



**Chettinad Cement,KW,TN/Cement Plant/GGBS /Six Monthly Report/ Oct'22-Mar'23/EHS-083
29th May, 2023**

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 (October'2022 to March'2023) Compliance Report of Environment Clearance for Chettinad Cement Corporation Private Limited, Cement Plant 4.5 million tons per annum & Thermal Power Plant 48 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 (October'2022 to March'2023)** 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 48MW 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:

1. Regional Director, CPCB, Bangalore, Email id : **zobangalore.cpcb@nic.in**
2. Member Secretary, TNPCB, Chennai, email id : **membersecretary@tnpcb.gov.in**
3. JCEE, TNPCB, Madurai, email id : **jceemmdu@tnpcb.gov.in**
4. DEE, TNPCB, Dindigul, email id : **deedgl@tnpcb.gov.in**

Chettinad Cement Corporation 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-mail: karikkali@chettinadcement.com

www.chettinadcement.com

Head Office :

4th Floor, Rani Seethai Hall Building

603, Anna Salai, Chennai 600 006

T +91 44 2829 2727, 4214 9955

E info@chettinadcement.com

F +94 44 28291558

www.chettinadcement.com



Six Monthly EC Compliance Report
Period: October'2022 to March'2023

CHETTIAND CEMENT CORPORATION PRIVATE LIMITED

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

Six Monthly Compliance Report (Oct'22 – Mar'23)
[Cement Plant 4.5 million tons per annum & Thermal Power Plant 48 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 (Oct'22 - Mar'23)

EC granted by MoEF vide Letter No. .No.J-11011/518/2009 -1A II (I) dated 22nd February, 2019
 (for Cement Plant 4.5mtpa - Including slug grinding 1.0 mtpa & Thermal Power Plant 48 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><i>Complied</i></p> <p><i>The continuous stack monitoring system to monitor gaseous emissions (SO_2 and NO_x) 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&2, Coal Mill-1&2, Cement Mill -1,2 &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 SO_2 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 22.02.2023 & 23.02.2023 reveals that the emission from the all stacks are PM in the range of $23\text{mg}/\text{Nm}^3$ to $29\text{mg}/\text{Nm}^3$ which is below the prescribed limit of $30\text{mg}/\text{Nm}^3$.</i></p> <p><i>SO_2 in the range of $16\text{mg}/\text{Nm}^3$ to $59\text{mg}/\text{Nm}^3$ which is below the prescribed limit of $100\text{mg}/\text{Nm}^3$ and NO_x in the range of $25\text{mg}/\text{Nm}^3$ to $48\text{mg}/\text{Nm}^3$ which is below the prescribed limit of $800\text{mg}/\text{Nm}^3$</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 (Oct'22 to Mar'23) are hereby attached vide</i></p> <p><i>Annexure 2 & 3</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>Guidelines noted & Complied</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>Complied</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="748 793 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>Guidelines Noted & Complied</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

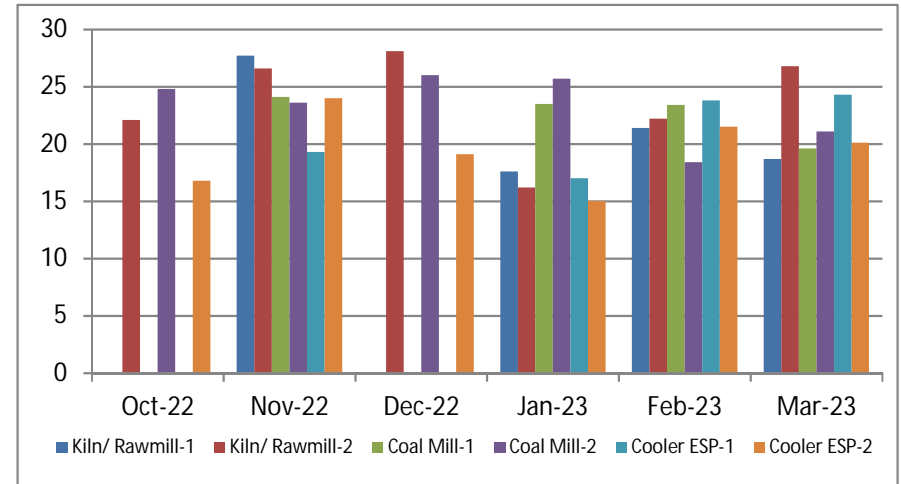
V. Krishnan

V.KRISHNAN
JOINT PRESIDENT [WORKS]

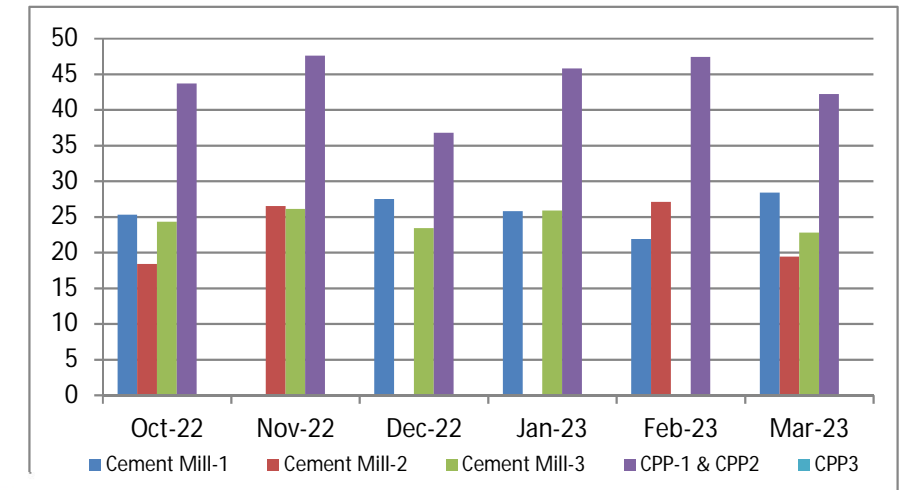


Stack Emission Data (PM - mg/Nm³) from October'2022 to March'2023

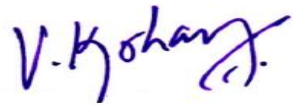
Month	Kiln/ Rawmill-1	Kiln/ Rawmill-2	Coal Mill- 1	Coal Mill- 2	Cooler ESP-1	Cooler ESP-2	Permissible Limit
Oct-22	Shutdown	22.1	Shutdown	24.8	Shutdown	16.8	Cement Plant : 30mg/Nm ³ Power Plant : 50mg/Nm ³
Nov-22	27.7	26.6	24.1	23.6	19.3	24	
Dec-22	Shutdown	28.1	Shutdown	26	Shutdown	19.1	
Jan-23	17.6	16.2	23.5	25.7	17.0	15.0	
Feb-23	21.4	22.2	23.4	18.4	23.8	21.5	
Mar-23	18.7	26.8	19.6	21.1	24.3	20.1	
Max	27.7	28.1	24.1	26	24.3	24	
Min	17.6	16.2	19.6	18.4	17.01	15.04	
Avg	21.4	23.7	22.7	23.3	21.1	19.4	



Month	Cement Mill-1	Cement Mill-2	Cement Mill-3	CPP-1 & CPP2	CPP3	Permissible Limit
Oct-22	25.3	18.4	24.3	43.7	Shut down	Cement Plant : 30mg/Nm ³ Power Plant : 50mg/Nm ³
Nov-22	Shutdown	26.5	26.1	47.6		
Dec-22	27.5	Shutdown	23.4	36.8		
Jan-23	25.8	Shutdown	25.9	45.8		
Feb-23	21.9	27.1	Shutdown	47.4		
Mar-23	28.4	19.4	22.8	42.2		
Max	21.9	18.4	22.8	36.8		
Min	28.4	27.1	26.1	47.6		
Avg	25.8	22.9	24.5	43.9		



for Chettinad Cement Corporation Private Limited

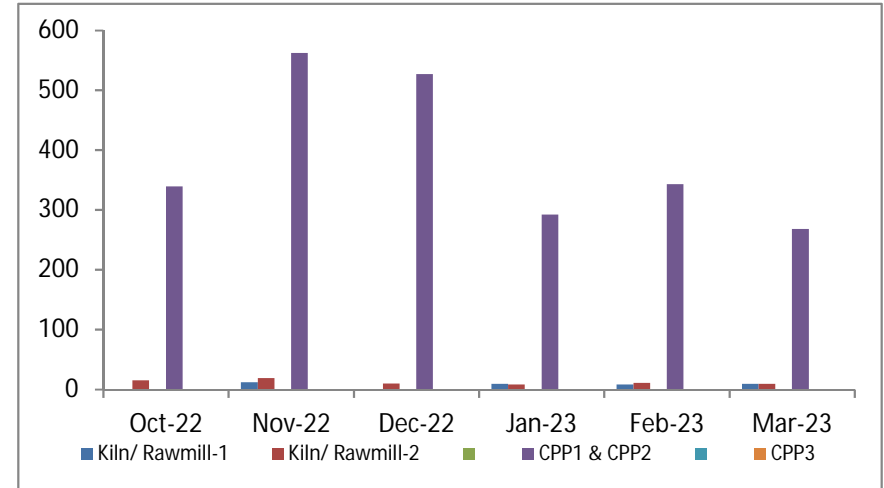


V. Krishnan
Joint President[works]



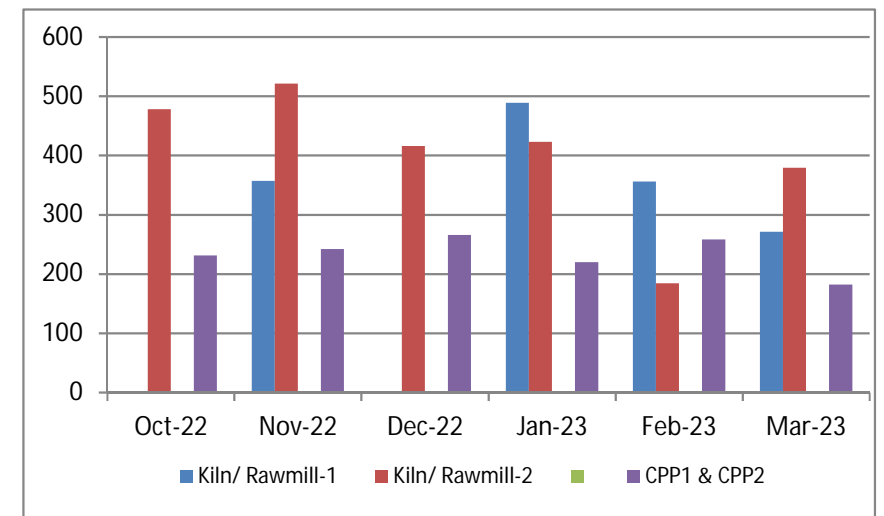
Stack Emission Data (SO₂ - mg/Nm³) from October'2022 to March'2023

Month	Kiln/ Rawmill-1	Kiln/ Rawmill-2	CPP1 & CPP2	CPP3	Permissible Limit
Oct-22	Shut down	15	339	Shut Down	Cement Plant : 100mg/Nm ³ Power Plant : 600mg/Nm ³
Nov-22	12	19	562		
Dec-22	Shutdown	10	527		
Jan-23	9	8	292		
Feb-23	8	11	343		
Mar-23	9	9	268		
Max	12	19	562		
Min	8	8	268		
Avg	9.5	12.0	389		



Stack Emission Data (NO_x - mg/Nm³) from October'2022 to March'2023

Month	Kiln/ Rawmill-1	Kiln/ Rawmill-2	CPP1 & CPP2	CPP3	Permissible Limit
Oct-22	Shutdown	478	231	Shut Down	Cement Plant : 800mg/Nm ³ Power Plant : 450mg/Nm ³
Nov-22	357	521	242		
Dec-22	Shutdown	416	266		
Jan-23	489	423	220		
Feb-23	356	184	258		
Mar-23	271	379	182		
Max	489	521	266		
Min	271	184	182		
Avg	368	400	233		



for Chettinad Cement Corporation Private Limited



V. Krishnan
Joint President[works]

