







Chettinad Cement/Tamilnadu/Puliyur/Cement Plant & CPP/EC Compliance Chettinad Oct '19-March'20/ 2020 /15 cement 27th May, 2020

Director

Ministry of Environment, Forest and Climate Change Government of India, Regional Office (SEZ) Ist and IInd Floor, Handloom Export Promotion Council 34, Cathedral Garden Road, Nungambakkam, Chennai – 600 034

Sir,

Sub: Submission of Environmental Clearance Compliance & Environmental Monitoring Reports (Oct'19 to March'20) - Chettinad Cement Corporation Private Limited, Puliyur Works, Puliyur Village, Karur Taluk & District, Tamilnadu

Ref: Environmental Clearance issued by Ministry of Environment and Forests vide Letter No. F.N. J -11011/186/2008 -IA.II (I) dated 25th Feb 2019

We enclose herewith the following reports pertaining to Integrated Cement Plant Production capacity of 1.7MTPA (Including Slag Grinding 1.0 MTPA) and Captive Power Plant generation capacity of 15MW, located at Puliyur Village, Karur Taluk & District, Tamilnadu for the period from Oct'19 to March'20.

- a. Environmental Clearance Compliance Report (Oct'19 to March'20) Appendix 1
- b. Environmental Monitoring Report (Oct'19 to March'20) comprising of
 - i. Ambient Air Quality Monitoring Consolidated Report Appendix 2
 - ii. Noise Level Monitoring Consolidated Report Appendix 3
 - iii. Ground Water Quality Monitoring Report- Appendix 4
 - iv. Stack Emission Monitoring Consolidated Report Appendix 5
 - v. Effluent Quality Monitoring Consolidated Report Appendix 6

Yours faithfully for Chettinad Cement Corporation Private Limited

A Amalraj Joint President (Works)

Copy to: Director (Industries), MoEF & CC, Delhi

Member Secretary, CPCB, Delhi , Scientist 'E' & In-charge, CPCB, Bengaluru Member Secretary, TNPCB, Chennai, JCEE, TNPCB, Salem , DEE, TNPCB, Karur

Chettinad Cement Corporation Private Limited.

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Chettinad Cement Corporation Private Limited (Puliyur Works) Puliyur Village, Karur District, Tamilnadu

Environmental Clearance (EC) Compliance Report (EC granted by MoEF vide letter F.NO. J – 11011/186/2008 – IA II (I) dated 25.02.2019)

S.No	Additional Condition	Compliance Status
1	The emissions from cement grinding units	Complied. Being Complying with is condition.
2	The cement grinding capacity shall be	Complied. We assured that the total cement Grinding Capacity will not exceed to 1.7 MTPA inclusive of
		Granulated Slag grinding capacity of 1.0 MTPA.
3		Complied. 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 plant.
4	All other terms and conditions mentioned in the earlier EC letter no J-11011/186/2008-IA.II(I) dated 25.08.2008 shall remaining unchanged.	Compliance Status Enclosed as Appendix 1

for Chettinad Cement Corporation Private Limited

A . Amalraj

Joint President (Works)



Chettinad Cement Corporation Private Limited (Puliyur Works) Puliyur Village, Karur District, Tamilnadu

Environmental Clearance (EC) Compliance Report

(EC granted by MoEF vide letter F.NO. J - 11011/186/2008 - IA II (I) dated 25.08.2008)

A Spacific Conditions

.No	Specific Condition	Compliance Status					
i	The stack emission from all the source	The air pollution control devices viz., Electrostatic					
	shall not exceed 50 mg/Nm³ .	Precipitator (ESP) for the Cooler, Bag House to					
	Electrostatic precipitator (ESP) to	for Kiln/Raw Mill, Coal Mill & Cement Mill and Bag Filters for Clinker Silo, Ash Silo and Transfer					
	Filter to Coal Mill, Bag Filter to Cement	Points are in place to control emissions within the					
	Mill etc shall be provided to control air						
	emissions < 50mg/Nm³. Monitoring of						
	ambient air quality and stack emissions	Monitoring of Ambient Air Quality and Stack					
		in Emissions are carried out regularly and t					
	consultation with TNPCB and data	monitored data are being submitted to t					
	submitted to the Ministry's Regional	Ministry's Regional Office at Chennai, CPCE					
	Office at Bangalore, CPCB and Tamil	Tamilnadu Pollution Control Board (TNPCB).					
	Nadu Pollution Control Board (TNPCB)						
	regularly.						
ii	The fugitive emission during loading and	Dust collection/extraction systems available t					
	unloading shall be suitably controlled. The	control fugitive emission are detailed below.					
	company shall install adequate dust						
	collection and extraction system to	Activity Control Measure					
	control fugitive dust emissions. Fugitive	Unloading of Water Sprinkling					
	emissions from raw material handling	Raw Materials					
	areas, loading /unloading points, transfer	Naw Materials					
	points, hoppers, storage silos, weigh	Stacking Closed Storage with water					
	feeders, grinding mill and packing	Sprinkling System for Coa					
	machines shall be controlled by providing	Gypsum ,Limestone					
	silos and covered sheds for storage of						
	raw materials, fully covered conveyors for						

control fugitive emissions.

S.No Specific Condition	C	ompliance Status
	Activity	Control Measure
	Storing	Silos with Bag Filters for Raw Meal, Clinker, Fly Ash & Cement
	Conveying Fly Ash from ESP Hopper to Fly Ash Silo	Pneumatic conveying through closed pipeline
	Conveying of Materials (Raw Meal, Clinker, Coal etc.,)	Closed Conveyors and transfer points with Bag Filters.
	Conveying of Fly Ash from Silo to Cement Mill & Cement to Silo	Using Air Slide and Bucket Elevator
	Transporting, Vehicular Movement	 Paved Roads Allowing only vehicles with Pollution Under Control Certificate inside the premises Tarpaulin Cover for the materials No Overloading Speed Control
	Bagging and Packing	Electronic Packers with Bag Filters

S.No	Specific Condition	Compliance Status
iii	Ambient Air Quality Monitoring Stations	
	(AAQM) shall be set up as per statutory	
	requirement in consultation with the	6 Ambient Air Quality Monitoring Stations
		(AAQM) have been set up in consultation with the
	ministry's Regional Office at Bangalore,	
	CPCB and TNPCB.	submitted to the Regional Office of MoEF & CC,
		Chennai, CPCB and TNPCB.
iv	Total ground water requirement shall not	Total ground water requirement is not exceeding
IV	exceed 1200 m³/day. The liquid effluent	
		The liquid effluent from the existing Captive
		Power Plant (CPP) viz., Boiler Blow Down,
		Cooling Tower Blow Down and Reverse Osmosis
		(RO) Plant Rejects are being neutralized and
	for duct	treated and then used for various requirements of
		the Plant. No liquid effluent is being discharged
		from the premises and 'Zero' discharge concept is
	'Zero' discharge shall be followed.	
	Domestic effluent shell be treated in	
	Sewage Treatment Plant (STP) and	Domestic effluent is treated in Sewage
	utilized for green belt development.	Treatment Plant (STP) and utilized for greenbelt
		development and dust suppression.
V	Permission for the drawl of 1200 KLD	Ground water Permission obtained from PWD.
	from the State Ground Water Board	
	/Central Ground Water Authority shall be	
	obtained.	
vi	Solid Waste viz., Fly Ash and Dust etc	Solid Waste viz., Fly Ash and Dust etc., from the
		Air Pollution Control Equipment (ESP, Bag House,
		Bag Filters etc) are being recycled and reutilized
	properly recycled and reutilized in the	
		The co-processing of CETP Sludge (Textile) in
		our Kiln commenced. Continuing the co-
	(FTP) sludge from 8 CETPs in Karur area	processing of this sludge depends on the quality
		of Limestone received from our Captive
	waste shall be disposed off out side the	Limestone Mines and the quality of CETP Sludge
	factory premises. The solid waste from	received from Textile Industry, as variations have
	Tactory premises. The some waste month	

S.No	Specific Condition	Compliance Status becomes observed in the quality of both							
	Sewage Treatment Plant (STP) shall be								
	composted and used as manure for green No solid waste is disposed outside the fact								
	belt. Waste oil shall be collected, stored premises. The solid waste from Sev								
		Treatment Plant (STP) is being used as manua							
	preprocessors for further treatment and								
	disposal.	Used/Spent Oil is being collected, stored and so							
		to authorized recyclers/ preprocessors f							
		further treatment and disposal.							
vii	As proposed, out of total 31 ha green belt								
	shall be developed in 11.6 ha (37.4%) to	Total area of Plant 31.0 ha							
	mitigate the effects of air emissions as	Croopholt Doveloped Area 116 ha							
	per the CPCB per the CPCB guidelines in								
	a time bound manner.	No of Saplings planted 25084							
viii									
viii	Corporate Responsibility for	The recommendations made in the Chart on Corporate Responsibility for Environment Protection (CREP) for the Cement Plants has been complied with except for the generation power using hot gases from the Kiln. As the legases from the kiln are used for removing the moisture from the raw materials in the Raw Not the insufficient heat energy available in the spengases cannot be used for power generations.							
ix	Corporate Responsibility for Environmental Protection CREP shall be followed and complied. Other necessary statutory clearance from the concerned departments including 'No Objection Certificate ' from the	on Corporate Responsibility for Environment Protection (CREP) for the Cement Plants has been complied with except for the generation power using hot gases from the Kiln. As the line gases from the kiln are used for removing moisture from the raw materials in the Raw Not the insufficient heat energy available in the spin gases cannot be used for power generation.							

B. General Conditions

S.No	General Condition	Compliance Status
i		The stipulations made by Tamilnadu
		Pollution Control Board (TNPCB) and State
		Government are being complied with.
	Government.	
ii	No further expansion or modification of	No further expansion or modification of the
		plant will be carried out without prior
		approval of this Ministry.
iii		The air pollution control devices like ESP,
		Bag House/ Water Sprinkling and Low
		NOx Burner etc., are in place to control
	the T.N. Pollution Control Board.	the gaseous and particulate matter
	COLLECTION	emissions within norms.
		Continuous online monitors for Particulate
		Matter installed in the Stacks attached to
	in the pollution control equipment so	Raw Mill & Kiln, Coal Mill, and Cooler ESP &
	that in the event of the pollution	Cement Mill.
	control equipment not working, the	
	respective unit(s) is shut down	Interlock facility available in the pollution
	automatically.	control equipment so that when the
		pollution control equipment is not
		working, the respective production unit
		gets shut down automatically.
iv		Bag House is available for the Cement
		Grinding Mill where the grinding of Clinker
		takes place. The emissions from the
	emissions from Cement Grinding Mill	Cement Grinding Mill are below 30 mg/Nm³.
	below 50 mg/Nm³.	
V	Ambient Air Quality including Ambient	Ambient Air Quality and Ambient Noise
	Noise Levels shall not exceed the	Levels are not exceeding the standards
	standards stipulated under EPA or by	stipulated under EPA and the State
	the State Authorities. Monitoring of	
	Ambient Air Quality and shall be carried	
	out regularly in consultation with	Monitoring of Ambient Air Quality is being
	Ambient Air Quality and shall be carried	C A bi Air Ouglity ic

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S.No	General Condition	Compliance Status
	TNPCB and data submitted to the	carried out regularly and monitored data
	CPCB and TNPCB regularly. The	is being submitted to the CPCB and
	instruments used for Ambient Air	
	Quality Monitoring shall be calibrated	The instruments used for Ambient Air
	time to time.	Quality Monitoring are being calibrated
		from time to time.
vi	The overall noise levels in and around	The overall noise levels in the plant area is
	the plant area shall be kept well within	kept well within the standards (85 dBA) by
	the standards (85 dBA) by providing	providing appropriate noise control
	noise control measures including acoustic	measures like acoustic hoods, silencers,
	hoods, silencers, enclosures etc. on all	enclosures etc. for the sources of noise
		generation and ensuring good maintenance
	Noise Levels shall conform to the	
	Standards prescribed under	
	environmental (Protection)Act 1986,	The Ambient Noise Levels are conforming
	Rules 1989 viz. 75dBA (day time) and	to the Standards prescribed under
	70 dBA (night time)	environmental (Protection)Act 1986,
		Rules 1989 viz. 75 dBA (day time) and 70
		dBA (night time).
vii	Rainwater harvesting measures shall be	Rainwater harvesting measures like
	adopted. The company must harvest	rooftop collection facility, storm water
	the rainwater from the rooftops and	collection facility and sump are available
	storm water drains to recharge the	to harvest rainwater which helps to
	ground water and use the same water for	recharge the ground water, ensure
		availability of harvested water for meeting
	conserve fresh water.	various requirements of the Plant and also
		conserve fresh water.
viii	The company shall undertake eco-	The eco-development activities like
	development measures including	rainwater harvesting campaigns, free-supply
	community welfare measures in the	of saplings to the nearby community etc.,
	project area.	are being carried out.
		The community welfare measures, which
		include various Education, Health and
		Infrastructure Development initiatives that
		are being carried out.

		Compliance Status
S.No	occupational health programmes shall be taken up.	Good House Keeping is maintained in Plant Area. Occupational Health Programme like Pre-employment and periodical health check up for the employees, health awareness programme, ensuring use of personal protective equipment by the employees, maintaining clean and safe work environment etc., are being ensured.
X	cell to carry out various management	A separate environmental management cell under the control of Senior Executive to carry out various environment related activities is available. The regular environmental monitoring is being carried by third party.
xi	towards total capital cost and recurring cost/annum for environmental pollution control measures and used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided	
xii	Bangalore/CPCB/TNPCB/shall monitors	

S.No	General Condition	Compliance Status
xiii	The Project Authorities shall inform the	
	Regional Office as well as the Ministry,	invested for the expansion activities, this
	the date of financial closure and final	portion of the condition is not applicable to
	approval of the project by the concerned	us. The expansion activity did not involve any
	authorities and the date of commencing	land development work, as few facilities in
	the failu developinent work.	the plants have been upgraded/replaced.
xiv	The Project Proponent shall inform the	Advertisement in Indian Express (in English)
	public that the project has been	& Dhinamani (in Tamil) published on
	accorded environmental clearance by	30.08.2008 informing the public that the
	the Ministry and copies of the	proposed expansion programme has been
		accorded environmental clearance and a
	1 11 11	copy of the clearance letter is available with
		its Tamilnadu Pollution Control Board and
		also can be seen at Website of the
	Environment and Forests at	Ministry of Environment and Forests at
	http:/envfor.nic.in. This should be	http:/envfor.nic.in.
	advertised within seven days from the	
		Copies of the advertisement submitted to
	ICast III two is said	MoEF Regional Office, Bangalore vide our
	widely circulated in the region of	letter CCCLP/PROD/2008/1653 dated
	which one shall be in the vernacular	30.08.2008.
	language of the locality concerned and	
	a copy of the same shall be forwarded	
	to the Regional office at Bangalore.	

Other Conditions

S No	Other Condition	Compliance Status						
5.0	The ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bangalore.	conditions v	vill also b					
6.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions, is not satisfactory.		iotea.					

S No	Other Condition	Compliance Status
7.0	Any other conditions or alteration in the above said conditions shall have to be implemented by the project authorities in a time bound manner.	
8.0	Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	
9.0	The above conditions shall be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, and the Public Liability Insurance Act, 1991 along with their amendments and rules.	

for Chettinad Cement Corporation Private Limited

A. Amalraj

Joint President (Works)





												Appe	ndix
	Chettinad Ceme	ent Cor	porati	on Pri	vate l	_imite	d (Pu	liyur \	Work:	s)			
		uliyur Vil	lage ,Ka	arur Dis	strict, 7	Tamil N	ladu						
	Ambiant Air Quality Monit	oring- (Consol	idated	d Rep	ort (0	Octob	er201	9 to I	March	2020		
S.No	Location		PM ₁₀ (μg/m ³)			PM _{2.5} (μg/m ³)					NOx (μg/m ³)		
		Max	Min	Avg	Max	Min	Avg		Charles College and College an	Avg	Max	Min	Avg
	Limestone Stock Pile(East)	66.2	59.3	62.7	28.8	25.1	26.6	14.0	11.6	12.6	27.8	21.4	24.4
2	South Trans Office(North)	65.5	59.3	63.7	27.7	25.1	26.6	14 7	10.7	12.0	20.0	21.4	24.4
3	Coal Yard Area (West)	67.4	65.7	66.7	30.4	24.7	28.6	14.7	12.6	13.7	20.2	21.0	24.9
4	Truck Parcking Area (Southwest)	64.8	53.7	62.6	28.5	25.6	26.6	12./	10.7	12.0	20.2	23.4	26.9
5	G6 Quarters (South)	64.3	53.7	59.5	28.8	20.0	25.6	12.7					
	Occ. Health Centre (Southeast)	66.5									28.8		
	Limit		o μg/r			24.2 ο μg/r			10.2 o µg/i	12.3 m ³		21.1 o µg/r	26.0 n ³

for Chettinad Cement Corporation Private Limited

A.Amalraj Joint President (Works)



Appendix 3

	Chettinad Cem	ent Corp	oration P	rivate Li	mited (Pu	ıliyur Wo	rks)		
	Puli	yur Villag	e , Karur	District,	Tamilnac	lu			
	Noise Level Monitorin	g- Conso	lidated R	leport (C	ctober2	019 to M	arch2020)	
S.No	Location	UoM		Day		Night			
			L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}	
		An	nbient No	ise Leve					
1	Lime Stone Stock Pile	dB(A)	52.40	52.95	53.50	42.60	42.90	43.20	
2	South Trans Office	dB(A)	52.30	52.40	52.50	42.70	43.05	43.40	
3	Coal Yard	dB(A)	52.40	53.05	53.70	42.20	42.75	43.30	
4	Truck Parking Area	dB(A)	52.60	52.65	52.70	42.20	42.95	43.70	
5	G6 Quarters	dB(A)	51.30	51.75	52.20	42.50	43.00	43.50	
6	Occupational Health Centre	dB(A)	52.40	52.40	52.40	42.50	43.25	44.00	
Limit (L _{eq}) dB(A			75			70			

for Chettinad Cement Corporation Private Limited

A.Amalraj Joint President (Works)



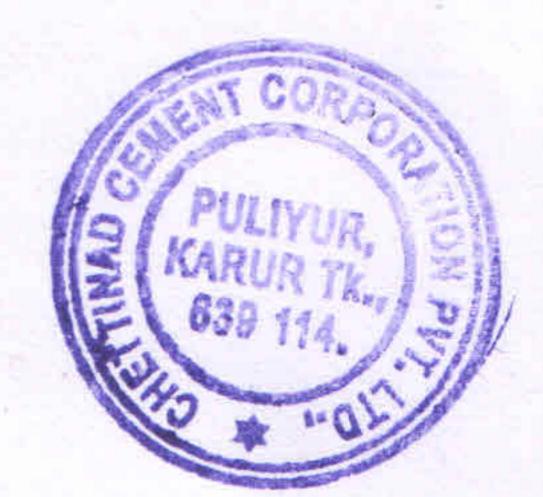
	Grou	nd Wa	ter Qua	lity Mon	age,Karu itoring I	Report (October	2019 to	March ₂₀	020)				
S. No	Parameter	UoM		V 1	GW 2		GW 3		GW 4		GW 5			
			Dec '19		Dec '19	Mar'20	Dec '19	Mar'20	Dec '19	Mar'20	Dec '19	Mar'20		
1	Total Coliforms	-	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent		
2	Total Alkalinty as CacO3	mg/l	320	538	296	367	308	518	320	471	296	316		
2	Ammonia as N	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1	Mg hardnessas Caco3	mg/l	125	120	68	72	125	105	94	100	68	65		
5	P-Alkalinity as CaCO3	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
6	Silica as SIO2	mg/l	52	47	17	23	45	41	28	26	27	29		
7	TSS	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
8	Sodium as Na	mg/l	80	249	82	87	70	170	75	168	136	142		
9	Colour	Haz	20	2.0	2.0	2.0	2.0	2.0	5.0	5.0	2.0	BDL		
	рН	mg/l	7.16	7.21	751	7.62	7.13	7.1	6.91	6.79	7.25	7.09		
10	TDS	mg/l	1287	1750	786	728	1365	1460	1267	1370	1044	1055		
11				0.4	0.5	0.5	0.2	BDL	0.1	0.6	0.9	1.2		
12	Turbidity	mg/l	0.3		213	254	510	485	291	305	198	NIL		
13	Ca hardness CaCo3 Anionic detergents	mg/l mg/l	541 BDL	510 BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	230		
15	MBAS Boron as B	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
15	Chloride as Cl	mg/l	458	421	135	153	256	291	280	296	227	10		
16	Copper as Cu	1116/1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
17	Fluoride as F	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
18	Free residual chlorine	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
19	Iron as Fe	- "	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.15	0.12		
20		mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
21	Manganese as Mn		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
22	Mnieral Oil	mg/l	_		17	24	38	33	33	36	34	38		
23	Nitrite as NO3	mg/l	42 BDL	39 BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
25	Phenolic compound as	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	NIL	BDL	BDL	BDL		
26	Selenium as Se	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NIL		
27	Sulphate as SO4	mg/l	163	136	59	68	88	91	111	129	154	162		
28	Total Hardness as CaCo3	mg/l		630	281	326	456	590	460	405	265	295		
29	Cadmiun as CD	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
30	Cyanide as CN	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
31	Lead as Pb	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
32	Mercury as Hg	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
33	T.Chromium as Cr	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
34	T.Arsenic as As	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
35	Appearance		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clea		
	Kalipalayam Village- East				GW 4 - P	uliuyr Villa	ge -West							
	A.B.Nager-South West				GW 5 - K	ovil Palayar	GW 5 – Kovil Palayam Village-North							

* BDL - Below Detectable Limit

for Chettinad Cement Corporation Private Limited

A.Amalraj

Joint President (Works)





Appendix 5

	Chettinad Cer	nent Corpora	tion Privat	e Limited	(Puliyur	Works)	
		Puliyur, Kar	ur District,	TamilNad	u		
	Stack Emission Mone	otoring- Cons	olidated R	eport (Od	:t'2019 to	March20	20)
S.No	Stack Connected to	Parameter	UoM	Norms	Max	Min	Avg
1	Raw Mill /Kiln		mg/Nm ³		16.1	9.6	12.7
2	Cooler ESP				25.9	16.1	20.3
3	Coal Mill	Particulate		30	24.1	15.1	20.4
4	Cement MIII-1	Matter			27.5	20.9	23.9
5	Captive Power Plant - Boiler			50	29.2	17.9	23.0

S.No	Stack Connected to	Parameter	UoM	Norms	Max	Min	Avg
1	Raw Mill /Kiln	SO ₂	mg/Nm ³	100	54.0	4.0	17.6
2	Captive Power Plant - Boiler			600	446.0	121.0	248.0

S.No	Stack Connected to	Parameter	UoM	Norms	Max	Min	Avg
1	Raw Mill/Kiln		mg/Nm ³	800	550.0	210.0	348.8
2	Captive Power Plant - Bolier	NOx		300	237.0	119.0	189.7

for Chettinad Cement Corporation Private Limited

A.Amalraj

Joint President (Works)

Appendix 6

Chettinad Cement Corporation Private Limited (Puliyur Works) Puliyur Village ,Karur District , Tamilnadu

Treated Industrial & Sewage Effluent Quality Monitoring -Consolidated Report (October2019 to March2020)

	Consolidated R	eport (Octo	ober2019 to	March202	20)	
A. Tre	eated Industrial Effluent					
S No	Paramenter	UoM	Norms	Max	Min	Avg
1	PH		5.5 to 9.0	8.70	7.71	7.95
2	Suspended Solids	mg/litre	100	20.00	4.00	12.13
3	Total Dissolved Solids	mg/litre	2100	1210.00	906.00	1155.00
4	Chlorides	mg/litre	1000	210.00	170.00	195.00
5	Sulphates	mg/litre	1000	55.00	40.00	45.00
6	BOD	mg/litre	30	6.00	4.00	6.00
7	COD	mg/litre	250	45.00	16.40	42.50
B. Tre	eated Sewage Effluent - F	actory				
S No	Paramenter	UoM	Norms	Max	Min	Avg
1	PH		5.5 to 9.0	8.05	7.24	7.70
2	Total Suspended Solids	mg/litre	30	13.00	8.00	9.50
3	BOD	mg/litre	20	10.00	8.00	9.50
C. Tre	eated Sewage Effluent - C	olony				
S No	Paramenter	UoM	Norms	Max	Min	Avg
1	PH		5.5 to 9.0	8.12	7.50	7.79
2	Total Suspended Solids	mg/litre	30	15.00	10.00	12.67
3	BOD	mg/litre	20	12.00	10.00	11.00

for Chettinad Cement Corporation Private Limited

A.Amalraj

Joint President (Works)

