia, Dalmiapuram
645	30-09-2024	TN 52 J 5375	34.565	Dalmia, Ariyalur
646	01-10-2024	TN 97 X 1749	26.07	Dalmia, Ariyalur
647	01-10-2024	TN 88 J 7654	43.63	Dalmia, Dalmiapuram
648	01-10-2024	TN 88 D 5131	43.12	Dalmia, Dalmiapuram
649	02-10-2024	TN 05 AK 3605	54.49	Dalmia, Dalmiapuram
650	02-10-2024	TN 28 AK 3435	48.75	Dalmia, Dalmiapuram
651	02-10-2024	TN 48 AX 9455	30	Dalmia, Dalmiapuram
652	03-10-2024	TN 47 AH 3061	42.68	Dalmia, Dalmiapuram
653	05-10-2024	TN 48 CZ 1181	52.08	Dalmia, Dalmiapuram
654	07-10-2024	TN 28 BA 1710	34.7	Dalmia, Dalmiapuram
655	08-10-2024	TN 52 B 9329	28.95	Dalmia, Dalmiapuram
656	08-10-2024	TN 88 E 6411	37.84	Dalmia, Dalmiapuram
657	09-10-2024	TN 28 AJ 9828	42.96	Dalmia, Dalmiapuram
658	09-10-2024	TN 28 AJ 1810	44.4	Dalmia, Dalmiapuram
659	09-10-2024	TN 28 AJ 3610	42.26	Dalmia, Dalmiapuram
660	12-10-2024	TN 28 AK 4797	44.87	Dalmia, Dalmiapuram
661	12-10-2024	TN 47 AH 3061	49.51	Dalmia, Dalmiapuram
662	12-10-2024	TN 28 BC 6114	40.52	Dalmia, Dalmiapuram
663	12-10-2024	TN 52 M 6030	32.09	Orient Karnataka-Chittapur, Gulbarga
664	12-10-2024	TN 52 AB 4006	32.95	Orient Karnataka-Chittapur, Gulbarga
665	14-10-2024	TN 28 AJ 7012	49.86	Dalmia, Dalmiapuram
666	14-10-2024	TN 57 AK 7627	30.865	Dalmia, Dalmiapuram
667	14-10-2024	TN 52 P 6557	32.63	Orient Karnataka-Chittapur, Gulbarga
668	14-10-2024	TN 52 L 8548	29.925	Orient Karnataka-Chittapur, Gulbarga
669	15-10-2024	TN 28 AH 5789	56.08	Dalmia, Dalmiapuram
670	15-10-2024	TN 28 E 5004	23.105	Dalmia, Ariyalur
671	15-10-2024	TN 31 J 0868	26.48	Dalmia, Ariyalur
672	15-10-2024	TN 28 BA 0406	43.19	Dalmia, Ariyalur
673	15-10-2024	TN 88 D 5131	41.76	Dalmia, Ariyalur
674	15-10-2024	TN 52 AA 2617	33.675	Orient Karnataka-Chittapur, Gulbarga
675	15-10-2024	TN 52 AB 4208	30.615	Orient Karnataka-Chittapur, Gulbarga
676	15-10-2024	TN 52 AB 4089	31.13	Orient Karnataka-Chittapur, Gulbarga

677	16-10-2024	TN 48 Z 4586	28.605	Dalmia, Ariyalur
678	16-10-2024	TN 28 AJ 9187	48.47	Dalmia, Dalmiapuram
679	16-10-2024	TN 30 AT 2154	29.79	Dalmia, Ariyalur
680	17-10-2024	TN 88 E 6411	42.84	Dalmia, Ariyalur
681	17-10-2024	TN 28 BA 1710	35.35	Dalmia, Dalmiapuram
682	17-10-2024	AP 39 T 7759	30.005	Dalmia, Dalmiapuram
683	17-10-2024	TN 52 DA 0695	31.77	Dalmia, Dalmiapuram
684	17-10-2024	TN 47 AF 2979	43.61	Dalmia, Dalmiapuram
685	17-10-2024	TN 47 AF 3631	43.54	Dalmia, Dalmiapuram
686	18-10-2024	TN 20 AJ 0020	51.35	Dalmia, Dalmiapuram
687	18-10-2024	TN 88 A 2305	27.455	Dalmia, Ariyalur
688	18-10-2024	TN 36 BV 7220	47.055	Dalmia, Ariyalur
689	18-10-2024	TN 47 AH 3061	50.17	Dalmia, Ariyalur
690	18-10-2024	TN 28 AK 4797	48.72	Dalmia, Ariyalur
691	18-10-2024	TN 36 BV 3803	37.72	Dalmia, Ariyalur
692	19-10-2024	TN 48 CZ 1181	51.95	Dalmia, Dalmiapuram
693	19-10-2024	TN 28 BA 4622	47.9	Dalmia, Dalmiapuram
694	19-10-2024	TN 97 X 1749	35.95	Dalmia, Ariyalur
695	19-10-2024	TN 61 M 9717	30.9	Dalmia, Ariyalur
696	19-10-2024	TN 88 D 5131	41.87	Dalmia, Ariyalur
697	20-10-2024	TN 28 AH 5789	55.45	Dalmia, Dalmiapuram
698	20-10-2024	TN 20 AJ 5969	48.9	Dalmia, Dalmiapuram
699	20-10-2024	TN 52 B 9329	31.25	Dalmia, Ariyalur
700	20-10-2024	KA 01 AM 1183	30.87	Dalmia, Ariyalur
701	20-10-2024	TN 52 AC 2357	31.885	Dalmia, Ariyalur
702	20-10-2024	TN 28 BA 0406	41.95	Dalmia, Ariyalur
703	20-10-2024	TN 28 AJ 7012	47.72	Dalmia, Dalmiapuram
704	22-10-2024	TN 52 L 1192	34.155	Dalmia, Dalmiapuram
705	22-10-2024	TN 48 Z 4586	31.4	Dalmia, Dalmiapuram
706	23-10-2024	TN 24 AD 8199	36.965	Dalmia, Dalmiapuram
707	23-10-2024	TN 28 AJ 9187	42.81	Dalmia, Dalmiapuram
708	23-10-2024	TN 48 AX 9455	28.65	Dalmia, Dalmiapuram
709	23-10-2024	TN 28 BC 6114	36.44	Dalmia, Dalmiapuram
710	23-10-2024	TN 52 J 5375	37.825	Dalmia, Ariyalur
711	23-10-2024	TN 47 AH 3061	50.78	Dalmia, Dalmiapuram
712	24-10-2024	TN 28 AK 3435	43.22	Dalmia, Dalmiapuram
713	24-10-2024	TN 28 AJ 1810	46.19	Dalmia, Dalmiapuram
714	24-10-2024	TN 36 BV 7220	41.58	Dalmia, Ariyalur
715	24-10-2024	TN 48 CZ 1181	45.93	Dalmia, Dalmiapuram
716	24-10-2024	TN 52 AB 4006	34.335	Dalmia, Dalmiapuram
717	24-10-2024	TN 39 DB 1116	56.16	Dalmia, Ariyalur
718	24-10-2024	TN 28 AK 4797	48.01	Dalmia, Dalmiapuram
719	25-10-2024	TN 39 DC 3331	45.53	Dalmia, Ariyalur
720	25-10-2024	TN 28 BA 1710	34.515	Dalmia, Ariyalur

721	25-10-2024	TN 30 AT 2154	31.335	Dalmia, Ariyalur
722	25-10-2024	TN 58 R 4331	34.695	Dalmia, Ariyalur
723	25-10-2024	TN 28 BA 4622	46.9	Dalmia, Dalmiapuram
724	25-10-2024	TN 37 DA 7710	35.67	Dalmia, Ariyalur
725	26-10-2024	TN 52 B 9328	30.85	Dalmia, Dalmiapuram
726	26-10-2024	TN 28 BA 0406	43.23	Dalmia, Dalmiapuram
727	26-10-2024	TN 61 M 9717	32.63	Dalmia, Dalmiapuram
728	26-10-2024	TN 36 BV 4178	35.07	Dalmia, Dalmiapuram
729	26-10-2024	TN 23 CP 8802	30.505	Dalmia, Dalmiapuram
730	26-10-2024	KA 01 AL 8105	30.595	Dalmia, Dalmiapuram
731	26-10-2024	KA 40 A 2222	38.48	Dalmia, Dalmiapuram
732	26-10-2024	TN 30 A 3902	24.175	Dalmia, Dalmiapuram
733	26-10-2024	TN 28 AJ 5969	42.22	Dalmia, Dalmiapuram
734	26-10-2024	TN 52 L 1192	32.495	Dalmia, Dalmiapuram
735	27-10-2024	TN 28 AJ 7012	44.02	Dalmia, Dalmiapuram
736	27-10-2024	TN 47 AH 3061	51.64	Dalmia, Dalmiapuram
737	27-10-2024	TN 28 AJ 9187	52.37	Dalmia, Dalmiapuram
738	28-10-2024	TN 48 AX 9455	29.515	Dalmia, Ariyalur
739	28-10-2024	TN 48 CZ 1181	51	Dalmia, Dalmiapuram
740	28-10-2024	TN 52 J 5375	37.07	Dalmia, Dalmiapuram
741	28-10-2024	TN 28 AL 9396	46.27	Dalmia, Dalmiapuram
742	28-10-2024	TN 36 BV 7220	42.4	Dalmia, Dalmiapuram
743	28-10-2024	TN 30 AT 2154	35.195	Dalmia, Dalmiapuram
744	29-10-2024	TN 28 AK 4797	50.63	Dalmia, Dalmiapuram
745	29-10-2024	TN 47 AF 3631	46.53	Dalmia, Dalmiapuram
746	29-10-2024	TN 28 BA 8867	37.33	Dalmia, Dalmiapuram
747	29-10-2024	TN 28 BC 6114	38.8	Dalmia, Dalmiapuram
748	29-10-2024	NL 01 AD 4575	47.75	Dalmia, Dalmiapuram
749	29-10-2024	NL 01 AD 4587	50.68	Dalmia, Dalmiapuram
750	29-10-2024	TN 88 D 5131	42.18	Dalmia, Dalmiapuram
751	30-10-2024	TN 28 BA 1710	33.12	Dalmia, Dalmiapuram
752	30-10-2024	TN 28 BA 0406	43.74	Dalmia, Dalmiapuram
753	30-10-2024	TN 88 J 3688	46.06	Dalmia, Dalmiapuram
754	02-11-2024	TN 28 AJ 9187	49.66	Dalmia, Ariyalur
755	03-11-2024	TN 28 BC 6114	36.96	Dalmia, Ariyalur
756	03-11-2024	TN 61 M 9717	30.68	Dalmia, Ariyalur
757	03-11-2024	TN 88 J 3688	48.18	Dalmia, Dalmiapuram
758	03-11-2024	TN 52 P 6557	31.75	Dalmia, Ariyalur
759	04-11-2024	TN 52 AB 4075	32.945	Dalmia, Ariyalur
760	05-11-2024	TN 97 X 1749	35.66	Dalmia, Ariyalur
761	05-11-2024	TN 47 AH 3061	47.19	Dalmia, Dalmiapuram
762	05-11-2024	TN 28 AJ 7012	47.93	Dalmia, Dalmiapuram
763	06-11-2024	TN 52 B 9329	30.45	Dalmia, Ariyalur
764	06-11-2024	TN 46 V 7102	33.5	Dalmia, Dalmiapuram

765	06-11-2024	TN 28 AJ 9187	51	Dalmia, Dalmiapuram
766	07-11-2024	TN 88 K 3772	48.76	Dalmia, Dalmiapuram
767	07-11-2024	TN 28 BA 0406	46.21	Dalmia, Ariyalur
768	07-11-2024	TN 88 E 6411	44.93	Dalmia, Ariyalur
769	07-11-2024	TN 28 AB 5837	45.64	Dalmia, Dalmiapuram
770	07-11-2024	TN 28 6114	42.24	Dalmia, Dalmiapuram
771	07-11-2024	TN 47 AF 2917	47.42	Dalmia, Dalmiapuram
772	07-11-2024	TN 47 AF 3631	47.42	Dalmia, Dalmiapuram
773	07-11-2024	TN 52 J 5375	36.685	Dalmia, Ariyalur
774	07-11-2024	TN 28 AJ 9828	52.52	Dalmia, Dalmiapuram
775	08-11-2024	TN 30 AT 2154	32.42	Dalmia, Dalmiapuram
776	08-11-2024	TN 29 BS 3063	37.615	Dalmia, Ariyalur
777	08-11-2024	TN 97 X 1749	41.22	Dalmia, Ariyalur
778	09-11-2024	TN 28 BC 6915	49.8	Dalmia, Dalmiapuram
779	09-11-2024	TN 69 BJ 1375	41.795	Dalmia, Ariyalur
780	09-11-2024	TN 28 AK 4797	48.67	Dalmia, Dalmiapuram
781	09-11-2024	TN 28 AK 6386	54.55	Dalmia, Dalmiapuram
782	09-11-2024	TN 28 AJ 7012	49.7	Dalmia, Dalmiapuram
783	09-11-2024	TN 45 BP 4250	42.7	Dalmia, Dalmiapuram
784	09-11-2024	TN 28 AJ 3610	47.35	Dalmia, Ariyalur
785	09-11-2024	KA 52 A 6485	35.78	Dalmia, Dalmiapuram
786	09-11-2024	TN 28 AJ 9549	54.72	Dalmia, Dalmiapuram
787	09-11-2024	TN 29 BU 1860	27	Dalmia, Ariyalur
788	09-11-2024	TN 88 L 1750	45.75	Dalmia, Dalmiapuram
789	10-11-2024	TN 52 D 4897	31.075	Dalmia, Ariyalur
790	10-11-2024	TN 47 AH 3061	52.5	Dalmia, Ariyalur
791	10-11-2024	TN 69 RH 1175	39.85	Dalmia, Ariyalur
792	10-11-2024	TN 66 BC 9010	38.42	Dalmia, Ariyalur
793	11-11-2024	TN 28 AH 6696	22.465	Dalmia, Ariyalur
794	11-11-2024	TN 12 H 9652	23.695	Dalmia, Ariyalur
795	11-11-2024	TN 28 AJ 1810	42.82	Dalmia, Dalmiapuram
796	11-11-2024	TN 28 AK 3435	38.2	Dalmia, Dalmiapuram
797	11-11-2024	TN 47 AF 2979	47.51	Dalmia, Dalmiapuram
798	11-11-2024	TN 30AT 2154	32.29	Dalmia, Dalmiapuram
799	11-11-2024	TN 28 AJ 9187	52.07	Dalmia, Ariyalur
800	11-11-2024	TN 28 BA 0406	40.78	Dalmia, Ariyalur
801	12-11-2024	TN 48 CZ 1181	48.46	Dalmia, Dalmiapuram
802	12-11-2024	TN 88 E 6411	42.23	Dalmia, Ariyalur
803	12-11-2024	TN 47 AF 3631	44.65	Dalmia, Dalmiapuram
804	12-11-2024	TN 52 B 9329	32.57	Dalmia, Ariyalur
805	12-11-2024	TN 28 AJ 9828	47.36	Dalmia, Dalmiapuram
806	12-11-2024	TN 47 AF 2917	44.28	Dalmia, Ariyalur
807	12-11-2024	TN 28 BC 6114	48.1	Dalmia, Ariyalur
808	13-11-2024	TN 52 AA 2462	32.19	Dalmia, Ariyalur

809	13-11-2024	TN 52 J 5375	34.61	Dalmia, Ariyalur
810	13-11-2024	TN 69 BC 9500	38.465	Dalmia, Ariyalur
811	13-11-2024	TN 28 AM 4510	45	Dalmia, Dalmiapuram .
812	13-11-2024	TN 42 AQ 5275	33.5	Dalmia, Ariyalur
813	13-11-2024	TN 66 J 9088	36.65	Dalmia, Ariyalur
814	14-11-2024	TN 52 D 6559	29.68	Dalmia, Ariyalur
815	14-11-2024	TN 52 F 4560	28.76	Dalmia, Ariyalur
816	14-11-2024	TN 52 AA 2620	38.59	Dalmia, Ariyalur
817	14-11-2024	TN 28 AK 4797	51.91	Dalmia, Dalmiapuram
818	14-11-2024	TN 47 AH 3061	51.48	Dalmia, Dalmiapuram
819	14-11-2024	TN 28 AH 5789	52.93	Dalmia, Dalmiapuram
820	14-11-2024	TN 45 BP 4250	52.68	Dalmia, Dalmiapuram
821	14-11-2024	TN 28 AL 9396	44.55	Dalmia, Dalmiapuram
822	14-11-2024	TN 28 AJ 7012	45.9	Dalmia, Dalmiapuram
823	15-11-2024	KA 52 A 5693	40.85	Dalmia, Dalmiapuram
824	15-11-2024	KA 52 A 6485	53.9	Dalmia, Dalmiapuram
825	15-11-2024	TN 69 BK 1375	48.215	Dalmia, Ariyalur
826	15-11-2024	TN 97 X 1749	34.65	Dalmia, Ariyalur
827	15-11-2024	TN 45 BQ 1973	53.18	Dalmia, Dalmiapuram
828	15-11-2024	TN 69 BC 9010	36.18	Dalmia, Ariyalur
829	16-11-2024	TN 19 U 0904	33.155	Dalmia, Ariyalur
830	16-11-2024	TN 36 AV 4798	30.825	Dalmia, Ariyalur
831	16-11-2024	TN 70 L 2853	32.62	Dalmia, Ariyalur
832	16-11-2024	TN 52 P 7497	48.215	Dalmia, Ariyalur
833	16-11-2024	TN 28 AJ 9549	59.02	Dalmia, Dalmiapuram
834	16-11-2024	TN 47 AF 3631	55.87	Dalmia, Dalmiapuram
835	16-11-2024	TN 47 AF 2979	51.52	Dalmia, Dalmiapuram
836	16-11-2024	TN 88 D 5131	44.42	Dalmia, Dalmiapuram
837	16-11-2024	TN 30 AT 2154	33.72	Dalmia, Dalmiapuram
838	16-11-2024	TN 88 J 7654	51.23	Dalmia, Dalmiapuram
839	16-11-2024	TN 28 BC 6114	44.66	Dalmia, Dalmiapuram
840	16-11-2024	TN 88 J 6675	69.66	Dalmia, Dalmiapuram
841	16-11-2024	TN 48 CZ 1181	58.34	Dalmia, Dalmiapuram
842	16-11-2024	TN 28 AJ 9828	53.3	Dalmia, Dalmiapuram
843	16-11-2024	TN 88 J 3688	63.9	Dalmia, Dalmiapuram
844	17-11-2024	TN 28 AJ 9187	57.12	Dalmia, Dalmiapuram
845	17-11-2024	TN 52 B 9329	33.22	Dalmia, Ariyalur
846	17-11-2024	TN 45 BP 4288	52.03	Dalmia, Dalmiapuram
847	18-11-2024	TN 19 U 4898	31.5	Dalmia, Ariyalur
848	18-11-2024	TN 88 E 6411	46.85	Dalmia, Dalmiapuram
849	18-11-2024	TN 04 AY 4401	45.92	Dalmia, Ariyalur
850	19-11-2024	TN 28 AK 4799	58.87	Dalmia, Dalmiapuram
851	19-11-2024	TN 29 AV 3488	30.595	Dalmia, Ariyalur
852	19-11-2024	TN 28 AH 5789	58.87	Dalmia, Dalmiapuram

853	20-11-2024	TN 28 P 9705	27.375	Dalmia, Ariyalur
854	20-11-2024	TN 45 BP 4250	47.39	Dalmia, Dalmiapuram
855	20-11-2024	TN 54 J 4345	39.74	Dalmia, Dalmiapuram
856	20-11-2024	TN 88 K 3975	58.42	Dalmia, Dalmiapuram
857	20-11-2024	TN 28 AJ 7012	54.45	Dalmia, Dalmiapuram
858	20-11-2024	TN 45 BQ 1973	47.85	Dalmia, Dalmiapuram
859	20-11-2024	TN 28 AH 2364	52.42	Dalmia, Dalmiapuram
860	20-11-2024	TN 69 BF 8675	40.85	Dalmia, Ariyalur
861	20-11-2024	TN 69 BJ 1375	43.385	Dalmia, Ariyalur
862	20-11-2024	TN 47 AF 3631	57.6	Dalmia, Dalmiapuram
863	20-11-2024	TN 28 BA 8867	42.31	Dalmia, Ariyalur
864	20-11-2024	TN 28 AM 4510	45.7	Dalmia, Dalmiapuram
865	20-11-2024	TN 47 AF 2979	40.12	Dalmia, Dalmiapuram
866	21-11-2024	TN 52 L 1192	35.74	Dalmia, Ariyalur
867	21-11-2024	TN 52 R 4369	39.655	Dalmia, Ariyalur
868	21-11-2024	TN 88 J 7654	45.78	Dalmia, Ariyalur
869	21-11-2024	TN 28 AK 3435	51.3	Dalmia, Dalmiapuram
870	21-11-2024	TN 88 D 5131	45.85	Dalmia, Ariyalur
871	21-11-2024	TN 28 AH 9310	40.67	Dalmia, Dalmiapuram
872	21-11-2024	TN 48 CZ 1181	55.69	Dalmia, Dalmiapuram
873	21-11-2024	TN 97 X 1749	34.57	Dalmia, Ariyalur
874	21-11-2024	TN 28 AJ 0828	43.90	Dalmia, Dalmiapuram
875	21-11-2024	TN 88 L 1750	39.01	Dalmia, Dalmiapuram
876	21-11-2024	TN 88 J 6675	55.58	Dalmia, Dalmiapuram
877	21-11-2024	TN 48 AX 9455	30.1	Dalmia, Ariyalur
878	21-11-2024	TN 28 AB 8967	47.22	Dalmia, Dalmiapuram
879	22-11-2024	TN 28 BC 6114	42.15	Dalmia, Dalmiapuram
880	22-11-2024	TN 88 A 7800	30.26	Dalmia, Ariyalur
881	22-11-2024	TN 88 J 3688	53.63	Dalmia, Dalmiapuram
882	22-11-2024	TN 47 AF 2917	50.8	Dalmia, Dalmiapuram
883	22-11-2024	TN 45 BP 4288	46.32	Dalmia, Dalmiapuram
884	22-11-2024	TN 28 AJ 9187	54.79	Dalmia, Dalmiapuram
885	22-11-2024	TN 28 AF 7074	34.16	Dalmia, Ariyalur
886	22-11-2024	TN 28 AJ 9549	54.92	Dalmia, Dalmiapuram
887	22-11-2024	TN 45 BP 4266	46.3	Dalmia, Dalmiapuram
888	22-11-2024	TN 28 BJ 4835	52.08	Dalmia, Dalmiapuram
889	23-11-2024	TN 52 B 9329	29.68	Dalmia, Ariyalur
890	23-11-2024	TN 70 W 8916	32.66	Dalmia, Ariyalur
891	23-11-2024	TN 28 BC 6915	49.59	Dalmia, Dalmiapuram
892	23-11-2024	TN 28 AJ 3610	42.69	Dalmia, Dalmiapuram
893	23-11-2024	TN 69 BF 9475	38.51	Dalmia, Ariyalur
894	23-11-2024	KA 52 A 6485	53.91	Dalmia, Dalmiapuram
895	23-11-2024	TN 86 A 1444	31.295	Dalmia, Ariyalur
896	23-11-2024	TN 28 AK 4797	53.71	Dalmia, Dalmiapuram

897	23-11-2024	TN 88 E 6411	43.57	Dalmia, Dalmiapuram
898	23-11-2024	TN 54 J 4345	48.42	Dalmia, Dalmiapuram
899	23-11-2024	TN 66 J 9088	36.9	Dalmia, Ariyalur
900	23-11-2024	TN 61 AA 2341	33.295	Dalmia, Ariyalur
901	23-11-2024	TN 10 BU 6205	39.31	Dalmia, Ariyalur
902	23-11-2024	TN 52 H 9420	41.3	Dalmia, Ariyalur
903	24-11-2024	TN 52 E 1816	33.81	Dalmia, Ariyalur
904	24-11-2024	TN 23 CJ 3290	36.375	Dalmia, Ariyalur
905	24-11-2024	TN 47 AF 2979	54.91	Dalmia, Dalmiapuram
906	24-11-2024	TN 28 AJ 1810	45.59	Dalmia, Dalmiapuram
907	24-11-2024	TN 45 BQ 1973	46.32	Dalmia, Dalmiapuram
908	24-11-2024	TN 88 K 3975	56.2	Dalmia, Dalmiapuram
909	25-11-2024	TN 28 AH 2364	53.08	Dalmia, Dalmiapuram
910	25-11-2024	TN 28 AH 5789	60.09	Dalmia, Dalmiapuram
911	25-11-2024	KA 52 A 6484	51.81	Dalmia, Dalmiapuram
912	25-11-2024	TN 28 AK 3435	48.15	Dalmia, Dalmiapuram
913	25-11-2024	TN 28 AF 3631	44.35	Dalmia, Dalmiapuram
914	25-11-2024	TN 28 AH 9310	36.44	Dalmia, Dalmiapuram
915	25-11-2024	TN 31 CD 9994	24.16	Dalmia, Ariyalur
916	25-11-2024	TN 19 BA 6998	42.39	Dalmia, Dalmiapuram
917	25-11-2024	TN 19 BA 6989	45.18	Dalmia, Dalmiapuram
918	25-11-2024	TN 31 CR 9994	34.985	Dalmia, Ariyalur
919	25-11-2024	TN 19 AB 1023	34.925	Dalmia, Ariyalur
920	25-11-2024	TN 91 Q 5347	28.195	Dalmia, Ariyalur
921	26-11-2024	NL 01 AD 5011	47.3	Dalmia, Dalmiapuram
922	26-11-2024	TN 28 AK 6386	52.10	Dalmia, Dalmiapuram
923	26-11-2024	TN 97 X 1749	36.51	Dalmia, Ariyalur
924	26-11-2024	KA 52 A 5693	45.89	Dalmia, Dalmiapuram
925	26-11-2024	TN 48 CZ 1181	56.21	Dalmia, Dalmiapuram
926	26-11-2024	TN 52 J 5375	40.00	Dalmia, Ariyalur
927	26-11-2024	NL 01 AD 4611	51.77	Dalmia, Dalmiapuram
928	26-11-2024	TN 28 BK 6643	48.16	Dalmia, Dalmiapuram
929	26-11-2024	TN 88 L 1750	43.13	Dalmia, Dalmiapuram
930	26-11-2024	TN 45 BP 4250	52.26	Dalmia, Dalmiapuram
931	26-11-2024	TN 28 AM 4510	43.95	Dalmia, Ariyalur
932	26-11-2024	TN 54 J 4345	51.84	Dalmia, Dalmiapuram
933	27-11-2024	TN 52 R 4369	32.68	Dalmia, Dalmiapuram
934	27-11-2024	TN 52 L 1192	36.365	Dalmia, Dalmiapuram
935	27-11-2024	TN 28 AM 3102	62.87	Dalmia, Dalmiapuram
936	27-11-2024	TN 88 J 7654	51.09	Dalmia, Dalmiapuram
937	27-11-2024	TN 54 J 6221	46.58	Dalmia, Dalmiapuram
938	27-11-2024	TN 88 K 3772	57.67	Dalmia, Dalmiapuram
939	27-11-2024	TN 61 AA 2341	33.41	Dalmia, Ariyalur
940	27-11-2024	TN 05 AK 3605	50.93	Dalmia, Dalmiapuram

941	27-11-2024	TN 28 AF 7074	36.055	Dalmia, Ariyalur
942	27-11-2024	TN 88 J 3688	48.22	Dalmia, Dalmiapuram
943	27-11-2024	TN 88 D 5131	38.03	Dalmia, Dalmiapuram
944	27-11-2024	TN 28 BJ 4835	48.13	Dalmia, Dalmiapuram
945	27-11-2024	TN 88 C 1215	48.77	Dalmia, Dalmiapuram
946	27-11-2024	TN 30 AT 2154	33.815	Dalmia, Ariyalur
947	27-11-2024	TN 61 K 9468	31.8	Dalmia, Ariyalur
948	27-11-2024	TN 61 F 5395	35.05	Dalmia, Ariyalur
949	27-11-2024	TN 28 AK 4797	50.01	Dalmia, Dalmiapuram
950	27-11-2024	TN 47 AF 3631	55.22	Dalmia, Dalmiapuram
951	27-11-2024	TN 88 AZ 2748	53.54	Dalmia, Dalmiapuram
952	27-11-2024	TN 45 BP 4250	52.99	Dalmia, Ariyalur
953	28-11-2024	TN 52 M 5371	29.23	Dalmia, Dalmiapuram
954	28-11-2024	TN 88 J 6675	60.3	Dalmia, Dalmiapuram
955	28-11-2024	TN 45 BP 4288	49.55	Dalmia, Dalmiapuram
956	28-11-2024	TN 88 E 7457	55.75	Dalmia, Dalmiapuram
957	28-11-2024	TN 70 W 8916	39.48	Dalmia, Ariyalur
958	28-11-2024	TN 47 AF 2917	53.54	Dalmia, Dalmiapuram
959	28-11-2024	TN 28 AB 8967	47.64	Dalmia, Dalmiapuram
960	28-11-2024	TN 28 AJ 9828	52.18	Dalmia, Dalmiapuram
961	28-11-2024	TN 52 E 1816	31.945	Dalmia, Ariyalur
962	28-11-2024	TN 45 BP 4266	51.33	Dalmia, Dalmiapuram
963	28-11-2024	TN 28 BA 0406	44.68	Dalmia, Dalmiapuram
964	28-11-2024	TN 28 AJ 9187	54.21	Dalmia, Dalmiapuram
965	28-11-2024	TN 88 A 7800	30.94	Dalmia, Ariyalur
966	28-11-2024	TN 52 B 9329	31.52	Dalmia, Ariyalur
967	28-11-2024	TN 47 AF 2979	52.44	Dalmia, Dalmiapuram
968	28-11-2024	TN 28 AJ 9549	63.29	Dalmia, Dalmiapuram
969	28-11-2024	TN 45 BQ 1973	52.09	Dalmia, Dalmiapuram
970	28-11-2024	KA 52 A 6484	53.26	Dalmia, Dalmiapuram
971	28-11-2024	TN 48 CZ 1181	51.86	Dalmia, Dalmiapuram
972	28-11-2024	TN 28 AH 2364	41.73	Dalmia, Dalmiapuram
973	28-11-2024	TN 28 AJ 1810	49.22	Dalmia, Dalmiapuram
974	28-11-2024	KA 52 A 5693	50.58	Dalmia, Dalmiapuram
975	30-11-2024	NL 01 AD 4587	49.77	Dalmia, Ariyalur
976	30-11-2024	TN 28 AH 5656	50.49	Dalmia, Ariyalur
977	30-11-2024	KA 52 A 6485	54.47	Dalmia, Dalmiapuram
978	30-11-2024	TN 88 E 6411	45.3	Dalmia, Ariyalur
979	30-11-2024	TN 36 BV 3805	48.2	Dalmia, Ariyalur
980	30-11-2024	KA 51 AG 1137	31.155	Dalmia, Ariyalur
981	30-11-2024	KA 01 AM 1183	29.275	Dalmia, Ariyalur
982	30-11-2024	TN 36 BV 7427	44.595	Dalmia, Ariyalur
983	01-12-2024	TN 97 AX 1749	40.53	Dalmia, Ariyalur
984	01-12-2024	TN 54 J 6221	44.43	Dalmia, Ariyalur

985	01-12-2024	TN 28 AK 6386	47.76	Dalmia, Ariyalur
986	01-12-2024	TN 28 AJ 4110	36.5	Dalmia, Ariyalur
987	01-12-2024	TN 88 K 3975	49.01	Dalmia, Dalmiapuram
988	02-12-2024	TN 28 AK 3435	50.87	Dalmia, Ariyalur
989	02-12-2024	TN 45 BP 4288	47.15	Dalmia, Ariyalur
990	02-12-2024	TN 88 E 7457	49.55	Dalmia, Ariyalur
991	02-12-2024	TN 88 L 1750	45.65	Dalmia, Ariyalur
992	03-12-2024	TN 52 J 5375	44.46	Dalmia, Ariyalur
993	03-12-2024	TN 28 BK 6643	49.24	Dalmia, Ariyalur
994	03-12-2024	TN 70 W 8916	35.335	Dalmia, Ariyalur
995	03-12-2024	TN 52 M 5371	29.57	Dalmia, Ariyalur
996	03-12-2024	TN 28 AF 7710	44.7	Dalmia, Ariyalur
997	03-12-2024	TN 52 F 9213	40.18	Dalmia, Ariyalur
998	03-12-2024	TN 31 CF 9524	34.225	Dalmia, Ariyalur
999	04-12-2024	AP 39 W 1050	32.45	Dalmia, Ariyalur
1000	04-12-2024	TN 28 BK 1287	54.28	Dalmia, Ariyalur
1001	04-12-2024	TN 23 CF 7277	25.74	Dalmia, Ariyalur
1002	04-12-2024	TN 97 V 5859	38.31	Dalmia, Ariyalur
1003	04-12-2024	TN 97 X 1749	44.06	Dalmia, Ariyalur
1004	04-12-2024	TN 45 BQ 1973	53.65	Dalmia, Ariyalur
1005	04-12-2024	TN 47 AH 3061	54.17	Dalmia, Ariyalur
1006	04-12-2024	TN 28 AJ 9828	53.17	Dalmia, Ariyalur
1007	04-12-2024	TN 61 AA 2341	39.11	Dalmia, Ariyalur
1008	04-12-2024	TN 31 CD 9994	35.205	Dalmia, Ariyalur
1009	04-12-2024	TN 91 Q 5347	29.22	Dalmia, Ariyalur
1010	04-12-2024	TN 28 AH 5789	60.77	Dalmia, Dalmiapuram
1011	05-12-2024	TN 31 CR 9994	34.035	Dalmia, Ariyalur
1012	05-12-2024	TN 47 AF 2979	55.74	Dalmia, Ariyalur
1013	05-12-2024	TN 52 AB 4006	43.91	Dalmia, Ariyalur
1014	05-12-2024	TN 47 AF 2917	58.24	Dalmia, Dalmiapuram
1015	05-12-2024	TN 52 L 1192	36.945	Dalmia, Ariyalur
1016	05-12-2024	TN 28 AB 8967	46.97	Dalmia, Ariyalur
1017	05-12-2024	TN 28 AJ 3610	48.55	Dalmia, Ariyalur
1018	05-12-2024	TN 66 J 9088	33.815	Dalmia, Ariyalur
1019	05-12-2024	TN 88 J 7654	57.28	Dalmia, Ariyalur
1020	05-12-2024	TN 52 R 4369	41.36	Dalmia, Ariyalur
1021	05-12-2024	TN 28 BA 0406	53.79	Dalmia, Ariyalur
1022	05-12-2024	TN 31 CH 8421	32.71	Dalmia, Ariyalur
1023	05-12-2024	TN 31 CH 9937	35.485	Dalmia, Ariyalur
1024	05-12-2024	TN 31 CF 9524	39.775	Dalmia, Ariyalur
1025	05-12-2024	TN 31 CR 8388	35.385	Dalmia, Ariyalur
1026	05-12-2024	TN 88 C 1215	52.46	Dalmia, Ariyalur
1027	05-12-2024	KA 01 AM 1183	34.41	Dalmia, Ariyalur
<b>Total</b>			<b>40458</b>	

**Consolidate RDF disposal log during this claim period**

<b>S. no</b>	<b>Cement Facctory</b>	<b>Total</b>
1	Dalmia Cements	37567.17
2	My Home Industries Kumool Dist Andhra	750.82
3	Orient Karnataka-Chittapur, Gulbarga	2001.6
4	Chettinad cement Corporation Private Limited, Puliur Cement Factory, Karur	138.075
	<b>Total</b>	<b>40457.665</b>

**Sample Delivery chalan regarding the disposal of RDF to  
M/s Chettinad cements, Orient Cements and M/s Dalmia  
Cements**



**DELIVERY CHALLAN**

**D.J.G. ENERGY SOLUTIONS (P) LTD.,**

BIOMINING PROJECT,  
VELLALORE COMPOST PLANT,  
COIMBATORE- 641023

GSTIN: 33AAHCD1339B129  
Phone: 9003990233

<b>Delivery Challan #</b>	<b>Order Date #</b>	<b>Dispatch Date #</b>
1729	08 February 2024	08 February 2024

**Bill To:**  
Dalmia Bharat Limited  
Ariyalur  
Tamilnadu

**Challan Date :** 08 February 2024  
**Ref #**  
**PO NUMBER** 7300000498  
**DJG Vendor Code :** 1240118343

ITEM DESCRIPTION	Size	QTY (T)	volume (Cu.m)	TAXABLE VALUE	CGST		SGST		IGST	
					RATE	AMT.	RATE	AMT.	RATE	AMT.
RDF retrieved from Municipal Solid Waste (Refused Derived Fuel)	UN SHREDDED	28.760								

Sub Total: 0  
Total Tax: 0  
Rounded Off: 0  
Grand Total: 0

SKA TRANSPORTS

Notes: Vehicle number TN28AH 9310

**NOT FOR SALE**

For D.J.G ENERGY SOLUTIONS (P) LTD .

Authorised Signatory  
*[Signature]*  
2/24



Receiver Signature



**DELIVERY CHALLAN**

D.J.G.ENERGY SOLUTIONS [P] LTD

BIOMINING PROJECT,  
VELLALORE COMPOST PLANT,  
COIMBATORE- 641023

GSTIN: 33AAHCD1339B1Z9  
Phone: 9003990233

Delivery Challan # DC- 28	Order Date # 18 February 2024	Dispatch Date # 18 February 2024
------------------------------	----------------------------------	-------------------------------------

**Bill To:** Chettinad Cement Corporation Private Limited  
Challan Date: 18 February 2024  
Ref #

Anyalur Cement Factory Keelapalur -621707 Tamilnadu GSTIN: 33AAACC3130A1Z0	PO NUMBER 110001858 ITEM CODE 10 MATERIAL SERVICES 9102990901 DJG Vendor Code : 4200061
---	--

SR No.	ITEM DESCRIPTION	Size	QTY (T)	PRICE/TEM	TAXABLE VALUE	CGST		SGST		IGST	
						RATE	AMT.	RATE	AMT.	RATE	AMT.
1	RDF retrieved from Municipal Solid Waste (Refused Derived Fuel)	SHREDDED	22.495	0	0						

Sub Total: 0  
Total Tax: 0  
Rounded Off: 0  
Grand Total: 0

HSN TRANSPORT

Notes: Vehicle number -TN36BV 9943

**NOT FOR SALE**

For D.J.G.ENERGY SOLUTIONS [P] LTD.

Authorised Signatory  
*[Handwritten Signature]*



*S. Kanagaraj*  
Receiver Signature  
6381649697



**DELIVERY CHALLAN**

D.J.G.ENERGY SOLUTIONS (P)  
LTD.,

BIOMINING PROJECT,  
VELLALORE COMPOST PLANT,  
COIMBATORE- 641023

GSTIN 33AAHCD1339B1Z9  
Phone: 9003990233

Delivery Challan # 80	Order Date # 13 March 2024	Dispatch Date # 13 March 2024
--------------------------	-------------------------------	----------------------------------

**Bill To:**  
Orient Cement Limited  
Chittapur, Gulbarga  
Karnataka  
PIN: 585211  
PH: 8454921166

**Challan Date :** 13 March 2024  
**Ref**  
**PO NUMBER** 8410015498  
**DIG Vendor Code :** 1240118343

SR No.	ITEM DESCRIPTI	Size	QTY (T)	volume (Cu.m)	TAXABL E VALUE	CGST RATE   AMT.	SGST RATE   AMT.	IGST RATE   AMT.
1	plastic waste	75 MM	30.125					

Sub Total 0  
Total Tax 0  
Rounded Off 0  
Grand Total 0

Sri Jaisakthi Roadlines TRANSPORT

Notes: Vehicle number TN 52AB 4070 **NOT FOR SALE**

For D.J.G ENERGY SOLUTIONS (P) LTD.

Authorised Signatory



Receiver Signature

96555 69 335



**DELIVERY CHALLAN**

D.J.G. ENERGY SOLUTIONS (P) LTD.,

BIOMINING PROJECT,  
VELLALORE COMPOST PLANT,  
COIMBATORE- 641023

GSTIN: 33AAHCD1339B1Z9  
Phone: 9003990233

Delivery Challan # 1751	Order Date # 08 March 2024	Dispatch Date # 08 March 2024
----------------------------	-------------------------------	----------------------------------

Bill To:  
Dalmia Bharat Limited  
Dalmiapuram  
Tiruchy  
Tamilnadu

Challan Date : 08 March 2024  
Ref # 45338  
PO NUMBER: 4480001254  
GSTIN:  
D.J.G Vendor Code : 1240115343

SR No.	ITEM DESCRIPTION	Size	QTY (T)	volume (Cu m)	TAXABLE VALUE	CGST		SGST		IGST	
						RATE	AMT.	RATE	AMT.	RATE	AMT.

1	RDF retrieved from Municipal Solid Waste (Refused Derived Fuel)	SHREDDED	10.295		0						
---	---	----------	--------	--	---	--	--	--	--	--	--

Sub Total: 0  
Total Tax: 0  
Rounded Off: 0  
Grand Total: 0

HSH TRANSPORTS

Notes: Vehicle numbe TN 47 BB 0935 NOT FOR SALE

To: D.J.G. ENERGY SOLUTIONS (P) LTD.,

Authorized Signatory

*[Handwritten Signature]*  
1/8/24



Receiver Signature

## RDF Coprocessing certificate provided by cement plants



Ref No : CCCPL/AFR/DJG/2023-24/02  
Date : 04.11.2023

To Whom So Ever It May Be Concerned

Co Processing Certificate

This is to certify that, Shredded RDF from MSW received through M/s. D.J.G Energy Solutions Private LTD, NO 2, NO 3 Malony Road, T.Nagar, Chennai-600017 has been Co- processed at our Plant cement kiln located at Ariyalur-Trichy Road, Keelapalur Post, Ariyalur Dist. - 621 707 Tamilnadu as per the Guidelines prescribed by CPCB / TNPCB for Co-Processing.

Gate Pass No. & Date	Material Description	Vehicle Reg. No.	Month & Year	Quantity in MT
Receipt details as enclosed as Annexure-1	Shredded RDF = MSW received from Colmbatore	As Enclosed	Oct-2023	364.680

For & Behalf of Chettinad Cement Corporation Private Limited

Name : M. Jagadeesan  
Designation : GM - Operation

Seat:

Encl: Annexure 1



**Chettinad Cement Corporation Private Limited**  
(formerly Chettinad Cement Corporation Limited)  
Ariyalur Trichy Road, Keelapalur Post,  
Ariyalur Dist - 621707, Tamilnadu, India.  
T + 91 4329 250009  
F + 91 4329 250014, 250013

CIN : U93090TN1962PTC004947  
Regd. Office : Rani Seetha Hall Building,  
603, Anna Salai, Chennai - 600 006.  
T + 91 44 2829 2727, 42951800 (100 lines)  
F + 91 44 2829 1558

E : ariyalur@chettinadcement.com  
www.chettinad.com



Ref No : CCCPL/AFR/DJG/2023-24/03  
Date : 04.12.2023

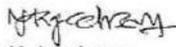
To Whom So Ever It May Be Concerned

Co Processing Certificate

This is to certify that, Shredded RDF from MSW received through M/s. D.J.G Energy Solutions Private Ltd, NO 2, NO 3 Malony Road, T.Nagar, Chennai-600017 has been Co- processed at our Plant cement kiln located at Ariyalur-Trichy Road, Keelapalur Post, Ariyalur Dist. - 621 707 Tamilnadu as per the Guidelines prescribed by CPCB / TNPCB for Co-Processing.

Gate Pass No. & Date	Material Description	Vehicle Reg. No.	Month & Year	Quantity in MT
Receipt details as enclosed as Annexure-1	Shredded RDF - MSW received from Coimbatore	As Enclosed	Nov-2023	33.400

For & Behalf of Chettinad Cement Corporation Private Limited

  
Name : M. Jagadeesan  
Designation : GM - Operation

Seal:

Encl: An



Chettinad Cement Corporation Private Limited  
(formerly Chettinad Cement Corporation Limited)  
Ariyalur Trichy Road, Keelapalur Post,  
Ariyalur Dist - 621707, Tamilnadu, India.  
T + 91 4329 250009  
F + 91 4329 250011, 250013

CIN : U93090TN1962PTC004947  
Regd. Office : Rani Seethal Hall Building,  
603, Anna Salai, Chennai - 600 006.  
T + 91 44 2829 2727, 42951800 (100 lines)  
F + 91 44 2829 1558

E : ariyalur@chettinadcement.com  
www.chettinad.com

Ref No : CCCPL/AFR/DJG/2023-24/01  
Date : 16.10.2023



To Whom So Ever It May Be Concerned  
Co Processing Certificate

This is to certify that, Shredded RDF from MSW received from Trichy through M/s. D.J.G Energy Solutions Private LTD, NO 2, NO.3, Malony Road, T.Nagar, Chennai-600017 has been Co- processed at our Plant cement kiln located at Ariyalur-Trichy Road, Keelapalur Post, Ariyalur Dist. - 621 707 Tamilnadu as per the Guidelines prescribed by CPCB / TNPCB for Co-Processing.

Gate Pass No. & Date	Material Description	Vehicle Reg. No.	Month & Year	Quantity in MT
Receipt details as enclosed as Annexure-1	Shredded RDF - MSW received from Coimbatore	As Enclosed	Sep-2023	114.0

For & Behalf of Chettinad Cement Corporation Private Limited

Name : *M. Jagadeesan*  
Designation : GM - Operation

Seal:

Encl: Annexure-1



Chettinad Cement Corporation Private Limited  
Ariyalur Trichy Road, Keelapalur Post,  
Ariyalur Dist. - Ariyalur, Tamilnadu India  
T + 91 4329 250009  
F + 91 4329 250009

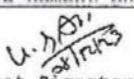
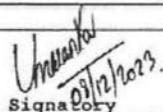
CIN : U30200 TN962911004547  
Regd Office : Chettinad Towers,  
No: 45/3/38B - 1, Anna Salai,  
T + 91 44 2829 2727, 42931800 (100 lines)  
F + 91 44 2829 1153

E : ariyalur@chettinadcement.com  
www.chettinad.com

**Dalmia**  
cement  
FUTURE TODAY

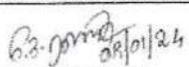
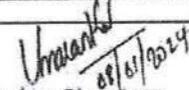
Ref No. : 130123110001418  
Date: 05.12.2023

Supply Date	Vehicle No.	Challan No.	Source City	Source State	Supplied Qty	Received Qty
29.11.2023	KA19AD3594	1301	COIMBATORE	TAMIL NADU	28.650	28.600
30.11.2023	TN28AE6743	1303	COIMBATORE	TAMIL NADU	38.920	38.440
30.11.2023	TN47BA9985	1304	COIMBATORE	TAMIL NADU	25.625	25.360
<b>Total Qty</b>					<b>2,232.510</b>	<b>2,220.540</b>

For Dalmia Cement Bharat Ltd	
 First Signatory	 Approving Signatory

**DALMIA CEMENT (BHARAT) LIMITED**  
 DCBL FACTORY DALMIAPURAM, DALMIAPURAM, TIRUCHIRAPALLE, , Tamil Nadu-621651, India,  
 www.dalmiacement.com, CIN: U65191TN1996PLC035963  
 Registered Office: Dalmia Cement (Bharat) Limited, Dalmiapuram, Dist:Thiruchirappalli, ,  
 Tiruchirappalli, Tamil Nadu-621651, India

Supply Date	Vehicle No.	Challan No.	Source City	Source State	Supplied Qty	Received Qty
23.12.2023	TN47BB6725	1386	COIMBATORE	TAMIL NADU	29.840	29.640
28.12.2023	KA01AJ9396	1417	COIMBATORE	TAMIL NADU	35.615	35.280
25.12.2023	KA01AB4226	1400	COIMBATORE	TAMIL NADU	30.060	29.600
23.12.2023	TN28BB6732	1394	COIMBATORE	TAMIL NADU	47.290	46.460
24.12.2023	TN88C9098	1398	COIMBATORE	TAMIL NADU	37.670	36.980
24.12.2023	TN47AH3061	1397	COIMBATORE	TAMIL NADU	46.210	45.880
24.12.2023	TN28AJ3610	1379	COIMBATORE	TAMIL NADU	43.510	43.100
25.12.2023	TN88A7593	1401	COIMBATORE	TAMIL NADU	44.310	44.440
24.12.2023	TN45BQ1938	1395	COIMBATORE	TAMIL NADU	41.170	40.640
26.12.2023	TN47AK7141	1404	COIMBATORE	TAMIL NADU	54.330	53.600
26.12.2023	TN28AE8743	1402	COIMBATORE	TAMIL NADU	48.330	47.800
27.12.2023	TN28AB5937	1405	COIMBATORE	TAMIL NADU	49.850	49.320
27.12.2023	TN88J3688	1406	COIMBATORE	TAMIL NADU	51.770	51.600
27.12.2023	TN47BA9985	1403	COIMBATORE	TAMIL NADU	31.840	31.640
28.12.2023	KA01AB4226	1420	COIMBATORE	TAMIL NADU	31.590	31.380
28.12.2023	TN78A75969	1416	COIMBATORE	TAMIL NADU	51.750	51.340
28.12.2023	TN52D9320	1421	COIMBATORE	TAMIL NADU	26.875	26.340
27.12.2023	TN48AX9455	1413	COIMBATORE	TAMIL NADU	30.990	30.660
27.12.2023	TN47BB0391	1409	COIMBATORE	TAMIL NADU	25.460	25.220
28.12.2023	TN28AE5697	1427	COIMBATORE	TAMIL NADU	51.470	51.560
29.12.2023	TN45BQ1938	1428	COIMBATORE	TAMIL NADU	42.780	42.220
29.12.2023	TN28AK3435	1434	COIMBATORE	TAMIL NADU	44.320	44.180
29.12.2023	TN28AJ1810	1430	COIMBATORE	TAMIL NADU	50.060	51.100
29.12.2023	TN88A7593	1433	COIMBATORE	TAMIL NADU	38.410	38.400
29.12.2023	TN47AT2412	1436	COIMBATORE	TAMIL NADU	35.000	36.480
29.12.2023	TN28AHS937	1438	COIMBATORE	TAMIL NADU	40.800	40.150
29.12.2023	TN88K1265	1437	COIMBATORE	TAMIL NADU	49.350	49.220
30.12.2023	TN88J9706	1440	COIMBATORE	TAMIL NADU	43.500	43.400
30.12.2023	TN28BB6732	1439	COIMBATORE	TAMIL NADU	46.050	45.340
30.12.2023	TN28AE8743	1448	COIMBATORE	TAMIL NADU	40.830	40.460
30.12.2023	KA01AJ9396	1447	COIMBATORE	TAMIL NADU	30.410	29.860
30.12.2023	TN11L9768	1449	COIMBATORE	TAMIL NADU	39.870	39.280
<b>Total Qty</b>					<b>3,526.530</b>	<b>3,500.320</b>

For Dalmia Cement Bharat Ltd	
 P. S. Jagan 06/01/2024 Plant Manager	 Anand 06/01/2024 Approving Manager

**DALMIA CEMENT (BHARAT) LIMITED**  
 DCBL FACTORY DALMIAPURAM, DALMIAPURAM, TIRUCHIRAPPALLI, Tamil Nadu-621031, India,  
 www.dalmiacement.com, CIN: U65191TN1996PLC035963  
 Registered Office: Dalmia Cement (Bharat) Limited, Dalmiapuram, Dist: Tiruchirappalli, ,  
 Tiruchirappalli, Tamil Nadu-621651, India

**RDF Co processing certificate for this claim**

Ref No : CCCPL/AFR/DJG/2024 25/01  
Date : 13.05.2024



To Whom So Ever It May Be Concerned

**Co Processing Certificate**

This is to certify that, Shredded RDF from MSW received through M/s. D.J.G Energy Solutions Private LTD, NO 2, NO 3 Malony Road, I.Nagar, Chennai-600017 has been Co processed at our Plant cement kiln located at Ariyalur-Trichy Road, Keelapalur Post, Ariyalur Dist. - 621 707 Tamilnadu as per the Guidelines prescribed by CPCU / INCB for Co-Processing.

Gate Pass No. & Date	Material Description	Vehicle Reg. No.	Month & Year	Quantity in MT
Receipt details as enclosed as Annexure-1	Shredded RDF - MSW received from Coimbatore	As Enclosed	Apr-24	20.360

For & Behalf of Chettinad Cement Corporation Private Limited

Name : M. Jagadeesan  
Designation : GM - Operation

Seal:

Encl: Annexure-1

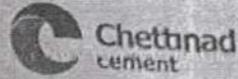


Chettinad Cement Corporation Private Limited  
(formerly Chettinad Cement Corporation Limited)  
Ariyalur Trichy Road, Keelapalur Post,  
Ariyalur Dist - 621707, Tamilnadu, India.  
91 4329 250009  
01 4329 250017, 250013

CIN : U93090TN1962PTC004947  
Regd. Office : Ram Seethal Hall Building,  
603, Anna Salai, Chennai - 600 006.  
T + 91 44 2829 2727, 42951800 (100 lines)  
F + 91 44 2829 1558  
E : ariyalur@chettinadcement.com  
www.chettinad.com

Ref No : CCCPL/AFR/DJG/2023-24/06

Date : 06.04.2024



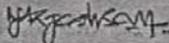
To Whom So Ever It May Be Concerned

## Co Processing Certificate

This is to certify that, Shredded RDF from MSW received through M/s. D.J.G Energy Solutions Private LTD, NO 2, NO 3 Malony Road, T.Nagar, Chennai-600017 has been Co-processed at our Plant cement kiln located at Ariyalur-Trichy Road, Keelapalur Post, Ariyalur Dist. - 621 707 Tamilnadu as per the Guidelines prescribed by CPCB / TNPCB for Co-Processing.

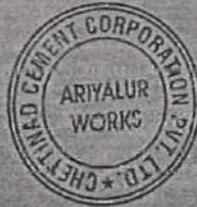
Gate Pass No. & Date	Material Description	Vehicle Reg. No.	Month & Year	Quantity in MT
Receipt details as enclosed as Annexure-1	Shredded RDF - MSW received from Coimbatore	As Enclosed	Mar-24	28.760

For &amp; Behalf of Chettinad Cement Corporation Private Limited

  
Name : M. Jagadeesan  
Designation : GM - Operation

Seal:

Encl: Annexure-1



**Chettinad Cement Corporation Private Limited**  
(formerly Chettinad Cement Corporation Limited)  
Ariyalur, Trichy Road, Keelapalur Post,  
Ariyalur Dist - 621707, Tamilnadu, India.  
F + 91 4329 250009

CIN : U93090TN1962PTC004947  
Regd. Office : Rani Seethai Hall Building,  
603, Anna Salai, Chennai - 600 006.  
T + 91 44 2829 2727, 42951800 (100 lines)  
F + 91 44 2829 1558

E : ariyalur@chettinadce  
www.chettinad.com



Ref: OCL/ENV/2024-25/ 888

Date: 18/05/2024

To,  
DJG ENERGY SOLUTIONS PVT LTD  
NO.3, MALONY ROAD, T. NAGAR,  
CHENNAI-600017,  
TAMIL NADU.

Dear Sir,

Sub: Utilization of Plastic Waste from M/s DJG ENERGY SOLUTIONS PVT LTD for co processing in Kiln - Reg.

Ref: Vide PO NO: 8410016661

\*\*\*\*\*

As mentioned in the above cited subject & vide Reference, M/s Orient Cement Ltd, Chittapur would like to bring your kind notice that, we have procured 294.500 MT of Plastic Waste in the month of April-2024 for co-processing in cement kiln from your handling & processing site.

The lifting & disposal of Plastic Waste for Co-processing will be a continual process as per the PO, M/s OCL will always extend its support for this social & ethical cause.

Enclosed the co processing certificate for your kind perusal.

Thanking you,

Yours faithfully  
For Orient Cement Ltd,

  
Santosh Kumar Sharma  
Vice President - Operation



**CERTIFICATE OF CO-PROCESSING**

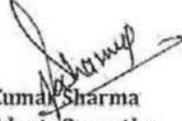
This is to certify that we have received the following quantities of Plastic Waste sent by M/s. DJG Energy Solutions Private Limited, Chennai for Co-processing in our Cement Kiln located at M/s Orient Cement Limited (Unit: Chittapur, Dist Gulbarga Karnataka) for the month of April-2024. The same would be safely and completely disposed-off in accordance with the provisions of applicable laws.

**Waste Name: Plastic Waste**

**Waste Quantity (Tons): 294.500**

S. No.	Date	DC. No	Vehicle No	Net Qty (Tons)
1	10.04.2024	5004247591	TN52P5798	24.380
2	13.04.2024	5004248868	TN52AB4075	33.620
3	10.04.2024	5001256010	TN52AA2620	29.420
4	22.04.2024	5004260122	TN52P5798	25.540
5	22.04.2024	5004263055	TN52AB3998	32.240
6	25.04.2024	5004265794	TN52AA2617	29.760
7	28.04.2024	5004266923	TN52AB4006	30.120
8	28.04.2024	5004267055	TN52AB4020	29.980
9	30.04.2024	5004275639	TN52M8397	31.480
10	30.04.2024	5004276803	TN52AB4208	31.120
			<b>Total</b>	<b>294.500</b>

For M/s Orient Cement Ltd., Chittapur

  
 Santosh Kumar Sharma  
 Vice President- Operation

**Orient cement limited**

Itga PO, Malkhed Road, Chittapur Taluq, Gulbarga – 585292, Karnataka, India. +91 08474 236716 (1000)  
 Registered office: Unit VIII, Plot No.7, Bholnagar, Bhubaneswar, Odisha 751012, India [www.orientcement.com](http://www.orientcement.com)  
 CIN No: L26940OR2011PLC013933

Acknowledgement letter for Bioearth

பயோ எர்த் வாங்கியதற்கான கடிதம்

அனுப்புனர்:

GIP  
VELLALORE,  
COIMBATORE.

பெருநர்:

DJG ENERGY SOLUTIONS PVT LTD  
கோயம்பத்தூர் குப்பை கிடங்கு,  
வெள்ளூர்,  
கோயம்பத்தூர்.

பொருள்:

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் பயோ மீனிங்  
சைட்டில் இருந்து பயோ எர்த் தொடர்பாக:-

ஐயா:

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் BIO MINING முறையில்  
இருந்து வரும் பயோ எர்த் சாயில் (BIO EARTH SOIL) இலவசமாக  
வாங்கியுள்ளேன்

குறிப்பு:

வாங்கிய அளவு: 766.775 டான்  
வாங்கிய மாதம்: அக்டோபர் முதல் மார்ச் வரை

இப்படிக்கு

தங்கள் உண்மையுள்ள

**Acknowledgement letter for Coarse Soil**

FROM

RAVIKANNAN,  
ASSISTANT ENGINEER,  
COIMBATORE CITY MUNICIPAL CORPORATION,  
COIMBATORE

TO

THE DIRECTOR,  
CENTRE OF ENVIRONMENTAL STUDIES,  
ANNA UNIVERSITY,  
CHENNAI.

Sub: Coarse Soil @disposal Vellore Compost Yard.

Dear Sir,

We have taken the coarse soil retrieved by, DJG ENERGY SOLUTIONS PVT LTD thruBIO-MINING Process and same has been used at our CCMC Vellore compost Yard for the land fill purpose in and around the new weigh bridge area and the formation of the road, for the period of 18<sup>th</sup> July 2023 to 15<sup>th</sup> October 2023 as per the details furnished below,

This is for your kind info,

MONTH	DISPOSAL OF COARSE SOIL
from 18 <sup>th</sup> JULY -2023 to 31 <sup>st</sup> JULY 2023	203.715(TONS)
AUGUST 2023	6475.620 (TONS)
SEPTEMBER 2023	4838.125 (TONS)
TILL 15 <sup>TH</sup> OCT 2023	7655.960 (TONS)
<b>TOTAL</b>	<b>19173.420(TONS)</b>

  
 ASSISTANT ENGINEER

COARSE SOIL - REPORT		
S.NO	DATE	TONS
1	20-07-2023	113.985
2	27-07-2023	89.73
3	12-08-2023	277.51
4	13-08-2023	601.46
5	14-08-2023	371.135
6	15-08-2023	571.235
7	16-08-2023	367.535
8	17-08-2023	400.355
9	18-08-2023	411.715
10	19-08-2023	487.76
11	21-08-2023	377.17
12	22-08-2023	389.455
13	23-08-2023	660.7
14	24-08-2023	218.87
15	25-08-2023	295.585
16	26-08-2023	298.75
17	28-08-2023	377.385
18	29-08-2023	160.875
19	30-08-2023	211.175
20	01-09-2023	91.25
21	04-09-2023	138.105
22	05-09-2023	63.6
23	06-09-2023	238.735
24	07-09-2023	48.6
25	08-09-2023	162.735
26	11-09-2023	9.165
27	14-09-2023	246.16
28	15-09-2023	206.435
29	16-09-2023	217.27
30	17-09-2023	201.735
31	18-09-2023	274.765
32	19-09-2023	213.615
33	20-09-2023	235.34
34	21-09-2023	196.35
35	22-09-2023	212.315
36	23-09-2023	191.66
37	24-09-2023	202.44
38	25-09-2023	218.22
39	26-09-2023	188.985
40	27-09-2023	217.665
41	28-09-2023	151.64
42	30-09-2023	811.24
43	01-10-2023	658.07

44	02-10-2023	797.275
45	03-10-2023	605.805
46	04-10-2023	615.69
47	05-10-2023	626.665
48	06-10-2023	655.96
49	07-10-2023	638.77
50	08-10-2023	586.2
51	09-10-2023	619.61
52	10-10-2023	517.92
53	11-10-2023	250.42
54	12-10-2023	329.565
55	13-10-2023	312.565
56	14-10-2023	321.04
57	15-10-2023	120.405
	<b>TOTAL</b>	<b>19173.42</b>

**கோர்ஸ் சாயில் வாங்கியதற்கான கடிதம்**

**அனுப்புனர்:**

Ravikumar  
Seenivasanagar,  
Podanur, Coimbatore

**பெருநர்:**

DJG ENERGY SOLUTIONS PVT LTD  
கோயம்பத்தூர் குப்பை கிடங்கு,  
வெள்ளூர்,  
கோயம்பத்தூர்.

**பொருள்:**

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் பயோ மீனிங்  
சைட்டில் இருந்து கோர்ஸ் சாயில் தொடர்பாக:-

**ஐயா:**

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் BIO MINING முறையில்  
இருந்து வரும் கோர்ஸ் சாயில் (COARSE SOIL) லேண்ட் பில்லிங்காக (Low  
laying area- Land filling) வாங்கியுள்ளேன்

**குறிப்பு:**

**இடம்** : பட்டணம், கோயம்பத்தூர்.

**வாங்கிய அளவு:** 1519.70 டன்

**வாங்கிய மாதம்:** 20<sup>th</sup> மே 2024 முதல் 08<sup>th</sup> டிசம்பர் 2024 வரை

**ரவிகுமார்**  
இப்படிக்கு  
தங்கள் உண்மையுள்ள

**Acknowledgement letter for other fractions**

**கழிவு பொருட்கள் வாங்கியதற்கான கடிதம்**

**அனுப்புனர்:**

LOGESHWARAN

மகாலிங்கபுரம்,

வெள்ளூர்,

கோயம்பத்தூர்.

**பெருநர்:**

DJG ENERGY SOLUTIONS PVT LTD

கோயம்பத்தூர் குப்பை கிடங்கு,

வெள்ளூர்,

கோயம்பத்தூர்.

**பொருள்:**

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் பபோ மைனிங் சைட்டில் இருந்து கழிவு பொருட்கள் வாங்கியது தொடர்பாக:-

**ஐயா:**

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் BIO MINING முறையில் இருந்து வரும் கழிவு பொருட்கள் (பாட்டில், தேங்கய்த்தொட்டி, டயர், இரும்பு, பிளாஸ்டிக்) வாங்கியுள்ளேன்

**குறிப்பு:**

வாங்கிய அளவு: 215.705 டன்

அக்டோபர் முதல் மார்ச் வரை

**செனிதன் டன்**

இப்படிக்கு

தங்கள் உண்மையுள்ள

மரக்கட்டை வாங்கியதற்கான கடிதம்

அனுப்புனர்:

SREE SAI HOTEL,  
CHETTIPALAYAM ROAD,  
COIMBATORE

பெருநர்:

DJG ENERGY SOLUTIONS PVT LTD  
கோயம்பத்தூர் குப்பை கிடங்கி,  
வெள்ளலூர்,  
கோயம்பத்தூர்.

பொருள்:

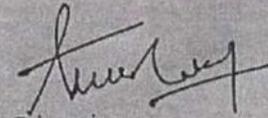
கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் பயோ மைனிங்  
சைட்டில் இருந்து மரக்கட்டை வாங்கியது தொடர்பாக:-

ஐயா:

கோயம்பத்தூர் குப்பை கிடங்கில் இயங்கி வரும் BIO MINING முறையில்  
இருந்து வரும் மரக்கட்டைகளை எரிபொருளாக வாங்கியுள்ளேன்

குறிப்பு:

இடம் : செட்டிபாளையம் ரோடு, கோயம்பத்தூர்  
வாங்கிய அளவு: 6.665 டன்  
வாங்கிய மாதம்: அக்டோபர் முதல் மார்ச் வரை



இப்படிக்கு

தங்கள் உண்மையுள்ள

Acknowledgement letter for Recycled RDF

பிழைப்புகள்:

சிதன் டிஜிட்டல்

No 1786

தெய்வப்பேட்டை கோட்டாள் 25

சித்திரம் 45

கோயம்பேட்டை - 641024

பெயர்:

DJL கிளர்ஷ் தெய்வப்பேட்டை

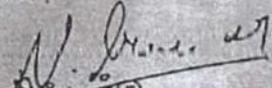
தெய்வப்பேட்டை

தெய்வப்பேட்டை குடியேற்றம்.

கோயம்பேட்டை - 641023

பெயர்:

ஐயா, நான் தெய்வப்பேட்டை நிறுவனத்தை நிர்வகித்து  
வருகிறேன். கடந்த பிப்ரவரி 2024 லாது நான் தயக்கம்  
நிறுவனம் DJL யை கிடைத்து பார்த்தின் செயல்பாடு  
சாத்திரம் தெய்வப்பேட்டை பிப்ரவரி 2024 6:34 PM  
லாது சித்திரம் தெய்வப்பேட்டை தமது நிறுவனம்  
சிதன் டிஜிட்டல் துறைமுகம்.

  
சிதன் டிஜிட்டல்

## Soil test Report for Bio-Earth



### Enviro Solutions & Labs

☐ A5, Cheran Nagar, Off. Mettupalayam Road,  
Kavundampalayam, GN Mills (Post), Coimbatore - 641 029. Tamilnadu.

✉ : info@envislab.com 🌐 : www.envislab.com ☎ : 0422 4200600



#### TEST REPORT

#### Issued To

**M/S. DJG ENERGY SOLUTIONS PVT. LTD,**  
**BIO MINING PROJECT,**  
**VELLALORE COMPOST PLANT,**  
**COIMBATORE - 641 111.**

**Report No. : ESL/2207/S/1551**  
**Report Date : 07.07.2022**  
**Customer Reference : Mail Confirmation**  
**Sample Code : ESL220701**

#### SAMPLE DETAILS

Nature of Sample	Soil	Sample Description	Manure Soil
Sample Collected By	Client	Sample Condition	Good
Sample Received On	01.07.2022	Analysis Started On	01.07.2022
Analysis Completed On	07.07.2022		

S. NO.	PARAMETER	TEST METHOD	RESULTS	UNIT	STANDARDS*
1	pH (at 25°C)	IS:2720 (P-26)1987,RA:2011	7.21	-	6.5 - 7.5
2	Electrical Conductivity	IS:14767,2016(RA 2021)	0.877	mS/cm	--
3	Moisture	IS 15106 : 2002 (RA 2017)	22.9	%	15.0-25.0
4	Bulk Density	FAO Page No. 35. 2007	0.229	kg/m <sup>3</sup>	<1.0
5	Organic Carbon	IS 2720(P- 22)1972(RA 2020)	18.3	%	Min - 12.0
6	Total Nitrogen	IS 14684: 1999 Class 4,	1.3	%	Min - 0.8
7	Total Phosphorus	IS 10158:1982(RA 2019)	0.94	%	Min - 0.4
8	Total Potassium	IS 10158:1982(RA 2019)	0.16	%	Min - 0.4
9	Total Zinc	EPA 3050B/EPA 7000B: 1996	96	mg/kg	1000.00
10	Total Copper	EPA 3050B/EPA 7000B: 1996	49	mg/kg	300.00
11	Total Lead	EPA 3050B/EPA 7000B: 1996	BQL(LOQ:5.0)	mg/kg	100.00
12	Total Nickel	EPA 3050B/EPA 7000B: 1996	BQL(LOQ:5.0)	mg/kg	50.00
13	Total Cadmium	EPA 3050B/EPA7000B: 1996	BQL(LOQ:5.0)	mg/kg	5.00
14	Total Mercury	EPA 7473	BQL(LOQ:1.0)	mg/kg	0.15
15	Total Chromium	EPA 3050B/EPA 7000B: 1996	BQL(LOQ:5.0)	mg/kg	50.00
16	Total Arsenic	EPA 3050B	BQL(LOQ:5.0)	mg/kg	10.00
17	C/N ratio	IS 2720(P- 22)1972(RA 2020)	14.1	%	<20

\* As per Solid Waste Management Rules, 2016 \*Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification



Authorized Signatory  
*I. Ram Ganesan*  
I. Ram Ganesan  
Technical Manager

- The test results relate only to the items tested during the specified time
- The test report shall not be reproduced in full or part without the written approval of ENVISLAB
- The test items will not be retained more than 15 days from the date of issue of the test report unless specifically requested

## Soil test Report for Coarse soil



### Enviro Solutions & Labs

📍 A5, Cheran Nagar, Off. Mettupalayam Road,  
Kavundampalayam, GN Mills (Post), Coimbatore - 641 029, Tamilnadu.

✉: info@envislab.com 🌐: www.envislab.com ☎: 0422 4200600



#### TEST REPORT

**Issued To**

**M/S. DJG ENERGY SOLUTIONS PVT. LTD,  
BIO MINING PROJECT,  
VELLALORE COMPOST PLANT,  
COIMBATORE - 641 111.**

**Report No. : ESL/2207/S/1552**

**Report Date : 07.07.2022**

**Customer Reference : Mail Confirmation**

**Sample Code : ESL220702**

#### SAMPLE DETAILS

Nature of Sample	Soil	Sample Description	Coarse Soil
Sample Collected By	Client	Sample Condition	Good
Sample Received On	01.07.2022	Analysis Started On	01.07.2022
Analysis Completed On	07.07.2022		

S. NO.	PARAMETER	TEST METHOD	RESULTS	UNIT
1	pH (at 25°C)	IS:2720 (P-26)1987,RA:2011	8.21	-
2	Electrical Conductivity	IS:14767,2016(RA 2021)	0.762	mS/cm
3	Moisture	IS 15106 : 2002 (RA 2017)	31.9	%
4	Bulk Density	FAO Page No: 35: 2007	0.319	kg/m <sup>3</sup>
5	Organic Carbon	IS 2720(P- 22)1972(RA 2020)	1.87	%
6	Total Nitrogen	IS 14684: 1999 Class 4,	415	mg/kg
7	Total Phosphorus	IS 10150:1902(RA 2019)	95.7	mg/kg
8	Total Potassium	IS 10150:1902(RA 2019)	1450	mg/kg
9	Total Zinc	EPA 3050B/EPA 7000B: 1996	45	mg/kg
10	Total Copper	EPA 3050B/EPA 7000B: 1996	11	mg/kg
11	Total Lead	EPA 3050B/EPA 7000B: 1996	BQL(LOQ:5.0)	mg/kg
12	Total Nickel	EPA 3050B/EPA 7000B: 1996	BQL(LOQ:5.0)	mg/kg
13	Total Cadmium	EPA 3050B/EPA7000B: 1996	BQL(LOQ:5.0)	mg/kg
14	Total Mercury	EPA 7473	BQL(LOQ:1.0)	mg/kg
15	Total Chromium	EPA 3050B/EPA 7000B: 1996	BQL(LOQ:5.0)	mg/kg
16	Total Arsenic	EPA 3050B	BQL(LOQ:5.0)	mg/kg
17	C/N ratio	IS 2720(P- 22)1972(RA 2020)	45.1	%

\* Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



Authorized Signatory

*I. Ran Ganesan*  
I. Ran Ganesan  
Technical Manager

- The test results relate only to the items tested during the specified time
- The test report shall not be reproduced in full or part without the written approval of ENVISLAB
- The test items will not be retained more than 15 days from the date of issue of the test report unless specifically requested

# Air Quality Monitoring test reports for various locations

## Location 1 : Top of Office Building



### Eco Tech Labs Pvt Ltd

NABET & NABL ACCREDITED AND MOEF & CC RECOGNISED LABORATORY  
ISO 9001:2015 and OHSAS-ISO 45001:2018 Certified Company



TC-5937

Plot No.48A, 2nd Main Road, Ram Nagar South Extension, Pallikaranai, Chennai - 600 100.  
Phone : 8144115515, Email : info@ecotechlabs.in / lab@ecotechlabs.in, Website : www.ecotechlabs.in

NABL Accredited Testing Laboratory Vide Certificate No. TC-5937

### TEST REPORT

ULR No : TC59372200002433F	Report Date: 15.07.2022	Page 1 of 1
Report No: TRETLO722055		
Name of the Client	:M/S. DJG ENERGY SOLUTIONS PVT. LTD,	
Address of the Project Site	: BIO MINING PROJECT, VELLALORE COMPOST PLANT, COIMBATORE 641111	
Sample Name	: Air Quality	Sample Description : Ambient Air
Sample Code	:ETLO722141	Sample Condition : Good
Sample Drawn By	: Eco Tech Labs P.Ltd.	Sampling date : 10.25 AM 08.07.2022 to 10.24 AM 09.07.2022
Sampling Plan & Procedure	: ETL/QAD/SOP/09	Received date : 09.07.2022
Sample Location	: Top of Office Building	Commenced on : 09.07.2022
Customer Reference	: Mail Confirmation	Completed on : 14.07.2022

S.No	Parameters	Units	Results	Test Method	NAAQ Standards: 2009	
1	Sulphur Dioxide	µg/m <sup>3</sup>	6.5	IS: 5182 (P- 2) 2001(RA:2012)	80 (24 Hours)	50 (Annual)
2	Oxides of Nitrogen	µg/m <sup>3</sup>	16.8	IS: 5182 (P- 6) 2006(RA:2012)	80 (24 Hours)	40 (Annual)
3	Respirable Suspended Particulate Matter (PM10)	µg/m <sup>3</sup>	68.1	IS: 5182 (P- 23) 2006(RA:2012)	100 (24 Hours)	60 (Annual)
4	Particulate Matter (PM 2.5)	µg/m <sup>3</sup>	26.6	ETL/CHL/SOP/001	60 (24 Hours)	40 (Annual)
5	Carbon monoxide	mg/m <sup>3</sup>	BQL (LOQ:1.1)	ETL/CHI/IOP/029	4 (1 Hour)	2 (8 hours)
6	Lead	µg/m <sup>3</sup>	BQL (LOQ:0.025)	IS: 5182 (P- 22) 2001(RA:2014)	1 (24 Hours)	0.5 (Annual)
7	Ozone	µg/m <sup>3</sup>	BQL (LOQ:10)	IS: 5182 (P- 9) 1994(RA:2009)	180 (1 Hour)	100 (8 Hours)
8	Ammonia	µg/m <sup>3</sup>	BQL (LOQ:10)	ETL/CHL/SOP/002	400 (24 Hours)	100 (Annual)
9	Benzene	µg/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5182 (P- 11) 2006(RA:2012)	5 (Annual)	5 (Annual)
10	Benz(a)pyrene	ng/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5187 (P-17) 2004(RA:2014)	1 (Annual)	1 (Annual)
11	Arsenic	ng/m <sup>3</sup>	BQL (LOQ:1)	ETL/INS/SOP/002	6 (Annual)	6 (Annual)
12	Nickel	ng/m <sup>3</sup>	BQL (LOQ:2.5)	USEPA IO - 3.2	20 (Annual)	20 (Annual)

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



Authorized Signatory - Chemical

*S. Kishu*  
S. Kishu  
Lab Manager

1. The report in the full or part original shall not be used for any promotional or publicity purpose without written consent by Eco Tech labs Pvt Ltd.
2. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report.
3. The test results relate only to the test items.

**Location 2: Near Transformer Yard****Eco Tech Labs Pvt Ltd**

NABET & NABL ACCREDITED AND MOEF & CC RECOGNISED LABORATORY  
ISO 9001:2015 and OHSAS-ISO 45001:2018 Certified Company



TC-5937

Plot No.48A, 2nd Main Road, Ram Nagar South Extension, Pallikaranai, Chennai - 600 100.

Phone : 8144115515, Email : info@ecotechlabs.in / lab@ecotechlabs.in, Website : www.ecotechlabs.in

NABL Accredited Testing Laboratory Vide Certificate No. TC-5937

**TEST REPORT**

ULR No : TC59372200002434F	Report Date: 15.07.2022	Page 1 of 1
Report No: TRETLO722056		
Name of the Client	:M/S. DJG ENERGY SOLUTIONS PVT. LTD, BIO MINING PROJECT,	
Address of the Project Site	: VELLALORE COMPOST PLANT, COIMBATORE 641111	
Sample Name	: Air Quality	Sample Description : Ambient Air
Sample Code	: ETL0722142	Sample Condition : Good
Sample Drawn By	: Eco Tech Labs P.Ltd.	Sampling date : 11.15 AM 08.07.2022 to 11.14 AM 09.07.2022
Sampling Plan & Procedure	: ETL/QAD/SOP/09	Received date : 09.07.2022
Sample Location	: Near TransformerYard	Commenced on : 09.07.2022
Customer Reference	:Mail Confirmation	Completed on : 14.07.2022

S.No	Parameters	Units	Results	Test Method	NAAQ Standards: 2009	
1	Sulphur Dioxide	µg/m <sup>3</sup>	8.2	IS: 5182 (P- 2) :2001(RA:2012)	80 (24 Hours)	50 (Annual)
2	Oxides of Nitrogen	µg/m <sup>3</sup>	19.6	IS: 5182 (P- 6) :2006(RA :2012)	80 (24 Hours)	40 (Annual)
3	Respirable Suspended Particulate Matter (PM10)	µg/m <sup>3</sup>	76.4	IS: 5182 (P-23) :2006(RA:2012)	100 (24 Hours)	60 (Annual)
4	Particulate Matter (PM 2.5)	µg/m <sup>3</sup>	33.5	ETL/CHL/SOP/00 1	60 (24 Hours)	40 (Annual)
5	Carbon monoxide	mg/m <sup>3</sup>	BQL (LOQ:1.1)	ETL/CHL/IOP/02 9	4 (1 Hour)	2 (8 hours)
6	Lead	µg/m <sup>3</sup>	BQL (LOQ:0.025)	IS: 5182 (P- 22) :2004(RA:2014)	1 (24 Hours)	0.5 (Annual)
7	Ozone	µg/m <sup>3</sup>	BQL (LOQ:10)	IS: 5182 (P- 9) :1974(RA:2009)	180 (1 Hour)	100 (8 Hours)
8	Ammonia	µg/m <sup>3</sup>	BQL (LOQ:10)	ETL/CHL/SOP/00 2	400 (24 Hours)	100 (Annual)
9	Benzene	µg/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5182 (P- 11) :2006(RA:2012)	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5182 (P-12) :2004(RA:2014)	1 (Annual)	1 (Annual)
11	Arsenic	ng/m <sup>3</sup>	BQL (LOQ:1)	ETL/INS/SOP/002	6 (Annual)	6 (Annual)
12	Nickel	ng/m <sup>3</sup>	BQL (LOQ:2.5)	USEPA IO - 3.2	20 (Annual)	20 (Annual)

Note: BQL-Below Quantification Limit. LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



Authorised Signatory - Chemical

*S. Kohila*  
S. Kohila  
Lab Manager

1. The report in the full or part original shall not be used for any promotional or publicity purpose without written consent by Eco Tech labs Pvt Ltd.
2. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report.
3. The test results relate only to the test items.

**Location 3: Top of the Drivers Room****Eco Tech Labs Pvt Ltd**

NABET & NABL ACCREDITED AND MOEF & CC RECOGNISED LABORATORY  
ISO 9001:2015 and OHSAS-ISO 45001:2018 Certified Company



Plot No.48A, 2nd Main Road, Ram Nagar South Extension, Pallikaranai, Chennai - 600 100.  
Phone : 8144115515, Email : info@ecotechlabs.in / lab@ecotechlabs.in, Website : www.ecotechlabs.in

NABL Accredited Testing Laboratory Vide Certificate No. TC-5937

**TEST REPORT**

ULR No : TC59372200002435F	Report Date: 15.07.2022	Page 1 of 1
Report No: TRETLO722057		
Name of the Client	: M/S. DJG ENERGY SOLUTIONS PVT. LTD, BIO MINING PROJECT,	
Address of the Project Site	: VELLALORE COMPOST PLANT, COIMBATORE 641111	
Sample Name	: Air Quality	Sample Description : Ambient Air
Sample Code	: ETL0722143	Sample Condition : Good
Sample Drawn By	: Eco Tech Labs P.Ltd.	Sampling date : 12.00 PM 08.07.2022 to 11.59 AM 09.07.2022
Sampling Plan & Procedure	: ETL/QAD/SOP/09	Received date : 09.07.2022
Sample Location	: Top of the Drivers Room	Commenced on : 09.07.2022
Customer Reference	: Mail Confirmation	Completed on : 14.07.2022

S.No	Parameters	Units	Results	Test Method	NAAO Standards: 2009	
1	Sulphur Dioxide	µg/m <sup>3</sup>	8.5	IS: 5182 (P- 2) 2001(RA:2012)	80 (24 Hours)	50 (Annual)
2	Oxides of Nitrogen	µg/m <sup>3</sup>	16.3	IS: 5182 (P- 6) 2006(RA:2012)	80 (24 Hours)	40 (Annual)
3	Respirable Suspended Particulate Matter (PM10)	µg/m <sup>3</sup>	72.9	IS: 5182 (P-23) 2006(RA:2012)	100 (24 Hours)	60 (Annual)
4	Particulate Matter (PM 2.5)	µg/m <sup>3</sup>	30.3	ETL/CHL/SOP/001	60 (24 Hours)	40 (Annual)
5	Carbon monoxide	mg/m <sup>3</sup>	BQL (LOQ:1.1)	ETL/CHL/IOP/029	4 (1 Hour)	2 (8 hours)
6	Lead	µg/m <sup>3</sup>	BQL (LOQ:0.025)	IS: 5182 (P- 22) 2004(RA:2014)	1 (24 Hours)	0.5 (Annual)
7	Ozone	µg/m <sup>3</sup>	BQL (LOQ:10)	IS: 5182 (P- 9) 1974(RA:2009)	180 (1 Hour)	100 (8 Hours)
8	Amonoxia	µg/m <sup>3</sup>	BQL (LOQ:10)	ETL/CHL/SOP/002	400 (24 Hours)	100 (Annual)
9	Benzene	µg/m <sup>3</sup>	BQL (LOQ:0.8)	IS: 5182 (P- 11) 2006(RA:2014)	3 (Annual)	3 (Annual)
10	Benzo(a)pyrene	ng/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5182 (P-12) 2004(RA:2014)	1 (Annual)	1 (Annual)
11	Arsenic	ng/m <sup>3</sup>	BQL (LOQ:1)	ETL/INS/SOP/002	6 (Annual)	6 (Annual)
12	Nickel	ng/m <sup>3</sup>	BQL (LOQ:2.5)	USEPA IO - 3.2	20 (Annual)	20 (Annual)

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



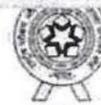
Authorised Signatory - Chemical

*S. Kovils*  
S. Kovils  
Lab Manager

1. The report in the full or part original shall not be used for any promotional or publicity purpose without written consent by Eco Tech Labs Pvt Ltd
2. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report.
3. The test results relate only to the test items.

**Location 4: Near Labours Quarters****Eco Tech Labs Pvt Ltd**

NABET & NABL ACCREDITED AND MOEF & CC RECOGNISED LABORATORY  
ISO 9001:2015 and OHSAS-ISO 45001:2018 Certified Company



TC-5937

Plot No.48A, 2nd Main Road, Ram Nagar South Extension, Pallikaranai, Chennai - 600 100.  
Phone : 8144115515, Email : info@ecotechlabs.in / lab@ecotechlabs.in, Website : www.ecotechlabs.in

NABL Accredited Testing Laboratory Vide Certificate No. TC-5937

**TEST REPORT**

ULR No : TC59372200002436F	Report Date: 15.07.2022	Page 1 of 1
Report No: TRETLO722058		
Name of the Client	:M/S. DJG ENERGY SOLUTIONS PVT. LTD, BIO MINING PROJECT,	
Address of the Project Site	: VELLALORE COMPOST PLANT, COIMBATORE 641111	
Sample Name	: Air Quality	Sample Description : Ambient Air
Sample Code	: ETL0722144	Sample Condition : Good
Sample Drawn By	: Eco Tech Labs P.Ltd.	Sampling date : 12.20 PM 08.07.2022 to 12.19 PM 09.07.2022
Sampling Plan & Procedure	: ETL/QAD/SOP/09	Received date : 09.07.2022
Sample Location	: Near Labour Quarters	Commenced on : 09.07.2022
Customer Reference	: Mail Confirmation	Completed on : 14.07.2022

S.No	Parameters	Units	Results	Test Method	NAAQ Standards: 2009	
1	Sulphur Dioxide	µg/m <sup>3</sup>	7.8	IS: 5182 (P- 2) 2001(RA:2012)	80 (24 Hours)	50 (Annual)
2	Oxides of Nitrogen	µg/m <sup>3</sup>	12.0	IS: 5182 (P- 6) 2006(RA:2012)	80 (24 Hours)	40 (Annual)
3	Respirable Suspended Particulate Matter (PM10)	µg/m <sup>3</sup>	67.2	IS: 5182 (P-23) 2006(RA:2012)	100 (24 Hours)	60 (Annual)
4	Particulate Matter (PM 2.5)	µg/m <sup>3</sup>	28.6	ETL/CHL/SOP/001	60 (24 Hours)	40 (Annual)
5	Carbon monoxide	mg/m <sup>3</sup>	BQL (LOQ:1.1)	ETL/CHL/IOP/029	4 (1 Hour)	2 (8 hours)
6	Lead	µg/m <sup>3</sup>	BQL (LOQ:0.025)	IS: 5182 (P- 22) 2004(RA:2014)	1 (24 Hours)	0.5 (Annual)
7	Ozone	µg/m <sup>3</sup>	BQL(LOQ:10)	IS: 5182 (P- 9) 1974(RA:2009)	180 (1 Hour)	100 (8 Hours)
8	Ammonia	µg/m <sup>3</sup>	BQL (LOQ:10)	ETL/CHL/SOP/002	400 (24 Hours)	100 (Annual)
9	Benzene	µg/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5182 (P- 11) 2006(RA:2012)	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m <sup>3</sup>	BQL (LOQ:0.5)	IS: 5182 (P-12) 2004(RA:2014)	1 (Annual)	1 (Annual)
11	Arsenic	ng/m <sup>3</sup>	BQL (LOQ:1)	ETL/INS/SOP/002	6 (Annual)	6 (Annual)
12	Nickel	ng/m <sup>3</sup>	BQL (LOQ:2.5)	USEPA IO - 3.2	20 (Annual)	20 (Annual)

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



Authorised Signatory - Chemical

*S. Kella*  
S. Kella  
Lab Manager

1. The report in the full or part original shall not be used for any promotional or publicity purpose without written consent by Eco Tech labs Pvt Ltd.
2. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report.
3. The test results relate only to the test items.

## Test Report for RDF (75mm)



### Enviro Solutions & Labs

A5, Cheran Nagar, Off. Mettupalayam Road,  
Kavundampalayam, GN Mills (Post), Coimbatore - 641 029. Tamilnadu.

✉ : info@envislab.com 🌐 : www.envislab.com ☎ : 0422 4200600



#### TEST REPORT

#### Issued To

M/S. DJG ENERGY SOLUTIONS PVT. LTD,  
BIO MINING PROJECT,  
VELLALORE COMPOST PLANT,  
COIMBATORE - 641 111.

Report No. : ESL/2207/SW/1553  
Report Date : 07.07.2022  
Customer Reference : Mail Confirmation  
Sample Code : ESL220703

SAMPLE DETAILS			
Nature of Sample	Solid Waste	Sample Description	RDF 75mm
Sample Collected By	Client	Sample Condition	Good
Sample Received On	01.07.2022	Analysis Started On	01.07.2022
Analysis Completed On	07.07.2022		

S. NO.	PARAMETER	TEST METHOD	RESULTS	UNIT	CPHEEO STANDARDS*
1	Moisture	IS 2720 (Part-2)	14.1	%	<15
2	% of Sand	By Gravimetric Method	22.8	%	--
3	Gross Calorific Value	ASTM D240-02	3950	Kcal/Kg	>3750

\* As per Central Public Health and Environmental Engineering Organisation Standards for RDF Grade II

\*\*\*End of Report\*\*\*



Authorised Signatory

*R. Rajendran*  
R. Rajendran  
Quality Manager

- The test results relate only to the items tested during the specified time
- The test report shall not be reproduced in full or part without the written approval of ENVISLAB
- The test items will not be retained more than 15 days from the date of issue of the test report unless specifically requested

## Letter provided by M/s DJG Energy regarding the missing inward trips



Dated: 28<sup>th</sup> of March 2022

To,

The Director,  
Centre for Environmental Studies,  
Anna University  
Chennai - 600025

Dear Sir/Madam,

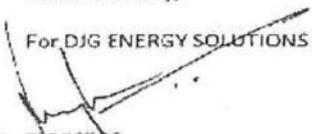
Sub: Legacy waste inward details taken during night shifts.

With regard to the data sent on the inward quantity of the Legacy waste for our claim on the progress report- 4, we have attached the details of total 975 trips which was taken during the night shifts was not accounted on the weigh bridge due to non-availability of the concern person in charge. But we also record the same on our log book to counter the inward details which is furnished for your reference, so I would request you to account the same considering the volume weight recorded on the regular basis.

Thanking you,

Yours faithfully,

For DJG ENERGY SOLUTIONS (P) LTD.,

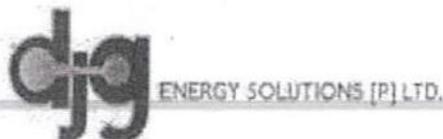
  
DIRECTOR  
[D. MOHANA KRISHNAN]



CORPORATE OFFICE:

3, Marchoy Road, T. Nagar, Chennai - 600 017, Tamilnadu, India. ☎+91 44 2433 1744 / +91 44 2433 1844  
GST No.: 35AAHCD2839E12Y

Action plan provided by the contractor to complete the processing and disposal



ENERGY SOLUTIONS (P) LTD.

Date: 05-05-2023

Action Plan submitted by the contractor for completion of Bio-mining work

**Action plan for processing & Disposal of legacy waste in Vellalore dump yard in Coimbatore city municipal Corporation**

Total quantity of legacy waste as per estimate	= 940044.00
Quantity of Legacy waste Processed (till 30/04/23)	= 807171 m <sup>3</sup>
Balance to be processed	= 132873 m <sup>3</sup>

- Currently we are operating 4 Lines @ Capacity 35/m<sup>3</sup>/ Hour.
- We will operated 28/days month @ 20hours/Days.

Month	No. of Working days	Quantity Processed per Day in m <sup>3</sup>	Total Quantity
May 2023	28	2372.73 m <sup>3</sup>	66,416m <sup>3</sup>
June 2023	28	2372.73 m <sup>3</sup>	66,416m <sup>3</sup>
	Total		1,32,873m <sup>3</sup>

Disposal Plan

- Currently we have approximately 45000m<sup>3</sup> RDF Stored at the Site.
- Expected RDF from balance legacy Area @15% 33,644.05m<sup>3</sup>.
- Currently we have approximately 28000m<sup>3</sup> Coarse Soil Stored at the Site.
- Expected Coarse Soil the balance legacy Area @55% 73,080.15m<sup>3</sup>
- Coarse Soil and other fractions will be disposed max by Mid-August 2023.
- Total RDF will be disposed max by end September 2023.



CORPORATE OFFICE

33, Madhav Road, T. Nagar, Chennai - 600 017, Tamil Nadu, India. ☎ +91 44 2433 0744 / +91 24 2433 0644



Find the Details Below for the RDF-Disposal:-

Month	Proposed Disposal/Mont to M <sup>3</sup>
May 2023	15,732.80 M <sup>3</sup>
June 2023	15,732.80 M <sup>3</sup>
July 2023	15,732.80 M <sup>3</sup>
August 2023	15,732.80 M <sup>3</sup>
September 2023	15,732.80 M <sup>3</sup>
<b>Total Quantity</b>	<b>78,664 M<sup>3</sup></b>

As per the above schedule the Project will be completed by end SEP 2023

Thanking you,

Yours faithfully,  
For DIG ENERGY SOLUTIONS (P) LTD.,

*Sujeet S. Kumar*  
Director  
(Sujeet Shivakkumar)



**ANNEXURE II**  
**(DETAILED PROJECT REPORT FROM CES, AU/PMC & DJG**  
**FROM APRIL'25 TO JULY'25)**

**DAILY OBSERVATION REPORT**  
**COIMBATORE VELLALORE BIOMINING- PHASE II**

**Date of Observation: 29-07-2025**

**PROJECT DETAILS**

<b>Contractor</b>	DJG ENERGY SOLUTIONS
✓ Name of Contractor	PVT LTD
✓ Package Manager	Mr. THANEESH
Total Biomining Area (Ac.)	84.62
Work Order Quantity (Cu.m/MT)	9,92,674 cum/7,94,139 MT
Daily Target as per agreement (MT/day)	1200(MT/day)
Letter of Acceptance	12-02-2025
Agreement Signed On	
Site Handover to Contractor by CCMC	06-03-2025

**INWARD/ PROCESSING DETAILS FOR LEGACY WASTE**

Description	No of Trips	Weight (MT)
Legacy Waste taken till Previous Day 27-07-2025	5233	95952.06
Legacy Waste taken on 28-07-2025	59	1124.91
Cumulative Legacy Waste taken till 28-07-25	5292	97076.97
<b>Cumulative Legacy waste Processed till 28-07-2025 (%)</b>	<b>12.23 %</b>	

**RECOVERED FRACTIONS - DISPOSAL DETAILS: 28-07-25**

S.No	Material	Disposed Till 27-07-2025		Disposal on 28-07-25		Cumulative Disposal till 28-07-25	
		No. of Trips	Quantity (MT)	No. of Trips	Quantity (MT)	No. of Trips	Quantity (MT)
1	Bio-soil	221	3698.084	3	50.284	224	3748.368
2	Coarse Soil	2353	57025.685	14	300.215	2367	57325.9
3	Stones	90	1281.14	1	16.545	91	1297.685
4	RDF	318	13300.275	3	155.24	321	13455.515
5	Others	276	1143.798	2	15.54	278	1159.338
<b>Total</b>		<b>3258</b>	<b>76448.98</b>	<b>23</b>	<b>537.824</b>	<b>3281</b>	<b>76986.81</b>
<b>Cumulative Disposal till 28-07-25 (%)</b>						<b>9.69 %</b>	

# DAILY OBSERVATION REPORT

## COIMBATORE VELLALORE BIOMINING- PHASE II

### RECOMMENDATIONS AND ACTIONS TRACKER

Details	Description
Key Observations	<ol style="list-style-type: none"> <li>1. Plant 1, Plant 2 &amp; Plant 3 – All are running and processing the legacy waste.</li> <li>2. Approx. 50% of legacy waste from Part 3 needed to be taken for processing.</li> <li>3. Average RDF disposal from (01/07/25 – 28/07/25) is 129.92 Tons/day.</li> <li>4. Average Legacy waste processing from (01/07/25 – 28/07/25) is 909.69 Tons/day.</li> </ol>
Corrective Actions Suggested by PMC	



**ANNEXURE III**

**CCMC LETTER TO CONTRACTOR -  
DJG**

BY ROAD

**Coimbatore City Municipal Corporation**

From,  
Thiru. M. Sivaguru Prabakaran, I.A.S  
Commissioner  
Coimbatore City Municipal  
Corporation,  
Big Bazaar Street,  
Coimbatore – 641 001.



To,  
M/s. DJG Energy Solutions Pvt.  
Ltd., No.3 Malony Road,  
T. Nagar,  
Chennai – 600 017

ROC No. 3382/2024/JN3 Dated: 30.06.2025

**Sub:** Implementation of Bio mining / Landfill Mining and Reclamation (LFMR) of the old legacy wastes at Vellalore Dumpsite – Work Order Issued – **Instructions to Deploy Sophisticated Equipment & Notice to Complete the Legacy waste Quantity within this year end – Reminder – Reg.**

- Ref:**
1. Work Order Dated 19.02.2025
  2. Our office letter ROC No. 3382/2024/JN3 dated 21.03.2025, Instructions to Submission of Documents-Reg
  3. Our office letter ROC No. 3382/2024/JN3 dated 21.03.2025, Instructions to weighment & monitoring methods-Reg
  4. Your letter dated 15.04.2025
  5. NGT Order dated 23.06.2025

\*\*\*\*\*

It is informed that the National Green Tribunal in its recent order dated 23.06.2025, sternly directs to increase the no. of trommels or to deploy power screen warrior equipment and to process minimum 10,000TPD of legacy wastes aiming to clear the entire legacy waste by end of this year.

Hence, it is once again reminded that, as in Tender Document, *Section III - Terms & Reference, Item 1.3, the technology suggested/deployed by the Contractor/Operator must be in accordance with present rules and regulations – norms of Government Authorities like MOEF&CC, CPCB, Tamil Nadu Pollution*

Control Board, National Green Tribunal (NGT) etc. and should be flexible enough to augment the capacity and accommodate environment friendly changes to be imposed by governing authority like MOEF&CC, CPCB, Tamil Nadu Pollution Control Board, National Green Tribunal (NGT) and other all regulatory agencies in future.

Accordingly, as per the directions of NGT reference 5<sup>th</sup> cited, it is instructed to deploy latest machinery such as "Power Screen Warrior – 1200" and sufficient trammel to process 10,000 TPD along with your current equipment installed at site, and expedite the source segregation of the legacy waste and to complete the biomining process as targeted within this year.

In this connection, it is instructed to submit a detailed action taken report within Seven (7) days from the date of this letter.

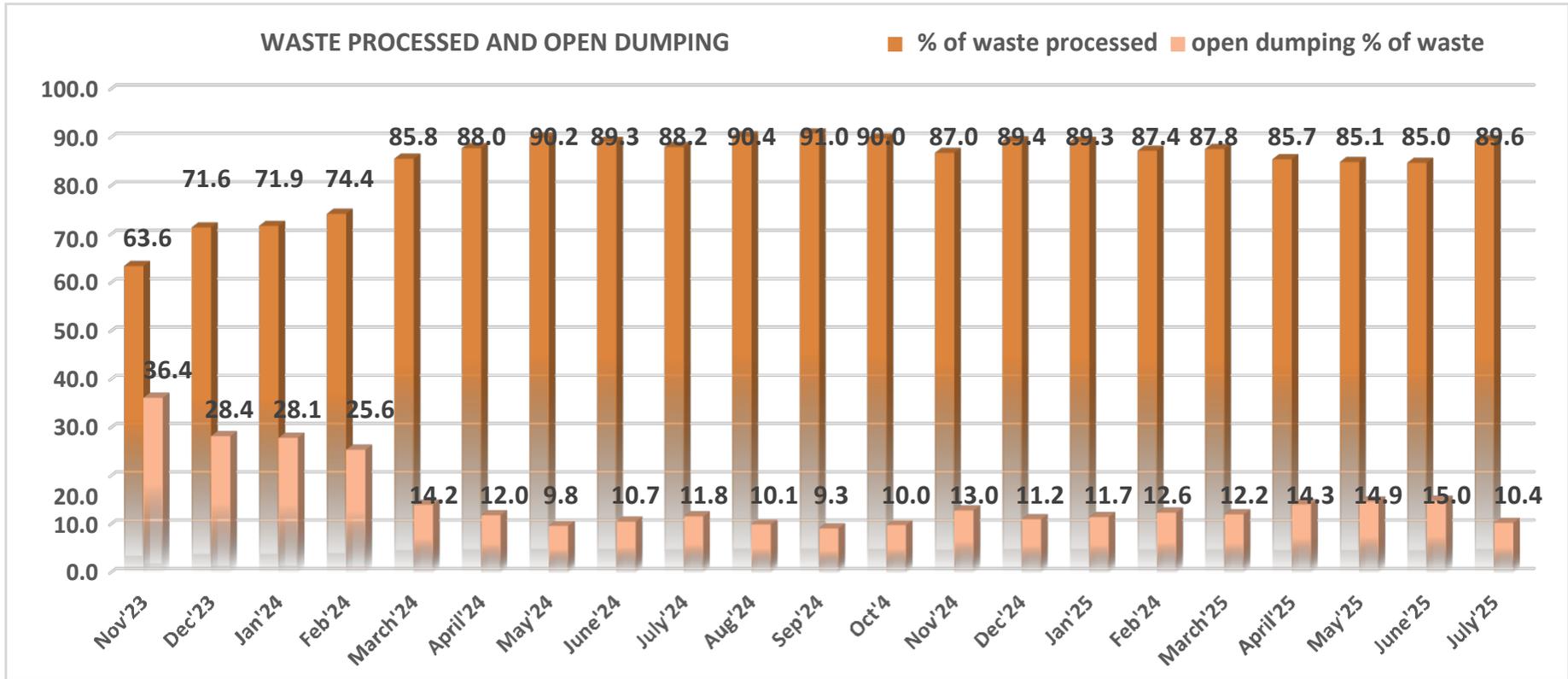
  
Commissioner

Coimbatore City Municipal Corporation

kes  
20/6/25

## ANNEXURE IV - OPEN DUMPING AND WASTE PROCESSING REPORT

<b>Month</b>	<b>Waste quantity Processed</b>	<b>Open dumping</b>	<b>Total waste</b>	<b>% of waste processed</b>	<b>% of waste Open Dump</b>
<b>Nov'23</b>	20,072.11	11,466.14	31,538.25	63.6	36.4
<b>Dec'23</b>	27,224.15	10,805.46	38,029.61	71.6	28.4
<b>Jan'24</b>	25,726.33	10,046.61	35,772.94	71.9	28.1
<b>Feb'24</b>	26,493.48	9,114.09	35,607.57	74.4	25.6
<b>March'24</b>	29,747.09	4,922.86	34,669.95	85.8	14.2
<b>April'24</b>	28,888.02	3,947.35	32,835.37	88.0	12.0
<b>May'24</b>	30,032.46	3,274.94	33,307.39	90.2	9.8
<b>June'24</b>	27,720.97	3,324.25	31,045.22	89.3	10.7
<b>July'24</b>	24,129.40	3,146.70	27,276.10	88.2	11.8
<b>Aug'24</b>	23,627.70	2,970.00	26,597.70	90.4	10.1
<b>Sep'24</b>	22,417.40	1,198.10	23,615.50	91.0	9.3
<b>Oct'4</b>	24,838.50	3,127.50	27,966.00	90.0	10.0
<b>Nov'24</b>	20,083.60	6,035.40	26,119.00	87.0	13.0
<b>Dec'24</b>	22,667.60	3,882.10	26,549.70	89.4	11.2
<b>Jan'25</b>	21,834.60	3,447.00	24,834.60	89.3	11.7
<b>Feb'24</b>	20,255.56	2,910.87	23,166.43	87.4	12.6
<b>March'25</b>	24,399.39	3,392.56	27,791.95	87.8	12.2
<b>April'25</b>	21,650.36	3,612.79	25,263.14	85.7	14.3
<b>May'25</b>	22,570.74	3,943.23	26,513.96	85.1	14.9
<b>June'25</b>	22,186.79	3,930.44	26,117.23	85.0	15.0
<b>July'25</b>	23,518.06	2,741.93	26,259.99	89.6	10.4



**ANNEXURE V**

**(LETTER FROM CONTRACTOR (DJG) TO CCMC AND  
ANNA UNIVERSITY RECOMMENDATION LETTER)**



Date: 07/07/2025

To,  
The Commissioner,  
Coimbatore city Municipal Corporation,  
Big Bazaar Street, Town hall,  
Coimbatore,

**Sub:-** Implementation of Biomining / Landfill Mining and Reclamation (LFMR) of the old Legacy wastes at Vellalore Dumpsite-Work order Issued – Instructions to Deploy Sophisticated Equipment & Notice to complete the legacy waste Quantity within this year end -Reminder -Reg. ROC No. 3382/2024/JN3 Dated 30/06/2025 –Received on 03-07-2025–REPLY

**Ref: -** 1.Work Order Dated: 19.02.2025

2. Your Letter Roc No.3382/2024/JN3 dated 21.03.2025, Instructions to Submission of Documents –Reg -Reply Dated 08/04/2025

3. Your Letter Roc No.3382/2024/JN3 dated 21.03.2025, Instructions to Weighment & Monitoring methods-Reg- Reply Dated 08/04/2025

4. Your Letter Roc No.3382/2024/JN3 dated 12.04.2025, Instructions to Submit Programme Chart and Deploy Sophisticated Equipment - Reg- Reply Dated 15/04/2025.

Dear Sir,

Noted the NGT directions to Process minimum of 10,000 TPD of legacy wastes aiming to clear the entire legacy waste by end of this year , with regard to this we would like to clarify that it is not possible to process the above mentioned Qty / day . Mainly due to the cost factor arrived at your end and proposed the value of Tender in accordance with the current government values. Which also constitutes the actual time line required to process the total volume of 7,94,139 MT based on the Disposal of segregated fractions.

Total value of the project is calculated based on the cost of machinery, Labour, power consumption, man power, heavy vehicles, and mainly transportation of segregated RDF, inert, fine soil & other scraps. So we really don't have any provisions to add any further machinery as this project will become unviable.

CORPORATE OFFICE:

3, Malony Road, T. Nagar, Chennai - 600 017. Tamilnadu, India. ☎+91 44 2433 1744 / +91 44 2433 1844

CIN : U40300GJ2019PTC106940

GST No. : 33AACHCD1339B1Z9

PAN : AAHCD1339B



ENERGY SOLUTIONS [P] LTD.

Disposing the RDF is one of our biggest challenge in our Industry as this has to be co processed only with the incinerator at very high temperature operated in Cement Industry Kilns. Based on the minimum of 30% output of RDF /day respect to the above mentioned volume there is no such requirement with the cement plants on daily basis. Hope you understand and aware of this issues.

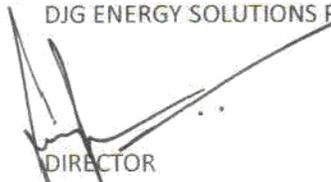
With Regard to the Tender document , section III- terms & reference , we have submitted the methodology, project implementation & operation plan along with our tender documents which is already been approved and accepted by our tender inviting authority , so we would like to adhere the same while this is the proven method and technique followed currently by all the companies working on this Bio mining project all over India with regard to high volume and density of legacy municipal waste management .

Our plant is currently operating at the optimal power capacity of 300KVA allotted to us and we don't have any extra provisions to add further capacity towards it.

Noted the NGT directions, with regard to power screen warrior -1200, we called for this company and understood the Technique and the capacity of the machine, which is not for our kind of process and volumes, these machines are basically used for C&D waste segregation with a lower power and capacity, the segregated fractions are not as per our MSW size and requirements, the Fuel type is Diesel which does not comply with our running hours and cost factor. Also this has only three way output conveyer as the inert and plastic mix thru one reject conveyer, were as we need 4 way reject conveyor system for our outputs. Attached the machine details for your reference and understanding

Thanking you

DJG ENERGY SOLUTIONS PVT LTD

  
DIRECTOR  
D. MOHANAKRISHNAN



CC TO:

1. CHIEF ENGINEER,-CCMC

CORPORATE OFFICE:

3, Malony Road, T. Nagar, Chennai - 600 017, Tamilnadu, India. ☎ +91 44 2433 1744 / +91 44 2433 1844

CIN : U40300GJ2019PTC106940

GST No : 33AACHCD1339B1Z9

PAN : AAHCD1339B

# POWERSCREEN SCREENING RANGE

## Chieftain Screen Range

The Powerscreen® Chieftain range of mobile incline screens are designed for the processing of aggregates and sand. All Chieftain machines are designed to be easily transported, set-up, operated and maintained.

### MACHINES IN THIS RANGE INCLUDE:

- Chieftain 1400
- Chieftain 1700 (2 & 3 deck)
- Chieftain 2100X (2 & 3 deck)
- Chieftain 2200 (2 & 3 deck)

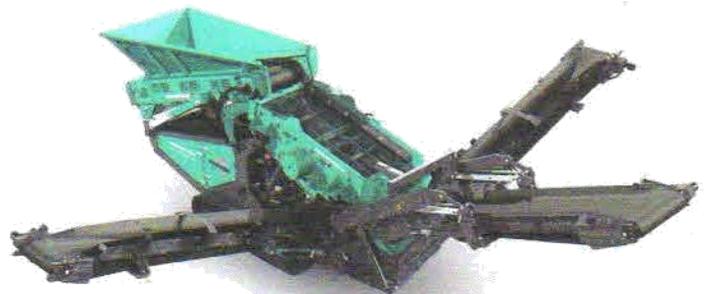


## Warrior Screen Range

The Powerscreen® Warrior range is high capacity, heavy duty, versatile machines capable of screening and separating a wide variety of material in the most difficult and demanding of applications including recycling, aggregates, compost, topsoil, coal, construction and demolition waste and iron ore.

### MACHINES IN THIS RANGE INCLUDE:

- Warrior 600
- Warrior 800
- Warrior 1200 ✓
- Warrior 1400X/1400XE ✓
- Warrior 1800
- Warrior 2100
- Warrior 2100 Spaleck
- Warrior 2400



## Horizontal Screening Range

The Powerscreen additional screen range includes models H6203, H6203R and Powertrak 750. The H6203 and H6203R machines are ideal for handling high volumes of sticky materials and are ideally suited to applications such as natural and crushed aggregate.

The Powertrak 750 is a self-contained high capacity mobile scalping unit. With its robust construction the Powertrak 750 can easily withstand the toughest scalping applications and is versatile enough to perform at an equally high level in fine screening applications.

### MACHINES IN THIS RANGE INCLUDE:

- H6203
- H6203R
- Powertrak 750





**CENTRE FOR ENVIRONMENTAL STUDIES  
ANNA UNIVERSITY, CHENNAI-25.**

**Off: +91-44-2235 9009/ 9010**

**Dr. S. KARTHIKEYAN, B.E., M.E., Ph.D.**

**Fax: +91-44-2354717**

**Professor & Director**

**Email: directorcesau@gmail.com**

Lr.No.0076/CES/SK/ Coimbatore City Municipal Corporation /2025-26

Date:01.08.2025

To  
The Commissioner,  
Coimbatore City Municipal Corporation,  
Coimbatore – 641 001

Sir/Madam

Sub: CES-Consultancy work on – “Project Management Consultancy (PMC)- Solid Waste Management system- Biomining of legacy waste dumped at Vellalore dumpsite (9,92,674 cum/ 7,94,139 MT- Phase II- Additional particulars requirement- NGT order reg

Ref: CCMC- SWM Biomining Phase II-mail dated 30.07.2025

The clarifications regarding the timeline and power screen machinery details is listed below

1. Regarding the shredding machine, it is clarified that “It is not mandatory to shred the RDF. It depends on the availability of shredding units in the cement plants. In phase II Biomining project, the unshredded RDF is mainly sent to M/s. Dalmia cements as they have their own shredding units and shredded RDF is sent to M/s. Chettinad cements.”
2. From 03 March 2025 till 27 July 2025, 95,952 tons of legacy waste has been processed by operating 3 line machineries (three trommel in each line) in two shifts per day. Based on this data, the average processing is 650 TPD. At this average processing rate the completion period shall be July 2028.
3. Based on the observations at the existing sites, Power screens (basically vibratory screens) were found to be ineffective to process the legacy waste due to moisture conditions of the waste. Following are the features of power screen & trommel units with ADS.

**Comparison between power screen & Trommel machineries**

S.No	Description	Power screen	Trommel with high capacity motors & Air density classifiers
1	Processing mechanism	Vibrating screen	Rotating drum
2	Ideal for	C & D, dry sand, MSW with <10 % moisture	Legacy waste with <25 % moisture
3	Capacity for processing legacy waste	650 tons per day	1500 tons per day
4	Output quality	Moderate to poor depending on the screen size	Good to moderate depending on the screen size
6	Mobility	Movable crawler type available	Fixed
7	Power consumption	Diesel & electricity	electricity
8	Clogging	High possibility	Moderate possibility
9	Cleaning time	3 hrs per day	2 hrs per day

5. Regarding the soil characteristics and possible soil & ground water contamination it is requested to consult with NABL accredited labs or TNAU regarding the soil & ground water quality for plantation in Phase I reclaimed land.
6. Considering the current processing rate (650 TPD) from 03 March 2025 to 27 July 2025, the processing will be completed in July 2028. Since, CCMC requested CES, Anna University to suggest a method to complete the project as per NGT order (end of this year (i.e) December 2025, high motor capacity trommel machines with air density classifiers were suggested.

#### 7. Challenges & Recommendations

- Existing power supply is not sufficient to install additional high capacity machineries. The power supply arrangements for the additional machineries installation should be obtained by CCMC in consultation with the TNEB. High processing rate gives high output fractions. Disposal of output fractions parallel becomes a challenging task as the RDF disposal is solely dependent on the supply and demand of the cement plant.
- It is recommended that CCMC has to stop fresh waste dumping inside the Vellalore dumpsite so that the land can be fully reclaimed.

**Based on the current site situation, it is recommended that the existing fourth line machinery should be operated at the earliest. Full-fledged operation of all the existing machineries at site will be able to produce 1500 tons per day and at this rate the remaining quantity can be completed in December 2026. Disposal of RDF to other cement plants should be planned to avoid stacking within the site. Additional machineries installation shall be decided by CCMC based on the power supply and the site completion date.**

Yours faithfully



**Dr. S KARTHIKEYAN**

**DIRECTOR**  
Centre for Environmental Studies  
Anna University, Chennai-600 025.

**ANNEXURE VI**  
**TREE PLANTATION REPORT**

*SUBMITTED TO THE HON'BLE NATIONAL GREEN TRIBUNAL BY*  
*COIMBATORE CITY MUNICIPAL CORPORATION*

***DATE: 07.08.2025***

*TABLE OF CONTENTS*

S. No	
1	Summary
2	Objectives Of Plantation At Vellalore Compost Yard
3	Plantation Coverage Area And Scale
4	Species Selection And Benefits
5	Afforestation Strategy
6	Implementation Partners
7	Irrigation And Maintenance Strategy
8	Environmental And Social Impact
9	Tree Plantation Ceremony
10	Plantation Maps And Plans
11	Species List With Counts And Planting Locations
12	Photographs Of Plantations
13	Future Proposal For Plantations
14	Engineering Aspects
15	Innovative Practice – Green Covai App
16	Conclusion

## 1. SUMMARY

This report is submitted in compliance with the directions issued by the Hon'ble National Green Tribunal (Southern Zone Bench, Chennai) in the matter concerning the Municipal Solid Waste Management at the Vellalore Dump Yard, Coimbatore. Pursuant to the Hon'ble Tribunal's order dated **23.06.2025**, Coimbatore City Municipal Corporation (CCMC) has been directed to undertake sustainable environmental measures including afforestation and green belt development in and around the Vellalore Solid Waste Management site. The present plantation initiative has been implemented as part of this compliance and reflects the Corporation's commitment to ecological restoration and biodiversity enhancement.

The Coimbatore City Municipal Corporation (CCMC) respectfully submits this consolidated report as an annexure to its compliance affidavit before the Hon'ble National Green Tribunal, detailing the tree plantation initiatives undertaken at the reclaimed land of Vellalore Compost Yard and other associated locations. The primary aim of this report is to furnish a comprehensive account of the plantation activities carried out in compliance with the Tribunal's directives, highlighting the types of native trees planted, procurement sources, benefits of the selected species, and the height of the saplings. The report further includes photographic documentation of procurement and plantation ceremonies, location-wise mapping (including Google Map references), and contributions made by local NGOs and the service provider (M/s. CIWMCPL). Engineering aspects such as drip irrigation systems, lagoon capacity, borewell details, and watering arrangements are also documented. Future plantation proposals have been outlined to ensure continued green cover enhancement, while innovative practices such as the 'Green Covai' App have been adopted for real-time monitoring and public engagement. This submission has been compiled with inputs from relevant departments and field engineers to reflect the Corporation's commitment to sustainable urban forestry and ecological restoration.

The Vellalore Compost Yard, located on the outskirts of Coimbatore city, has historically served as a solid waste processing and composting facility. The Respondent Corporation have taken several initiatives to plant native tree saplings to mitigate the odor issues and to develop green cover at the compost yard.

CCMC encouraged the service provider(s) inside Vellalore Compost Yard and have also engaged with NGO's in marking the commitment of planting trees along with regular

maintenance of the tree plantation resulted in planting **35,000 trees**, spanning around **46 acres**. The plantation efforts help in multiple ways, primarily curbing dumping of any wastes in future in these locations, promoting a sustainable land use & environment.

Due to prolonged dumping of municipal solid waste and legacy waste accumulation, the site faced numerous environmental challenges, including:

- Persistent odour nuisances affecting nearby communities
- Degradation of land and vegetation
- Risk of illegal dumping in unused or bio-mined areas
- Decline in aesthetic and ecological value of the land

To mitigate these impacts and promote sustainable environmental management, the Coimbatore City Municipal Corporation (CCMC) initiated a large-scale tree plantation drive across the yard as a long-term remedial and preventive strategy.

## 2. OBJECTIVES OF THE PLANTATION INITIATIVE:

The primary goals of the afforestation program at Vellalore Compost Yard are:

- ✚ **To improve air quality and reduce dust emissions** from composting and waste handling activities
- ✚ **To serve as a natural barrier** minimizing the impact of windblown litter and airborne contaminants
- ✚ **To enhance aesthetic appeal and public perception** of the site as an environmentally responsible facility
- ✚ **To support urban climate resilience** by increasing green cover and reducing the heat island effect
- ✚ **To provide habitat and food sources** for native birds, butterflies, and other pollinators
- ✚ **To act as a carbon sink** contributing to the mitigation of greenhouse gas emissions
- ✚ **To integrate community and NGO participation** in nurturing and monitoring plantation efforts
- ✚ **To facilitate environmental education and awareness** among nearby residents and school children
- ✚ **To stabilize soil and prevent erosion** especially during monsoon runoff

- ✦ **To comply with conditions** under environmental clearances and green audit observations.

### 3. PLANTATION AREA COVERGE AND SCALE:

- ✓ **Total Area Covered:** 46 acres within the Vellalore Compost Yard
- ✓ **Total Number of Saplings Planted:** 35,000
- ✓ **Average Planting Density:** Approximately 652 saplings per acre
- ✓ **Diversity of Species:** Over 64 native and climate-resilient species selected
- ✓ **Ecological Focus:** Selection of species based on their ability to restore biodiversity, improve soil health, and withstand local climatic conditions
- ✓ **Optimized Land Use:** Plantation aligned with site topography and environmental guidelines to ensure maximum green coverage
- ✓ **Sustainable Approach:** Plantation contributes to long-term ecological revival and pollution mitigation
- ✓ **Landscape Integration:** Designed to serve as a green buffer while improving site aesthetics and functionality
- ✓ **Ongoing Maintenance:** Includes irrigation, mulching, and survival tracking to ensure healthy growth

### 4. SPECIES SELECTION:

The tree species chosen for the afforestation initiative were carefully curated, with a strong emphasis on **native varieties** that are **ecologically compatible with the local environment**. Selection criteria included **resilience to regional climatic conditions, high ecological and medicinal value, soil-enriching properties, and natural abilities to suppress foul odours and airborne pollutants** typically associated with legacy waste zones.

The plantation predominantly features a diverse mix of **indigenous species**, each contributing uniquely to the site's ecological restoration and long-term sustainability. Some of the major species include:

- 🌿 **Neem (*Azadirachta indica*):** Renowned for its air-purifying and pest-repelling properties, neem acts as a natural deodorizer and is known for its medicinal value and drought resistance. Grows up to **15–20 meters**.

- 🌳 **Marutham (*Terminalia Arjuna*):** A riverine species with a dense canopy, valued for its role in **soil stabilization** and **air purification**, and revered in Ayurvedic medicine. Reaches a height of **20–25 meters**.
- 🌳 **Pungai (*Pongamia pinnata*):** A fast-growing leguminous tree that **enriches the soil with nitrogen**, helps in **reducing surface dust**, and is resilient to urban pollution. Typically grows to **10–15 meters**.
- 🌳 **Vagai (*Albizia lebbek*):** An effective **shade-giving tree** with fragrant blossoms that aid in **masking odours**; also beneficial for **supporting local pollinators**. Attains a height of **15–18 meters**.
- 🌳 **Amla (*Phyllanthus emblica*):** A fruit-bearing species rich in **medicinal and nutritional value**, contributing to **faunal diversity** and soil regeneration. Grows up to **8–10 meters**.
- 🌳 **Indian Tulip Tree (*Thespesia populnea*):** Known for its **rapid growth**, tolerance to poor soils, and **ability to absorb air pollutants**, making it ideal for degraded sites. Reaches around **10–12 meters**.
- 🌳 **Konika-Golden Shower Tree (*Cassia fistula*)** Known for its striking yellow flowers and medicinal value in Ayurveda, this ornamental tree is commonly planted along roads and parks; it grows to a height of around **10–15 meters**.
- 🌳 **Kurinji (*Strobilanthes kunthiana*)** A unique shrub that blooms once in 12 years, enhancing biodiversity and attracting pollinators in hilly landscapes; it grows to a height of about **1–3 meters**.
- 🌳 **Chinese Parasol Tree (*Firmiana simplex*)** Valued for its fast growth, dense shade, and traditional medicinal uses, it is a decorative species suitable for urban planting; typically grows to **10–15 meters**.
- 🌳 **Arasamaram- Peepal Tree (*Ficus religiosa*)** a sacred tree in Indian culture, known for its longevity, air-purifying ability, and large spreading canopy; reaches up to **20–30 meters** in height.
- 🌳 **Nagamaram-Ceylon Ironwood (*Mesua ferrea*)** a hardwood tree prized for its strong timber, fragrant flowers, and ornamental value, especially in temple gardens; grows around **15–25 meters**.
- 🌳 **Mahogany (*Swietenia mahagoni*)** Renowned for its high-quality timber and fast growth, this species is widely used in afforestation and wood industries; reaches **25–35 meters**.

🌳 **Vagarasi - Flame of the Forest (*Butea monosperma*)** Famous for its brilliant red-orange blooms, it attracts birds and insects and is used in traditional medicine; reaches about **10–12 meters**.

This species composition not only promotes **biodiversity and ecological resilience** but also aids in establishing a **functional green barrier** around the compost yard enhancing both environmental quality and community well-being.

## 5. AFFORESTATION STRATEGY

As part of the comprehensive green cover development at the Vellalore Compost Yard, a **multi-pronged afforestation strategy** was adopted, tailored to the site's varying soil profiles, land conditions, and environmental objectives. One of the most impactful components of this strategy was the **selective implementation of the Miyawaki method** in targeted zones. This technique, pioneered by Japanese botanist Dr. Akira Miyawaki, is renowned for creating **ultra-dense, fast-growing native forests** in limited spaces, typically within a period of 2 to 3 years.

### APPLICATION OF THE MIYAWAKI METHOD:

- ❖ **Site Identification:** The method was applied primarily in **buffer zones, bio-mined patches, and reclaimed areas** where rapid ecological restoration was essential.
- ❖ **Species Selection:** Only **native species**—including a balanced mix of **canopy, sub-canopy, shrub, and ground-cover species**—were selected to ensure stratified growth and biodiversity.
- ❖ **Soil Preparation:** Soil was **de-compacted and enriched** with organic compost and biomass inputs to mimic a forest floor, enhancing microbial activity and moisture retention.
- ❖ **Dense Planting Layout:** Saplings were planted at **high densities (3 to 5 saplings per square meter)** to stimulate inter-species competition, encouraging faster vertical growth.
- ❖ **No Chemical Inputs:** The method strictly avoided the use of chemical fertilizers or pesticides, aligning with the project's **eco-restoration objectives**.
- ❖ **Natural Growth Support:** Mulching and regular watering were provided in the initial years to support early establishment, after which the forest is expected to sustain itself with minimal intervention.

**ADVANTAGES OBSERVED:**

- ✓ **Rapid Canopy Formation:** Provided **quick visual and environmental impact**, especially important for odour control and dust suppression near active composting areas.
- ✓ **Increased Carbon Sequestration:** Higher biomass per square meter aided in **absorbing carbon dioxide** and improving air quality.
- ✓ **Enhanced Biodiversity:** Supported the return of **native birds, butterflies, and beneficial insects**, contributing to ecological balance.
- ✓ **Community Engagement:** The Miyawaki zones also served as demonstration plots to **promote environmental awareness** among local communities and school groups.

This approach, integrated with conventional line-planting and natural regeneration strategies across the broader plantation area, reflects a **holistic afforestation vision** aimed at **transforming degraded land into self-sustaining green ecosystems**.

**6. IMPLEMENTATION PARTNERS**

The afforestation project at the Vellalore Dump Yard is the result of **multi-stakeholder collaboration**, leveraging the expertise and resources of public authorities, civil society organizations, and private entities. The initiative has been carefully planned and executed in phases across various sections of reclaimed land, aiming to restore ecological functionality and create a sustainable green buffer. The Corporation provides overarching **planning, site identification, supervision, and infrastructure support**, including internal logistics, pathway development, and water provisioning.

**KEY IMPLEMENTING AGENCIES AND ROLES:****Role of NGOS:****SIRUTHULI:**

**Siruthuli**, a renowned Coimbatore-based environmental NGO with a proven track record in ecological restoration, played a pivotal role in the successful implementation of the afforestation drive at the Vellalore Compost Yard. Their expertise and community engagement model significantly enhanced the scientific rigor and sustainability of the project. The key contributions of Siruthuli include:

- **Native Species Identification and Plantation Design:**

Assisted in identifying suitable **indigenous tree species** based on local biodiversity, climate adaptability, and ecological value. The NGO also contributed to the **strategic layout planning** to optimize species placement, canopy layering, and growth efficiency.

**Contributions by NGO Siruthuli:**

1. **Tree Plantation:**

- A total of **11,000 saplings** have been planted by Siruthuli as part of the afforestation drive at the Vellalore Compost Yard.

2. **Land Coverage:**

- The plantation covers approximately **10 acres of land**, which has been ecologically conserved and converted into green cover.

3. **Maintenance Period:**

- Siruthuli has taken up the responsibility of **plant maintenance for the first two and a half years**, ensuring proper establishment and survival of saplings.

4. **Irrigation Arrangements:**

- **Drip irrigation systems** have been installed and are actively managed by Siruthuli, using treated water sources where feasible.

5. **Water Supply:**

- Regular **watering operations** are also managed by Siruthuli to support healthy plant growth during the critical establishment phase.

6. **Work Sharing:**

- The afforestation effort in this zone is a **joint responsibility**, with **60% of the work handled by Siruthuli** and **40% by the Coimbatore City Municipal Corporation (CCMC)**, reflecting strong NGO-Government collaboration.

**AKIL TEX TRUST**

**Contributions by Akhil Textiles, Tirupur**

1. **Tree Plantation:**

- **2,500 tree saplings** have been planted by Akhil Textiles, Tirupur, along the **northern-southern boundary** of the compost yard.

2. **Site Preparation:**

- The plantation area has been **thoroughly cleaned and prepared** prior to tree planting, ensuring better soil aeration and space for root development.

### 3. Irrigation System:

- A **drip irrigation system** has been installed to provide targeted watering and reduce wastage.

### 4. Maintenance Responsibility:

- While the plantation was carried out by Anitha Textiles, the **entire maintenance responsibility** including watering, weeding, and monitoring has been taken over by CCMC.

These collaborative plantation efforts showcase the effective involvement of **civil society, private stakeholders, and municipal governance** in restoring degraded lands through **sustainable urban forestry**.

## M/S. COIMBATORE INTEGRATED WASTE MANAGEMENT COMPANY PVT. LTD. PLANTATION UPDATE (AS ON 31.07.2025):

- **Within CIWMCPL Operational Premises:**

A total of **11,000 saplings** have been planted by the concessionaire (CIWMCPL/BEIL), demonstrating commitment to internal greening and site-level environmental management.

### NOTABLE SPECIES PLANTED:



*Azadirachta indica* (Neem)

*Pongamia pinnata* (Pungan)



*Cassia fistula* (Kondrai and Sarang Kondrai)



*Thespesia populnea* (Poovarasu)

*Mimusops elengi* (Magizham / Mara Malli)

*Tabebuia rosea* (Pink Trumpet Tree)



*Terminalia catappa* (Badam)



*Syzygium cumini* (Naval)



*Neolamarckia cadamba* (Kadambam)

*Bambusa spp.* (Bamboo)



*Iyal Vasai* and other native understory and pollinator-attracting species.

This plantation effort stands as a testament to **collaborative governance**, aiming not only at beautification but also at **long-term ecological restoration, urban resilience, and sustainable waste yard transformation**.

### Coimbatore Corporation – Vellalore Dump Yard Tree Plantation Details

As on 31-07-2025

Sl.No	Corporation / Name of NGO's	No of Trees planted	Location	Remarks
1	Coimbatore Corporation	3500	Vellalore Dump Yard Boundaries around	2.00 Acre
2	Coimbatore Corporation	2000	West side of UPL processing unit	2.00 Acre
3	Coimbatore Corporation and Siruthuli Trust Coimbatore	11000	South side of lagoon	10.00 Acre
4	Akil Tex Trust Tiruppur	2500	North side boundary	8.00 Acre
5	Coimbatore Corporation and CIWMCPL	1500	North side of Lagoon	10.00 Acre
6	CIWMCPL	9000	West side of UPL Processing Unit	9.00 Acre
7	Coimbatore Corporation	5000 Work under progress	South side of Bio- mining processing unit	3.00 Acre
8	CIWMCPL	500 Work Under Progress	West side of UPL Processing Unit	2.00 Acre
	<b>Total</b>	<b>35000(5500 Trees Under Progress)</b>		<b>46.00 Acre</b>

#### 7. IRRIGATION AND MAINTENANCE:

To ensure the **long-term sustainability and healthy growth** of the plantation at the Vellalore Compost Yard, a robust and eco-friendly irrigation and maintenance system has been established. The strategy integrates **resource-efficient irrigation techniques, recycled water**

reuse, and **collaborative monitoring mechanisms**, aligning with environmental best practices.

#### **IRRIGATION INFRASTRUCTURE:**

- A **drip irrigation system** has been installed to deliver water **directly to the root zones** of the saplings, minimizing wastage and ensuring optimal soil moisture levels.
- The water for irrigation is sourced from **treated water** supplied by the **Ukkadam Sewage Treatment Plant (STP)**, promoting **wastewater reuse** in line with sustainable urban forestry models.
- An existing **lagoon adjacent to the plantation site**, created and maintained by the CCMC, acts as a **primary water reservoir** for the drip system.
- Additionally, a **new lagoon is under development over 6 acres** to enhance water holding capacity and ensure an **uninterrupted irrigation supply**, especially during peak summer months or dry spells.

#### **ROUTINE MAINTENANCE AND MONITORING ACTIVITIES:**

To support the establishment and growth of saplings, the following activities are carried out on a regular schedule:

- **Watering and Mulching:** Maintains soil moisture and prevents surface evaporation; mulching also enhances nutrient retention.
- **Weeding and Pruning:** Ensures healthy plant growth, prevents weed competition, and maintains structural form.
- **Organic Pest Control:** Use of **eco-friendly pest deterrents** to protect plants without harming the environment.
- **Survival Rate Assessment and Gap Filling:** Periodic tracking of sapling health and replacement of non-surviving plants to maintain consistent green cover.

#### **INSTITUTIONAL OVERSIGHT:**

All irrigation and maintenance activities are **jointly monitored by the Coimbatore City Municipal Corporation (CCMC)** and its environmental partners, including **Siruthuli and other NGOs**, ensuring transparency, accountability, and scientific integrity in plantation care.

**PHOTOGRAPHS:**



Lagoon Revamp Works at Vellalore - Compost Yard



## 8. ENVIRONMENTAL AND SOCIAL IMPACT:

The plantation initiative at the Vellalore Compost Yard has begun to deliver **tangible ecological improvements** and **positive community-level impacts**, reaffirming the value of green infrastructure in urban waste management settings. Key observed benefits include:

### ODOR MITIGATION AND ENVIRONMENTAL BUFFERING:

The establishment of a **dense green buffer zone** comprising native and aromatic tree species has significantly **curbed the spread of foul odours** emanating from composting and legacy waste areas. The vegetative barrier acts as a **natural air filter**, absorbing and neutralizing odorous gases and particulate pollutants, thereby improving the quality of life for nearby residents.

### AESTHETIC AND VISUAL TRANSFORMATION:

Areas that were once barren, **ecologically degraded**, and visually unpleasant have been **transformed into verdant green zones**, enhancing the visual landscape of the site. This transformation not only improves the overall **aesthetic appeal** of the compost yard but also contributes to the site's **social acceptability and public perception**.

### AIR QUALITY IMPROVEMENT AND CARBON SEQUESTRATION:

The trees planted play a vital role in **purifying the ambient air** by trapping **suspended particulate matter (SPM)**, absorbing gaseous pollutants (like NO<sub>2</sub>, SO<sub>2</sub>), and **sequestering atmospheric carbon dioxide**. This has a **direct impact on microclimate regulation**, reduction of urban heat island effects, and long-term climate resilience.

### BIODIVERSITY REVIVAL AND HABITAT CREATION:

The increasing presence of **native birds, butterflies, bees, and pollinator species** across the plantation zones is a strong indicator of **ecosystem revival**. The mix of flowering, fruit-bearing, and shade-giving species provides **shelter, nectar, and nesting spaces**, thereby contributing to the **restoration of local biodiversity** and supporting ecological balance.

**Community Initiative:** The afforestation initiative at the Vellalore Compost Yard has also played a crucial role in **strengthening environmental awareness** and civic responsibility among local communities. Through **community-driven plantation drives, school outreach programs, and volunteer mobilization**, the project has fostered a **sense of ownership and**

**stewardship** among residents, students, and civic groups. This inclusive approach has enhanced public understanding of **urban ecological challenges** and the role of nature-based solutions in addressing them.

## 9. TREE PLANTATION CEREMONY





**10. PLANTATION MAPS AND PLAN**



## 11. SPECIES LIST WITH COUNTS AND PLANTING LOCATIONS

As part of the large-scale afforestation initiative at the **Vellore Compost Yard**, a total of **35,000 native tree saplings** has been planted across **46 acres** of reclaimed and buffer land. The plantation design balances **species diversity**, **ecological value**, and **spatial optimization**, contributing to both environmental recovery and long-term site sustainability.

### By Tree Type (Native Species):

S. No	Tree Species	No. of Saplings	Approx. %
	Neem (Azadirachta indica)	4150	11.86
2	Indian Tulip (Thespesia)	3900	11.14
3	Pongamia (Pongamia pinnata)	3200	9.14
4	Peepal (Ficus religiosa)	2700	7.771
	Marutham ( Terminalia Arjuna)	4500	12.86
6	Amla (Phyllanthus emblica)	3650	10.43
7	Vaagai (Albizia Lebbeck)	2350	6.71
8	Konika ( Cassia Fistula)	2950	8.43
9	Kurinji (Strobilanthes Kunthiana)	2050	5.8
10.	Chinese Parasol (Firmiana Simplex)	2000	5.71
11	Nagamaram (Mesua ferrea)	1550	3
12	Mahogany (Swietenia mahagoni)	1000	2.8
13	Vagarasi (Butea monosperma)	1000	2.8
	<b>Total</b>	<b>35,000</b>	<b>100%</b>

This structured plantation layout not only **maximizes land use efficiency** but also ensures the development of a **layered green canopy**, tailored to the yard's operational zones and ecological recovery requirements.

The Green Covai App also promotes **public participation** by allowing volunteers, students, and residents to adopt trees, monitor their health, and report issues such as pest infestation or water stress. This citizen-driven monitoring enhances **transparency, accountability, and community ownership** of the plantation efforts. By leveraging technology, the *Green Covai* App transforms plantation tracking into a **smart, participatory, and data-driven process**, making it a replicable model for other urban local bodies aiming for **efficient green cover management** and **eco-restoration of degraded spaces** like landfills and dump yards.

### NEWS PAPER ARTICLE ABOUT PLANTATION

7/06/25, 3:42 PM

Over 25,000 saplings to be planted at Vellalore dump yard in Coimbatore - The Hindu

## Over 25,000 saplings to be planted at Vellalore dump yard in Coimbatore

Published - April 07, 2025 05:46 pm IST - Coimbatore

THE HINDU BUREAU



District Collector Pavan Kumar G. Giriappanavar inaugurating the tree-planting initiative at the Vellalore dump yard in Coimbatore on Monday, joined by Mayor K. Ranganayaki and Corporation Commissioner M. Sivaguru Prabhakaran. | Photo Credit: S. Siva Saravanan

In an effort to enhance the green cover and promote environmental sustainability, a large-scale tree plantation initiative was inaugurated on Monday on the Vellalore dump yard premises in Coimbatore.

The initiative was launched by District Collector Pavan Kumar G. Giriappanavar in the presence of Mayor K. Ranganayaki and Corporation Commissioner M. Sivaguru

<https://www.thehindu.com/news/cities/Coimbatore/over-25000-saplings-to-be-planted-at-vellalore-dump-yard-in-coimbatore/article68420605.ece>

1/2

7/06/25, 3:42 PM

Over 25,000 saplings to be planted at Vellalore dump yard in Coimbatore - The Hindu

Prabhakaran. The programme is a joint effort by the Coimbatore Corporation and Siruthuli, a non-governmental organisation.

According to the Corporation, under this initiative, approximately 25,000 tree saplings will be planted across 10 acres within the dump yard premises. Native species such as neem, poovarasan, marutham, pungan, iluppal, and vaagai – comprising around 64 varieties – have been selected for plantation and will be maintained.

Earlier, around 4,200 saplings were planted around the premises by the Corporation, with an additional 800 saplings planted along both sides of the road near the dumpyard and are being maintained.

This greening effort is part of the ongoing measures to protect the environment and rehabilitate the landscape in and around the Vellalore dump yard.

The District Collector and Mayor reviewed the ongoing construction of a pond with a storage capacity of 60 million litres at the dump yard.

Published - April 07, 2025 05:46 pm IST

## 12. PHOTOGRAPHS OF PLANTATIONS

### Plantation at Sanitary Landfill backside at Vellalore Compost Yard:



---

**Plantation at STP Plant backside:**



---

**Plantation near back gate, way to Watch Tower at Vellalore Compost Yard:**



**Plantation near CCMC weigh bridge compound wall:**



**Roadside Plantation near MRF:**



**Plantation in Bio Mining Reclamation Land:**



**Roadside plantation work near New Lagoon:**



**Plantation at New Lagoon area backside - Drip Irrigation system for watering the plants:**



## Plantation by Concessionaire-CIWMCPL



### **FUTURE PROPOSALS FOR PLANTATION**

In continuation of the current afforestation efforts, the Coimbatore City Municipal Corporation (CCMC), in collaboration with Siruthuli and other stakeholders, proposes an **expanded plantation strategy** to achieve 100% green coverage across all reclaimable areas of the Vellalore Compost Yard.

Key Proposals:

#### **1. Expansion of Plantation Area:**

- Extend green cover to an additional **10–15 acres** of reclaimed land, including peripheral zones, slopes near bunds, and less-accessed corners of the yard.

#### **2. Thematic Green Zones:**

- Develop specific plantation zones such as:
  - **Butterfly Gardens**
  - **Medicinal and Herbal Corridors**
  - **Fruit and Shade Tree Groves**
  - **Sacred Groves (Paavai Vanam)** to promote traditional conservation culture

#### **3. Biodiversity Enrichment:**

- Introduce **20–25 additional native species** to increase floristic diversity and support local fauna.

#### **4. Technological Integration:**

- Integrate with the **Green Covai App** for real-time monitoring, geo-tagging, and citizen adoption of trees.
5. **Sustainable Irrigation Expansion:**
    - Complete the second **6-acre lagoon** and link it to the expanded **drip irrigation network**, possibly powered by **solar pumping systems**.
  6. **Community and Institutional Involvement:**
    - Partner with local **schools, colleges, and CSR wings** of industries for plantation drives, tree care programs, and environmental education.
  7. **Long-Term Monitoring and Maintenance:**
    - Develop a **five-year maintenance plan**, including survival tracking, mulching, pruning, pest control, and gap-filling plantations.

This future proposal aims to convert the Vellalore dump yard into a **model eco-restoration site**, ensuring sustainable land use and compliance with environmental mandates of the Hon'ble National Green Tribunal.

### 13. ENGINEERING ASPECTS

To ensure effective and sustainable watering of saplings in the **new plantation zone** located behind the newly constructed lagoon, a **drip irrigation system** has been installed, supported by robust engineering and logistical arrangements:

#### ✓ **Engineering Aspects:**

- Installation of a **gravity-fed or pump-assisted drip irrigation network** with lateral pipelines and emitters placed at root zones for direct watering.
- **Treated wastewater** from the Ukkadam STP (Sewage Treatment Plant) is channelled into the lagoon, from which water is pumped into the drip system.
- The drip lines are designed to **minimize water loss**, improve soil moisture retention, and enable **uniform distribution** across varied topography.

#### **Water Tanker Duty Arrangements**

To supplement the drip irrigation system and ensure uninterrupted watering of saplings—especially during power outages, system flushing, or peak summer conditions—**dedicated water tanker arrangements** have been put in place at the Vellalore Compost Yard.

#### ✓ **Key Operational**

**Details: Daily Duty Roster:**

A **daily tanker deployment schedule** is maintained by the site supervisor in coordination with the engineering wing and horticulture team.

**Source of Water:**

Tankers draw **treated wastewater** from the **Ukkadam Sewage Treatment Plant (STP)** or from the **on-site lagoon reservoirs** established by the Corporation.

**Coverage Area:**

Tankers are primarily deployed in **newly planted zones**, especially in the **backside area near the new lagoon**, where the terrain or pipeline layout may limit regular drip access.

**Supervision & Log Maintenance:**

A **designated field staff** member is responsible for logging each trip, ensuring equitable water distribution, and addressing dry patches through **spot watering**.

These arrangements provide a **reliable contingency** for the irrigation network and play a crucial role in maintaining **sapling health and survival**, particularly during the initial establishment phase.

✓ **Benefits and Purpose of Irrigation System:**

- Ensures **optimal growth and high survival rate** of saplings, particularly during dry months.
- Reduces **water wastage** and labor-intensive manual watering.
- Supports the **re-use of treated wastewater**, aligning with sustainable resource management.
- Facilitates **easy monitoring and maintenance**, especially in newly reclaimed or difficult-to-access zones.

**14. INNOVATIVE PRACTICE- GREEN COVAI APP**

As part of its commitment to sustainable urban forestry and transparent monitoring, the Coimbatore City Municipal Corporation (CCMC) has introduced the **‘Green Covai’ App**, an innovative digital platform designed to **track, monitor, and manage tree plantations** across the city, including the Vellalore Compost Yard. This mobile and web-based application enables **real-time geo-tagging** of planted saplings, allowing each tree to be uniquely identified and tracked over time. The app facilitates **live status updates** on sapling growth, survival rate, irrigation schedules, and maintenance activities. Users, including officials, NGOs, and citizens, can upload **photos and field data**, which are then integrated into a centralized database for analysis and reporting.

The article reports on the **launch of a large-scale tree plantation drive** at the **Vellalore dump yard** in Coimbatore. This initiative is part of the **environmental restoration and greening efforts** undertaken by the **Coimbatore City Municipal Corporation (CCMC)** in collaboration with the **NGO-Siruthuli**.

✓ **Key Highlights:**

1. **Objective of the Plantation:**

- To **enhance green cover** in and around the legacy waste site.
- To promote **environmental sustainability** and **landscape rehabilitation** of degraded landfill areas.

2. **Scale of the Project:**

- Around **25,000 saplings** are to be planted on approximately **10 acres** within the dump yard premises.
- In addition to the current drive, **4,200 saplings** had already been planted around the yard earlier.
- Another **800 saplings** were planted along **both sides of the road** near the dump yard.

3. **Tree Species:**

- Focus on **native species** for better environmental adaptability and ecological balance.
- Mentioned species include:
  - **Neem, Poovarasam** (*Thespesia populnea*), **Marutham** (*Terminalia arjuna*),
  - **Pungan** (*Pongamia pinnata*), **Iluppai** (*Madhuca longifolia*), and
  - **Vaagai** (*Albizia lebbek*), among **64 varieties** in total.

4. **Inauguration:**

- The event was launched by **District Collector Pavankumar G. Giriappanavar**, with participation from **Mayor K. Ranganayaki** and **Corporation Commissioner M. Sivaguru Prabakaran**.

5. **Supporting Infrastructure:**

- The officials also reviewed the **construction of a 60 million litre capacity pond** (lagoon) at the dump yard to aid **water storage**—possibly for irrigation use in plantation areas.

**Purpose and Significance:**

- This plantation project is a key part of **Coimbatore's green recovery plan** for the Vellalore landfill.
- It aligns with the **National Green Tribunal's directives** for environmentally sound landfill management.
- The use of **native trees** and **community participation (via NGOs like Siruthuli)** makes the initiative **ecologically sustainable and socially inclusive**.

## 15. CONCLUSION

The afforestation program at the Vellalore Compost Yard stands as a **model intervention for the ecological restoration** of legacy waste disposal sites. With over **35,000 saplings planted across 46 acres**, the initiative has not only **significantly improved the site's environmental quality**, but also laid the foundation for **long-term ecological resilience**, soil regeneration, and biodiversity revival.

This project demonstrates how **collaborative governance**, involving municipal authorities, NGOs, private agencies, and citizens, can lead to **transformative environmental outcomes**. Furthermore, the initiative aligns with the **directives of the Hon'ble National Green Tribunal**, particularly in the areas of **sustainable landfill management, green buffer development, and reuse of treated wastewater** for plantation.

The project underscores the importance of:

- **Continued monitoring and adaptive management**
- **Sustained community involvement**
- **Ongoing inter-agency coordination**

These are essential to ensure the **success, sustainability, and replicability** of the model in other urban centers grappling with similar legacy waste and environmental degradation issue.

---

**ANNEXURE VII**  
**(MEETING LETTER BY MAWS)**

**Most Immediate/Direction of  
NGT Meeting on 29.07.2025**



**Municipal Administration  
and Water Supply  
Department, Secretariat,  
Chennai-9**

**Letter No.12170/MC4/2023 - 5, dated 18.07.2025**

**From**

Dr.D.Karthikeyan, I.A.S.,  
Principal Secretary to Government.

**To**

The Additional Chief Secretary to Government,  
Environment, Climate Change and Forest department,  
Secretariat, Chennai - 600 009.

The Additional Chief Secretary to Government,  
Revenue and Disaster Management Department, Secretariat,  
Chennai - 600 009.

The Additional Chief Secretary to Government,  
Rural Development and Panchayat Raj Department, Secretariat,  
Chennai - 600 009.

The Additional Chief Secretary to Government,  
Housing and Urban Development Department, Secretariat,  
Chennai - 600 009.

The Principal Secretary to Government,  
Finance Department or his nominee,  
Secretariat, Chennai - 600 009.

The Secretary to Government,  
Water Resources Department, Secretariat,  
Chennai - 600 009.

The Chairperson/ Chairman, Tamil Nadu Pollution Control Board,  
Chennai - 600 032.

The Director of Municipal Administration, Chennai-600 028.

The Commissioner, Coimbatore Corporation. (through VC)  
The District Collector, Coimbatore - 641 018. (through VC)

**Sir,**

**Sub:** NGT - O.A.No.523 of 2018 (PB) with O.A.No.127 of 2022 (SZ) with O.A.No.156 of 2024 (SZ) - Orders of the NGT dated 23.06.2025 - Directions of NGT(SZ) - Meeting on 29.07.2025 - draft report along with presentation - Called for - Regarding.

**Ref:** 1. G.O(2D)No. 46, Municipal Administration and Water Supply (MA4)Department, Dated 11.11.2022.  
2. Orders of NGT (SZ) in O.A.No.523 of 2018 (PB) with O.A.No.127 of 2022 (SZ) with O.A.No.156 of 2024 (SZ) dated 23.06.2025.

\*\*\*\*\*

I am directed to invite attention to the references cited and to state that the principal bench of National Green Tribunal, New Delhi has Suo Motu registered a case as O.A.No.374 of 2024 (PB) based on the news item published in 'The Hindu'

dated 07.04.2024 titled, "Fire Breaks out at Vellalore landfill in Coimbatore", and the same has been transferred to south zone bench and renumbered as O.A.No.156 of 2024 (SZ).

2. During the hearing on 23.06.2025, the NGT(SZ) in its order 2<sup>nd</sup> cited, among others has directed the Commissioner, Coimbatore Corporation to file a report on the plantation in the reclaimed land and directed the TNPCB to conduct an inspection on the site and submit a report on a monthly basis.

3. Further, the NGT (SZ) has directed as follows:

"12. The learned counsel appearing for the Coimbatore City Municipal Corporation would state that in the phase in which today they are operating with the 3 tromeels, the process is expected to be completed only in April 2027, which is beyond 24 months from today.

13. We only direct the Coimbatore City Municipal Corporation to do the segregation on a war footing and aim at clearing the entire waste by the end of this year. In this regard, let the Commissioner - Coimbatore City Municipal Corporation file a detailed report with the time frame and their plan of action to achieve the goal in consultation with the Committee headed by the Additional Chief Secretary to Government, Department of Municipal Administration and Water Supply, which has been constituted to monitor the implementation of Solid, Liquid, and Other Waste Management Rules in compliance with the directions issued by this Tribunal in O.A. Nos. 268 of 2016 (SZ), 146 of 2020 (SZ), 54 of 2020 (SZ), 61 of 2020 (SZ), and other similar matters.

14. Let the Committee headed by the Additional Chief Secretary to Government, Department of Municipal Administration and Water Supply for monitoring the implementation of Solid/ Liquid/ Other Waste Management Rules, as referred to above, also file a report regarding the cooperation extended in achieving the above task."

.....  
"16. Post the matter on 07.08.2025."

4. Therefore, in accordance with the above directions of the Hon'ble NGT(SZ), it is proposed to convene a meeting of the above said committee constituted vide the Government Order first cited on 29.07.2025 at 12.30 PM in the Municipal Administration and Water Supply Department Conference Hall, 8<sup>th</sup> floor, Namakkal Kavingar Maaligai, Secretariat. I am therefore directed to request you to attend the meeting with relevant details.

5. The Director of Municipal Administration/ Commissioner, Coimbatore Corporation are requested to furnish relevant materials/presentation in this regard to all the members of the Committee, in time.

Yours faithfully,

எம்.கே. சுவாமிநாதன்

for Principal Secretary to Government.

**Copy to:**

The Senior Principal Private Secretary to Principal Secretary to Government,  
Municipal Administration and Water Supply Department, Secretariat,  
Chennai - 600 009.

**ANNEXURE VIII**  
**(PRESENTATION COPY OF MEETING)**

# Coimbatore City Municipal Corporation



Subject: NGT Cases - Discussion to arrive workable solution with Committee

---

Case No.: ( i ) O. A No: 523 of 2018 (PB) with ( i i ) O.

A No. 156 of 2024 (SZ) with ( i i i ) O. A

No. 127 of 2022 (SZ)

Venue: Municipal Administration and water supply Department, Secretariat – Chennai

Date: 29.07.2025

# CONTENTS

- Proceedings & Orders in 23.06.2025 hearing
- Response from CCMC for the Orders in 23.06.2025 hearing
- Vellalore Aerial View Photograph
- Land Allocations at Vellalore Compost Plant
- CCMC Waste Processing Facilities Break Up
- Lagoon, Watch Tower and Fire Hydrant Photographs

**Orders dated 23.06.2025**

## Proceedings during 23<sup>rd</sup> June 2025 Hearing

1. Today, the report of the Coimbatore City Municipal Corporation dated 20.06.2025 is filed.
2. The report reflects the Coimbatore City Municipal Corporation's progress in managing municipal solid waste, implementing sustainable solutions and eliminating the open dumping at the Vellalore Compost Yard.
3. Along with the report, a Google map is furnished, indicating new tree plantations in several locations, tree-planted areas, and the Vellalore wall. Additionally, 1 Acre of land has been reclaimed, according to the Coimbatore City Municipal Corporation.
4. There is a legacy waste of 7,94,139 MT in the Vellalore area. However, it is stated by Mr. Elango - Executive Engineer, who is present in Court that the segregation is made only by 3 No. of the trommels through a contractor.

## Proceedings during 23<sup>rd</sup> June 2025 Hearing

5. The Coimbatore City Municipal Corporation has taken up a study with the Centre for Environmental Studies, Anna University and the report of June 2025 is also filed. As per the report, the Coimbatore City Municipal Corporation has engaged M/s. DJG Energy Solutions Private Limited, as the concessioner, for the removal of 9,40,044 M3 of the legacy waste at the Vellalore dump site of the Corporation through a bio-mining process on a design, build, own and operate basis. The said bio-mining work was initiated in February 2021.

6. As per the report, there was a fire in the Vellalore dump site on 06.04.2024, after which, the CES team visited the dump site on 10.12.2024, and the total legacy waste present on the said date is about 9,92,674 MT. The said report has not mentioned about the disposal of the processed materials stored at the site. The report also fails to specify the time frame within which the entire process is proposed to be completed.

## Proceedings during 23<sup>rd</sup> June 2025 Hearing

7. However, the Commissioner's report states that the Coimbatore City Municipal Corporation has taken the initiative to reduce open dumping by a great massiveness.

8. We are surprised to note that the segregation percentage from November 2023 till May 2025 has drastically reduced from 36% to 15%, whereas the processing waste quantity has increased from 64% to 85%.

9. The report is silent about the reasons for the said reduction in segregation. Upon enquiry, we understand that they have engaged only 3 tromeels, which is only a very negligible number considering the quantity of waste to be segregated.

10. The Executive Engineer, who is present in Court, agreed to increase the number of tromeels or engage a 'Power Screen Warrior 1200', as has been suggested in the earlier hearings so that at least 10,000 tons per day can be processed. The Corporation can also explore the possibility of hiring any other latest sophisticated machinery in this regard.

## Proceedings during 23<sup>rd</sup> June 2025 Hearing

11. Let the Coimbatore City Municipal Corporation also furnish a better report on the plantation in the reclaimed land.
12. The learned counsel appearing for the Coimbatore City Municipal Corporation would state that in the phase in which today they are operating with the 3 trommels, the process is expected to be completed only in April 2027, which is beyond 24 months from today.
13. We only direct the Coimbatore City Municipal Corporation to do the segregation on a war footing and aim at clearing the entire waste by the end of this year. In this regard, let the Commissioner - Coimbatore City Municipal Corporation file a detailed report with the time frame and their plan of action to achieve the goal in consultation with the Committee headed by the Additional Chief Secretary to Government, Department of Municipal Administration and Water Supply, which has been constituted to monitor the implementation of Solid, Liquid, and Other Waste Management Rules in compliance with the directions issued by this Tribunal in O.A. Nos. 268 of 2016 (SZ), 146 of 2020 (SZ), 54 of 2020 (SZ), 61 of 2020 (SZ), and other similar matters.

## Proceedings during 23<sup>rd</sup> June 2025 Hearing

14. Let the Committee headed by the Additional Chief Secretary to Government, Department of Municipal Administration and Water Supply for monitoring the implementation of Solid/ Liquid/ Other Waste Management Rules, as referred to above, also file a report regarding the cooperation extended in achieving the above task.
  
15. The Tamil Nadu Pollution Control Board is also directed to conduct an inspection of the site and submit a report on a monthly basis in this regard.
  
16. Post the matter on 07.08.2025.

# Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

**Para 5** - Hon'ble Tribunal's observation from June'25 Monthly Progress Report submitted by Centre for Environmental Studies, Anna University.

---

## **Response:**

### Phase I : Cost: Rs.60.11 Crs.

- It is informed that Legacy waste quantity of 9,40,044m<sup>3</sup> processing was commenced on Feb'2021 and completed on 13.03.2024
- RDF Disposal – completed on 08.12.2024 (After 9 months - due to cement industries delayed in receiving the RDF material due to excess material stocked in the respective factories).
- Total RDF quantity – 2,72,936 m<sup>3</sup> (16.37% of total waste processed)

### Phase II : Cost: Rs. 58.54 Crs.

- Work order issued 19.02.2025
- Work commencement date: 06.03.2025

# Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

**Para 6** - Clarification to be provided about disposal of processed material from the phase II biomining project

## Response:

Phase II : Cost: Rs. 58.54 Crs.

- Legacy Waste Quantity Processed: **92,431.18 MT till 28.07.2025**
- RDF Disposed Quantity: 13,300.275 MT (14.39% of total waste processed)

S.No	Disposal Center	Trips	RDF Quantity (in Tons)
1	Ariyalur	92	3249
2	Dalmia	213	9723
3	Chettinad (Keelapalur)	4	80.745
4	Chettinad (Kari Kali)	3	83.105
5	Puliyur	6	164.29

Item	Quantity ( in Tonnes)
Coarse Soil	57,025.69
Fine Soil	3,698.074
Scrap	2,424.893

## **BIOMINING PROCESS**

(Contractor: M/s. DJG ENERGY WASTE MANAGEMENT)



Legacy waste raw material, over 5 years old, is excavated and transported to the facility for bio mining waste processing platform



There are 3 multi-segregated 75 mm , 35mm ,8mm trommel machines available for processing the bio mining waste.

## **BIOMINING PROCESS**

(Contractor: M/s. DJG ENERGY WASTE MANAGEMENT)



Manual segregation of recyclable items is done before feeding into the trommel machine for bio mining



75 mm and 35 mm rejected RDF is shredded and then sent to the cement factory

## **BIOMINING PROCESS**

(Contractor: M/s. DJG ENERGY WASTE MANAGEMENT)



75 mm and 35 mm rejected RDF material is shredded and then transported to the cement factory



Below 8 mm sieved core soil is obtained as the final output

# Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

**Para 8** – Clarification to be provided regarding open dumping and processed waste percentage

---

**Response:**

- The Corporation submits & clarifies that it is to be read as open dumping is drastically reduced from 35.4% (Nov'2023) to 14.9% (May'25)
- Waste processed quantity is increased from 64% (Nov'2023) to 85% (May'25)

# Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

**Para 9** – Clarification to be provided regarding deployment of Trommel

---

**Response:**

- The Corporation has instructed the appointed contractor to deploy additional trommel in the project site.
- The Contractor has commenced installation of one more trommel which shall put in operation at the earliest.

## Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

**Para 10** – Possibilities for Deployment of power screen warrior machines & increasing trommels to be submitted so that to ensure 10,000 TPD legacy waste processing at site.

---

### Response:

- It is observed after analysing the possibilities to process 10,000 TPD, the RDF output will be estimated approximately 1500 TPD, which will be a challenge to dispose to Cement factories.
- Which also will result in stacking more RDF material at project site.
- Due to upcoming monsoon season, the stored RDF material will not be acceptable by Cement Factories due to moisture content.
- The work has been awarded to the Contractor (M/s. DJG Energy Pvt. Ltd) with agreed scope of work and the methodology to execute the project. At this juncture, revising the methodology will be conflict to tender conditions and the option to hire any sophisticated equipment will have significant cost implications.
- Instead, Corporation have instructed the Contractor to deploy additional trommel (1 No.) and increase operation timing in his daily operations. Which results in 300-400TPD additional processing quantity and reduce in 3 – 4 months from the 24 months contract duration.

# Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

## Para 10 – Draft Action Plan

Operation Methodology	
Current Operation Method: 2 Shifts, 8 Hrs per shift time, 3 Trommels Processing Quantity	1500 Tonne / 1000 Tonnes
Per Hour	90 / 93.75 T
Per Trommel per day	500
New Proposal as per Draft Action Plan (4 Trommels)	
10 Hrs Per Shift (Add 4 Hours per day)	900
20 Hrs Per Day (2 shift)	1,800
Total MT per month (26 Days)	46,800
Balance Quantity MT	6,97,061
Total Months to complete the balance quantity	15

Total Tender Quantity (MT)		7,94,139.00
Completed Quantity (in MT) Up to July-27		97,077.52
<b>Balance Quantity (in MT)</b>		<b>6,97,061.49</b>
<b>S.No</b>	<b>Month</b>	<b>Legacy Waste Qty ( in MT)</b>
1	Aug-25	46,800.00
2	Sep-25	46,800.00
3	Oct-25	46,800.00
4	Nov-25	46,800.00
5	Dec-25	46,800.00
6	Jan-26	46,800.00
7	Feb-26	46,800.00
8	Mar-26	46,800.00
9	Apr-26	46,800.00
10	May-26	46,800.00
11	Jun-26	46,800.00
12	Jul-26	46,800.00
13	Aug-26	46,800.00
14	Sep-26	46,800.00
15	Oct-26	41,861.49
<b>Total</b>		<b>6,97,061.49</b>

## Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

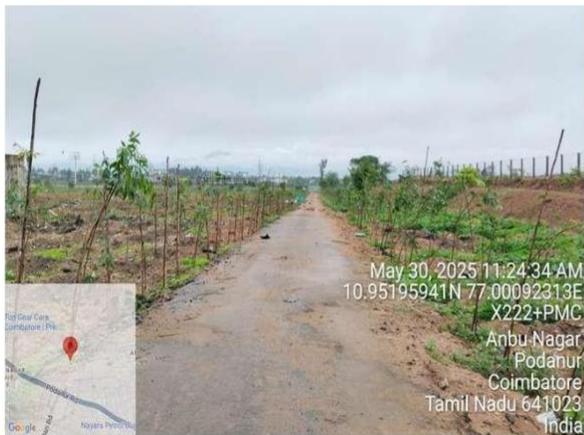
**Para 11** – Detailed report on Plantation activities in reclaimed land.

### Response –

- The below table will demonstrate the current plantation at Vellalore Compost Yard.
- Reclaimed land (54 Acres) from Phase I project shall be utilized for constructing Waste to Energy plant (25 Acres) and BioCNG plant (15 Acres).
- The Balance area will also be utilized for tree plantation works

	Agency	No. of Trees Planted	Remarks
1	Coimbatore Corporation	10,500	15 Acres
2	Coimbatore corporation + NGO + Contractor	12,500	12 Acres
3	Contractor	9,500	11 Acres
4	NGO	2500	8 Acres
	Total	35000	46 Acres

# Tree Plantation at Vellalore - Compost Yard



# Response for Orders during 23<sup>rd</sup> June 2025 Hearing

[O.A. No. 127 of 2022 (SZ); O.A. No. 156/2024 (SZ); EA No. 11/2023 (SZ) ]

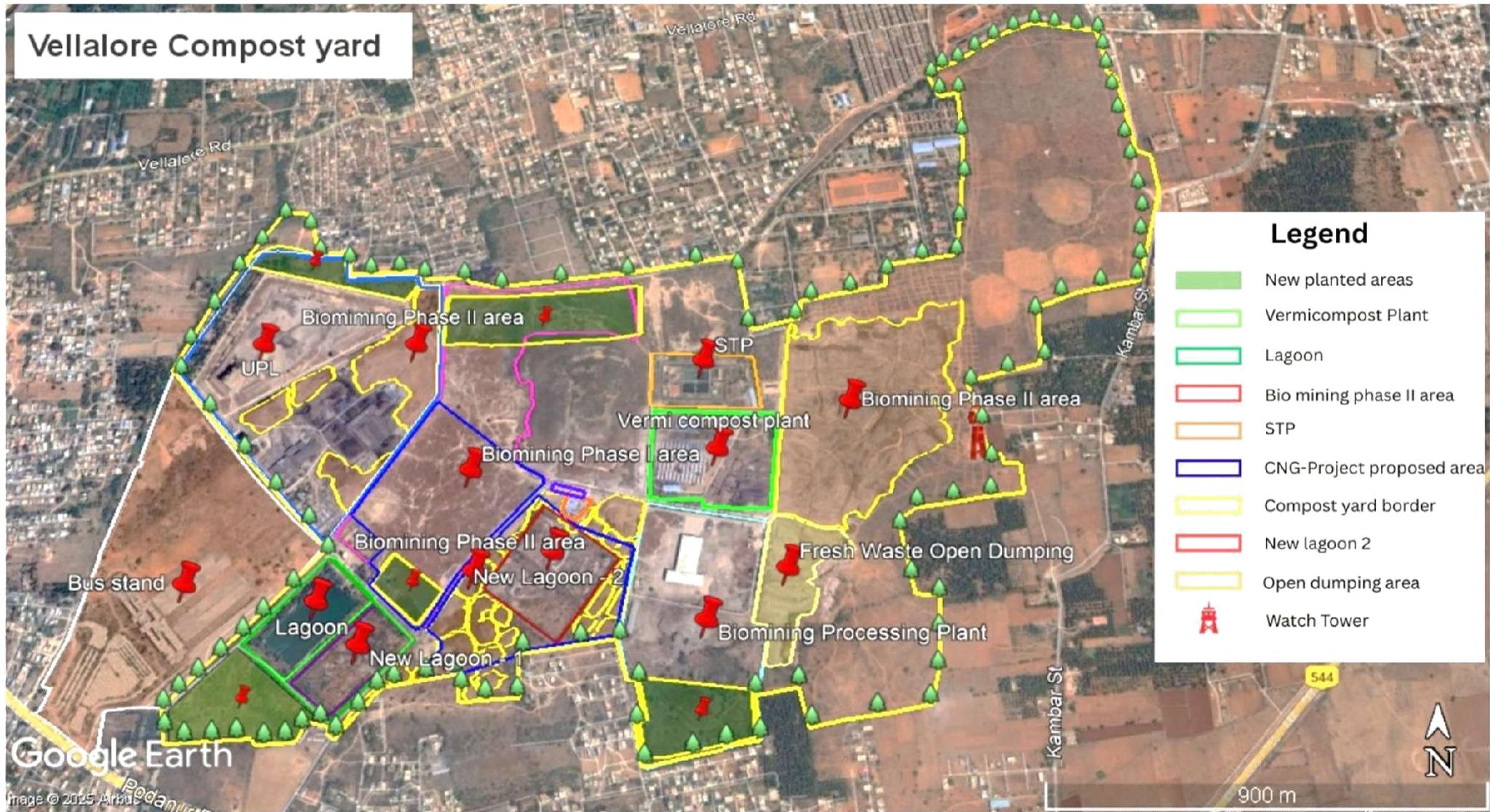
**Para 13** – Detailed plan of action report to achieve the goal (clearance of waste within end of 2025) by consulting Additional Chief Secretary.

---

## Response –

- Revised action plan will be submitted based on increase in daily operational hours and the deployment of additional trommel equipment.
- Target Completion period shall be 31.10.2026.

Vellalore Compost yard



Legend

- New planted areas
- Vermicompost Plant
- Lagoon
- Bio mining phase II area
- STP
- CNG-Project proposed area
- Compost yard border
- New lagoon 2
- Open dumping area
- Watch Tower

Google Earth

Image © 2025 Airbus

900 m



544

## Land Allocations at Vellalore Compost Plant

S.No.	Description	Area (in Acres)	Status
<b>1.</b>	<b>Total Area</b>	<b>654.00 Acres</b>	
	<b>Other Department</b>		
	Bus Stand	54.15	Partly Completed
	RAF Quarters	57.60	Functioning
	Housing	50.25	Functioning
	<b>Total Area</b>	<b>162.00 Acres</b>	
<b>2.</b>	<b>Land available for dump yard</b>	<b>492.00 Acres</b>	
	Land Allotted within dump yard area		
	TWAD Board for STP	15.32	In Operation
	Coimbatore Integrated Waste Management Co. Pvt. Ltd (Windrow Composting)	80.00	In Operation
	Bio Mining Processing Plant	35.00	In Operation
	Vermicompost Processing Plant	15.00	In Operation
	MRF & Chicken Waste Processing Plant	0.85	In Operation
	Bio mining Phase II Project	84.62	Work Commenced
	Lagoon	15.00	In use
	Fresh Waste	8.00	To be Disposed
	<b>Total Area Utilized</b>	<b>253.79 Acres</b>	
	<b>Balance Free Land</b>	<b>238.21 Acres</b>	Including Biomining Phase I recovered land

## CCMC Existing Processing Facilities

S.NO	Processing Center	Type of Waste	Quantity/Capacity Details (TPD)	Name of Contractors
1	Windrow Composting	Wet	550	M/s. Coimbatore Integrated Waste Management Co. Pvt Ltd.
2	Vermicomposting	Wet	100	M/s. Nilla Blooms & Scappes
3	MCC	Wet	35	Outsourced
4	Recyclables and RDF Processing	Dry	240	M/s. Coimbatore Integrated Waste Management Co. Pvt Ltd.
5	MRF	Dry	50	Outsourced
6				
7	Open Dumping	Mixed Waste		
<b>Total Waste Collected/Processed Per day</b>				

# Photographs

## Lagoon Revamp Works at Vellalore - Compost Yard



## Vellalore Watch tower



To mitigate fire incidents in the open dumping area, a **60-ft watchtower** with solar power and perimeter fencing has been installed at the Vellalore compost yard

## Emergency water pipeline installation at Vellore



*Thank  
you!*

**ANNEXURE IX**  
**MINUTES OF MEETING – CCMC**

**MINUTES OF MEETING OF THE COMMITTEE HEADED BY THE PRINCIPAL SECRETARY TO GOVERNMENT, MUNICIPAL ADMINISTRATION AND WATER SUPPLY DEPARTMENT HELD ON 29.07.2025 AT 12:30 PM.**

In the Chair: Thiru. Karthikeyan, I.A.S., Principal Secretary, MAWS (Through VC)

Thiru. P. Madhusudhan Reddy, I.A.S, DMA (Through VC)

Attendees:

1. The Commissioner, CCMC
2. Elangovan G, EE
3. Jeevaraj S, AE
4. Saravanan S, Infra En (PMC)

The Following Points Were Discussed During the Meeting:

1. The Commissioner presented the presentation, briefed the NGT order proceedings dated 23.06.2025.
2. The Commissioner explained the Principal Secretary, MAWS, about the Phase I biomining project and highlighted the delay occurred in disposing the RDF material due to cement industries delayed in receiving the RDF material due to excess material stocked in the respective factories.
3. The Principal Secretary instructed Commissioner to explore more options/industries to dispose the RDF material. Also requested District Collector to assist Commissioner Coimbatore in this regard. Similarly instructed TNPCB to guide the cement industries to modify their processing facilities to receive more RDF materials to mitigate this challenge.
4. The Commissioner also briefed the Phase II progress status stating as on date a total of 92,431 metric tons of legacy waste has been processed, and 13, 300 metric tons of RDF have been disposed of.
5. It is also explained that in the previous affidavit the open dumping percentage is mis represented as segregation percentage and the same will be clarified in the coming affidavit submission.
6. Regarding the possibilities for deployment of power screen warrior machines & increasing trommels so that to ensure 10,000 TPD legacy waste processing at site. The Commissioner briefed to the Principal Secretary that, after analyzing the possibilities to process 10,000 TPD, the RDF output shall be estimated 1500 TPD, which will be a challenge to dispose to Cement factories. Which also will result in stacking more RDF material at project site. Due to upcoming monsoon season, the stored RDF material will not be acceptable by Cement Factories due to the moisture content. Also, the work has been awarded to the Contractor (M/s. DJG Energy Pvt. Ltd) with agreed scope of work and the methodology to execute the project. At this juncture, revising the methodology will be conflict to tender conditions and the option to hire any sophisticated equipment will have significant cost implications. However, Corporation have instructed the Contractor to deploy additional trommel (1 No.) and increase operation timings in his daily operations. Which results in 300-400TPD additional processing quantity and reduce in 3- 4 months from the 24 months contract

duration.

7. Based on the above said proposal a draft action plan is presented to the Committee in which it is presented that the balance legacy waste quantity 6,97,061.49 MT will be completed by October 2026 which will significantly reduce 6months from the original contract duration (April 2027).
8. The Commissioner stated that the fourth trommel would become operational within one month and requested a ten-month extension for the overall completion of the project.
9. In the meeting, Commissioner presented the summary of tree plantation works done at Vellalore and informed a brief report shall be submitted as directed by the NGT.
10. The revised action plan will be reviewed by the committee and will be intimated to Commissioner Coimbatore.

-----

## ANNEXURE X

### DETAILED ACTION PLAN FOR LEGACY WASTE CLEARANCE AT VELLALORE DUMP YARD

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL SOUTHERN ZONE,  
CHENNAI IN THE MATTER OF:**

**Legacy Waste Management and Bio-Mining at Vellalore Compost Yard, Coimbatore**

---

**Most Respectfully Submitted:**

This submission is made in compliance with the directions of the Hon'ble Tribunal for the time-bound and environmentally compliant clearance of legacy waste from the Vellalore Dump Yard, Coimbatore.

---

#### 1. Introduction

Under the awarded tender, the total quantity of legacy waste at the Vellalore Dump Yard is 7,94,139 metric tonnes (MT). As on 27th July 2025, a cumulative quantity of 97,077.52 MT has been processed, resulting in a balance of 6,97,061.49 MT to be cleared.

In order to ensure systematic, phased, and time-bound clearance, a monthly target of 46,800 MT has been fixed from August 2025 to September 2026, with a slightly reduced quantity in October 2026 to match the remaining balance. The monthly plan has been designed considering current processing capacity, site readiness, and compliance with environmental standards.

---

#### 2. Month-wise Legacy Waste Clearance Plan

S. No	Month	Target Quantity (MT)
1	Aug-25	46,800.00
2	Sep-25	46,800.00
3	Oct-25	46,800.00
4	Nov-25	46,800.00
5	Dec-25	46,800.00
6	Jan-26	46,800.00
7	Feb-26	46,800.00
8	Mar-26	46,800.00
9	Apr-26	46,800.00
10	May-26	46,800.00
11	Jun-26	46,800.00

S. No	Month	Target Quantity (MT)
12	Jul-26	46,800.00
13	Aug-26	46,800.00
14	Sep-26	46,800.00
15	Oct-26	41,861.49
	<b>Total</b>	<b>6,97,061.49</b>

### 3. Revised Operational Plan as per Draft Action Plan

Considering the directions issued by the Hon'ble National Green Tribunal, the operational strategy for legacy waste clearance has been revised and accelerated to meet the stipulated deadlines.

The revised proposal includes:

**Working Shifts: Two shifts per day**

**Working Hours: 10 hours per shift (20 hours/day)**

**Processing Capacity:**

- 900 MT per shift
- 1,800 MT per day
- 46,800 MT per month (based on 26 working days)

This enhanced model allows for continuous and efficient waste processing with improved resource utilization and optimized manpower deployment.

### 4. Completion Timeline

**Total Balance Quantity (as on July 27, 2025): 6,97,061.49 MT**

**Monthly Clearance Capacity: 46,800 MT**

**Planned Completion Period: 15 months**

**Target Completion: October 2026**

### 5. Compliance and Monitoring

The revised action plan is structured to comply with environmental safeguards and is aligned with the directives of the Hon'ble Tribunal. Monthly progress will be monitored and reported for transparency and accountability. This plan ensures sustainable remediation of legacy waste while adhering to all legal and ecological obligations.

ANNEXURE XI

Mr. Adv. Naseeb Usman Khan, Advocate Counsel – CCMC Site Visit Photographs  
Vellore Dump Yard



Tree Plantation Works



Lagoon Revamp Works



Tree Plantation Water Tanker Duty works



Fire Protection and plantation watering arrangements



Phase II Biomining Project Progress



Phase II Biomining Project Progress



Phase II Biomining Project Progress



Phase II Biomining Project Progress



Phase II Biomining Project Progress



Phase II Biomining Project Progress



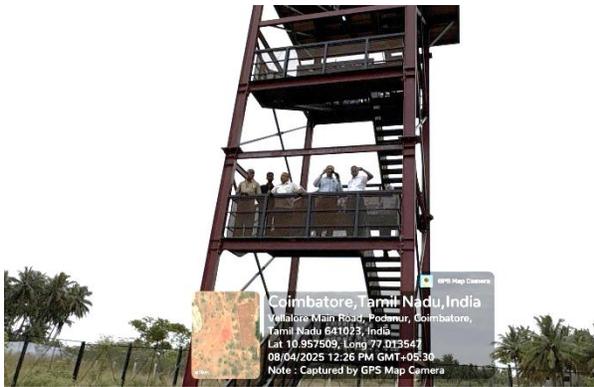
Phase II Biomining Project Progress – 4<sup>th</sup>  
Trommel Maintenance works



Phase II Biomining Project Progress



**Phase I Recovered Land – Bio CNG Plant Phase I Recovered Land – W2E Plant Location**



**Fire Prevention - Watch Tower**

**RDF Disposal Arrangements**



**Phase II Biomining Project Progress – 4<sup>th</sup> Trommel Maintenance works**

**Tree Plantation NGO Collaboration**