



TAMIL NADU POLLUTION CONTROL BOARD

Category of the Industry :

RED

CONSENT ORDER NO. 2008227894731 DATED: 23/03/2020.

PROCEEDINGS NO.T2/TNPCB/F.0022ARY/RL/ARY/A/2020 DATED: 23/03/2020

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT –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 and Ariyalur District - Renewal of Consent for the operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg.

REF: 1. Board Proceedings No. T2/TNPCB/F.0022ARY/RL/ARY/W&A/2019 DATED: 25/06/2019
2. Unit's application on 17.08.2019 and resubmitted on 21.01.2020.
3. JCEE's IR.No : F.0022ARY/RL/JCEE-M/ARY/2019 dated 09/09/2019.

RENEWAL OF CONSENT is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to

The Managing Director

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.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This RENEWAL OF CONSENT is valid for the period ending March 31, 2021

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

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

| Sl. No. | Description | Quantity | Unit |
|-------------------------------------|--|-----------------|------------------------|
| Product Details | | | |
| 1. | ORDINARY PORTLAND CEMENT, PORTLAND POZZOLANA CEMENT & PORTLAND SLAG CEMENT | 5.5 | Million tons per annum |
| By-Product Details | | | |
| 1. | NIL | 00 | MT |
| Intermediate Product Details | | | |
| 1. | No Intermediate Product | 0 | Not applicable |

2. This renewal of consent is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

| I Point source emission with stack : | | | | |
|---|------------------------------|---------------------------------------|--|------------------------------------|
| Stack No. | Point Emission Source | Air pollution Control measures | Stack height from Ground Level in m | Gaseous Discharge in Nm3/hr |
| 1 | Kiln/Raw Mill | Bag house with stack | 144 | 656100 |
| 2 | Kiln/Raw Mill | Bag house with stack | 144 | 656100 |
| 3 | Coal Mill | Bag house with stack | 145 | 155000 |
| 4 | Coal Mill | Bag house with stack | 145 | 155000 |
| 5 | Clinker Cooler | ESP with stack | 38 | 199000 |
| 6 | Clinker Cooler | ESP with stack | 38 | 199000 |
| 7 | Cement Mill | Bag house with stack | 55 | 750000 |
| 8 | Cement Mill | Bag house with stack | 55 | 750000 |
| 9 | Reject Handling | Bag Filters with stack | 25 | 19000 |
| 10 | Reject Handling | Bag Filters with stack | 25 | 19000 |
| 11 | Raw Meal Silo Top | Bag Filters with stack | 25 | 15000 |
| 12 | Raw Meal Silo Top | Bag Filters with stack | 25 | 15000 |
| 13 | Fine Coal Bins Venting | Bag Filters with stack | 44 | 3600 |
| 14 | Fine Coal Bins Venting | Bag Filters with stack | 44 | 3600 |
| 15 | Fine Coal Bins Venting | Bag Filters with stack | 44 | 3600 |
| 16 | Fine Coal Bins Venting | Bag Filters with stack | 44 | 3600 |
| 17 | Fine Coal Bins Venting | Bag Filters with stack | 44 | 3600 |
| 18 | Fine Coal Bins Venting | Bag Filters with stack | 44 | 3600 |
| 19 | Calibration Bin Venting | Bag Filters with stack | 20 | 4680 |
| 20 | Calibration Bin Venting | Bag Filters with stack | 20 | 4680 |
| 21 | Cooler Discharge | Bag Filters with stack | 10 | 21600 |
| 22 | Cooler Discharge | Bag Filters with stack | 10 | 21600 |
| 23 | Clinker Silo Top | Bag Filters with stack | 55 | 8400 |
| 24 | Clinker Silo Top | Bag Filters with stack | 55 | 8400 |
| 25 | Fly Ash Bin | Bag Filters with stack | 20 | 8400 |
| 26 | Fly Ash Bin | Bag Filters with stack | 20 | 8400 |
| 27 | Cement Silo TOP | Bag Filters with stack | 52 | 8250 |
| 28 | Cement Silo TOP | Bag Filters with stack | 52 | 8250 |

| | | | | |
|----|-------------------------------|------------------------|------|-------|
| 29 | Cement Silo TOP | Bag Filters with stack | 52 | 8250 |
| 30 | Cement Silo TOP | Bag Filters with stack | 52 | 8250 |
| 31 | Cement Silo TOP | Bag Filters with stack | 52 | 8250 |
| 32 | Cement Silo TOP | Bag Filters with stack | 52 | 8250 |
| 33 | Clinker Hopper Top | Bag Filters with stack | 35 | 8250 |
| 34 | Clinker Hopper Top | Bag Filters with stack | 35 | 8250 |
| 35 | Silo Elevator Bottom | Bag Filters with stack | 20 | 16000 |
| 36 | Silo Elevator Bottom | Bag Filters with stack | 20 | 16000 |
| 37 | Fly Ash Silo Top | Bag Filters with stack | 52 | 16000 |
| 38 | Fly Ash Silo Top | Bag Filters with stack | 52 | 16000 |
| 39 | Cement Elevator Bottom | Bag Filters with stack | 20 | 16000 |
| 40 | Cement Elevator Bottom | Bag Filters with stack | 20 | 16000 |
| 41 | Clinker Hopper Bottom | Bag Filters with stack | 20 | 16000 |
| 42 | Clinker Hopper Bottom | Bag Filters with stack | 20 | 16000 |
| 43 | Cement Silo Bottom | Bag Filters with stack | 5.0 | 15000 |
| 44 | Cement Silo Bottom | Bag Filters with stack | 5.0 | 15000 |
| 45 | Silo to Belt Discharge | Bag Filters with stack | 25.0 | 15000 |
| 46 | Silo to Belt Discharge | Bag Filters with stack | 25 | 15000 |
| 47 | Silo to Belt Discharge | Bag Filters with stack | 25 | 15000 |
| 48 | Silo to Belt Discharge | Bag Filters with stack | 25 | 15000 |
| 49 | Silo to Belt Discharge | Bag Filters with stack | 25 | 15000 |
| 50 | Silo to Belt Discharge | Bag Filters with stack | 25 | 15000 |
| 51 | Limestone Primary Crusher | Bag Filters with stack | 15 | 19000 |
| 52 | Limestone Primary Crusher | Bag Filters with stack | 15 | 19000 |
| 53 | Limestone Secondary Crusher | Bag Filter | 0.0 | 19000 |
| 54 | Limestone Secondary Crusher | Bag Filter | 0.0 | 19000 |
| 55 | Coal Crusher | Bag Filters with stack | 15 | 19000 |
| 56 | Coal Conveying Transfer Tower | Bag Filters with stack | 40 | 19000 |
| 57 | Coal Bunker | Bag Filters with stack | 25 | 19000 |
| | | | | |

| | | | | |
|----------------|---|-------------------------|-------------------------|-------|
| 58 | Ash Handling System | Bag Filters with stack | 10 | 19000 |
| II | Fugitive/Noise emission : | | | |
| Sl. No. | Fugitive or Noise Emission sources | Type of emission | Control measures | |
| 1. | Coal unloading area | Fugitive | Water sprinkler system | |
| 2. | Limestone handling area | Fugitive | Water sprinkler system | |

Special Additional Conditions:

The unit shall install retrofit emission control device, with atleast 70% Particulate matter reduction efficiency on all DG sets with rated capacity more than 125 KVA installed within the industrial premises before 30.06.2020 or otherwise the unit should be shifting to gas based generators by employing new gas based generators. The retrofit emission control device should be tested from one of the five laboratories recognised by CPCB.

Additional Conditions:

1. The unit shall operate and maintain the Air Pollution Control measures efficiently and continuously so as to achieve the Ambient Air Quality/Emission standards prescribed by Board.
2. The unit shall maintain and calibrate the online continuous stack monitoring system regularly so as to transmit the good quality data.
3. The unit shall ensure that calibration shall be done in frequent intervals to keep the analyser intact.
4. The unit shall send in advance to CAC, TNPC Board that testing is done on the day to avoid mis interpretation of exceedance and subsequent alert message receipt during injection of 4 to 20 milli amperes current value into the analyser.
5. The unit shall adhere to the CPCB Guidelines on fugitive emission control vide PROBES/118/2007, dated 06.07.2007.
6. The unit shall continue to develop green belt more in and around the premises.
7. The unit is permitted to use the following quantity of pet coke as feed stock or in the manufacturing process only

Pet coke quantity/ month Pet coke quantity/ Annum Sources of Pet coke 25,440 T/Month 3.05 Lakhs MT/Annum Imported (or) from refineries in India

Also comply with the following conditions for import of Pet coke:

- I. The industry is permitted to directly import pet coke and consignment shall be in the name of user industrial units for their own use only.
- II. Import of pet coke for the purpose of trading shall not be permitted.
- III. The Industry shall furnish opening and closing stock of imported Pet coke and consumption of the same to the TNPCB on a monthly basis.
- IV. The Petcock shall be used in the cement Kiln only and it shall not be used for any other purpose.
8. The unit shall utilise /enhance the usage of Alternate Fuels and Raw materials (AFR such as Plastic wastes, Hazardous wastes) for Co- processing/Co-incineration in Cement Kiln so as to improve the Thermal Substitution Ratio (TSR). Also the unit shall provide necessary infrastructure facilities such as feeding system, conveyor systems, etc., for co processing.
9. The unit shall install CAAQMS in the receptors like public school, temple, Health Care Facility etc.... in and around 10 km radius minimum six stations.
10. The unit shall maintain and calibrate regularly the online emission monitors regularly to transmit quality data to Care Air Centre, TNPCB.
11. The unit shall furnish the action plan on utilizing the ETP sludge which is stored in 7 CETP premises in Karur District in the cement mill for co-processing.
12. The unit shall provide Reverse Vending Machines' for shredding of PET bottles in Trichy District under CSR activities.
13. The unit shall continue to take action for the establishment of AFR infrastructure in the year 20-21 to achieve the TSR as 10% for utilizing the MSW/Plastic Waste.
14. The unit shall furnish present TSR Ratio and action taken on Estt of infrastructure for the same with road map and with time line with authenticity within a month .

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

To
The Managing Director,
M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,
Chettinad Cement Corporation Private Limited
4th Floor ,Rani Seethai Hall Building
603 Annasalai ,Chennai ,Tamilnadu

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Pin: 600006

Copy to:

- 1.The Commissioner, THIRUMANOOR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Triuchirappalli.

4. File

**** This consent order is computer generated by OCMMS of TNPCB and no signature is needed****