

Speed Post

B-33014/7/2019/IPC-II/

05.07.2019

To

**The Unit Head**  
M/s Chettinad Cement  
Corporation Private Limited  
Rani Meyyammai Nagar Karikkali Village,  
Vedasandur Taluk  
Dindigul District, Tamilnadu – 624703

**Sub: Show Cause Notice under section 5 of the Environment (Protection) Act, 1986.**

WHEREAS, the cement industries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

WHEREAS, Ministry of Environment, Forests & Climate Change has notified emission standards for Particulate matter, SO<sub>2</sub> & NO<sub>x</sub> vide GSR 612 (E) dated 25.08.2014; and amended it vide GSR 496 (E) dated 09.05.2016 for all cement industries and vide GSR 497 (E) dated 10.05.2016 for cement industries carrying out co-processing of wastes in their cement kilns; and

WHEREAS, on request of cement industries, timeline was extended upto March 31, 2017 to comply with the aforesaid new notified emission standards; and

WHEREAS, the matter regarding reconsideration of notified standards was taken up by the cement industries with the Ministry of Environment, Forest and Climate Change (MoEF&CC) and it was decided by MoEF&CC that general extension shall not be granted and any extension regarding compliance shall be based on due assessment and submission of clear/specific road map for compliance with notified standards in a time bound manner. Accordingly, Directions under Section 3 of Environment (Protection) Act, 1986 have been issued by MoEF&CC to CPCB on 28.03.2017 to ensure implementation of new notified emission standards for cement industries; and

WHEREAS, the cement industries were reminded vide letter dated 30.03.2017 that new notified emission standards for cement industries have become effective from April 01, 2017 and directed to submit clear/specific time-bound action plan for compliance with new notified standards before April 30, 2017; and

WHEREAS, several meetings were convened by Regional Directorates of CPCB with cement industries and State Pollution Control Boards to expedite the submission of action plans and ensure

*hdf*

compliance. A standard format was developed to facilitate cement industries in submission of action plans in a precise & scientific manner and the same was circulated among cement industries. Accordingly, all the cement industries were directed to submit the specific action plan as per the standard format before 30.04.2017; and

WHEREAS, no extension of time beyond August 30, 2018 was granted to cement units to comply the revised notified norms; and

WHEREAS, a direction under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014, to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring system w.r.t. PM, NO<sub>x</sub> and SO<sub>2</sub> in cement industries ; and

WHEREAS, considering the requests/representations received from industries/ industrial associations/ SPCBs /PCCs, an extension of time upto June 30, 2015 for installation of online monitoring systems was granted vide direction dated March 02, 2015 under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981; and

WHEREAS, concerned SPCBs/PCCs must have issued directions under section 33A of the Water (Prevention & Control of Pollution) Act, 1974 and section 31A of the Air (Prevention & Control of Pollution) Act, 1981 to 17 category of highly polluting industries to install online monitoring systems by June 30, 2015 and submit bank guarantee of 100% of the cost of online emission & effluent monitoring system; and

WHEREAS, Show Cause Notice under Section 5 of Environment (Protection) Act 1986, was already issued on July 24, 2015 to all cement plants to show-cause as to why the unit should not be closed down, if the unit has not complied fully with the directions issued w.r.t. installation of online emission monitoring system; and

WHEREAS, OCEMS Guidelines for cement industry dated 23.12.2016 was also issued (available on CPCB website) with a direction to install online monitoring system in all notified process stacks and data transmission to CPCB server; and

WHEREAS, RD- Bengaluru carried out inspection of inspected M/s Chettinad Cement Corporation Private Limited (Karikkali Unit) during 06-07.06. based on OCEMS data and inspecting team made following observations/recommendations:

1. As per emission monitoring results, unit was observed exceeding the emission standards from Kiln-II and CPP Boiler-1&2. The PM emissions from kiln-II was 91.2 mg/Nm<sup>3</sup> against limit of 30 mg/Nm<sup>3</sup> and for CPP Boiler-1&2, the PM emission was 311.7 mg/Nm<sup>3</sup> against limit of 50 mg/Nm<sup>3</sup> & NO<sub>x</sub> emission was 321 mg/Nm<sup>3</sup> against limit of 300 mg/Nm<sup>3</sup>.

*Wag*

2. Short-coming in OCEMS

- (i) Data of online and manual monitoring were not matching with PM and SO<sub>2</sub> values due to inappropriate calibration.
- (ii) Unit should prevent gaps in OCEMS data generated and transmitted/uploaded and check OCEMS instrument for faulty configuration and data generated as the unit has not received any alerts so far.
- (iii) OCEMS data for PM in some stacks showed 'smoothen out' effect due to faulty instrument configuration. Also, the range of measurement of the instrument was inaccessible.
- (iv) OCEMS data uploaded in CPCB server is less than the data logged in server maintained by instrument service provider.
- (v) Unit should calibrate all online dust monitors and feed the correction coefficient factor as per instruments manual to yield realistic results.
- (vi) Unit should procure Display Data Unit (DDU) for accessing the settings and response time of instrument and to verify that the values obtained from calibration have been incorporated into the device like range of operation, optical density count.
- (vii) Unit should perform calibration of online gas analysers properly with zero and span gases and ensure that the use of offsetting the analog signals should be recorded to enable users check.

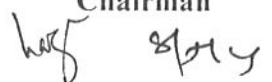
3. Unit should provide proper drainage/water collection system in the coal handling area.

4. Fugitive emissions in cement mill area need to be controlled by thorough improvement in housekeeping.

Now, THEREFORE, in view of the non compliance to emission norms and OCEMS related shortcomings, exercising the powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, M/s Chettinad Cement Corporation Private Limited Rani Meyyammai Nagar Karikkali Village, Vedasandur Taluk Dindigul District, Tamilnadu is hereby directed to show cause as to why the unit should not be closed down for non compliance to emission norms.

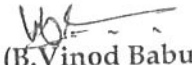
The unit shall submit compliance report within 15 days. In case of noncompliance of this direction, action as deemed necessary and appropriate under the Environment (Protection) Act, 1986 will be initiated.

  
(S.P. S. Parihar)  
Chairman



Copy to:

1.	The Chairman Tamil Nadu Pollution Control Board No. 76, Mount Salai, Guindy Chennai - 600 032 Tamil Nadu	For information & ensuring compliance please
2.	The Regional Director Central Pollution Control Board (South) 1st & 2nd Floors, Nisarga Bhawan A- Block, Thimmaiah Main Road 7th D Cross, Shivanagar Opposite Pushpanjali Theatre Bengaluru 560 010	For information please.
3.	The Joint Secretary (CP Division) Ministry of Environment, Forests and Climate Change Prithvi Wing, 2nd Floor, Room No. 216 Indira Paryavaran Bhawan Aliganj, JorBagh Road, New Delhi - 110003	
4.	The Divisional Head, IT, CPCB, Delhi	
5.	The Divisional Head, IPC-VI, CPCB, Delhi	

  
(B. Vinod Babu)  
Member Secretary

