



**Chettinad Cement,KW,TN/Cement Plant/GGBS /Six Monthly Report/ Apr'21-Sep'21/EHS-364  
26<sup>th</sup> Nov, 2021**

**Regional Office (SEZ)**

**MoEF & CC, Government of India,**  
No.34, HEPC Campus, Cathedral Garden Road,  
Nungambakkam, Chennai – 600 034  
Ph No. 044-28222056/48613477  
Email Id : ecompliance-tn@gov.in

Dear Sir,

**Subject : Submission of Six Monthly (April'2021 to September'2021) Compliance Report** of Environment Clearance for Chettinad Cement Corporation Private Limited, Cement Plant 4.5 million tons per annum & Thermal Power Plant 78 mw at Rani Meyyammami Nagar, Karikkali Village, Vedasandur Taulk, Dindigul District, Tamilnadu – Reg

**Reference : Environmental Clearance F.No.J-11011/518/2009 -1A II (I) dated 22.02.2019**

\* \* \* \* \*

We hereby submit the **Six Monthly Compliance report (April'2021 to September'2021)** of above referred Environmental clearance pertaining to our "**Cement Plant**" production capacity of 4.5 MTPA (Including Slag Grinding 1.0 MTPA) and "**Captive Power Plant**" generation Capacity of 78MW located at Rani Meyyammai Nagar, Karikkali Village, Guziliamparai Taluk, Dindigul District, Tamil Nadu-624703.

Thanking you

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

**V.KRISHNAN**  
**JOINT PRESIDENT [WORKS]**



Copy to:

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**Six Monthly EC Compliance Report**  
**Period: April'2021 to September'2021**

# CHETTIAND CEMENT CORPORATION PRIVATE LIMITED

**Cement Plant & Captive Power Plant**  
Karikkali Village, Dindigul District, Tamil Nadu

## Six Monthly Compliance Report (Apr'21 – Sep'21)

[Cement Plant 4.5 million tons per annum & Thermal Power Plant 78 MW]

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**Chettinad Cement Corporation Private Limited**  
**(Cement Plant & Captive Power Plant)**

Rani Meyyammai Nagar, Karikkali Village, Dindigul District, Tamilnadu

**Environmental Clearance (EC) Compliance Report (Apr'21 - Sep'21)**

**EC granted by MoEF vide Letter No. .No.J-11011/518/2009 -1A II (I) dated 22<sup>nd</sup> February, 2019**  
 (for Cement Plant 4.5mtpa - Including slug grinding 1.0 mtpa & Thermal Power Plant 78 mw)

**A. Additional Conditions**

S. No	Additional Condition	Compliance Status
1.	The emissions from cement grinding units shall be restricted to $\leq 30\text{mg}/\text{Nm}^3$ .	<p><b><i>Complied</i></b></p> <p><i>The continuous stack monitoring system to monitor gaseous emissions (<math>\text{SO}_2</math> and <math>\text{NO}_x</math>) and dust (PM) has been provided and the concentrations of pollutants are being controlled by providing the following appropriate control measures to ensure compliance with prescribed norms.</i></p> <p><i>a. Bag House – Raw Mill/kiln-1&amp;2, Coal Mill-1&amp;2, Cement Mill -1,2 &amp;3</i></p> <p><i>b. Low Nox burners – Pyro process</i></p> <p><i>c. Electrostatic Precipitators – Clinker Coolers</i></p> <p><i>d. As sulphur is getting converted into its compounds during the process of formation of clinker in the Kiln, the emission of <math>\text{SO}_2</math> is under control as stated.</i></p> <p><i>e. Bag Filters – Limestone crushers at mines</i></p> <p><i>The stack emission report of ROA of the survey conducted by TNPCB on 26.10.2021 &amp; 27.10.2021 reveals that the emission from the all stacks are PM in the range of <math>20\text{mg}/\text{Nm}^3</math> to <math>28\text{mg}/\text{Nm}^3</math> which is below the prescribed limit of <math>30\text{mg}/\text{Nm}^3</math>.</i></p> <p><i><math>\text{SO}_2</math> in the range of <math>12\text{mg}/\text{Nm}^3</math> to <math>44\text{mg}/\text{Nm}^3</math> which is below the prescribed limit of <math>100\text{mg}/\text{Nm}^3</math> and <math>\text{NO}_x</math> in the range of <math>16\text{mg}/\text{Nm}^3</math> to <math>40\text{mg}/\text{Nm}^3</math> which is below the prescribed limit of <math>800\text{mg}/\text{Nm}^3</math></i></p> <p><i>Manual monitoring is also carried out through external agency on monthly basis and ROA of the results reveals that emission values are maintaining below norms prescribed by MoEF /CPCB /TNPCB.</i></p> <p><i>The consolidated manual stack emission monitoring reports (Apr'21 to Sep'21) are hereby enclosed vide <b><i>Annexure 2 &amp; 3</i></b></i></p>

S. No	Additional Condition	Compliance Status
2.	The cement grinding capacity shall be restricted to 4.5 MTPA inclusive of granulated slag	<p><b>Guidelines noted &amp; Complied</b></p> <p><i>As yet, we are not established/commissioned the "Granulated Ground Blast Slag (GGBS)" grinding production. Also, we assured that the total cement Grinding Capacity will not exceed to 4.5 MTPA inclusive of proposed Granulated Slag grinding capacity of 1.0 MTPA.</i></p>
3.	Industrial vacuum Cleaner shall be used to control the road dust within the plant and its vicinity.	<p><b>Complied</b></p> <p><i>Two numbers of road sweeping machines uses plant's internal roads cleaning and vacuum cleaners as well as manual cleaning is done regular interval and ensured clean and good working atmosphere within the plant premises always.</i></p> <div data-bbox="748 789 1390 1016" style="text-align: center;"> </div>
4.	All other terms and conditions mentioned in the earlier EC letter no J-11011/518/2009-IA.II(I) dated 02.08.2010 shall remain changed	<p><b>Guidelines Noted &amp; Complied</b></p> <p><i>Compliance with the conditions stipulated in the earlier Environmental Clearance no.J-11011/518/2009-IA.II(I) dated 02.08.2010 were Complied and same were uploaded in the respective EC Six Monthly compliance reports in "http://parivesh.nic.in".</i></p>

for CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

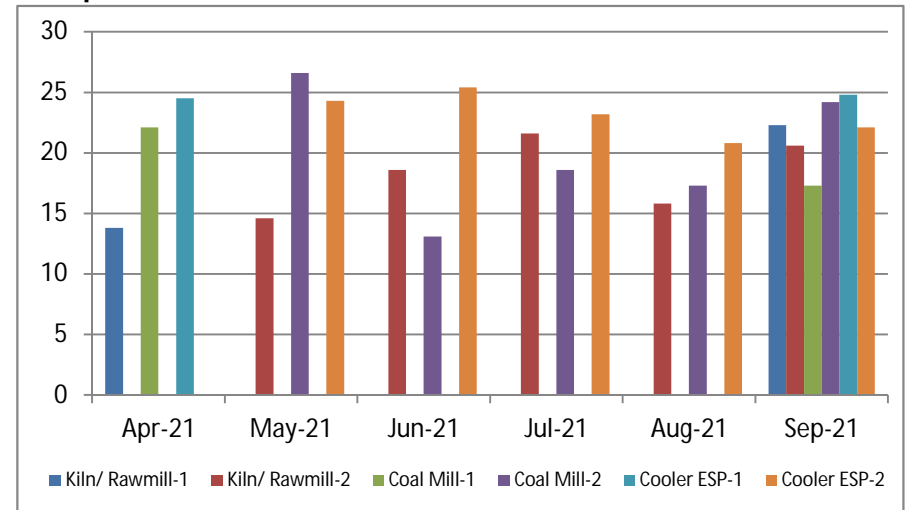
*V. Krishnan*

V.KRISHNAN  
JOINT PRESIDENT [WORKS]

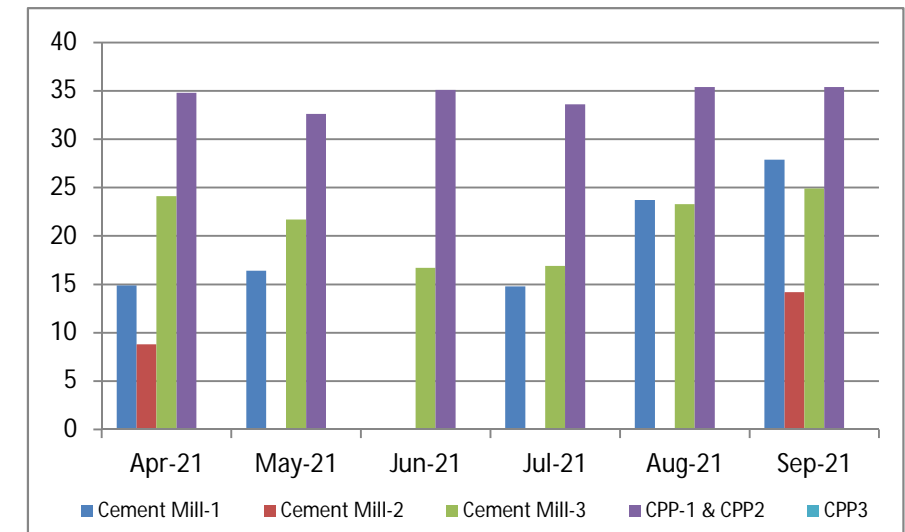


**Stack Emission Data (PM - mg/Nm<sup>3</sup>) from April'2021 to September'2021**

Month	Kiln/ Rawmill-1	Kiln/ Rawmill-2	Coal Mill-1	Coal Mill-2	Cooler ESP-1	Cooler ESP-2	Permissible Limit
Apr-21	13.8	Shut down	22.1	Shut down	24.5	Shut down	Cement Plant : 30mg/Nm <sup>3</sup>
May-21	Shut down	14.6	Shut down	26.6	Shut down	24.3	
Jun-21	Shut down	18.6	Shut down	13.1	Shut down	25.4	
Jul-21	Shut down	21.6	Shut down	18.6	Shut down	23.2	
Aug-21	Shut down	15.8	Shut down	17.3	Shut down	20.8	
Sep-21	22.3	20.6	17.3	24.2	24.8	22.1	
Max	22.3	21.6	22.1	26.6	24.8	25.4	
Min	13.8	14.6	17.3	13.1	24.5	20.8	
Avg	18.1	18.2	19.7	20.0	24.7	23.2	



Month	Cement Mill-1	Cement Mill-2	Cement Mill-3	CPP-1 & CPP2	CPP3	Permissible Limit
Apr-21	14.9	8.8	24.1	34.8	Shut down	Cement Plant : 30mg/Nm <sup>3</sup>  Power Plant : 50mg/Nm <sup>3</sup>
May-21	16.4	Shut down	21.7	32.6		
Jun-21	Shut down	Shut down	16.7	35.1		
Jul-21	14.8	Shut down	16.9	33.6		
Aug-21	23.7	Shut down	23.3	35.4		
Sep-21	27.9	14.2	24.9	35.4		
Max	14.8	8.8	16.7	32.6		
Min	27.9	14.2	24.9	35.4		
Avg	19.5	11.5	21.3	34.5		



for Chettinad Cement Corporation Private Limited

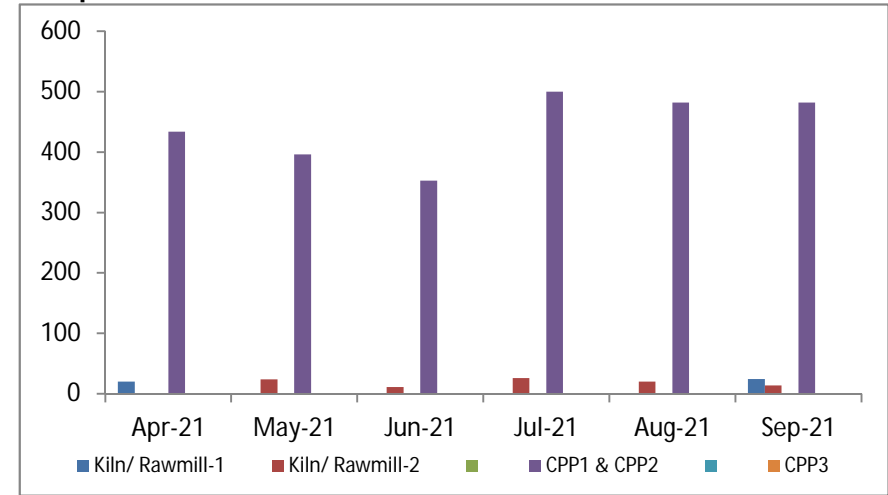
*V. Krishnan*

**V. Krishnan**  
Joint President[works]



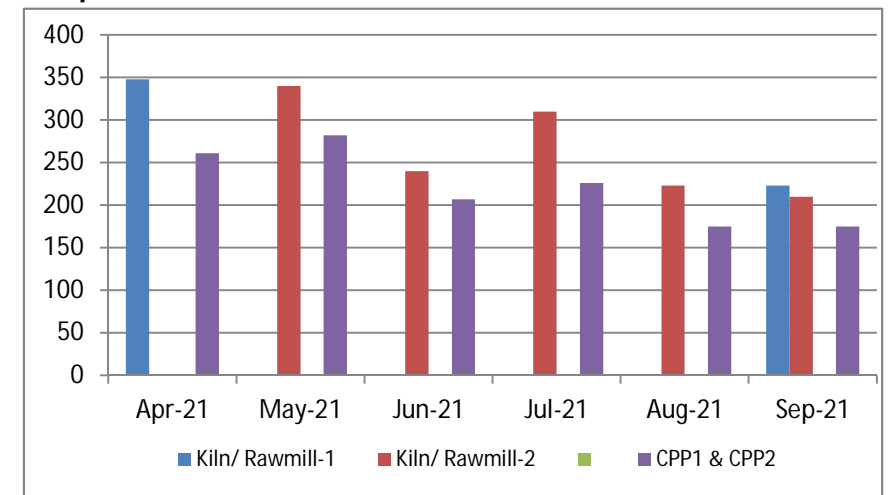
**Stack Emission Data (SO<sub>2</sub> - mg/Nm<sup>3</sup>) from April'2021 to September'2021**

Month	Kiln/ Rawmill-1	Kiln/ Rawmill-2	CPP1 & CPP2	CPP3	Permissible Limit
Apr-21	20	Shut down	434	Shut Down	Cement Plant : 100mg/Nm <sup>3</sup>  Power Plant : 600mg/Nm <sup>3</sup>
May-21	Shut down	24	396		
Jun-21	Shut down	11	353		
Jul-21	Shut down	26	500		
Aug-21	Shut down	20	482		
Sep-21	24.5	14	482		
Max	24.5	26	500		
Min	20	11	353		
Avg	22.3	19.0	441		



**Stack Emission Data (NO<sub>x</sub> - mg/Nm<sup>3</sup>) from April'2021 to September'2021**

Month	Kiln/ Rawmill-1	Kiln/ Rawmill-2	CPP1 & CPP2	CPP3	Permissible Limit
Apr-21	348	Shut down	261	Shut Down	Cement Plant : 800mg/Nm <sup>3</sup>  Power Plant : 450mg/Nm <sup>3</sup>
May-21	Shut down	340	282		
Jun-21	Shut down	240	207		
Jul-21	Shut down	310	226		
Aug-21	Shut down	223	175		
Sep-21	223	210	175		
Max	348	340	282		
Min	223	210	175		
Avg	286	265	221		



for Chettinad Cement Corporation Private Limited



**V. Krishnan**  
Joint President[works]

