IS / ISO 9001 BIS QMS | IS / ISO 14001 BIS EMS | IS 18001 BIS OHSMS | IS / ISO 50001 BIS EnMS

Chettinad cement

Chettinad Cement, KW / HW & OW - Annual Returns / Form 4 / 2021-22 / EHS-082
28rd June, 2022

The District Environmental Engineer
Tamilnadu Pollution Control Board
Collector Office Campus
Dindigul -624 004
Ph : 0451-2423166

Sir,

**Sub :** Submission of **Annual Return** in **Form 4** under Hazardous and Other Wastes (Management, Handling and Transboundary Movement) Rules, 2016 for the year **2021-2022** - Chettinad Cement Corporation Private Limited, Karikkali Works, **Cement Plant & Captive Power Plant** – Reg.

**Ref :** **HW Authorization Order No. 19HFC13545145 vide proceeding No.T2 /TNPCB / F.0014DGL / HWA / RL/DGL/2019 dated 24.07.2019**

* * * * * * * * *

We submit herewith the Annual Return in the prescribed format (**Form 4**) under the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016, pertaining to **Cement Plant & Captive Power Plant** of Chettinad Cement Corporation Private Limited (Karikkali Works), located at karikkali village, Guziliamparai Taulk, Dindigul District, Tamilnadu of the year 2021-2022.

Thanking you,

Yours faithfully,
for **CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,**

V.KRISHNAN
JOINT PRESIDENT [WORKS]

Copy to: 1. Member Secretary, TNPCB, Chennai
2. JCEE (M), TNPCB, Madurai

CHETTINAD CEMENT CORPN PVT LTD. KARIKKALI 624703

**Chettinad Cement Corporation Private Limited.**
Rani Meyyammai Nagar, Karikkali (Po), Guziliamparai (Via),
Dindigul Dist - 624 703, Tamilnadu, India.
T +91 4551 234431, 234441, 234602
F + 91 4551 234608
E karikkali@chettinadcement.com
www.chettinadcement.com

**Head Office :**
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603, Anna Salai, Chennai - 600 006, Tamilnadu, India.
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# FORM 4

*[See Rules 6(5), 13(8), 16(6) and 20(2)]*

## FORM FOR FILING ANNUAL RETURNS (2020-21)

[To be submitted to State Pollution Control Board by 30th day of June of every year for preceding period April 2021 to March 2022 ]

| | | |
|---|---|---|
| 1. | Name and address of the of facility | Chettinad Cement Corporation Private Limited<br>(Cement Plant & Captive Power Plant)<br>Rani Meyyammai Nagar, Guzijiymaparai Taluk<br>Karikkali Village, Dindigul District, Tamilnadu.<br>Pin code : 624 703 |
| 2. | Authorisation No. and Date of Issue | Authorisation No. : 19HFC13545145<br>Date of Issue : 24.07.2019 |
| 3. | Name of the authorized person and full address with telephone, fax number and email | **V.KRISHNAN**<br>Joint President [Works & Unit Head ]<br>Chettinad Cement Corporation Private Limited<br>Rani Meyyammai Nagar, Guzijiymaparai Taluk<br>Karikkali Village, Dindigul District, Tamilnadu.<br>Pin code : 624 703<br>Ph : 04551-234441, 234431, Fax: 04551-234608,<br>karikkali@chettinadcement.com |
| 4. | Production during the year (Product wise), Wherever applicable. | **Total Production for the year 2021-2022**<br>a. Cement : 2310569.769 tons<br>( 2.31 million tons per annum)<br><br>b. Power Generation : 201681872 Kwh<br>(29.98 MW/Hr) |

CHETTINAD CEMENT CORPN.PVT.LTD. KARIKKALI 624703

## Part A. To be filled by Hazardous Waste Generators

<table>
<tr><td rowspan="2">1.</td><td rowspan="2">Total quantity of waste generated category wise</td><td rowspan="2">S.No</td><td rowspan="2">Name of the Hazardous Waste</td><td rowspan="2">HW Category</td><td colspan="2">Quantity of HW Generated for the year 2020 -21</td></tr>
<tr><td>Cement Plant</td><td>Power Plant</td></tr>
<tr><td></td><td></td><td>1.</td><td>Used or Spent oil</td><td>5.1</td><td>17.700 KL</td><td>0.630 KL</td></tr>
<tr><td>2.</td><td>Quantity dispatched<br><br>(i) To disposal facility<br><br>(ii) To recycler or co-Processors or pre-processor<br><br>(iii) Others</td><td colspan="5">Sent to TNPCB authorized agency<br>– M/s. Sri Balaji Industries, Coimbatore - 642110<br><br>18.320 KL<br><br>NIL</td></tr>
<tr><td>3.</td><td>Quantity utilised in-house, if any</td><td colspan="5">NIL</td></tr>
<tr><td>4.</td><td>Quantity in storage at the end of the year</td><td colspan="5">Opening Stock as on 01.04.2021 : 0.180 KL<br>Quantity Generated during 2021-22 : 18.330 KL<br>Quantity disposed to authorized agency 2021-22: 18.320 KL<br>Closing stock as on 31.03.2022 : 0.190 KL</td></tr>
</table>

## Part B. To be filled by Treatment, Storage and Disposal Facility Operators

| | | |
|---|---|---|
| 1. | Total quantity received | Not applicable as no Hazardous Waste has been received for treatment/storage/disposal |
| 2. | Quantity in stock at the beginning of the year | Not applicable as no Hazardous Waste has been received for treatment/storage/disposal |
| 3. | Quantity treated | Not applicable as no Hazardous Waste has been received for treatment/storage/disposal |
| 4. | Quantity disposed in landfills as such and after treatment | Not applicable as no Hazardous Waste has been received for treatment/storage/disposal |
| 5. | Quantity incinerated (if applicable) | Not applicable as no Hazardous Waste has been received for treatment/storage/disposal |
| 6. | Quantity processed other than specified above | NIL |
| 7. | Quantity in storage at the end of the year | NIL |

## Part C. To be filled by Recyclers or Co-processors or Other Users

| | | | | | |
|---|---|---|---|---|---|
| 1. | Quantity of waste received during the year 2021-22 | S.No | Name of Hazardous & Other Wastes | HW Category | Quantity received during 2021-22 in tons |
| | (i) Domestic sources | **A** | **Hazardous Wastes** | | |
| | | (1) | Waste or Residue containing Oil | 5.2 | 1731.600 |
| | | (2) | Phosphate Sludge | 12.5 | 74.860 |
| | | (3) | Solvent | 20.2 | 69.100 |
| | | (4) | Distillation Residues | 20.3 | 0.000 |
| | | (5) | Paint sludge | 21.1 | 2785.010 |
| | | (6) | Process Residues | 22.2 | 95.550 |
| | | (7) | Wastes & Residues | 23.1 | 2996.300 |
| | | (8) | Spent Carbon | 28.3 | 83.010 |
| | | (9) | Contaminated Cotton rags | 33.2 | 59.030 |
| | | (10) | Cleaning gas residues | 35.1 | 1200.800 |
| | | (11) | ETP Sludge | 35.3 | 5874.330 |
| | | (12) | Distillation residues | 36.1 | 147.990 |
| | | (13) | Filter Medium | 36.2 | 37.410 |
| | | (14) | GEPIL Solid waste Mix | 37.3 | 196.660 |
| | | | | **Total** | **15351.650** |
| | | **B** | **Other Wastes** | | |
| | | (1) | MSW & Plastic Wastes from ULBs | | 904.460 |
| | | (2) | Non Hazardous wastes (FRB wastes, Cotton wastes, Husk Wastes, RDF, Emery sheet wastes, Saw dust, Footwear waste etc) | | 3645.280 |
| | (ii) Imported (if applicable) | Not Applicable | | | |
| 2. | Quantity in stock at the beginning of the year | S.No | Name of Hazardous & Other Wastes | HW Category | Opening Stock as on 01.04.2021 in tons |
| | | **A** | **Hazardous Wastes** | | |
| | | (1) | Waste or Residue containing Oil | 5.2 | 0.000 |
| | | (2) | Phosphate Sludge | 12.5 | 0.000 |
| | | (3) | Solvent | 20.2 | 0.000 |
| | | (4) | Distillation Residues | 20.3 | 0.000 |
| | | (5) | Paint sludge | 21.1 | 386.565 |
| | | (6) | Process Residues | 22.2 | 24.392 |
| | | (7) | Wastes & Residues | 23.1 | 0.000 |
| | | (8) | Spent Carbon | 28.3 | 0.000 |
| | | (9) | Contaminated Cotton rags | 33.2 | 0.000 |
| | | (10) | Cleaning gas residues | 35.1 | 0.000 |
| | | (11) | ETP Sludge | 35.3 | 163.452 |
| | | (12) | Distillation residues | 36.1 | 0.000 |
| | | (13) | Filter Medium | 36.2 | 0.000 |
| | | (14) | GEPIL Solid waste Mix | 37.3 | 0.000 |
| | | | | **Total** | **574.409** |
| | | **B** | **Other Wastes** | | |
| | | (1) | MSW & Plastic Wastes from ULBs | | 81.976 |
| | | (2) | Non Hazardous wastes (FRB wastes, Cotton wastes, Husk Wastes, RDF, Emery sheet wastes, Saw dust, Footwear waste etc) | | 222.275 |



CHETTINAD CEMENT CORPN. PVT. LTD. KARIKKALI 624703

| | | | | | |
|---|---|---|---|---|---|
| 3. | Quantity recycled or co-processed or used | S.No | Name of Hazardous & Other Wastes | HW Category | Quantity Co-processed during 2021-22 in tons |
| | | **A** | **Hazardous Wastes** | | |
| | | (1) | Waste or Residue containing Oil | 5.2 | 1729.758 |
| | | (2) | Phosphate Sludge | 12.5 | 74.259 |
| | | (3) | Solvent | 20.2 | 68.220 |
| | | (4) | Distillation Residues | 20.3 | 0.000 |
| | | (5) | Paint sludge | 21.1 | 2630.208 |
| | | (6) | Process Residues | 22.2 | 115.392 |
| | | (7) | Wastes & Residues | 23.1 | 1890.601 |
| | | (8) | Spent Carbon | 28.3 | 82.450 |
| | | (9) | Contaminated Cotton rags | 33.2 | 54.080 |
| | | (10) | Cleaning gas residues | 35.1 | 998.830 |
| | | (11) | ETP Sludge | 35.3 | 5928.891 |
| | | (12) | Distillation residues | 36.1 | 104.785 |
| | | (13) | Filter Medium | 36.2 | 12.360 |
| | | (14) | GEPIL Solid waste Mix | 37.3 | 193.935 |
| | | | | **Total** | **13883.769** |
| | | **B** | **Other Wastes** | | |
| | | (1) | MSW & Plastic Wastes | | 678.230 |
| | | (2) | Non Hazardous wastes (FRB wastes, Cotton wastes, Husk Wastes, RDF, Emery sheet wastes, Saw dust, Footwear waste etc) | | 2882.709 |
| 4. | Quantity products dispatched (wherever applicable) | NIL | | | |
| 5. | Quantity of waste generated | NIL | | | |
| 6. | Quantity of waste disposed | NIL | | | |
| 7. | Quantity re-exported (wherever applicable) | NIL | | | |

| 8. | Quantity in storage at the end of the year | S.No | Name of Hazardous & Other Wastes | HW Category | Closing Stock as on 31.03.2022 in tons |
|---|---|---|---|---|---|
| | | **A** | **Hazardous Wastes** | | |
| | | (1) | Waste or Residue containing Oil | 5.2 | 1.842 |
| | | (2) | Phosphate Sludge | 12.5 | 0.601 |
| | | (3) | Solvent | 20.2 | 0.880 |
| | | (4) | Distillation Residues | 20.3 | 0.000 |
| | | (5) | Paint sludge | 21.1 | 541.367 |
| | | (6) | Process Residues | 22.2 | 4.550 |
| | | (7) | Wastes & Residues | 23.1 | 1105.699 |
| | | (8) | Spent Carbon | 28.3 | 0.560 |
| | | (9) | Contaminated Cotton rags | 33.2 | 4.950 |
| | | (10) | Cleaning gas residues | 35.1 | 201.970 |
| | | (11) | ETP Sludge | 35.3 | 108.891 |
| | | (12) | Distillation residues | 36.1 | 43.205 |
| | | (13) | Filter Medium | 36.2 | 25.050 |
| | | (14) | GEPIL Solid waste Mix | 37.3 | 2.725 |
| | | | | **Total** | **2042.290** |
| | | **B** | **Other Wastes** | | |
| | | (1) | MSW & Plastic Wastes | | 308.206 |
| | | (2) | Non Hazardous wastes (FRB wastes, Cotton wastes, Husk Wastes, RDF, Emery sheet wastes, Saw dust, Footwear waste etc) | | 984.846 |

Date : 28rd June, 2022
Place : Karikkali

Signature of the Occupier or Operator the Disposal Facility
V.Krishnan,
Joint President [Works]

CHETTINAD CEMENT CORPN.PVT.LTD. KARIKKALI 624703

# Form - 10

*[ See Rule 19 (1) ]*

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

| | | | |
|---|---|---|---|
| 1. | Sender's Name & Mailing Address (including Phone No. & E-mail) | : | CHETTINAD CEMENT CORPN. PVT. LTD.,<br>RANI MEYYAMMAI NAGAR<br>KARIKKALI (POST), GUZILIZAMPARAI - VIA,<br>DINDIGUL (DT)-624 703. TAMILNADU. |
| 2. | Sender's Authorisation No. | : | 19HFC13545/25 dt 24.07.2019 |
| 3. | Manifest Document No. | : | 002 |
| 4. | Transporter's Name & Address (Including Phone No. & E-mail) | : | Sri Balaaji Industries<br>Coimbatore |
| 5. | Type of Vehicle | : | (Truck / Tanker / Special Vehicle) |
| 6. | Transporter's Registration No. | : | |
| 7. | Vehicle Registration No. | : | TN 09 [illegible] 3344 |
| 8. | Receiver's Name & Mailing Address (Including Phone No. & E-mail) | : | Sri Balaaji Industries<br>Coimbatore |
| 9. | Receiver's Authorisation No. | : | 79/TNPCB/F.0263(CBE)/ dt 09.02.2 |
| 10. | Waste Description | : | 5.1 used oil |
| 11. | Total Quantity<br>No. of Containers | : | 8.0 $m^3$ or MT<br>40 Nos |
| 12. | Physical form | : | (Solid / Semi - Solid/sludge/Oily/Tarry/Slurry/Liquid) |
| 13. | Special Handling Instruction & Additional information : | | |
| 14. | Sender Certificate | | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labeled and are in all respects in proper condition for transport by road according to applicable national government regulations. |
| | Name & Stamp : CHETTINAD CEMENT CORPN. PVT. LTD. KARIKKALI 624703 | Signature : | MONTH 10 DAY 03 YEAR 2022 |
| 15. | Transporter Acknowledgment of Receipt of Wastes | | |
| | Name & Stamp : | Signature : | MONTH 10 DAY 03 YEAR 2022 |
| 16. | Receiver's Certification of Receipt of Hazardous and other Waste | | |
| | Name & Stamp : SRI BALAAJI INDUSTRIES COIMBATORE DISTRICT | Signature : | MONTH 11 DAY 03 YEAR 2022 |

White : To be Forwarded by the sender to the State Pollution Control Board after singing all the seven copies.
Light Yellow : To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the tranporter.
Pink : To be retained by the receiver (Actual user or treatment storage & disposal facility operator) after receiving the waste & the remaining four copies are to be duly signed by the receiver.
Orange : To be handed over to the transporter by the receiver after accepting waste.
Green : To be sent by the receiver to the State Pollution Control Board.
Blue : To be sent by the receiver the sender.
Grey : To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State .

# Form - 10

*[ See Rule 19 (1) ]*

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

| | | | |
|---|---|---|---|
| 1. | Sender's Name & Mailing Address (including Phone No. & E-mail) | : | CHETTINAD CEMENT CORPN. PVT. LTD.,<br>RANI MEYYAMMAI NAGAR<br>KARIKKALI (POST), GUZILIZAMPARAI - VIA,<br>DINDIGUL (DT)-624 703. TAMILNADU. |
| 2. | Sender's Authorisation No. | : | 19HFC13545145 dt 24.07.2019 |
| 3. | Manifest Document No. | : | 001 |
| 4. | Transporter's Name & Address (Including Phone No. & E-mail) | : | Sri Balaji Indyfries<br>Coimbatore |
| 5. | Type of Vehicle | : | (Truck / Tanker / Special Vehicle) |
| 6. | Transporter's Registration No. | : | |
| 7. | Vehicle Registration No. | : | TN 09 CR 6441 |
| 8. | Receiver's Name & Mailing Address (Including Phone No. & E-mail) | : | Sri Balaji Indyfries<br>Coimbatore |
| 9. | Receiver's Authorisation No. | : | TN/TNPCB/F.0263CBS/ dt 09.02.2 |
| 10. | Waste Description | : | S.1 used oil |
| 11. | Total Quantity<br>No. of Containers | : | 10.330 $m^3$ or MT<br>51 Barrel Nos |
| 12. | Physical form | : | (Solid / Semi - Solid/sludge/Oily/Tarry/Slurry/Liquid) |
| 13. | Special Handling Instruction & Additional information : | | |
| 14. | Sender Certificate | | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labeled and are in all respects in proper condition for transport by road according to applicable national government regulations. |
| | Name & Stamp : CHETTINAD CEMENT CORPN. PVT. LTD. KARIKKALI 624703 | Signature : | MONTH 02 DAY 15 YEAR 2022 |
| 15. | Transporter Acknowledgment of Receipt of Wastes | | |
| | Name & Stamp : SRI BALAJI INDUSTRIES COIMBATORE DISTRICT-624 110 | Signature : | MONTH 02 DAY 15 YEAR 2022 |
| 16. | Receiver's Certification of Receipt of Hazardous and other Waste | | |
| | Name & Stamp : SRI BALAJI INDUSTRIES COIMBATORE DISTRICT-624 110 | Signature : | MONTH 02 DAY 16 YEAR 2022 |

White : To be Forwarded by the sender to the State Pollution Control Board after singing all the seven copies.
Light Yellow : To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the tranporter.
Pink : To be retained by the receiver (Actual user or treatment storage & disposal facility operator) after receiving the waste & the remaining four copies are to be duly signed by the receiver.
Orange : To be handed over to the transporter by the receiver after accepting waste.
Green : To be sent by the receiver to the State Pollution Control Board.
Blue : To be sent by the receiver the sender.
Grey : To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State .