



Chettinad Cement,KW/ Quarterly Fly ash Returns/2020-21/Apr'20-Jun'20/EHS-095  
02<sup>nd</sup> July, 2020

The Joint Chief Environmental Engineer (M)  
Tamilnadu Pollution Control Board  
Sidco Industrial Estate  
Kappalur, Thirumangalam Taluk  
Madurai – 625008, ph : 0452-2489739

Dear Sir,

Sub: Submission of Fly Ash - Return for the period of Apr'20 - Jun'20 (Q1) pertaining to 78mw Captive Power Plant (1 x 18 mw + 2 x 30 mw) of Chettinad Cement Corporation Private Limited, Karikkali Village, Guziliamparai Taluk, Dindigul District, Tamilnadu.

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We understand that the status of Fly Ash utilization is to be submitted on a quarterly basis as advised by Central Pollution Control Board vide its letter no. B 330/14/7/2017/1-PC-II/13619 dated 14<sup>th</sup> Nov, 2017. Accordingly, we submit herewith Fly Ash Returns for the period of Apr'20 - June'20 (Q1) pertaining to our 78mw Captive Power Plant (1X18 MW + 2X30 MW) of Chettinad Cement Corporation Limited located at Karikkali Village, Guziliamparai Taluk, Dindigul District, Tamilnadu.

Thanking you,

Yours faithfully,  
for CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,

V.KRISHNAN  
SENIOR VICE PRESIDENT [WORKS]

Copy to: The District Environmental Engineer, TNPCB, Dindigul



**Chettinad Cement Corporation Private Limited.**  
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**Chettinad Cement Corporation Private Limited, Captive Power Plant**  
Rani Meyyammai Nagar, Karikkali Vilalge & Post, Guziliamparai Taluk, Dindigul, Tamil Nadu -624703

**Fly Ash Return (Apr'20 – Jun'20)**

[As per paragraph 2(7) of the Fly Ash Amended Notification, S.O.2804 (E) dated 03<sup>rd</sup> Nov, 2009]

S. No	Details Sought	Details
1.	Name of the industry	Chettinad Cement Corporation Private Limited
2.	Full Address including Pin code	Chettinad Cement Corporation Private Limited, Rani Meyyammai Nagar, Karikkali Village Guziliamparai Taluk, Dindigul District, Tamilnadu - 624703
3.	E mail address	krishnan.v@chettinadcement.com
4.	Name of the Nodal Officer (Not below the rank of DGM dealing with Ash Management and Designation)	V.KRISHNAN Senior Vice President[works]
5.	Telephone number	04551-234441
6.	Fax number	04551-234608
7.	Capacity of Thermal Power Plant	78 MW
8.	Details of number of Units and capacity of each unit	i. Number of Units : 3 ii. Capacity of Units : Unit 1 : 18 mw Unit II : 30 mw Unit III : 30 mw Total Capacity : 78 mw
9.	Coal consumption in million tons (Apr '20 – Jun'20)	0.019641
10.	Average Ash Content % in coal	6.65%
<b>A. Ash Generation (in metric tons) during Apr'20 - Jun'20</b>		
11.	Bottom Ash	3.9
12.	Fly Ash	1303.0
	<b>Total A -Ash generated (11 to 12)</b>	1306.9
<b>B. Ash Unutilized (in metric tons) During Apr'20 - Jun'20</b>		
13.	Ash pond disposal	Nil
14.	Ash Yard	Nil
15.	Ash Dump	Nil
	<b>Total B – Ash Unutilized (13 to 15)</b>	Nil





C Ash utilization (in Metric tons) during Apr'20 - Jun'20						
S. No	Purpose	Target	Actual			
			From ESP Dry Ash	From Pond Ash	From Bottom Ash	Total
16.	Ash pond dike rising	-	-	-	-	-
17.	Cement industry	100 %	1303	-	-	1303
18.	Land fill (used for developing vegetation)	-	-	-	-	-
19.	Own Brick unit	-	-	-	-	-
20.	Outside brick units other than brick kilns	-	-	-	-	-
21.	Brick kilns	-	-	-	-	-
22.	Own ash based products (other than bricks)	-	-	-	-	-
23.	Ash based products (out side)	-	-	-	-	-
24.	Road and Flyover embankments	-	-	-	-	-
25.	Back filling of mines	-	-	-	-	-
26.	Agriculture	-	-	-	-	-
27.	Ready mix concrete	-	-	-	-	-
28.	Asbestos	-	-	-	-	-
29.	Exports	-	-	-	-	-
30.	Others					
	a. For Boiler Bed Material Preparation	10%	-	-	0.4	0.4
	b. As sand for preparing Cement Mix for various masonry works within the premises.	90%	-	-	3.5	3.5
	c. Road Laying within the premises	-	-	-	-	-
<b>Total C- Ash Utilization (16 to 30)</b>		<b>100%</b>	<b>1303</b>	<b>0</b>	<b>3.9</b>	<b>1306.9</b>
<b>D. Reasons for variation from the Target</b> : Not applicable as 100% utilization of Ash is ensured						
<b>E. Remedial Measures taken</b> : Not applicable						
<b>F. Quantity in Ash Pond</b>						
31.	Estimated quantity of Pond Ash in active ash pond (Pond in use) as on 30 <sup>th</sup> Jun, 2020 (million tons)	Nil				
<b>G. Ash Pond Details : No Ash Pond provided due to 100 % utilization of Ash</b>						
S. No	Area Break Up	Forest Area	Non-Forest Area	Total		
32.	Total Area earmarked for Ash pond (Ha)	Nil	Nil	Nil		
33.	Ash pond already filled up and reclaimed (ha)	Nil	Nil	Nil		
34.	Ash pond already filled up but yet to be reclaimed (ha)	Nil	Nil	Nil		
35.	Ash pond in use (ha)(Active ash pond)	Nil	Nil	Nil		
36.	Area earmarked for ash ponds but ash ponds yet to be constructed (ha)	Nil	Nil	Nil		



<b>H .Dry Ash collection Facilities</b>			
37.	Whether Mechanical handling facility for dry fly ash collection is available	Yes	
38.	If yes, how many units	Three Units	
<b>I. Dry Fly Ash Storage.</b>			
39.	<b>Daily ash generation (TPD) Apr'20 - Jun'20</b>	<b>Capacity of storage as on 30<sup>th</sup> Jun, 2020 (tons)</b>	<b>Capacity proposed, if any in 2021-22 (tons)</b>
	14.36 (Average)	16300	NIL
<b>J. Capital Expenditure (Rs.Lakhs)</b>			
S. No	Item	Expenditure in 2019-20 till 30 <sup>th</sup> Jun,2020 (Rs. Lakhs)	Budgetary Provision in 2021 - 22 (Rs. Lakhs)
40.	Mechanical dry fly ash collection facility	Nil	Nil
41.	Dry fly ash storage	Nil	Nil
<b>K. Dispute Settlement Committee :</b>			
S No	No. of meetings held in 2020-21 till 30 <sup>th</sup> Jun, 2020	If no meetings were held reason for the same	
42.	NIL	As the entire Ash generated is utilized within the premises, no surplus Ash is available to outside user. Hence, there is no dispute.	
<b>L. Provision regarding supply to the brick kilns :</b>			
43.	Whether the Thermal Power Station is maintaining month-wise records of ash made available to each brick kiln	As the entire quantity of generation of Ash is utilized within the premises, no supply of Ash is made to any brick kiln or brick manufacturer. Hence, the need to maintain the records regarding ash supply to brick kiln is not envisaged.	
44.	If yes, how many brick kilns have been supplied with fly ash	Not Applicable	
<b>M. Mode of Transportation of ash : Rail rakes/truck/trailer/closed container/covered with Tarpaulin/ open (strikeout whichever not applicable)</b>			
45.	Dry Ash	Fly Ash is conveyed from ESP Hopper to Ash Silo in the Cement Plant pneumatically in closed pipeline. No transportation of Fly Ash takes place to the outside the premises.	
46.	Bottom Ash	Bottom Ash collected from the bottom of the Boiler is being conveyed through chain conveyor & bucket elevator to the Bottom Ash storage Bin.	





**N. Promotional Measures:**

As the entire Ash generated is utilized within the premises, no surplus Ash is available to outside user. Hence, no promotional measures have been initiated.

S. No	Promotional Measures	No. of meetings/ workshops exhibition held during 2020-21 till 30 <sup>th</sup> Jun, 2020	Amount Spent in 2020-21 till 30 <sup>th</sup> Jun, 2020 (Rs. Lakhs)	Outlay for 2021-22 (Rs. Lakhs)
47.	Exhibitions	Nil	Nil	Nil
48.	Seminars	Nil	Nil	Nil
49.	Workshops	Nil	Nil	Nil
50.	Advertisement in News Papers	Nil	Nil	Nil
51.	Advertisement in TV	Nil	Nil	Nil
52.	Advertisement in Radio	Nil	Nil	Nil
53.	Others (Please specify) – Ash Brick Manufacturing unit	Nil	Nil	Nil
<b>Total N (47 to 53)</b>		Nil	Nil	Nil

**O. Administrative measures taken**

S No	Administrative measures	Outcome
54.	Meeting with brick manufacturers	As no surplus Ash is available, no supply of Ash is made to brick manufacturers. Hence, no meeting took place with any brick manufacturer.
55.	Meeting with State Government/Agencies	As no supply of Ash is made to any outsider, there is no dispute requiring involvement of State Government/Agencies. Hence, no meetings held with State Government / Agencies.
56.	Any other measure (Please specify)	Nil



The following information shall be submitted

**Annexure - I**

**Details of Brick Units / Brick Kilns and other Fly Ash Product Units to which Ash is supplied**

S No	Name of the Unit & Address	Telephone No, if any	Quantity supplied in Metric tons
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No supply of Ash is made to Brick Units / Brick Kilns and other Fly Ash Product Units as 100 % of Ash generated is used within the premises for Cement manufacturing.

**Annexure – II**

**Details of Cement to which Fly Ash supplied**

S No	Name of the Unit & Address	Telephone No, if any	Quantity supplied in metric tons
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100 % of Fly Ash generated from the Captive Power Plant is used in our Cement Plant located within the same premises for cement manufacturing.

**Annexure – III**

**Name of Road projects to which Fly Ash supplied**

S No	Name of the Road Project	Telephone No, if any	Quantity supplied in metric tons
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No supply of Fly Ash is made to Road Projects as 100 % of Ash generated is used within the premises for Cement manufacturing.

**Annexure – IV**

**Name of Hydro power project to which Fly Ash supplied**

S No	Name of the Hydro power project	Telephone No if any	Quantity supplied in metric tons
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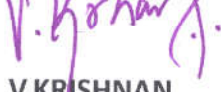
No supply of Fly Ash is made to any Hydro Power Projects as 100 % of Ash generated is used within the premises for Cement manufacturing.

**Annexure – V**

**Name of Mine to which Ash supplied**

S No	Name of the Mine	Open cast / Under ground	Back filling
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No supply of Ash is made to any Mine for back filling as 100 % of Ash generated is used within the premises for Cement manufacturing.

Signature :   
Name : V.KRISHNAN  
Designation : Senior Vice President [Works]  
Date : 02.07.2020

