

## Annual Report Submission for the year of 2024 -2025

| Section A |                                                                                                                                                                   |                                            |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| S. No.    | Question                                                                                                                                                          | Answer                                     |
| 1         | Name of the State / UT:                                                                                                                                           | Tamil Nadu                                 |
| 2         | Name & Address of SPCB / PCC                                                                                                                                      |                                            |
|           | Name                                                                                                                                                              | Tamil Nadu Pollution Control Board         |
|           | Address                                                                                                                                                           | No. 76 Mount Salai, Guindy, Chennai 600032 |
| 3         | Contact Email                                                                                                                                                     | memsec@tnpcb.gov.in                        |
| 4         | Contact Phone No.                                                                                                                                                 | 8056042268                                 |
| 5         | Details of Plastic Waste Management (State Level)                                                                                                                 |                                            |
|           | Collection (MT)                                                                                                                                                   | 7,89,788.62                                |
|           | Segregation (MT)                                                                                                                                                  | 3,97,854.64                                |
|           | Processing including recycling (MT)                                                                                                                               | 2,53,750.84                                |
|           | Disposal (MT)                                                                                                                                                     | 70,963.01                                  |
| Section B |                                                                                                                                                                   |                                            |
| S. No.    | Question                                                                                                                                                          | Answer                                     |
| 1         | Summary of the mechanisms put in place for management of Plastic waste in your State / UT along with the details of agencies involved (Please attach the details) | File Attached / Annexure 2                 |
| 2         | Please attach details of infrastructure put in place for management of plastic waste generated in your State / UT                                                 | File Attached / Annexure 3                 |
| 3         | Total no. of MRF Facilities                                                                                                                                       |                                            |
| a)        | No. of Mechanical MRF Facilities                                                                                                                                  | 166                                        |
|           | Total Capacity Available (TPA)                                                                                                                                    | 80,886                                     |
|           | Total Capacity Utilised (TPA)                                                                                                                                     | 35,430                                     |
| b)        | No. of Manual MRF Facilities                                                                                                                                      | 1,207                                      |
|           | Total Capacity Available (TPA)                                                                                                                                    | 4,06,787                                   |
|           | Total Capacity Utilised (TPA)                                                                                                                                     | 2,90,691                                   |
| Section C |                                                                                                                                                                   |                                            |
| S. No.    | Question                                                                                                                                                          | Answer                                     |
| 1         | Total numbers of the Urban Local Bodies (ULBs) in the area under jurisdiction                                                                                     | 651                                        |
| 2         | No. of ULBs who have submitted Annual Report                                                                                                                      | 642                                        |

| S. No. | Question                                                                                                                                                  | Answer                     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 3      | Total Numbers of the Gram Panchayat (GPs) in the area under jurisdiction                                                                                  | 12,525                     |
| 4a     | Total number of Panchayati Raj institution at District Level                                                                                              | 37                         |
| 4b     | No. of Panchayati Raj institution at District Level who have submitted annual report                                                                      | 33                         |
| 5      | Please confirm that all GPs / ULBs have provided complete information in stipulated time as per format prescribed by CPCB (Yes / No)                      | No                         |
| 6      | Please provide no. of ULBs / GPs which have not submitted complete information within the stipulated time frame                                           | 12                         |
|        | Attach list of District Panchayats and ULBs who have not submitted annual reports                                                                         | File Attached / Annexure 4 |
| 7      | Please provide total amount of EC levied on PRI at District Level / ULBs who have not submitted annual report as per prescribed timelines under the rules | 0                          |
|        | Attach list of District Panchayats and ULBs on whom EC has been levied including amount                                                                   | -                          |
| 8      | Quantity of Plastic Waste generated (Tonnes) as per CPCB methodology (CAT 1 /                                                                             |                            |
|        | CAT 1                                                                                                                                                     | 2,87,019                   |
|        | CAT 2                                                                                                                                                     | 1,50,406                   |
|        | CAT 3                                                                                                                                                     | 1,88,214                   |
|        | CAT 4                                                                                                                                                     | 19,365                     |
|        | CAT V                                                                                                                                                     | 4,787                      |
|        | Other                                                                                                                                                     | 1,42,410                   |
| 9      | Quantity of Plastic Waste collected (Tonnes)                                                                                                              | 7,89,789                   |
| 10     | Plastic Waste Segregated (Tonnes)                                                                                                                         | 3,97,855                   |

| S. No. | Question                                                                                                                                                              | Answer                                                               |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 11     | Please confirm that all Local bodies / GPs have carried out Assessment of Plastic waste generation & characterisation as per methodology specified by CPCB (YES / NO) | No                                                                   |
| 12     | Please upload Plastic Waste Characterization Report as per methodology specified by CPCB                                                                              | File Attached / Annexure 5 - Coimbatore report by GiZ to be uploaded |
| 13     | Please confirm that data validation and reconciliation for ULB and PRI at District Level has been done as per methodology specified by CPCB (Yes / No)                | No                                                                   |

#### Section D

| S. No. | Question                                                                        | Answer                     |
|--------|---------------------------------------------------------------------------------|----------------------------|
| 1      | Total number of ULBs registered on EPR                                          | 158                        |
| 2      | Details of Plastic Waste Processors                                             |                            |
|        | Name                                                                            | Nil                        |
|        | Type (Recycler / Coprocesser /                                                  | Recycler                   |
|        | Registration No                                                                 | 0                          |
|        | PW ( Cat - I)                                                                   | 148610                     |
|        | PW ( Cat - II )                                                                 | 39343.8                    |
|        | PW ( Cat - III )                                                                | 8200                       |
|        | PW ( Cat - IV)                                                                  | 0                          |
|        | PW ( Cat - V)                                                                   | 0                          |
|        | Others                                                                          | 0                          |
| 3      | Plastic Waste Processed through PWP's (TPA)                                     |                            |
|        | Type of PWP's                                                                   | CAT 1CAT 2CAT 3CAT 4CAT 5  |
|        | Recycler                                                                        | 117631879213900            |
|        | Coprocessors                                                                    | 07257141200                |
|        | Waste to Energy                                                                 | 00000                      |
|        | Waste to Oil                                                                    | 00000                      |
|        | Road Making                                                                     | 00000                      |
| 4      | Audit & Levying of Environmental Compensation (EC) (To be auto fetched from the |                            |
| a)     | No. of Entities (PIBOs / PWP's) audited                                         | 2                          |
|        | Audited Report                                                                  | File Attached / Annexure 6 |
| b)     | No. of Entities (PIBOs / PWP's) faced in Violation                              | 1                          |
|        | List of Entities                                                                | File Attached / Annexure 7 |

| S. No. | Question                                                                                                                   | Answer                     |                        |                                  |                                                             |
|--------|----------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|----------------------------------|-------------------------------------------------------------|
| c)     | EC levied on violating Entities (PIBOs / PWPs)                                                                             | 1                          |                        |                                  |                                                             |
|        | List of Entities with amount (INR)                                                                                         | File Attached / Annexure 8 |                        |                                  |                                                             |
|        | SECTION E                                                                                                                  |                            |                        |                                  |                                                             |
|        | Implementation of ban imposed under Rule 4 including on identified single                                                  |                            |                        |                                  |                                                             |
| S. No. | Question                                                                                                                   | Answer                     |                        |                                  |                                                             |
| 1.a    | Total number of commercial establishments (Malls, Cinema Halls, Airports, Railway Stations, Metro Stations)                | 4,24,979                   |                        |                                  |                                                             |
| 1.b    | Total number of institutions: Schools, Colleges, Office Complex, etc.                                                      | 28,895                     |                        |                                  |                                                             |
| 1.c    | Total number of Hotspots: Tourist spots, sabzi Mandi, Wholesale market, Fish Market, Flower market, Religious Places, etc. | 27,582                     |                        |                                  |                                                             |
| 2      | Total No of Inspections                                                                                                    | 88,485                     |                        |                                  |                                                             |
| 3      | Total No of Commercial Establishment and hotspots closed for SUP Ban Violation                                             | 0                          |                        |                                  |                                                             |
| 4      | Total No. of Industries inspected                                                                                          | 463                        |                        |                                  |                                                             |
| 5      | Total no. of industries closed for manufacturing banned SUP items                                                          | 28                         |                        |                                  |                                                             |
| 6      | Total Fine imposed (INR)                                                                                                   | 2,63,78,006                |                        |                                  |                                                             |
| 7      | Quantity of Banned SUP seized (Tons)                                                                                       | 99,715                     |                        |                                  |                                                             |
| 8      | Total No of Commercial establishment and hotspot made SUP free                                                             | 47                         |                        |                                  |                                                             |
| 9      | Details of mode of disposal of seized SUP                                                                                  | Recycling                  |                        |                                  |                                                             |
|        | Quantity of SUP Seized                                                                                                     | 62969                      | 36962                  | 2                                | 2900                                                        |
|        | Mode of Disposal                                                                                                           | Co-processing              | Recycling              | WTO                              | Road Making                                                 |
|        | Name & Address of the Plastic Waste Processor                                                                              | Cement Factories, Ariyalur | Traders, Scrap Dealers | Sri Balaji Green Energy Pvt. Ltd | Salem Contractors, Sri Sivasakthi Polymers, Fathima Traders |

| S. No.                           | Question                                                                                                        | Answer                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------|
| 10                               | Details of Entities producing Alternatives including Compostable Plastic                                        | Directory details - 2025 |
|                                  | Name of Entity                                                                                                  |                          |
|                                  | SUP Alternative Producted                                                                                       |                          |
|                                  | Production Capacity (TPA)                                                                                       |                          |
|                                  | Address                                                                                                         |                          |
|                                  | Alternative of banned SUP items                                                                                 |                          |
| 11                               | No of Complaints received on SUP grievance App                                                                  | 3                        |
| 12                               | No of Complaints resolved                                                                                       | 3                        |
| <b>SECTION F</b>                 |                                                                                                                 |                          |
| <b>No of Complaints resolved</b> |                                                                                                                 |                          |
| S. No.                           | Question                                                                                                        | Answer                   |
| 1                                | Details of Registered Plastic Raw Material Manufacturing Units                                                  |                          |
|                                  | Total numbers                                                                                                   | 0                        |
|                                  | Capacity                                                                                                        | 0                        |
|                                  | Product Manufactured                                                                                            | 0                        |
| 2                                | Details of Registered PWP (Non - packaging Processing Facilities)                                               |                          |
|                                  | Total Numbers                                                                                                   | 0                        |
|                                  | Capacity                                                                                                        | 0                        |
|                                  | Product Manufactured                                                                                            | 0                        |
|                                  | Add more                                                                                                        |                          |
| 3                                | Details of unregistered Manufacturing or Recycling Units (in residential or                                     |                          |
|                                  | Total numbers                                                                                                   | 3                        |
|                                  | Capacity                                                                                                        | 35 T/M                   |
|                                  | Product manufactured                                                                                            | 0                        |
|                                  | Add more                                                                                                        |                          |
| 4                                | No. of ULBs which have framed byelaws                                                                           | 640                      |
| 5                                | No. of violations & action taken on non-compliance of provisions of PWM Rules, 2016, as amended, 2018 (Rule 12) | 25                       |
| 6                                | Total no. of violations (Burning / Littering / non-registration and other non-                                  |                          |
|                                  | Burning                                                                                                         | 8,654                    |
|                                  | Littering                                                                                                       | 31,218                   |
|                                  | Non registration and Other non - compliance                                                                     | 66,268                   |
| 7                                | Action Taken (Fine Imposed / Closures issued)                                                                   |                          |
|                                  | Fine Imposed (INR)                                                                                              | 3,79,64,650              |
|                                  | Closure Issued                                                                                                  | 0                        |



**A. General**

**B. Mechanism of Plastic Waste Management**

**C. Plastic Waste Generation, Collection, Segregation & Characterization**

**D. Extended Producer Responsibility Implementation**

**E. Implementation of ban imposed under Rule 4 including on identified single use plastic items, plastic carry bags having thickness less than 120 microns**

**F. Enforcement of Plastic Waste Management Rules**

**Declaration**

**General**

**Period Of Reporting**

2024-2025

**1. Name of the State/UT: \***

Tamil Nadu

**2. Name & Address of SPCB/PCC**

**Name: \***

Tamil Nadu Pollution Control Board

**Address: \***

No 76 Mount Salai, Guindy, Chennai 600032

**3. Contact Email: \***

memsec@tnpcb.gov.in

**4. Contact Phone No. : \***

8056042268

**5. Details of Plastic Waste Management (State Level)**

**Collection (MT) : \***

789789

**Segregation (MT) : \***

397855

**Processing including recycling (MT) : \***

253751

**Disposal (MT) : \***

70963

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**A. General**

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**F. Enforcement of Plastic Waste Management Rules**

**Declaration**

**Mechanism of Plastic Waste Management**

**1. Summary of the mechanisms put in place for management of plastic waste in your State/UT along with the details of agencies involved ( Please attach the details) \***

File Attached

Choose File

No file chosen

File

**2. Please attach details of Infrastructure put in place for management of plastic waste generated in your State/UT \***

File Attached

Choose File

No file chosen

File

**3. Total no. of MRF Facilities**

**a) No. of Mechanical MRF Facilities : \***

166

**Total Capacity Available (TPA): \***

80886

**Total Capacity Utilised (TPA): \***

35430.3

**(b) No. of Manual MRF Facilities**

1207

**Total Capacity Available (TPA): \***

406787

**Total Capacity Utilised (TPA): \***

290691

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**A. General**

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**F. Enforcement of Plastic Waste Management Rules**

**Declaration**

**Plastic Waste Generation, Collection, Segregation & Characterization**

**1.Total Numbers of the Urban Local Bodies (ULBs) in the area under Jurisdiction \***

651

**2.No. of ULBs who have submitted Annual Report \***

640

**3.Total Numbers of the Gram Panchayat (GPs) in the area under Jurisdiction \***

12525

**4a.Total number of Panchayati Raj Institution at District Level \***

37

**4b.No. of Panchayati Raj Institution at District Level who have submitted annual report \***

25

**5.Please confirm that all GPs/ULBs have provided complete information in stipulated time as per format prescribed by CPCB (Yes/No) \***

No

**6.Please provide no. of ULBs/GPs which have not submitted complete information within the stipulated time frame \***

21

Attach list of District Panchayats and ULBs who have not submitted annual reports \*

File

Choose File

No file chosen

7. Please provide total amount of EC levied on PRI at District Level / ULBs who have not submitted annual report as per prescribed timelines under the rules \*

0

Attach list of District Panchayats and ULBs on whom EC has been levied including amount \*

Choose File

No file chosen

8. Quantity of Plastic Waste generated (Tonnes) as per CPCB methodology ( Cat I/ Cat II/ Cat III/ Cat IV/ Cat V/ Others) \*

Cat I \*

287019

Cat II \*

150406

Cat III \*

188214

Cat IV \*

19365

Cat V \*

4787

Other \*

142410

9. Quantity of Plastic Waste collected (Tonnes) \*

789789

10. Plastic Waste Segregated (Tonnes) \*

397855

11. Please confirm that all Local Bodies/ GPs have carried out Assessment of Plastic Waste Generation & Characterization as per methodology specified by CPCB ( Yes/No) \*

No

12. Please upload Plastic Waste Characterization Report as per methodology specified by CPCB \*

File

Choose File

No file chosen

13. Please confirm that data validation and reconciliation for ULB and PRI at District Level has been done as per methodology specified by CPCB (Yes /No) \*

No

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**A. General**

**B. Mechanism of Plastic Waste Management**

**C. Plastic Waste Generation, Collection, Segregation & Characterization**

**D. Extended Producer Responsibility Implementation**

**E. Implementation of ban imposed under Rule 4 including on identified single use plastic items, plastic carry bags having thickness less than 120 microns**

**F. Enforcement of Plastic Waste Management Rules**

**Declaration**

**Extended Producer Responsibility Implementation**

**1.Total Number of ULBs registered on EPR \***

158

**2.Details of Plastic Waste Processors \***

| Name | Type (Recycler/Coprocessors/Waste to Energy/Waste to Oil/Road Making ) | Registration No |
|------|------------------------------------------------------------------------|-----------------|
| Nil  | Recycler                                                               | 0               |

**3.Plastic Waste Processed through PWPs (TPA) \***

| Type of PWPs    | Cat I | Cat II | Cat III | Cat IV | Cat V | Other |
|-----------------|-------|--------|---------|--------|-------|-------|
| Recycler        | 11763 | 1879   | 2139    | 0      | 0     | 0     |
| Coprocessors    | 0     | 7257   | 1412    | 0      | 0     | 0     |
| Waste to Energy | 0     | 0      | 0       | 0      | 0     | 0     |
| Waste to Oil    | 0     | 0      | 0       | 0      | 0     | 0     |
| Road Making     | 0     | 0      | 0       | 0      | 0     | 0     |

**4.Audit & Levying of Environmental Compensation (EC) (To be auto fetched from the EPR Portal) \***

**(a).No. of Entities (PIBOs/PWPs) audited \***

2

**Audited Report \***

File

Choose File

No file chosen

**(b).No. of Entities (PIBOs/PWPs) found in violation \***

1

**List of Entities \***

File

Choose File

No file chosen

**(c).EC levied on violating Entities (PIBOs/PWPs) \***

100000

**List of Entities with amount (INR) \***

File

Choose File

No file chosen

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**A. General**

**B. Mechanism of Plastic Waste Management**

**C. Plastic Waste Generation, Collection, Segregation & Characterization**

**D. Extended Producer Responsibility Implementation**

**E. Implementation of ban imposed under Rule 4 including on identified single use plastic items, plastic carry bags having thickness less than 120 microns**

**F. Enforcement of Plastic Waste Management Rules**

**Declaration**

**Implementation of ban imposed under Rule 4 including on identified single use plastic items, plastic carry bags having thickness less than 120 microns**

**1(a).Total number of commercial establishments (Malls, Cinema Halls, Airports, Railway Stations, Metro Stations) \***

424979

**1(b).Total number of Institutions: Schools, Colleges, Office Complex etc \***

28895

**1(c).Total number of Hotspots :Tourist spots, sabzi Mandi, Wholesale market, Fish Market, Flower market, Religious Places etc. \***

27582

**2.Total No of Inspections \***

88485

**3.Total No of Commercial Establishment and hotspots closed for SUP Ban Violation \***

0

**4.Total No. of Industries Inspected. \***

463

**5.Total no. of Industries closed for manufacturing banned SUP Items \***

28

**6.Total Fine Imposed (Rs.) . \***

26564206

**7.Quantity of Banned SUP seized(Tons) \***

251364

**8.Total No of Commercial establishment and hotspot made SUP free . \***

47

**9.Details of mode of disposal of seized SUP \***

CoProcessing

| Qty of SUP Seized (T) | Mode of Disposal | Name & Address of the Plastic Waste Processor  | Add More + |
|-----------------------|------------------|------------------------------------------------|------------|
| 62969                 | CoProcessing     | Cement Factories, Ariyalur                     | +          |
| 36962                 | Recycling        | Traders, Scrap dealers                         | -          |
| 2                     | WtO              | Sri Balaji Green Energy Pvt. Ltd               | -          |
| 2900                  | Road Making      | Salem Contractors, Sri Sivasakthi Polymers, Fa | -          |

**10. Details of Entities producing Alternatives Including Compostable Plastic \***

| Name of Entity * | SUP Alternative Produced * | Production Capacity (TPA) * | Address *        | Alternative of banned SUP Items * | Add More + |
|------------------|----------------------------|-----------------------------|------------------|-----------------------------------|------------|
| Sri Vinayaga     | Areca Leaf Plat            | 0.000                       | Mudikondan M     | Plates                            | +          |
| Global Trade     | Areca Bowls an             | 0.000                       | No. 54, 5th flo  | Cups                              | +          |
| Eco Green Ur     | Cups, Container            | 0.000                       | No.21-A1, Bha    | Cups                              | +          |
| P & T Biotech    | Biodegradable l            | 0.000                       | 113-D, Elango    | Cups                              | +          |
| Sapp Paper T     | Aluminium foil i           | 0.000                       | No. 6, VKS Gal   | Cups                              | +          |
| Baala Bio Ba     | Compostable ai             | 0.000                       | Durugam Roa      | Cups                              | +          |
| SPS Kalyan M     | Tea cups, paper            | 0.000                       | 1/205 A, Periy   | Spoons                            | +          |
| Aruna Industri   | Corrugated box             | 1800.000                    | No. 2/16, Giri I | Trays                             | +          |
| Balan Enterpr    | Bamboo Mats, l             | 0.000                       | Door no. 107, *  | Trays                             | +          |
| Hema Packin      | Wooden Pallet,             | 0.000                       | 577/1, Thazhir   | Trays                             | +          |

|                 |                  |       |                 |        |   |
|-----------------|------------------|-------|-----------------|--------|---|
| Ashiapura Sai   | Wooden Packag    | 0.000 | 18/20, Arakko   | Trays  | + |
| Vaibhav Cart    | Customized prii  | 0.000 | No. 1153, Nea   | Trays  | + |
| Nitsan Areca    | Areca Plates, Ci | 0.000 | Plot No. 129, F | Plates | + |
| Ewalusion       | Areca plates, Ci | 0.000 | No. 99/60, 2nc  | Plates | + |
| Infinite Invent | Corn Starch Me   | 0.000 | No.13, Clemer   | Plates | + |
| Unicorn Empi    | Areca Plates     | 0.000 | New no, 27, Ol  | Plates | + |
| Haravi Agenc    | Areca Leaf Plat  | 0.000 | Plot no. 139, L | Plates | + |
| Sri Ram Rudr    | Areca Leaf Plat  | 0.000 | 120A, Tiny she  | Plates | + |
| VDP Mart Pvi    | Degradable can   | 0.000 | No. 379, Grou   | Plates | + |
| Bannariamm      | Leaf plate maki  | 0.000 | 60 - A, Bharath | Plates | + |
| Rahman Engi     | Areca Leaf Plat  | 0.000 | 77, Kamadhan    | Plates | + |
| VAM Natural     | Areca Plate and  | 0.000 | 50, Mannudaiy   | Plates | + |
| Sri Lakshmi E   | Paper bags, Are  | 0.000 | 55, 56 RV Layc  | Plates | + |
| Karthikeyan E   | Areca Sheath ai  | 0.000 | No.03, Bharath  | Plates | + |
| Virutcham Bi    | Areca Leaf Plat  | 0.000 | Kondasamnah     | Plates | + |
| PKP Paakku I    | Paakku Mattai I  | 0.000 | Govt. Water Bt  | Plates | + |
| Erivanarual     | Areca Leaf Plat  | 0.000 | 2/104, Cross-1  | Plates | + |
| SKD Areca Le    | Areca Leaf Plat  | 0.000 | Maveripatti Vil | Plates | + |
| Evergreen Ec    | Areca Leaf Plat  | 0.000 | Plot no. 93, Sa | Plates | + |
| Senthil Vinay   | Areca Leaf Plat  | 0.000 | 187/5, Sattaar  | Plates | + |
| Athira Areca I  | Areca Leaf Plat  | 0.000 | No. 915/2, Sac  | Plates | + |
| Crozborder E    | Areca and Palrr  | 0.000 | No.4, Malar Av  | Plates | + |
| Sri Sanguban    | Areca plates, Si | 0.000 | No.5-A, Kamar   | Plates | + |
| Vinayaka Indi   | Areca Leaf Plat  | 0.000 | 4-189/3 Pada    | Plates | + |

|                |                  |         |                 |        |   |
|----------------|------------------|---------|-----------------|--------|---|
| Endeavour E    | Leaf plates, Are | 0.000   | No.24/114F, N   | Plates | + |
| Vel Internatio | Areca nut plate: | 0.000   | No.5/325A, Or   | Plates | + |
| Janar Biopro   | Areca nut plate: | 0.000   | Plot no.-22A T  | Plates | + |
| Anya Exports   | Areca Plates, B  | 0.000   | A1, Jayabhara   | Plates | + |
| Chella Areca   | Areca Plates (1: | 0.000   | 1/31A Chellad   | Plates | + |
| Shrimurugu E   | Areca Leaf Plat  | 0.000   | 500A, Melur R   | Plates | + |
| Ramani Pack    | Jute bag, Alumi  | 120.000 | No.72, Exhuka   | Plates | + |
| Sai Eco Plate  | Areca Leaf Plat  | 0.000   | 15/1/12g1 Ala   | Plates | + |
| P & K Plates   | Areca leaf plate | 0.000   | 4/478, D, And   | Plates | + |
| Thirumala Pl   | Areca Plates an  | 0.000   | No. 16/19 B, K  | Plates | + |
| Sunxa Agenc    | Areca leaf plate | 0.000   | Maduraiveerar   | Plates | + |
| Prabha Trade   | Areca leaf plate | 0.000   | 3/325-A Block   | Plates | + |
| Haridra Pakk   | Areca leaf plate | 0.000   | 105-1, Kalaim   | Plates | + |
| Green Eco En   | Areca Leaf Plat  | 0.000   | No. 12/4-3, M   | Plates | + |
| Chakra S Ove   | Areca Leaf Plat  | 0.000   | Old No. 41, No  | Plates | + |
| G.K.S. Engine  | Areca Leaf Plat  | 0.000   | 3/833-1 Kattur  | Plates | + |
| R G Paper Ba   | Paper Cover, Pa  | 0.000   | 5/518C, Sowri   | Plates | + |
| Anbu Plates    | Areca Leaf Plat  | 0.000   | A.N. Mangalar   | Plates | + |
| Chendur Indu   | Areca Leaf Plat  | 0.000   | 159/54 C, Eas   | Plates | + |
| Bio World      | Palm Leaf Plate  | 0.000   | No. 3-1-5, Kar  | Plates | + |
| Vignesha Exp   | Areca Leaf Plat  | 0.000   | 8/2-3, 6th Stre | Plates | + |
| Karthikeyan E  | Areca Leaf Plat  | 0.000   | North Car Stre  | Plates | + |
| Gopiprem Gr    | Areca Leaf Plat  | 0.000   | 108/7, Main R   | Plates | + |
| PSV Agencie:   | Areca Leaf Plat  | 0.000   | 1/3, Chenkara   | Plates | + |

|                |                  |        |                 |        |   |
|----------------|------------------|--------|-----------------|--------|---|
| KPK Eco Plat   | Areca Leaf Plat  | 0.000  | No: 31/4328, C  | Plates | + |
| Green World .  | Areca Leaf Plat  | 0.000  | South Water T.  | Plates | + |
| Sri Krishna Pl | Biodegradable I  | 0.000  | Ayyampatti Tri  | Plates | + |
| Green Industi  | Areca Products   | 0.000  | Plot no.24, Ve  | Plates | + |
| Sai Meena Dt   | Areca Plates an  | 0.000  | No.84, Kalaign  | Plates | + |
| KGS Eco Indu   | Areca Leaf Plat  | 0.000  | 27/A Puthu St   | Plates | + |
| Baba Ramde     | Paper plate      | 0.000  | No.325 Big Ba   | Plates | + |
| Sri MSK Inter  | Areca Leaf Plat  | 0.000  | Main Office: 4! | Plates | + |
| Cactus Intern  | Areca Leaf Plat  | 0.000  | No.3/142, Nea   | Plates | + |
| KM Plates      | Areca Leaf Plat  | 0.000  | Mattukovil Aa   | Plates | + |
| Adhi Bio Plat  | Areca Leaf Plat  | 0.000  | 2/1, NN Pong    | Plates | + |
| Cactus Intern  | Areca Leaf Plat  | 0.000  | 3/142, Near V   | Plates | + |
| Sree Anjaney   | Areca Leaf Plat  | 0.000  | No.5/35, That   | Plates | + |
| Surplus India  | Clay pots, Areca | 60.000 | No.11, Rajaji R | Plates | + |
| Senthur Expo   | Areca Plates, Fr | 0.000  | No. 20/30, So   | Plates | + |
| Belvin Enterp  | Areca Leaf Plat  | 0.000  | Deena Dayalar   | Plates | + |
| Sigaram Plat   | Areca Leaf Plat  | 0.000  | Salen Main Ro   | Plates | + |
| Pavitra Eco F  | Areca Leaf Plat  | 0.000  | No. 151, JN H   | Plates | + |

11.No of Complaints received on SUP grievance App \*

3

12.No of Complaints resolved \*

3

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A. General

B. Mechanism of Plastic Waste Management

C. Plastic Waste Generation, Collection, Segregation & Characterization

D. Extended Producer Responsibility Implementation

E. Implementation of ban imposed under Rule 4 including on identified single use plastic items, plastic carry bags having thickness less than 120 microns

F. Enforcement of Plastic Waste Management Rules

Declaration

#### No of Complaints resolved

##### 1.Details of Registered Plastic Raw Material Manufacturing Units \*

| Total Numbers                  | Capacity                       | Product manufactured           | Add More +                                                       |
|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------|
| <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input data-bbox="1236 1008 1289 1041" type="button" value="+"/> |

##### 2.Details of Registered PWP (Non- packaging) Processing Facilities \*

| Total Numbers                  | Capacity                       | Product manufactured           | Add More +                                                       |
|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------|
| <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input data-bbox="1236 1182 1289 1216" type="button" value="+"/> |

##### 3.Details of Unregistered Manufacturing or Recycling Units (In residential or unapproved areas). \*

| Total Numbers                  | Capacity                        | Product manufactured           | Add More +                                                       |
|--------------------------------|---------------------------------|--------------------------------|------------------------------------------------------------------|
| <input type="text" value="3"/> | <input type="text" value="35"/> | <input type="text" value="0"/> | <input data-bbox="1236 1355 1289 1388" type="button" value="+"/> |

##### 4.No. of ULBs which have framed byelaws \*

##### 5.No. of violations & action taken on non-compliance of provisions of PWM Rules, 2016, as amended, 2018 (Rule 12) \*

##### 6.Total no. of violations (Burning/ Littering/non-registration and other non- compliance) \*

| Burning *                         | Littering *                        | non-registration *                 | other non- compliance *        |
|-----------------------------------|------------------------------------|------------------------------------|--------------------------------|
| <input type="text" value="8654"/> | <input type="text" value="31218"/> | <input type="text" value="66268"/> | <input type="text" value="0"/> |

##### 7. Action Taken (Fine Imposed / Closures issued) \*

| Fine Imposed (INR) *                  | Closure issued *               |
|---------------------------------------|--------------------------------|
| <input type="text" value="27964650"/> | <input type="text" value="0"/> |

[< Previous](#)

[Next >](#)

**A. General**

**B. Mechanism of Plastic Waste Management**

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& Characterization**

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**E. Implementation of ban  
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on identified single use plastic items, plastic carry  
bags  
having thickness less than 120 microns**

**F. Enforcement of Plastic Waste Management Rules**

**Declaration**

**DECLARATION**

**Name**

**Designation**

**Mobile No**

**Email Id**

**Declaration Download**

**Upload Declaration**

Choose File No file chosen

← Previous

Form Preview 

**FINAL SUBMIT**



# Mechanism of Plastic Waste Management

## Summary of Mechanisms and Agencies

The State of Tamil Nadu has adopted a robust, multi-pronged strategy for plastic waste management, built upon the foundation of the Plastic Waste Management Rules, 2016 (as amended). The primary mechanism begins with **source segregation**, a critical first step mandated for all households and commercial establishments. Urban Local Bodies (ULBs) and Municipal Corporations play a pivotal role in this, deploying a comprehensive door-to-door collection system that ensures dry, wet, and hazardous waste are collected separately. This segregated plastic waste is then transported to designated Material Recovery Facilities (MRFs) or local collection centers for further sorting.

The Tamil Nadu Pollution Control Board serves as the regulatory authority, actively monitoring compliance with EPR norms within Tamil Nadu. This mechanism holds producers, importers and brand owners financially and operationally responsible for the collection & recycling of their post-consumer plastic waste. This ensures a consistent flow of plastic waste from consumers back into the recycling chain.

Several key agencies and stakeholders collaborate to execute this plan:

- **Urban Local Bodies (ULBs) / Municipal Corporations:** These are the primary implementing bodies with responsibilities include day-to-day waste collection and transport, maintaining public cleanliness, and executing public awareness campaigns. They work directly with citizens and local communities.
- **TNPCB:** This is the key regulatory and monitoring agency ensuring strict adherence to the Plastic Waste Management Rules, grants authorizations to waste processors, and oversees EPR compliance.
- **Private Recyclers:** As authorized partners, private recycling units are essential to the process. They receive the sorted plastic waste from MRFs and process it into recycled plastic granules or other products, closing the loop.
- **NGOs and Community-Based Organizations:** These organizations are crucial for community engagement to mobilize citizens, conduct awareness and education programs, and bridge the gap between ULBs and the community to improve the effectiveness of source segregation.



## Details of Infrastructure

The infrastructure in Tamil Nadu is designed to support the entire plastic waste value chain, from initial collection to final processing and disposal.

### i. Collection Infrastructure:

- a. **Source segregation:** Source segregation is the first and mandatory step for all generators (households, institutions, commercial establishments). Waste must be separated into dry (recyclable), wet (biodegradable) and hazardous streams, enabling efficient downstream processing and minimizing contamination of recyclable plastics.
- b. **Door-to-door (D2D) collection and transfer:** Urban Local Bodies (ULBs) and Municipal Corporations operate systematic door-to-door collection networks using dedicated vehicles (often color-coded), ensuring that segregated plastic reaches local collection points or Material Recovery Facilities (MRFs). **Around 91% D2D coverage** to collect segregated waste efficiently.
- c. **Material Recovery Facilities (MRFs):** Collected dry plastic is delivered to MRFs where further segregation - manual and/or mechanical - separates plastics by resin type (e.g., PET, HDPE, LDPE), colour and quality. Sorted material is baled or otherwise readied for transport to recyclers. **Approximately 166 Mechanical MRFs (with a capacity of 80,886 TPA) and 1,207 Manual MRFs (with a capacity of 4,06,787 TPA)** are strategically located to handle the incoming waste. At these facilities, waste pickers and automated sorters further sort plastic based on its resin type (e.g., PET, HDPE, LDPE) and bale it for transport to recycling units.

### ii. Processing and Disposal Infrastructure:

- a. **Recycling Units:** The State has a network of registered and authorized recycling units with **a total processing capacity of 5,50,248 TPA** that process various grades of plastic waste, contributing to a healthy recycling ecosystem.
- **Flakes from PET bottles:** Authorized private recyclers receive sorted streams to produce recycled plastic granules, flakes and secondary raw materials. Specialized lines (e.g., PET flake production) add value and support circularity. The processing capacity is of 1,00,541 TPA (25 facilities).

- b. **Co-processing:** For multi-layered plastics and other non-recyclable plastic waste with a high calorific value, it is diverted to co-processing in cement kilns where it is used as an alternative fuel, thereby reducing reliance on fossil fuels and landfills. There are **14 Coprocessing plants** in Tamil Nadu with a processing capacity of **13,73,230 TPA** (Cat I – 89,450, Cat II – 8,34,240, Cat III – 4,49,540). This method safely utilizes the waste as an energy source, effectively eliminating it from the environment.
- c. **Waste-to-Energy Plant** is being established with a processing capacity of **600 TPA** to utilize solid waste, including non-recyclable plastics, to generate power, further reducing landfill dependency.
- d. **Waste-to-Oil (Pyrolysis) Plant:** Select non-recyclable plastics undergo pyrolysis to convert waste into fuel oil where technically and environmentally appropriate. There are **9 waste-to-oil units** with a processing capacity of **93120 TPA**.

iii. **Compostable Plastic Manufacturers:**

Tamil Nadu has 53 certified compostable plastic manufacturing units producing biodegradable film products. These units use plant-based feedstocks and are designed to degrade under industrial/home-composting conditions. They play a key role in reducing reliance on conventional plastics and strengthening circular waste management in line with the Plastic Waste Management Rules, 2016 (as amended).

iv. **Extended Producer Responsibility (EPR):**

TNPCB has taken several initiatives to strengthen the implementation of Extended Producer Responsibility (EPR) under the Plastic Waste Management Rules, 2016 across the State. As part of these efforts, directions were issued to 1,120 unregistered entities, 18 capacity-building programmes were organized for stakeholders including TNPCB officials, PIBOs and PWPs, and knowledge materials were developed to facilitate compliance. In addition, an exclusive EPR Cell has been established within TNPCB to coordinate and monitor implementation across Tamil Nadu.

As of March 2025, TNPCB has issued registrations to 1,004 Producers, Importers and Brand Owners (PIBOs) and 106 Plastic Waste Processors (PWPs). Further, 158 Urban Local Bodies (ULBs) have been registered on the EPR portal.

According to the data uploaded on the EPR portal, the total processing capacity of plastic packaging waste available in Tamil Nadu includes 1,96,153 TPA through recyclers (1,48,610 TPA for Category I, 39,343 TPA for Category II and 8,200 TPA for Category III), 13,73,230 TPA through co-processors (89,450 TPA for Category I, 8,34,240 TPA for Category II and 4,49,540 TPA for Category III), and 600 TPA through a waste-to-energy facility. These figures indicate that the State has established substantial infrastructure for the environmentally sound management of plastic packaging waste through recycling, co-processing and energy recovery.

## Flagship activities by TNPCB in 2024-25

The Tamil Nadu Pollution Control Board (TNPCB) spearheaded several key initiatives in 2024, contributing to the broader **"People's Campaign against throw away plastics"** and the Meendum Manjappai program. The initiatives focused on environmental sustainability, reducing plastic pollution, and raising public awareness.

### Key TNPCB Initiatives (2024)

- **Massive Plastic Collection Drive:** A state-wide plastic collection drive was organized across all districts and the Greater Chennai Corporation, funded by TNPCB at a cost of Rs. 10 Crore.
- **Climate Warriors E-Auto Distribution:** On October 10, 2024, **100 e-autos** were distributed to Climate Warriors (SHG women) to raise awareness about the Single-Use Plastic (SUP) ban, promote eco-friendly alternatives, and educate on climate change and sustainable lifestyles.
- **SUP Free Training Program:** On October 8, 2024, TNPCB conducted a training program for Tamil Nadu Secretariat staff to create a Single-Use Plastic-Free Secretariat Campus. This is a key part of the broader effort to promote a sustainable lifestyle.
- **Eco-alternative Conclave 2024:** TNPCB organized an Eco-alternative Conclave and launched an Eco-friendly Products Handbook to promote the use of sustainable alternatives. This initiative was supported by a conclave held to facilitate consultation with government bodies, manufacturers, and industries to bridge implementation gaps, and a directory of 350 eco-alternatives was identified across Tamil Nadu.
- **Eco-Alternative Directory 2024:** The Tamil Nadu Pollution Control Board (TNPCB) launched the Eco-Alternative Manufacturers Directory 2024, featuring details of **353 manufacturers** from all districts of Tamil Nadu. The directory provides information on suppliers of eco-friendly alternatives to banned single-use plastic items, including cloth bags, jute bags, paper products, areca plates, and other sustainable substitutes for plastic carry bags. This initiative is aimed at promoting green businesses, supporting traders and consumers in the transition to sustainable materials, and strengthening the implementation of the ban on single-use plastics across the State.

- **Bagathon Competition 2024:** Initiated by TNPCB from August 18 to November 13, 2024, this competition aimed to reduce the cost of cloth bags, encouraging their widespread adoption. Five winners were awarded for designing eco-friendly bags priced under INR 5.
- **Launch of Blue Brigades:** The Hon'ble Chief Minister launched the Blue Brigades at Marina Beach, Chennai, on September 28, 2024, to focus on coastal cleanliness. The infrastructure for this includes a Manjappai Brigade with an EV fleet of 26 bikes for Chennai and 47 total bikes deployed in various cities. As of April 30, 2025, the Blue Brigades have conducted **52 road shows**, covered **86,770 km**, interacted with **21,715 people**, and distributed **13,630 awareness materials**.
- **Launch of Green Brigades:** The Green Brigades were launched by TNPCB in Coimbatore, Ooty, and Kodaikanal from 6<sup>th</sup> to 8<sup>th</sup> August, 2024, to promote environmental protection in these key regions. The Manjappai Brigade EV fleet also includes 8 bikes each for Ooty, Kodaikanal, and Coimbatore. As of April 30, 2025:
  - **Ooty Brigade:** Conducted **116 roadshows**, covered **44,548 km**, interacted with **290,822 people**, and distributed **26,689 awareness materials**.
  - **Kodaikanal Brigade:** Conducted **157 roadshows**, covered **142,672 km**, interacted with **71,226 people**, and distributed **19,228 awareness materials**.
  - **Coimbatore Brigade:** Conducted **28 roadshows**, covered **69,940 km**, interacted with **101,327 people**, and distributed **14,178 awareness materials**.
- **Launch of Tamil Nadu Discarded Fishnet Collection Centre:** The Hon'ble Chief Minister of Tamil Nadu launched this center on August 14, 2024, to combat marine pollution. As on 30 April 2025, quantity of Marine litter collected was **13,857 kg** out of which **10,710 kg** was diverted to recyclers.



## **Annexure IV**

### **Corporations**

1. Cuddalore City Municipal Corporation
2. Erode City Municipal Corporation
3. Hosur City Municipal Corporation
4. Nagercoil City Municipal Corporation
5. Sivakasi City Municipal Corporation
6. Tambaram City Municipal Corporation
7. Theni City Municipal Corporation
8. Thiruvannamalai City Municipal Corporation
9. Thoothukudi City Municipal Corporation

### **District Panchayat**

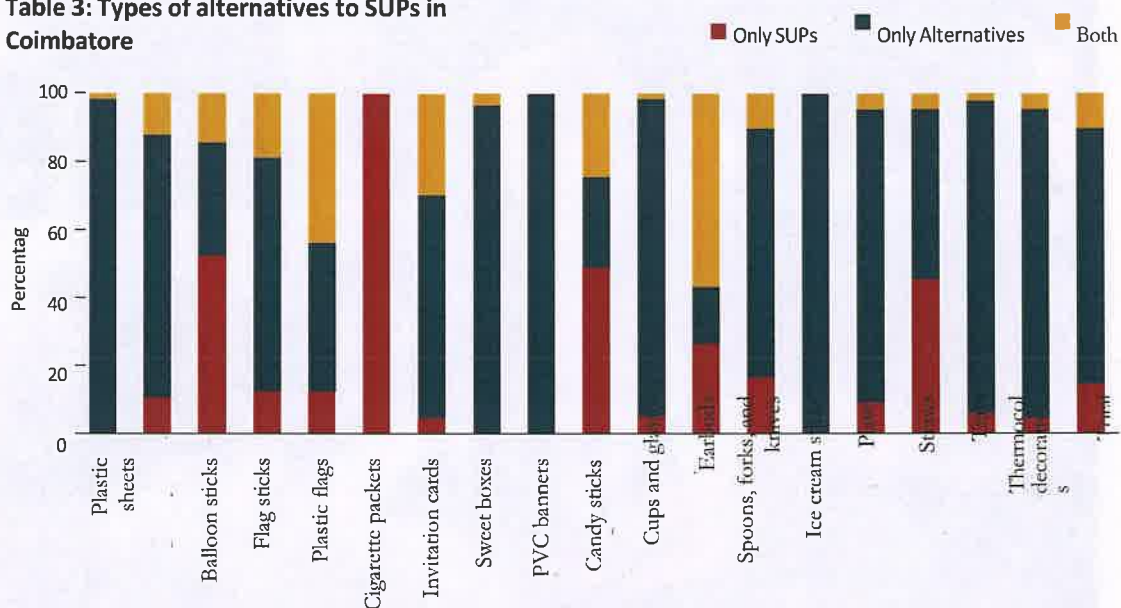
10. Madurai district
11. Vellore district
12. Thirupathur district

### **Action Taken:**

Direction has been issued to the above 9 Corporations for not submitting the Annal Report 2024-2025



**Table 3: Types of alternatives to SUPs in Coimbatore**



| Banned SUP items                         | No. of alternative<br>s available | Type 1                       | Type 2                                       | Type 3                    | Type 4                                       | Type 5                                   |
|------------------------------------------|-----------------------------------|------------------------------|----------------------------------------------|---------------------------|----------------------------------------------|------------------------------------------|
| Plastic sheets                           | 3                                 | Silver foil                  | Banana leaf                                  | Paper roll                |                                              |                                          |
| Plastic carry bags<br>(below 75 microns) | 4                                 | Cloth bags                   | Biodegradable<br>bags                        | Paper bags                | Handicraft bags                              |                                          |
| Plastic balloon sticks                   | 2                                 | Wooden sticks                | Thread                                       |                           |                                              |                                          |
| Plastic flag sticks                      | 2                                 | Wooden sticks                | Thread                                       |                           |                                              |                                          |
| Plastic flags                            | 1                                 | Paper flag                   |                                              |                           |                                              |                                          |
| Plastic films on<br>cigarette packets    | 0                                 |                              |                                              |                           |                                              |                                          |
| Plastic films on<br>invitation cards     | 1                                 | Paper Envelope               |                                              |                           |                                              |                                          |
| Plastic films on sweet<br>boxes          | 1                                 | Paper boxes                  |                                              |                           |                                              |                                          |
| PVC banners (below<br>100 microns)       | 4                                 | Above<br>100-micron flex     | 300 GSM                                      | Above 125<br>microns.     | 200-micron<br>banners                        |                                          |
| Plastic candy sticks                     | 1                                 | Wooden stick                 |                                              |                           |                                              |                                          |
| Plastic cups and<br>glasses              | 4                                 | Ceramic Cups                 | Hard acrylic<br>cups                         | Steel cups,<br>glass cups | Sugarcane<br>Bagasse bio-<br>degradable cups |                                          |
| Plastic earbuds                          | 2                                 | Wooden stick<br>earbuds      | Paper based                                  |                           |                                              |                                          |
| Plastic spoons, forks,<br>and knives     | 2                                 | Steel spoon,<br>fork, knives | Wooden fork,<br>spoon, knives                |                           |                                              |                                          |
| Plastic Ice cream<br>sticks              | 1                                 | Wooden stick                 |                                              |                           |                                              |                                          |
| Plastic plates                           | 5                                 | Steel plates                 | Biodegradable<br>Sugarcane<br>Bagasse Plates | Ceramic<br>plates         | Hard Acrylic<br>plates                       | Palm and<br>bamboo tree-<br>based plates |
| Plastic straws                           | 1                                 | Paper straws                 |                                              |                           |                                              |                                          |
| Plastic trays                            | 3                                 | Steel tray                   | Acrylic trays                                | Wooden<br>trays           |                                              |                                          |
| Thermocol decorative                     | 2                                 | Hard Plastic<br>décor items  | Reusable foam<br>materials                   |                           |                                              |                                          |



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**Report on EPR audit of M/s VP PLAST, 7-C, Kalainagar, Erode District Tamilnadu by the officials of TNPCB on 29.08.2024 and 30.09.2024.**

The Guidelines for Extended Producer Responsibility for Plastic Packaging was notified by the Ministry of Environment, Forest and Climate Change (MoEFCC) in the Schedule II of the Plastic Waste Management Rules, 2016 as amended on 16.02.2022.

*As per section 12.4 of the EPR Guidelines, 'The Central Pollution Control Board by itself or through a designated agency shall verify compliance of Producers, Importers & Brand-Owners through inspection and periodic audit, as deemed appropriate. Central Pollution Control Board, as required, can also verify compliance of Plastic Waste Processors through inspection and periodic audit. In case of plastic waste processors and Producers, Importers & Brand-Owners operating in a State or Union Territory, Central Pollution Control Board may, if required, direct State Pollution Control Board or Pollution Control Committee to take action.'*

CPCB vide letter dated 29.05.2024 had assigned 71 numbers of Plastic Waste Processors (PWPs) for joint audit by Regional Directorate CPCB officials and respective SPCB officials and CPCB vide letter dated 02.08.2024 has provided the list of PWPs in TamilNadu which is to be audited.

In this regard, the Plastic Waste Processing unit M/s VP PLAST, 7-C, Kalainagar, Erode District Tamil Nadu was scheduled to be audited on 29.08.2024 and 30.09.2024 by the team consisting of

1. Dr. S. Chandrasekaran, AEE.
2. Tmt. P.DhivyaSankari, AE.

For the purpose of carrying out audit, a third party audit app & web module was developed by the CPCB with the following features

- i) Geo tagging of photographs/video of the audited industry
- ii) Geofencing of audited entity premises
- iii) Comprehensive format and provision for offsite and onsite audit

The following activities were carried out during the audit

- i) On day 1 (29.08.2024), the plastic Waste Processor was visited in which geofencing of the unit was carried out using the audit app
- ii) The unit authorities were informed to provide one hour (11 pm to 12 pm) and one day (24 hours of 29.08.2024) data of the following
  - a. Electrical consumption
  - b. Plastic waste processed
  - c. Plastic granules and products made.
- iii) The activities of the facility were photo and video captured with the inbuilt third party audit app.
- iv) The documents were verified for the year 2022-23 with respect to electrical consumption, procurement details, production details and sales details along with the correctness of the EPR application details.

The photographs of the audit carried out is given in Annexure I.

#### **Observations:**

The following were observed based on the audit:

- i) The unit has consent under Water (P&CP) Act, 1974 as amended and Air (P&CP) Act, 1981 as amended valid upto 31.03.2025 for production of Plastic Pots of 50T/M and Plastic Granules of 300T/M.
- ii) The unit has obtained EPR registration for processing 4140TPA of Cat II plastics and producing 540 TPA of HDPE, 600TPA of LDPE and 3000TPA of PP.
- iii) The unit has the following machineries
  - a. Grinder
  - b. Colour sorter
  - c. Agglomerator
  - d. Extruder.
  - e. Pot maker and Blower
- iv) The unit has provided sufficient storage area for the plastic waste received.
- v) The plastic waste(HDPE) is shredded in the grinder, transferred to the agglomerator and then finally to the Extruder. After cooling, the plastic lumps are collected from the extruder and stored in bags.

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- vi) During audit, it is observed that plastic waste which does not come under Extended Producer Responsibility was also procured and kept for processed.
- vii) During the day of the audit, it is observed that virgin plastic granules are used in making plastic pots.
- viii) The unit does not generate any trade effluent.
- ix) Random verification of suppliers of plastic waste and buyers of the final product is carried out and the discrepancies were mentioned as violations below.

**Violations observed:**

1. Unit utilising raw material other than non-packaging plastic such as buckets, vessels, automobile components
2. Unit is receiving Cat I Rigid Plastic along with Cat II Flexible waste. In EPR application, Cat I has not been selected
3. EPR credits generated for sales of plastic recycled products manufactured from other than non-packaging plastics.
4. On verification with sales records and HSN Code, it was observed that the unit has generated EPR credits by selling mixed plastic / plastic scrap.
5. The sanctioned power load has been decreased from 97 kW to 52 kW by the TNEB. However, the machineries have not been reduced, in spite of reduction in the sanctioned power load.
6. Genuineness / authenticity of sales invoice could not be ascertained as there is no generated e-invoices available along with QR code / Invoice Reference Number (IRN).
7. The owner of VP Plast also had another unit (M/s. Fathima Eco Solution, Pallipalayam, Namakkal District) through which plastic scrap was procured and sold between these units and subsequently generated EPR credits. Also, it was observed that, Fathima Eco Solution is an existing PWP operating without Consent of TNPCB as well as EPR Registration.
8. The average monthly power consumption for 2nd quarter of 2023 shows low consumption (32.5833 kWh) than average monthly power consumption (1449.5798 kWh) indicating that the unit has not carried out production in a full-fledged manner. Also, it was further verified with sales records that the unit

has sent scrap or grinded chips to their own unit / sister unit and various other units.

9. The unit needs to improve housekeeping as the plastic waste was not stored and segregated properly.

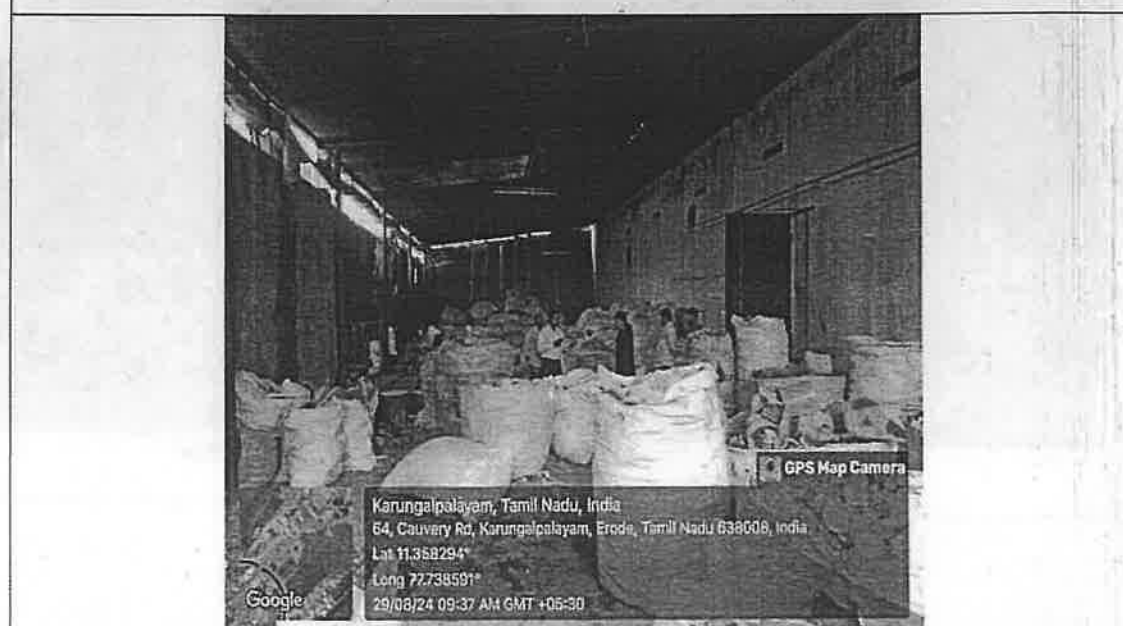
Screenshot of the filed-in details of audit app is given in Annexure-II

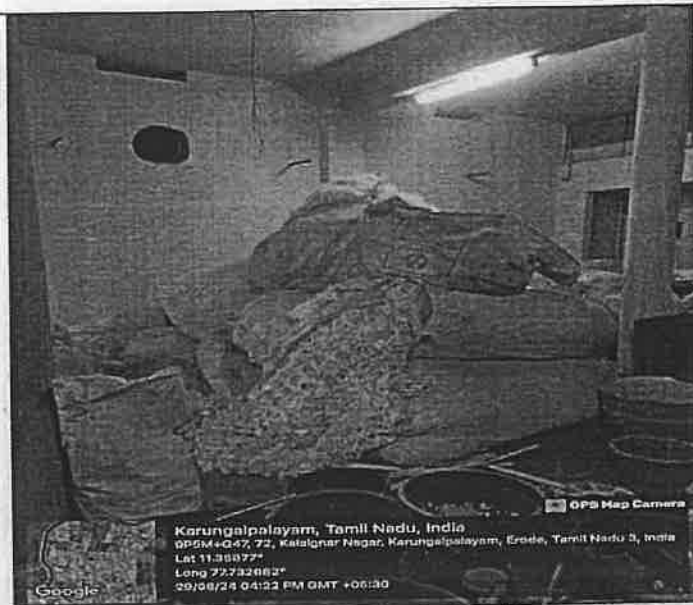
871

### Annexure I - Photographs

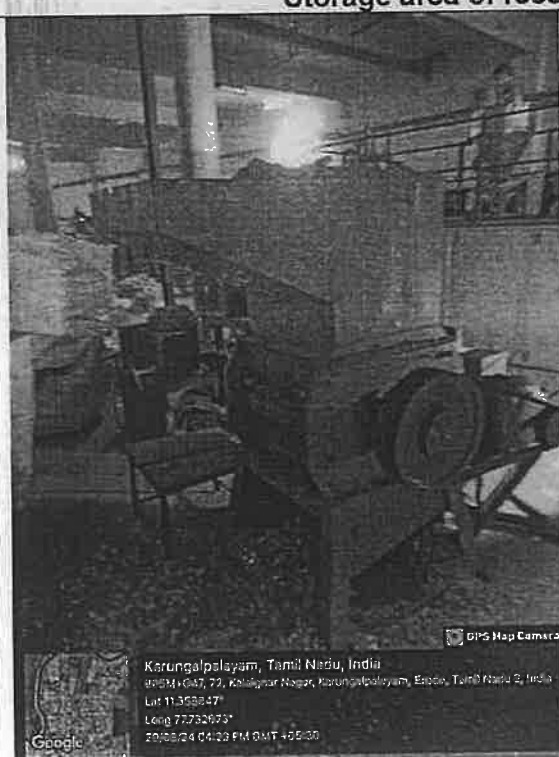


Inspection team along with the unit representative





**Storage area of received plastic waste**

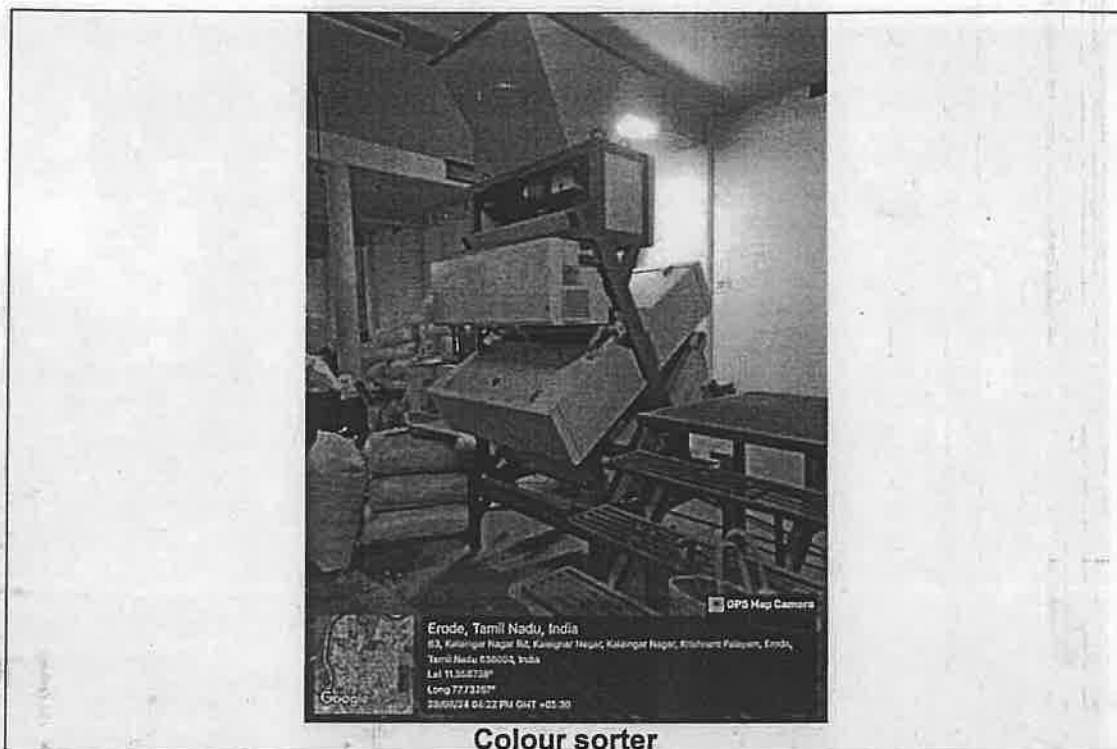


**Shredder**



**Agglomerator**

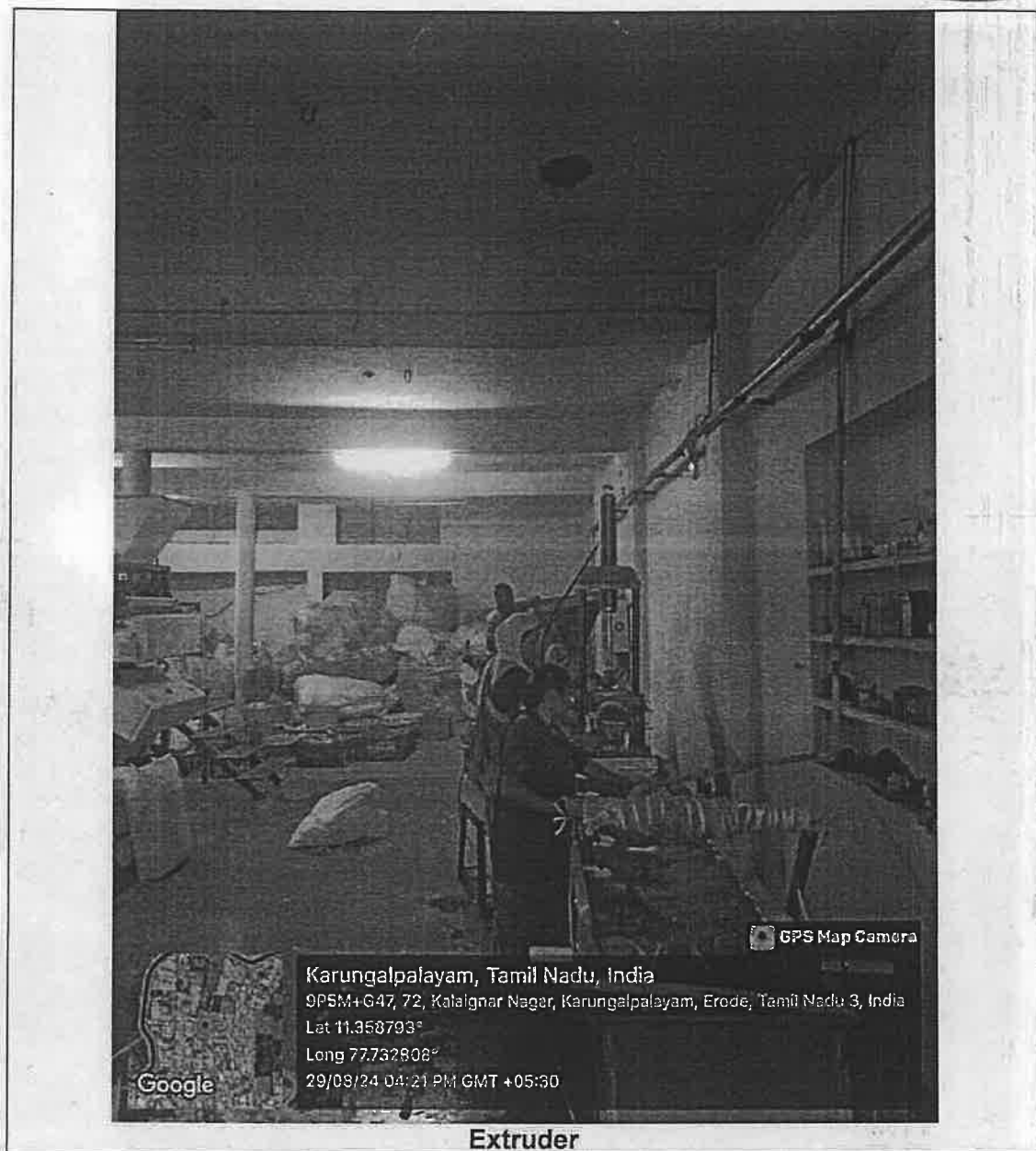
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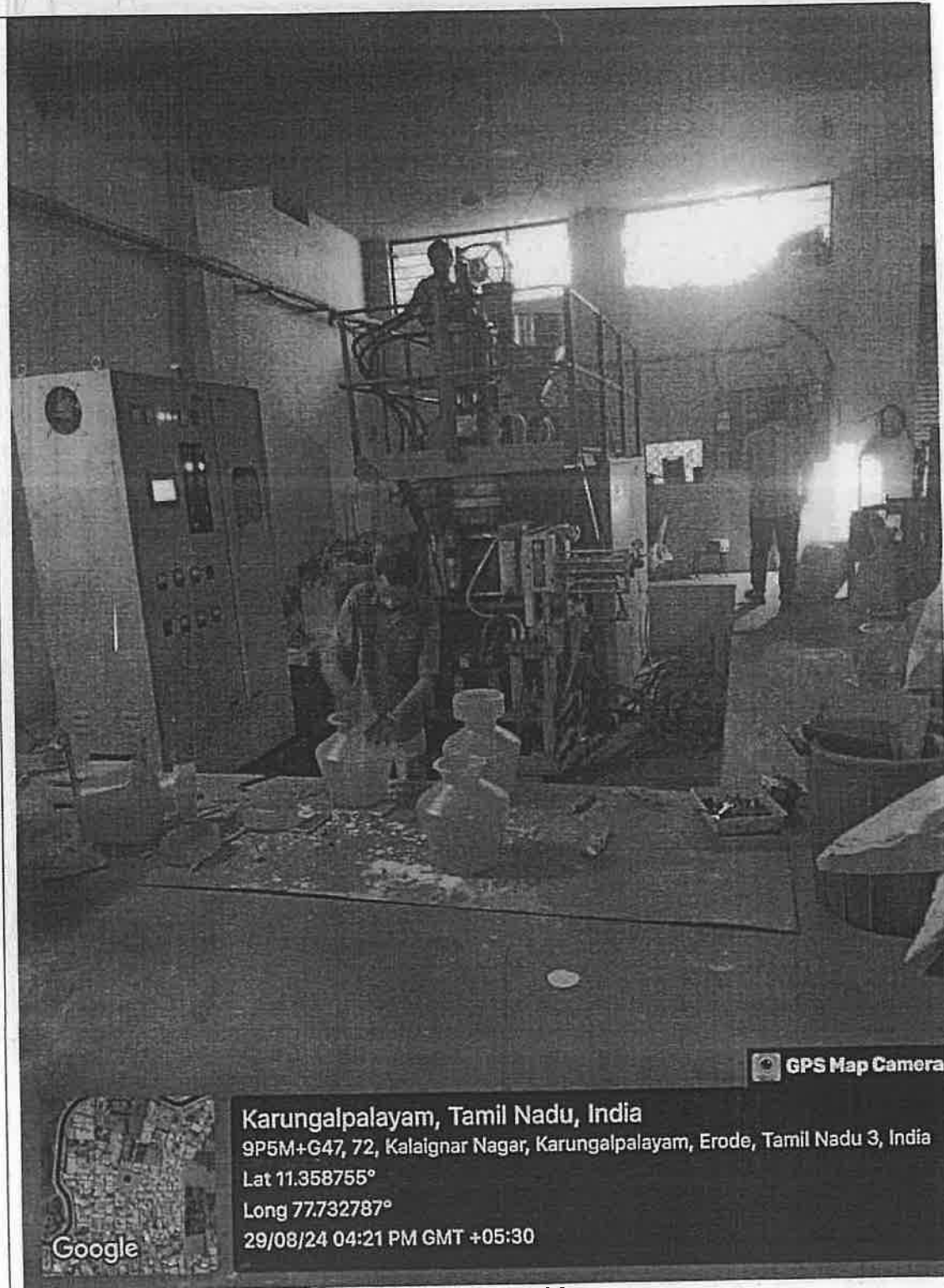


Colour sorter



875





GPS Map Camera



Karungalpalayam, Tamil Nadu, India

9P5M+G47, 72, Kalaingar Nagar, Karungalpalayam, Erode, Tamil Nadu 3, India

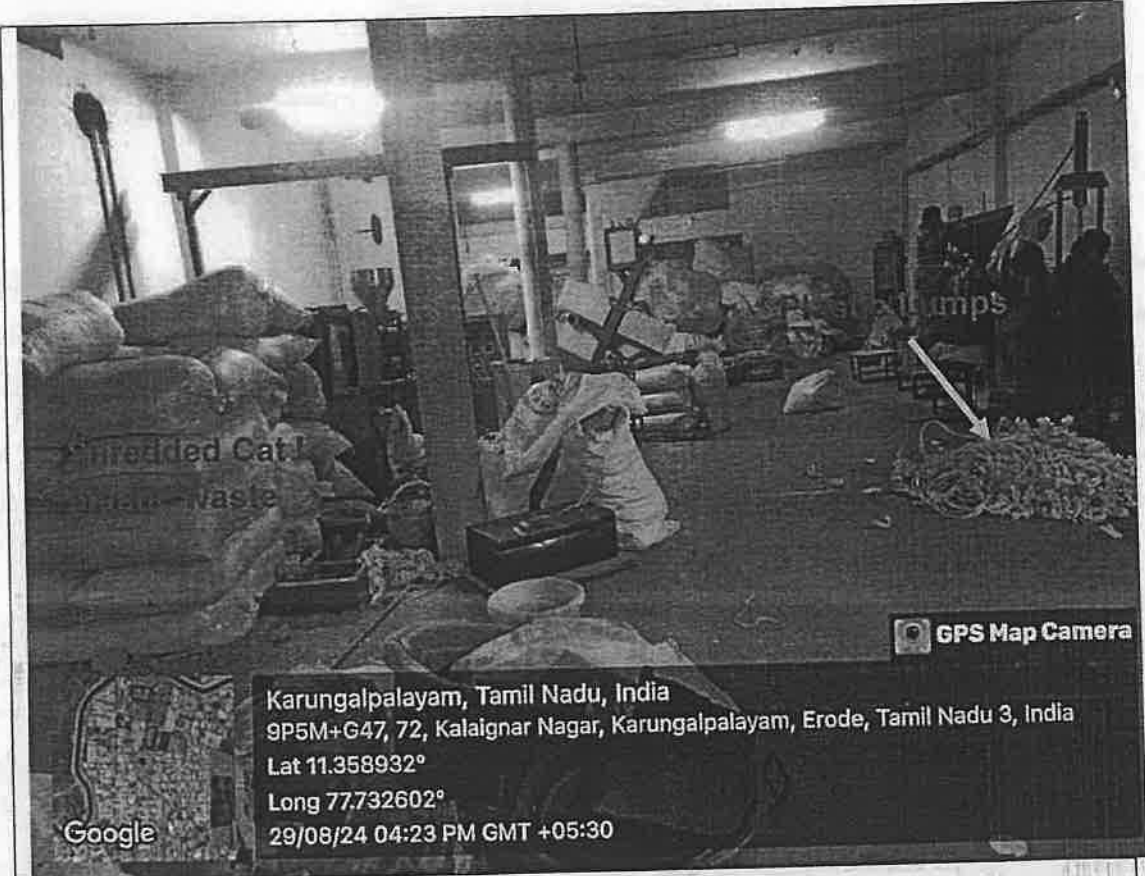
Lat 11.358755°

Long 77.732787°

29/08/24 04:21 PM GMT +05:30

Pot Making Machine

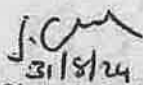
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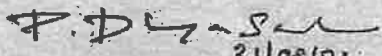


Finished product stored and packed

## Declaration

We Dr. S. Chandrasekaran, Assistant Environmental Engineer and Tmt. P. Dhivya Sankari, Assistant Engineer, Tamil Nadu Pollution Control Board do hereby declare that all information / documents provided in this Audit report is in order to the best of our satisfaction.

  
31/8/24  
Dr. S. Chandrasekaran  
Assistant Environmental Engineer  
Corporate Office  
Tamil Nadu Pollution Control Board

  
31/08/24  
Tmt. P. Dhivya Sankari  
Assistant Engineer  
Corporate office  
Tamil Nadu Pollution Control Board

**Report on EPR audit of M/s Chettinad Cements Corporation Private Limited, Karikali, Dindigul, Tamilnadu by the officials of TNPCB on 23.08.2024 and 24.08.2024**

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In this regard, the Plastic Waste Processing unit M/s Chettinad Cement Corporation Private Limited, Karikkali, Dindigul is scheduled to be audited on 23.08.2024 and 24.08.2024 by the team consisting of

1. Dr. S. Chandrasekaran, AEE.
2. Tmt. G. Usha Rani, AE
3. Tmt. P. Dhivya Sankari, AE.

For the purpose of carrying out audit, a third party audit app & web module was developed by the CPCB with the following features

- i) Geo tagging of photographs/video of the audited industry
- ii) Geofencing of audited entity premises
- iii) Comprehensive format and provision for offsite and onsite audit

The following activities were carried out during the audit

- i) On day 1 (23.08.2024), the co-processing facility of the unit was visited in which geofencing of the unit was carried out using the audit app
- ii) The unit authorities were informed to provide one hour (12 pm to 1 pm) and one day (24 hours of 23.08.2024) data of the following
  - a. Electrical consumption
  - b. Intake of plastic waste for co-processing
  - c. Clinker production
  - d. Characterization of solid waste used for co-processing
- iii) The co-processing activities were photo and video captured with the inbuilt third party audit app.
- iv) On day 1 (23.08.2024) AN and on day 2 (24.08.2024), documents were verified for the year 2022-23 with respect to electrical consumption, procurement details, production details and sales details along with the correctness of the EPR application details.

The photographs of the audit carried out is given in Annexure I.

**Observations:**

The following were observed based on the audit:

- i) The unit has consent under Water (P&CP) Act, 1974 as amended and Air (P&CP) Act, 1981 as amended valid upto 31.03.2026 for production of cement of 4.5 million tons per annum. The unit has valid Hazardous waste authorization valid upto 31.03.2029.
- ii) During the period 2023-24, the quantity of clinker produced is 2371868.208 tons and cement produced is 3.283 million tons and for the period 2022-23, the quantity of clinker produced is 1929621 tons and cement produced is 2.633 million tons.
- iii) The solid waste as received by the unit is sent by conveyor to the shredder. The conveyor is provided with magnetic separator to remove the metallic waste. The size of the waste is reduced to less than 40mm in the shredder. The shredded waste is stored and fed into the kiln through conveyors with the help of crab crane.
- iv) Total area of the plant is 64.83 Hectares(648300sq.m). The area of the AFR handling facility is 4000Sq.m

- v) The numbers of workers at the plant(Cement and captive power plant) is around 375(inclusive of contract workers).The number of workers at the AFR handling facility is 30.
- vi) The unit has not mentioned the individual machinery details in the application. During verification, the following machinery are found
  - a. Magnetic Separator-3 nos
  - b. Shredding Machine @ 355 KWH
  - c. Shredded (50-75mm) alternative fuel storage (Cap: 420 tons)
  - d. Crab Crane - Cap.20Tons
- vii) The unit has a captive power plant of capacity 45MW from which power for all the plant operations utilised.
- viii) The unit has provided adequate storage space (1511 sq. m) for the storage of solid waste received of approx quantity of 600 tons. Of the above, 500 to 600 tons of plastic waste is consumed for co-processing.
- ix) The unit is carrying characterization of waste on daily basis and the same is provided in the procurement data.
- x) The unit mainly utilises power utilization from captive power plant of capacity 45MW. The electricity from TNEB is utilised for startup of captive powerplant during shutdown. The recent Electricity Bills are uploaded shows less utilization as most of the power is utilised from captive power plants. The power generation and utility statement(for Q1 of financial year 2024-25) for the electricity generated in the captive power plant is uploaded along with the Electricity bills.
- xi) During the day of audit, the power consumed is from the captive power plant only. Power supply from TNEB is used only for startup of captive power plant after shutdown. The same was verified with the shut down records and EB bill consumed.
- xii) The unit does not generate any trade effluent. However, the unit has provided ETP of capacity of 300 kld for treatment of trade effluent (277 kld) from captive power plant.
- xiii) The sewage generated (133 kld from cement plant & 9 kld from captive power plant) is being treated at the STP of capacity 150 kld

- xiv) Random verification of suppliers of plastic waste and buyers of final product is carried out and the details of the invoices are in conformity with the data uploaded in the EPR portal.

**Non-compliances observed:**

1. Unit has not provided individual machinery details along with power rating in the EPR application.
2. Production capacity of cement as per consent order is 4.5 million TPA. As per EPR application, the production capacity (cement) as per EPR application is 5.6 MTPA. However upon verification with sales records, cement production for the year 2023-24 is 3.283 million tons per annum which is within the consented capacity. In spite of the above, the unit shall correct the production capacity to the total of 4.5 million TPA while applying for EPR renewal.
3. For the year 2022-2023, clinker production data was mentioned for a particular day instead of particular period.
4. The procurement details on 21.03.2024 was wrongly entered as 7655.294T instead of 7.655 tons and the same is reflected in the annual report for cumulative waste procurement. However, the same quantity has not been considered for EPR credits.
5. GST statement provided is for the combined three units of Chettinad Cement located at Puliyur, Karikkali and Ariyalur and hence could not be comparable with GST amount in EPR portal. Also, the unit has informed that while entering bulk entry of sales, date of sale is taken as date of entry and during audit GST amount could not be ascertained for particular quarter. Hence data for audit was taken as per unit records.

Screenshot of the filled-in details of audit app is given in Annexure II.

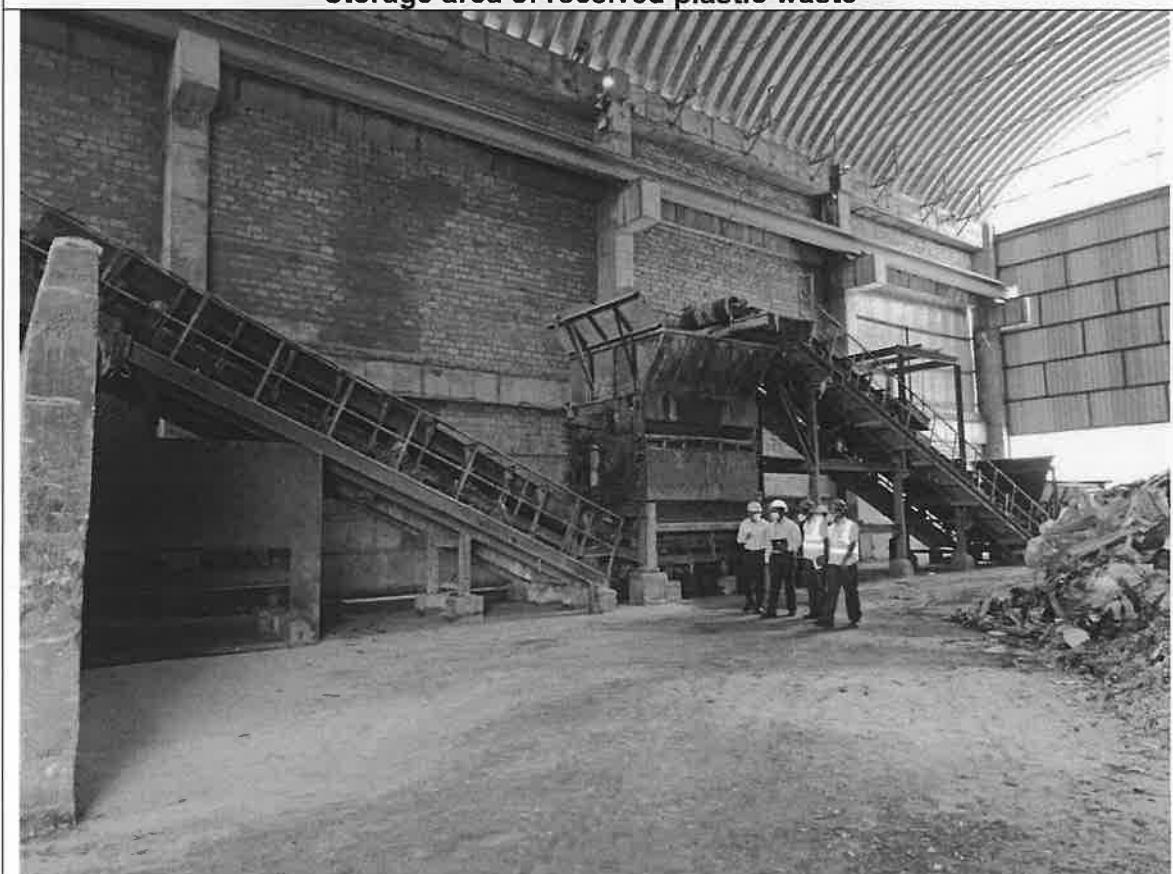
### **Annexure I - Photographs**



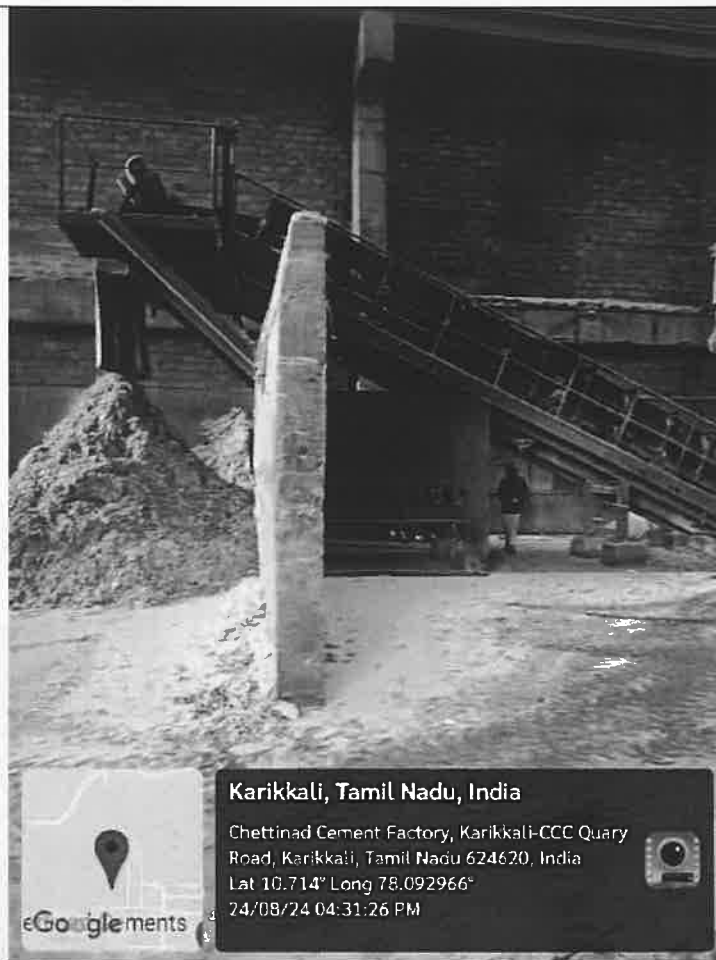
**Inspection team along with the unit representatives**



**Storage area of received plastic waste**



**Loading of plastic waste into the hopper and conveyer arrangement with magnetic separator through which reaches shredder**



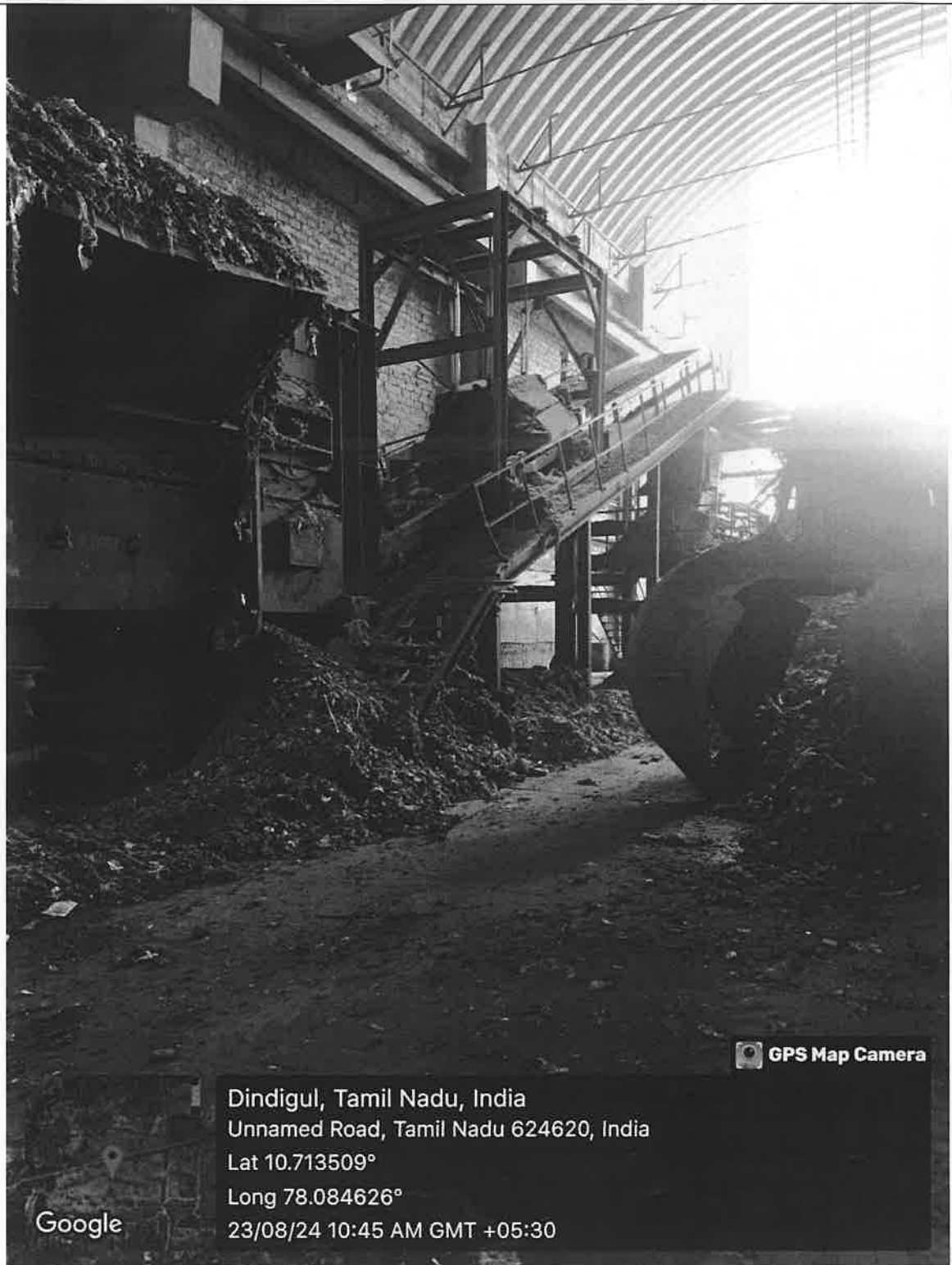
Karikkali, Tamil Nadu, India

Chettinad Cement Factory, Karikkali-CCC Quarry  
Road, Karikkali, Tamil Nadu 624620, India

Lat 10.714° Long 78.092966°

24/08/24 04:31:26 PM

**plastic waste is being shredded and stored**

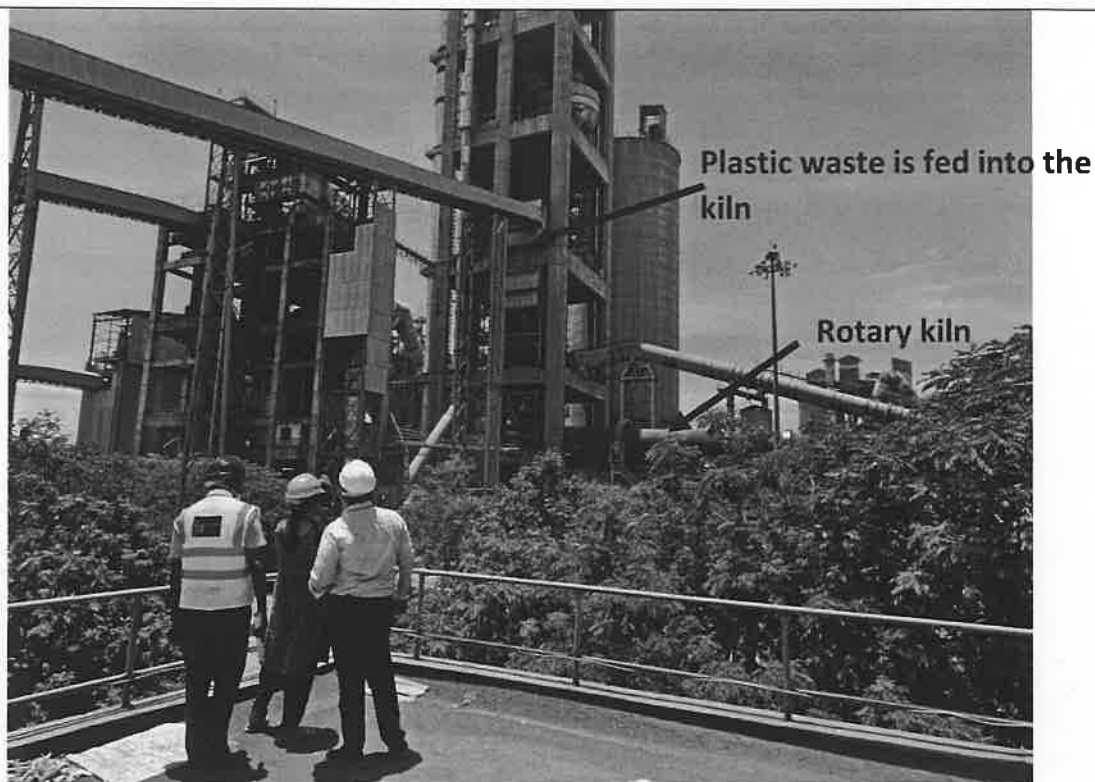


GPS Map Camera

Google

Dindigul, Tamil Nadu, India  
Unnamed Road, Tamil Nadu 624620, India  
Lat 10.713509°  
Long 78.084626°  
23/08/24 10:45 AM GMT +05:30

**Shredded plastic waste is fed through the conveyor to the kiln.**



**Plastic Waste is fed into the kiln**



**Finished product(Cement) is packed**





File 141



## TAMIL NADU POLLUTION CONTROL BOARD



**Proceeding No.T1/TNPCB/F.018435/CPCB/Plastic/2024 Dated : 23.05.2025**

**Sub:** TNPCB – Industries – M/s.V.P.PLAST, S.F.No.436/4, Kalaingar Nagar, Karungalpalayam, Erode Taluk, Erode District – Cancellation of Registration and Levy of Environmental compensation under provision 13.3 and 11.4 of Schedule-II of PWM Rules dated July 06, 2022-Directions issued - Regarding.

**Ref:** 1. Proceeding No. / T1 / TNPCB / F.018435 / CPCB / Show Cause Notice / 2024  
Dt:17.03.2025  
2. Unit's Letter dt 07.04.2025.

\*\*\*\*\*

Whereas, the unit of M/s.V.P.PLAST, S.F.No.436/4, Kalaingar Nagar, Karungalpalayam, Erode Taluk, Erode District was issued with Show Cause Notice as to why the unit shall not be imposed with Environmental Compensation of Rs.1,00,000 vide reference 1<sup>st</sup> cited above for the following observations made during the audit of the unit by the officials of TNPCB, Board Office on 29.08.2024.

1. The unit was utilizing raw material other than non-packaging plastic such as buckets, vessels, automobile components
2. The unit is receiving Cat I Rigid Plastic along with Cat II Flexible waste. In EPR application, Cat I has not been selected
3. EPR credits generated for sales of plastic recycled products manufactured from other than non-packaging plastics.
4. On verification with sales records and HSN Code, it was observed that the unit has generated EPR credits by selling mixed plastic / plastic scrap.
5. The sanctioned power load has been decreased from 97 kW to 52 kW by the TNEB. However, the machineries have not been reduced, in spite of reduction in the sanctioned power load.
6. Genuineness / authenticity of sales invoice could not be ascertained as there are no generated e-invoices available along with QR code / Invoice Reference Number (IRN).
7. The owner of VP Plast also had another unit (M/s. Fathima Eco Solution, Pallipalayam, Namakkal District) through which plastic scrap was procured and sold between these units and subsequently generated EPR credits. Also, it was observed that, Fathima Eco Solution is an existing PWP operating without Consent of TNPCB as well as EPR Registration.
8. The average monthly power consumption for 2nd quarter of 2023 shows low consumption (32.5833 kWh) than average monthly power consumption (1449.5798 kWh) indicating that the unit has not carried out production in a full-fledged manner. Also, it was

further verified with sales records that the unit has sent scrap or grinded chips to their own unit / sister unit and various other units.

9. The unit needs to improve housekeeping as the plastic waste was not stored and segregated properly.

Whereas, the unit vide its letter dated 07.04.2025 has accepted few of the observations, defended others and requested not to impose Environmental Compensation of Rs.1,00,000. However, the unit's explanation could not be accepted as EPR credits has been generated by the unit for sale of plastic recycled products manufactured from other than non-packaging plastics, Plastic scraps and mixed plastics.

In view of the above, in exercise of the powers conferred under the Section 5 of the Environment (Protection) Act, 1986 as amended, the Board hereby cancels the EPR registration of the unit of M/s.V.P.PLAST, S.F.No.436/4, Kalaingar Nagar, Karungalpalayam, Erode Taluk, Erode District and also directs to remit the Environmental Compensation of Rs 1,00,000 within 15 days from the date of receipt of this direction for the violations mentioned above.

Failure to comply with the above said directions, necessary action will be initiated against the unit as per the provisions of the Environment (Protection) Act, 1986 as amended such as closure of the unit and disconnection of power supply etc.

The receipt of this proceeding shall be acknowledged.

**Sd/xxxx  
Chairperson**

**To**  
The Proprietor,  
M/s.V.P.PLAST,  
S.F.No.436/4, Kalaingar Nagar,  
Karungalpalayam,  
Erode Taluk, Erode District - 638003

**Copy to**

1. The Joint Chief Environmental Engineer (Monitoring),  
Tamil Nadu Pollution Control Board,  
Salem – For follow up and report
2. The District Environmental Engineer,  
Tamil Nadu Pollution Control Board,  
Erode – For follow up and report
3. Technical file.

**Copy submitted to**

1. The Member Secretary,  
Central Pollution Control Board,  
Parivesh Bhawan, East Arjun Nagar,  
Delhi-110032

*26/5/25*  
**For Chairperson**

*26/5/25*