



TAMILNADU POLLUTION CONTROL BOARD



AUTHORISATION No. 18HFC9598326 dated 28/11/2018

Proceeding No. T2/TNPCB/F.0022ARY/HWA/RL/ARY/2018 dated 28/11/2018

Sub: Tamil Nadu Pollution Control Board – Hazardous Waste Authorization-Fresh- M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED, S.F.No. SF Nos 6-11,25,27-29,38,40-45,49,51,52,89-91,93,95,97,98,101,118,119,123,125,126 parts, KEELAPALUR Village, ARIYALUR Taluk, Ariyalur District - Authorization under Rule 6 (2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 enacted under Environment (Protection) Act, 1986 – Issued- Reg.

Ref: 1. Unit's application on 13.07.2017 and resubmitted on 6.10.2018.
2. JCEE(M) HWA-IR.No.0022ARY/HWA/RL/JCEE-M/JCEE/2018 dated 30/10/2018.

FORM 2

[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorization: 18HFC9598326 and dated : 28/11/2018
2. The Managing Director of M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED is hereby granted an Authorisation based on the enclosed signed Inspection report for Generation, Collection, Reception, Storage, Transportation and Disposal of hazardous or other wastes or both on the premises situated at S.F.No. SF Nos 6-11,25,27-29,38,40-45,49,51,52,89-91,93,95,97,98,101,118,119,123,125,126 parts, KEELAPALUR Village, ARIYALUR Taluk, Ariyalur District.



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Sl No	Schedule / Name of the Processes	Name of Hazardous Waste (with category No)	Quantity	Activities for which Authorization is issued
1	Schedule I /5. Industrial operations using mineral or synthetic oil as lubricant in hydraulic systems or other applications	5.1-Used or spent oil	60 T/Annum	Generation,Collection,Storage,Transportation,Disposal to TNPCB/CPCB authorised Recyclers
2	Schedule I /35. Purification and treatment of exhaust air/gases, water and waste water from the processes in this schedule and common industrial effluent treatment plants (CETP's)	35.3-Chemical sludge from waste water treatment	7300 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
3	Schedule I /28. Production/formulation of drugs/pharmaceutical and health care product	28.3-Spent carbon	12000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
4	Schedule I /28. Production/formulation of drugs/pharmaceutical and health care product	28.1-Process Residue and wastes	12000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
5	Schedule I /28. Production/formulation of drugs/pharmaceutical and health care product	28.6-Spent solvents	12000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
6	Schedule I /21. Production and/or industrial use of paints, pigments, lacquers, varnishes and inks	21.1-Process wastes, residues and sludges	18000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
7	Schedule I /4. Petroleum refining or re-processing of used oil or recycling of waste oil	4.1-Oil sludge or emulsion	3600 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
8	Schedule I /5. Industrial operations using mineral or synthetic oil as lubricant in hydraulic systems or other applications	5.2-Wastes or residues containing oil	1500 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
9	Schedule I /1. Petrochemical processes and pyrolytic operations	1.3-Oily sludge emulsion	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
10	Schedule I /1. Petrochemical processes and pyrolytic operations	1.4-Organic residues	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
11	Schedule I /12. Metal surface treatment such as etching, staining, polishing, galvanizing, cleaning, degreasing, plating, etc.	12.5-Phosphate sludge	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
12	Schedule I /21. Production and/or industrial use of paints, pigments, lacquers, varnishes and inks	21.2-Spent solvent	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
13	Schedule I /22. Production of plastics	22.2-Process residues	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
14	Schedule I /22. Production of plastics	22.1-Spent catalysts	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln

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14	Schedule I /22. Production of plastics	22.1-Spent catalysts	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
15	Schedule I /23. Production and /or industrial use of glues, organic cements, adhesive and resins	23.1-Wastes or residues (not made with vegetable or animal materials)	6000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
16	Schedule I /28. Production/formulation of drugs/pharmaceutical and health care product	28.2-Spent catalyst	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
17	Schedule I /28. Production/formulation of drugs/pharmaceutical and health care product	28.5-Date-expired products	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
18	Schedule I /26. Production or industrial use of synthetic dyes, dye-intermediates and pigments	26.1-Process waste sludge/residues containing acid, toxic metals, organic compounds	2400 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
19	Schedule III /Part-B- B3- Wastes containing principally organic constituents, which may contain metals and inorganic materials	B3040-Rubber Wastes The following materials, provided they are not mixed with other wastes:-Waste and scrap of hard rubber (e.g., ebonite)-Other rubber wastes (excluding such wastes specified elsewhere)	6000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln
20	Schedule I /37. Hazardous waste treatment processes e.g. pre-processing, incineration and concentration	37.3-Concentration or evaporation residues	18000 T/Annum	Reception , storage and disposal for Coprocessing in cement kiln

3. This authorization shall be valid for a period upto 27/11/2023.

The Authorization is issued subject to the following general and special conditions annexed.

G. GOPALAKRISHNAN

Digitally signed by G. GOPALAKRISHNAN
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**For Member Secretary
Tamil Nadu Pollution Control Board
Chennai**

A. GENERAL CONDITIONS OF AUTHORIZATION

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by Tamil Nadu Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this Authorisation.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorised shall implement Emergency Response procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire ,etc and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorised shall comply with the provisions outlined in the CPCB guidelines on "Implementing Liabilities for Environmental damages due to Handling and Disposal of Hazardous Wastes and Penalty".
7. It is the duty of the authorized person to take prior permission of Tamil Nadu Pollution Control Board to close down the facility.
8. The imported Hazardous and other wastes shall be fully insured for transit as well as the accidental occurrences and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

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10. The Hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of Authorisation.
11. The importer or Exporter shall bear the cost of import or export or mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the MoEF and CC or CPCB from time to time.
14. Annual returns shall be filed by June 30th for the period ending 31st March of the previous financial year.

B. SPECIFIC CONDITIONS - HW Generator

1. The occupier/generator shall be responsible for safe and environmentally sound management of hazardous and other wastes.
2. The occupier shall follow the following steps for the management of hazardous and other wastes. (a) prevention (b) minimization (c) reuse (d) recycling (e) recovery, utilisation including co-processing and (f) safe disposal
3. The occupier shall take all the steps while managing hazardous and other wastes - (a) To contain contaminants and prevent accidents and limit their consequences on human beings and the environment; and (b) To provide persons working in the site with appropriate training, equipment and the information necessary to ensure their safety.
4. The occupier shall store the hazardous and other wastes for a period not exceeding ninety days and shall maintain a record of sale, transfer, storage, recycling, recovery, pre-processing, co-processing and utilisation of such wastes and make these records available for inspection:
5. The hazardous and other wastes shall be stored temporally in an isolated area earmarked for the purpose within the occupier's premises (it shall not be accessible to rain water) till scientific disposal. The storage area shall be fenced properly and a sign of danger shall be placed at the storage site.
6. The containers holding the hazardous and other wastes shall be kept in good condition and made of materials which can withstand the physical and environmental conditions during storage and transportation. Only properly cleaned containers shall be used for storage of hazardous and other wastes.
7. The occupier handling hazardous or other wastes shall maintain records of such operations of generation, handling, storage and disposal as per Form 3.
8. The hazardous and other wastes generated in the establishment of the occupier shall be sent or sold to an authorised actual user or shall be disposed of in an authorised disposal facility.
9. The occupier handling hazardous or other wastes shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time
10. The labelling of package of hazardous or other wastes shall be done as per Form 8. The label shall be of non-washable material, weather proof and easily visible.
11. The hazardous and other wastes shall be transported from the occupier's establishment to an authorised actual user or to an authorised disposal facility in accordance with the provisions of these rules.
12. The transport of the hazardous and other wastes shall be in accordance with the provisions of these rules and the rules made by the Central Government under the Motor Vehicles Act, 1988 and the guidelines issued by the Central Pollution Control Board from time to time in this regard..
13. The occupier shall provide the transporter with the relevant information in Form 9, regarding the hazardous nature of the wastes and measures to be taken in case of an emergency and shall label the hazardous and other wastes containers as per Form 8
14. The authorisation for transport shall be obtained either by the sender or the receiver on whose behalf the transport is being arranged.
15. The transporter/sender of the hazardous and other wastes shall prepare and maintain manifest in Form 10.
16. The occupier or the operator or the transporter shall immediately intimate TNPCB through telephone, e-mail about the accident and subsequently send a report in Form 11, where an accident occurs at the facility of the occupier handling hazardous or other wastes and operator of the disposal facility or during transportation



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17. The occupier who intends to get its hazardous and other wastes treated and disposed of by the operator of a treatment, storage and disposal facility shall give to the operator of that facility, such specific information as may be needed for safe storage and disposal.
18. The occupier shall be liable for all damages caused to the environment due to improper handling and management of the hazardous and other wastes.
19. The occupier handling hazardous and other wastes shall submit annual returns containing the details specified in Form 4 to TNPCB on or before the 30th day of June of every year for the preceding period April to March.
20. Any increase in quantity of handling of hazardous and other wastes, any change in category of hazardous and other wastes and any change in method of handling operations shall be brought to the notice of the TNPCB and fresh authorization shall be obtained.

D. SPECIFIC CONDITIONS - Actual Users (Recyclers/Pre-processors/Co-processors)

1. The actual user shall be responsible for safe and environmentally sound management of hazardous and other wastes
2. The actual user shall procure and process the hazardous and other wastes for reuse, recycle, pre-process, utilise including co-processing for beneficial purposes only.
3. The utilisation of hazardous and other wastes as a resource or after pre-processing either for co-processing or for any other use, including within the premises of the generator (if it is not part of process), shall be carried out only after obtaining authorisation from TNPCB in respect of waste on the basis of standard operating procedures or guidelines provided by the Central Pollution Control Board.
4. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation
5. Handing over of the hazardous and other wastes to the authorised actual user shall be only after making the entry into the passbook of the actual user
6. The actual user handling hazardous and other wastes shall file an annual return in Form 4 to TNPCB on or before the 30th day of June following the financial year to which that return relates.
7. The actual user or the transporter shall immediately intimate TNPCB through telephone, e-mail about the accident and subsequently send a report in Form 11, where an accident occurs at the facility of the occupier handling hazardous or other wastes and operator of the disposal facility or during transportation
8. The actual user, importer or exporter shall be liable for all damages caused to the environment or third party due to improper handling and management of the hazardous and other wastes.
9. The actual user shall not be permitted to import hazardous and other wastes from any country to India for disposal.
10. The actual user shall not be permitted to import hazardous and other wastes specified in Schedule VI of the rules.
11. The actual user shall import hazardous and other wastes from any country only for recycling, recovery, reuse and utilisation including co-processing.
12. The actual user shall import the hazardous waste as in Part A of Schedule III after obtaining prior informed consent of the exporting country and the permission of the Ministry of Environment, Forest and Climate Change
13. The actual user shall maintain records of the hazardous and other waste imported by him in Form 3 and the record so maintained shall be made available for inspection.

ADDITIONAL SPECIFIC CONDITIONS

1. The authorisation issued vide Board's Proceeding No. T8/TNPCB /F.0022ARY /HWA /RL /ARY/2017 dated 26/05/2017 is cancelled and recorded.
2. The unit shall ensure that all provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and guidelines of CPCB are complied with while handling hazardous waste.
3. The unit shall comply with the Guidelines for Pre processing and Co- processing of Hazardous and other wastes in cement plant as per H&OW (M& TBM) Rules, 2016 –July, 2017 issued by CPCB
4. The unit shall comply with the co-processing standards as prescribed in the MoEF&CC Notification dated 10th May 2016.
5. The unit shall carry Kiln stack analysis report for the parameters specified by CPCB while Co-processing of

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wastes and submit the report regularly to Board.

6. The unit (Cement unit) shall make necessary agreement with the industries from whom waste to be taken and the same should be submitted to the TNPCB.

7. The unit shall ensure that the Industries from whom waste to be taken should possess with the valid consent and authorization of the Board for co processing.

8. The unit shall furnish the list of Industries from whom the Hazardous waste category- to be obtained for the total quantity for co processing and furnish monthly utilisation of all the Hazardous wastes obtained for co processing to JCEE(M) & Board.

9. The waste to be taken for co-processing should satisfy the characteristics mentioned by the CPCB.

10. The unit shall store the received hazardous waste in secured manner so as to avoid any leachate generation & gas formation and co process in Cement kiln as per CPCB permission.

11. The unit shall provide necessary fire safety equipments so as to avoid fire accidents if any while handling hazardous waste.

12. The unit shall maintain records for quantity of hazardous waste received and quantity of waste disposed in the Cement kiln.

13. The unit shall estimate the quantity of hazardous waste required to be co processed and the actual quantity of hazardous waste co processed in each calendar year shall be reported to the Board and CPCB.

14. The unit shall provide adequate covered storage space for the hazardous waste in accordance with Hazardous Waste Rules and ensure that there is no leaching of any pollutant.

15. The unit shall monitor the particulate emissions continuously: HCL SO₂, CO, Total Organic Carbon, HF, Nox, Cd, Th & ITS compounds, Hg, & its compounds, Sb, As, Pb, Co, Cr, Cu, Mn, Ni, V & its compounds half yearly and furnish the report to the Board.

16. The unit shall maintain log book for emission monitoring results during co processing.

17. During co processing, the unit shall comply with all the requirements in accordance with the Public Liability Insurance Act 1991 as amended.

18. The unit shall periodically analyse furans and dioxins and submit the report of analysis to Board.

19. The unit shall take effective raw material and water conservation measures to minimize the generation of hazardous wastes.

20. The used/spent oil and oil sludge (waste oil) shall be disposed only to such facilities that are authorized by TNPCB and are registered with CPCB, MoEF as actual user facilities adopting environmentally sound management practices for reclaiming used oil.

21. The unit shall ensure that all provisions of HWM Rules, amended are complied with while handling used oil.

22. Necessary endorsement shall be made in respect of the quantity transacted in the original letter of registration issued by CPCB, MoEF to the reprocessing unit lifting used oil and oil sludge (waste oil).

23. The unit shall ensure that the used oil and oil sludge(waste oil) satisfies the standard prescribed in schedule 5 and Schedule 6 of the said Rules respectively if it is sent for reprocessing to registered recycling facilities.

24. The unit shall furnish the analysis report of used oil and oil sludge (waste oil) as per the schedule 5 and 6 of the HWM Rules respectively.

25. The hazardous waste shall be stored in a compatible container on an impervious platform in closed shed to prevent pollution of ground water and surface soil.

26. The unit shall maintain the Form 3 for the hazardous wastes at the unit.

27. The unit shall submit the returns regarding handling of hazardous wastes in Form 4 by 30th June of every year for the preceding period April to March.

28. For transportation of proposed hazardous Wastes, manifest system as per Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and guidelines of CPCB shall be followed.

29. Necessary endorsement shall be made in the pass book issued to the unit in respect of quantity of hazardous waste received for Co processing.

30. The unit shall source the waste Schedule III/Part-B-B3040-Rubber Wastes through domestic source only, if unit intends to import then the unit shall import with the permission from the Ministry of Environment, Forest



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and Climate Change and the Directorate General of Foreign Trade license.

31. In case of any violation in the conditions stipulated, the permission shall be withdrawn at any time.

32. Tamil Nadu Pollution Control Board reserves the right to review / impose additional conditions of revoke, change or alter any of the terms and condition.

G.

GOPALAKRISHNAN

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**For Member Secretary
Tamil Nadu Pollution Control Board
Chennai**

To

The Managing Director

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

Chettinad Cement Corporation Private Limited , Ariyalur Trichy Road,Keepaluvur (Post) Ariyalur Dist

,Tamilnadu

Pin:621707

Copy to:

1. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Triuchirappalli.

2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.

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PASSBOOK FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES

PURCHASED BY THE ACTUAL USERS

(ISSUED ALONGWITH AUTHORISATION)

Name and address of the Industry-Actual users	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED Chettinad Cement Corporation Private Limited , Ariyalur Trichy Road,Keepaluvur (Post) Ariyalur Dist ,Tamilnadu
OCMMS File No	0022ARY/HWA
Mobile No	7373177033
E-mail Id	ariyalur@chettinadcement.com
Passbook Registration No	PB/18HFC9598326
Date of issue	28/11/2018
Validity period	28/11/2018 To 27/11/2023
Type and quantity of the Hazardous & Other Wastes permitted for procurement and recycling:	



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SI No	Hazardous & Other Wastes Type	Passbook Type	Quantity with unit
1	Other Wastes - Waste from paint industry	Process wastes, residue and sludges 21.1	18000 T/Annum
2	Other Wastes - Waste from Pharmaceutical Industry	Spent catalyst 28.2	2400 T/Annum
3	Other Wastes - Waste from automobile industry	Oil sludge or emulsion 4.1	3600 T/Annum
4	Other Wastes - Waste from chemical surface treatment plant	Phosphate sludge 12.5	2400 T/Annum
5	Other Wastes - ETP Sludge from Textile Industry	Textile ETP Sludge, 35.3	7300 T/Annum
6	Other Wastes - Wastes from industrial operations using mineral oil or Synthetic oil as Lubricants	Wastes or residue containing oil 5.2	1500 T/Annum
7	Other Wastes - Waste from paint, pigments, Lacquers, Varnishes & Inks Industry	Spent solvent 21.2	2400 T/Annum
8	Other Wastes - Waste from Pharmaceutical Industry	Date expired products 28.5	2400 T/Annum
9	Other Wastes - Waste from petrochemical industry	Oil sludge emulsion 1.3	2400 T/Annum
10	Other Wastes - Waste from plastic product manufacturing industry	Process residue 22.2	2400 T/Annum
11	Other Wastes - Waste from Production of Dyes, Dyes intermediates, Pigments	Process wastes 26.1	2400 T/Annum
12	Other Wastes - Pharmaceutical waste	spent Carbon 28.3	12000 T/Annum
13	Other Wastes - Wastes from petrochemical industry	Organic residue 1.4	2400 T/Annum
14	Other Wastes - Waste from plastic product manufacturing industry	Spent catalysts 22.1	2400 T/Annum
15	Other Wastes - Rubber wastes (From footwear Industry)	Rubber wastes B3040	6000 T/Annum
16	Other Wastes - Pharmaceutical waste	Process residue and wastes 28.1	12000 T/Annum
17	Other Wastes - Pharmaceutical waste	Spent solvent 28.6	12000 T/Annum
18	Other Wastes - Fibre reinforced plastic waste Limited-Pondicherry	Fibre reinforced Plastic waste (FRP waste) 23.1	6000 T/Annum
19	Other Wastes - Solid Waste Mix from Pretreatment Process	Solid Waste Mix from Pretreatment Process (37.3)	18000 T/Annum

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G. GOPALAKRISHNAN

For Member Secretary
Tamil Nadu Pollution Control Board
Chennai

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