











Chettinad Cement/Tamilnadu/Puliyur/Cement Plant & CPP/EC Compliance/ April '21-Sep'21/2021/103 23rd Nov, 2021

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 (April'21 to Sep'21) - 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 April'21 to Sep'21

- Environmental Clearance Compliance Report (April'21 to Sep'21) Appendix 1
- Environmental Monitoring Report (April'21 to Sep'21) 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

Asst Vice 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.

Kumararajah Muthiah Nagar Puliyur Cement Factory Karur Dist 639 114, Tamilnadu, India. T +91 4324 251354, 251345 E puliyur@chettinadcement.com CIN: U93090TN1962PTC004947

GST: 33AAACC3130A1ZQ

Head Office:

Chettinad Towers, 4th Floor, 603, Anna Salai, Chennai 600 006, T+914428292727,42951800 F+94 44 28291558, 43090202 E info@chettinadcement.com www.chettinadcement.com

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 coment grinding units	Complied. Being Complying with is condition.
2	The cement grinding capacity shall be restricted to 1.7MTPA inclusive of	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	its vicinity.	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



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. Specific Conditions

S.No	Specific Condition	Compliance Status				
i	The stack emission from all the source	The air pollution control devices viz., Electrostation				
	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				
	Cooler, Bag house to Kiln/Raw mill, Bag	Filters for Clinker Silo, Ash Silo and Transfe				
	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	prescribed norms.				
	emissions < 50mg/Nm³. Monitoring of	of				
	ambient air quality and stack emissions	Monitoring of Ambient Air Quality and Stac				
	shall be carried out regularly in	in Emissions are carried out regularly and the				
	consultation with TNPCB and data	monitored data are being submitted to th				
	submitted to the Ministry's Regional	Ministry's Regional Office at Chennai, CPCB an				
	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	Lieles dine of Mator Corinkling				
	emissions from raw material handling	Unloading of Water Sprinkling				
	areas, loading /unloading points, transfer	Raw Materials				
	points, hoppers, storage silos, weigh	Stacking Closed Storage with wate				
	feeders, grinding mill and packing					
	machines shall be controlled by providing	Gypsum ,Limestone				
	silos and covered sheds for storage of					
	raw materials, fully covered conveyors for					
	transportation of materials etc. Water					

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sprinklers shall also be provided to

control fugitive emissions.

S.No	Specific Condition	Compliance 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				
iii	Ambient Air Quality Monitoring Stations (AAQM) shall be set up as per statutory						



S.No	Specific Condition	Compliance Status
		6 Ambient Air Quality Monitoring Stations
		(AAQM) have been set up in consultation with the
		TNPCB and the monitored data is being
		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
	exceed 1200 m³/day. The liquid effluent	
	from the existing Captive Power Plant	
		The liquid effluent from the existing Captive
		Power Plant (CPP) viz., Boiler Blow Down,
		Cooling Tower Blow Down and Reverse Osmosis
	and treated and used for dust	(RO) Plant Rejects are being neutralized and
	suppression and green belt development	treated and then used for various requirements of
		the Plant. No liquid effluent is being discharged
	'Zero' discharge shall be followed.	from the premises and 'Zero' discharge concept is
	Domestic effluent shell be treated in	being followed.
	Sewage Treatment Plant (STP) and	
	utilized for green belt development.	Domestic effluent is treated in Sewage
		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,
	(ESP, Bag House, Bag Filters etc) Shall be	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-
		processing of this sludge depends on the quality
	shall be used in Cement Plant. No solid	of Limestone received from our Captive
		Limestone Mines and the quality of CETP Sludge
	factory premises. The solid waste from	received from Textile Industry, as variations have
	Sewage Treatment Plant (STP) shall be	been observed in the quality of both.

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S.No	Specific Condition	Compliance Statu					
	composted and used as manure for green						
	belt. Waste oil shall be collected, stored						
	and sold to authorized recyclers/	Treatment Plant (STP) is being	used as manure				
	preprocessors for further treatment and	for greenbelt.					
	disposal.	Used/Spent Oil is being collected	, stored and solo				
		to authorized recyclers/ pre	processors for				
		further treatment and disposal.					
vii	As proposed, out of total 31 ha green belt						
	shall be developed in 11.6 ha (37.4%) to		31.0 ha				
	mitigate the effects of air emissions as	Groonholt Developed Area	11.6 ha				
			(37.4%)				
	per the CPCB per the CPCB guidelines in	No of Saplings planted	25084				
	a time bound manner.						
viii		on Corporate Responsibility f	or Environmen				
viii		on Corporate Responsibility f	ent Plants have he generation of Kiln. As the holor removing the sin the Raw Millable in the spendower generation				
viii	Corporate Responsibility for Environmental Protection CREP shall be followed and complied.	on Corporate Responsibility of Protection (CREP) for the Cembeen complied with except for the power using hot gases from the gases from the kiln are used for moisture from the raw materials the insufficient heat energy avail gases cannot be used for pousing Waste Heat Recovery Boile	ent Plants have he generation of Kiln. As the holor removing the sin the Raw Millable in the spendower generation er.				
ix	Corporate Responsibility for Environmental Protection CREP shall be followed and complied. Other necessary statutory clearance from	on Corporate Responsibility of Protection (CREP) for the Cembeen complied with except for the power using hot gases from the gases from the kiln are used for moisture from the raw materials the insufficient heat energy avail gases cannot be used for pousing Waste Heat Recovery Boiled. Consent to Establishment and	for Environment Plants have the generation of Kiln. As the holor removing the sin the Raw Millable in the spendower generationer.				
	Corporate Responsibility for Environmental Protection CREP shall be followed and complied. Other necessary statutory clearance from the concerned departments including 'No	on Corporate Responsibility of Protection (CREP) for the Cembeen complied with except for the power using hot gases from the gases from the kiln are used for moisture from the raw materials the insufficient heat energy avail gases cannot be used for pousing Waste Heat Recovery Boiled Consent to Establishment and Operations have been obtained	ior Environment Plants have the generation of Kiln. As the hotor removing the sin the Raw Millable in the spendower generationer. Indoor Consent for from Tamilnad				
	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 of Protection (CREP) for the Cembeen complied with except for the power using hot gases from the gases from the kiln are used for moisture from the raw materials the insufficient heat energy avail gases cannot be used for pousing Waste Heat Recovery Boiled Consent to Establishment and Operations have been obtained Pollution Control Board prior to	ior Environment ent Plants have he generation of Kiln. As the hotor removing the sin the Raw Millable in the spendower generation er. Ind Consent for from Tamilnad commencement				
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B. General Conditions

S.No	General Condition	Compliance Status
i		The stipulations made by Tamilnadu
	stipulations made by Tamilnadu Pollution	Pollution Control Board (TNPCB) and State
	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
	conform to the standards prescribed by	NOx Burner etc., are in place to contro
		the gaseous and particulate matter
		emissions within norms.
		Continuous online monitors for Particulate
	stack. Interlock facility shall be provided	Matter installed in the Stacks attached to
		Raw Mill & Kiln, Coal Mill, and Cooler ESP &
	that in the event of the pollution	
	control equipment not working, the	
		Interlock facility available in the pollution
	automatically.	control equipment so that when the
		pollution control equipment is no
		working, the respective production uni
		gets shut down automatically.
iv	Cement grinding shall be carried out in	Bag House is available for the Cemer
		Grinding Mill where the grinding of Clinke
		takes place. The emissions from th
		Cement Grinding Mill are below 30 mg/Nm
	below 50 mg/Nm³.	
V		Ambient Air Quality and Ambient Nois
	Noise Levels shall not exceed the	Levels are not exceeding the standard
	standards stinulated under FPA or by	stipulated under EPA and the Stat
	the State Authorities. Monitoring of	
	Ambient Air Quality and shall be carried	
	I I i a moultation with	CA Line Air Quality in hair
	out regularly in consultation with	carried out regularly and monitored da
	TINECE and data submitted to the	

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	instruments used for Ambient Air	is being submitted to the CPCB and TNPCB.				
		TNPCB.				
	Quality Monitoring shall be calibrated	The instruments used for Ambient Air				
		Quality Monitoring are being calibrated				
		from time to time.				
		The overall noise levels in the plant area is				
		kept well within the standards (85 dBA) by				
		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				
	sources of noise generation. The Ambient	generation and ensuring good maintenance				
	Noise Levels shall conform to the	of Equipment & Machinery.				
	Standards prescribed under					
		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				
VII		rooftop collection facility, storm water				
	the rainwater from the rooftops and	collection facility and sump are available				
		to harvest rainwater which helps to				
	ground water and use the same water for					
		availability of harvested water for meeting				
		various requirements of the Plant and also				
	conserve fresh water.					
		conserve fresh water. The eco-development activities like				
viii	The company shall undertake eco-	The eco-acveropriteric accirios				
		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.				

S.No	General Condition	Compliance Status
ix	Proper housekeeping and adequate	Good House Keeping is maintained in Plant
	occupational health programmes shall be	Area. Occupational Health Programme like
	taken up.	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.
V		A separate environmental management
X		cell under the control of Senior Executive to
		carry out various environment related
	under the control of Senior Executive.	activities is available.
	under the control of Schlot Executive.	
		The regular environmental monitoring is
		being carried by third party.
	Adamieta funda chall bo parmarked	Funds earmarked for capital cost and
XI		recurring cost/annum for environmental
		pollution control measures have been
		used to implement the conditions stipulated by the Ministry of Environment
		and Forests as well as the State
	Forests as well as the State	
	Government. The funds so provided	
	shall not be diverted for any other	The funds so provided are not being
	purpose.	diverted for any other purpose.
		Civ monthly EC compliance report and the
xii		Six monthly EC compliance report and the
		monitored data are being submitted to
		Regional Office of MoEF & CC at
	compliance report and the monitored	
	data along with statistical interpretation	
	shall be submitted to them regularly.	



S.No	General Condition	Compliance Status					
xiii	The Project Authorities shall inform the	As internally accrued funds have been					
	Regional Office as well as the Ministry,	invested for the expansion activities, this					
		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						
	the land development 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					
		copy of the clearance letter is available with					
	Board/Committee and may also be	its Tamilnadu Pollution Control Board and					
	seen at Website of the Ministry of	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						
	auce of look						
	least in two local newspapers that are	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									
6.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions, is not satisfactory.								



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.	

R.P.Muthiah

Asst. Vice President (Works)



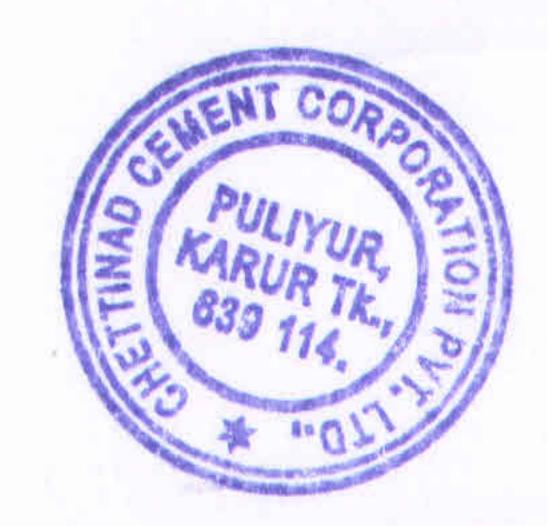


Appendix 2

	Chettinad Ceme	nt Co	rporat	ion Pr	ivate	Limit	ed (Pu	uliyur	Work	(S)		· · · · · · · · · · · · · · · · · · ·	IIUIX 2
		uliyur V											
	Ambiant Air Quality M	lonito	ring- C	onso	lidate	d Rep	oort (A	April'	21 to	Sep 'z	21)		
S.No	Location		10 (µg/	The state of the s	PM _{2.5} (µg/m ³)						NOx (µg/m³)		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	House of top K sureskumar New Kalipalayam -North East	58.4	55.8	57.2							22.2	18.6	20.9
2	Transofffice Buliding Puliyur -North	57.6	52.7	55.3	27.8	21.6	24.4	9.3	8.0	8.9	22.8	19.4	20.5
3	House of top Nagarajan.D Ganeshpuram - North west	58.1	55.3	56.6	26.8	20.6	24.0	10.5	9.2	10.0	23.6	21.4	22.1
4	House of top Gopal Amaravathi Nager - South west	57.4	53.4	55.9	26.9	23.0	25.4	10.9	9.2	9.9	22.4	19.9	21.2
5	House of top Mahiyalagan RM colony -South	59.0	53.6	56.4	27.0	22.0	24.3	9.7	8.6	9.0	22.0	19.9	20.8
6	House of top Velusamy Kalipalayam South East	58.5	55.0	56.7	27.3	21.8	24.8	10.3	8.8	9.6	22.4	18.6	20.9
	Limit	10	o µg/r	n ³	6	o μg/r	n ³	8	o µg/ı	m ³	8	o µg/ı	n^3

for Chettinad Cement Corporation Private Limited

R.P.Muthiah Asst Vice President (Works)



Appendix 3

	Chettinad Cement	Corpora	ation Priv	ate Limit	ted (Puliy	ur Works		ppendix
			Karur Di					
	Noise Level Monitorin	g- Consc	olidated F	Report (April'202	1 to Sep'z	2021)	
S.No	Location	UoM		Day		Night		
			L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
		Ambi	ent Noise	Level				
1	House of top K sureskumar New Kalipalayam -North East	dB(A)	52.10	52.60	53.30	41.80	42.17	41.97
2	Transofffice Buliding Puliyur - North	dB(A)	51.40	52.17	52.60	41.30	42.33	41.93
3	House of top Nagarajan.D Ganeshpuram - North west	dB(A)	51.90	52.13	52.40	41.80	42.67	42.27
4	House of top Gopal Amaravathi Nager - South west	dB(A)	51.50	52.53	53.70	42.20	42.27	42.60
5	House of top Mahiyalagan RM colony -South	dB(A)	50.80	51.53	52.20	42.10	42.63	42.37
6	House of top Velusamy Kalipalayam South East	dB(A)	51.60	51.97	52.40	42.30	42.07	42.57
	Limit (L _{eq})	dB(A)		75			70	

for Chettinad Cement Corporation Private Limited

R.P.Muthiah Asst Vice President (Works)



			Pu	liyur Vil	rporation lage,Karı	ur Distri	ct,Tamilr	nadu				
	Gr	ound '	Water G	uality N	1onitorin	g Repoi	rt (April'	2021 to	Sep'202	1)		
S. No	Parameter	UoM	GV	V 1	GW 2		GW 3		GW 4		GW 5	
			June '21	Sep '21	June '21	Sep '21	June '21	Sep '21	June '21	Sep '21	June '21	Sep '21
1	Total Coliforms	-	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
2	Total Alkalinty as CacO3	mg/l	252	101	261	162	290	133	245	214	320	320
3	Ammonia as N	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4	Mg hardnessas Caco3	mg/l	88	55	98	75	108	72	69	80	59	59
5	P-Alkalinity as CaCO3	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
6	Silica as SIO2	mg/l	17	12	20	20	17	15	15	20	15	15
7	TSS	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8	Sodium as Na	mg/l	52	34	50	40	45	37	51	50	68	68
9	Colour	Haz	5	2.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5
10	рН	mg/l	7.1	7.67	7.42	7.34	7.01	7.16	7.51	7.25	7.56	7.56
11	TDS	mg/l	810	382	805	662	760	526	740	683	845	845
12	Turbidity	mg/l	0.3	0.2	0.3	0.4	0.5	0.3	0.4	0.6	0.3	0.3
13	Ca hardness CaCo3	mg/l	176	100	157	125	137	120	186	132	167	167
14	Anionic detergents MBAS	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
15	Boron as B	mg/l	BDL -	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
16	Chloride as Cl	mg/l	132	76	170	123	121	103	101	135	272	272
17	Copper as Cu		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
18	Fluoride as F	mg/l	BDL	BDL	BDL	0.3	BDL	0.2	BDL	0.3	BDL	BDL
19	Free residual chlorine	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
20	Iron as Fe	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
21	Manganese as Mn	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
22	Mnieral Oil	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
23	Nitrite as NO3	mg/l	15	10	16	14	15	8	17	23	22	22
24	Nitrite as NO2	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
25	Phenolic compound as C6H5OH	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 SO ₄	mg/l	58	23	59	53	61	40	58	63	121	121
28	Total Hardness as CaCo3	mg/l	265	156	255	198	245	169	255	220	225	225
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	Clear
W 1 - K	alipalayam Village- East				GW 4 - Puliuyr Village -West							
W 2 - A	maravathi Nager North V	Vest			GW 5 - Kov	vil Palayam	Village-No	rth				
W 3 - A	B.Nager-South West											

^{*} BDL - Below Detectable Limit

for Chettinad Cement Corporation Private Limited

R.P.Muthiah

Asst Vice President (Works)





Appendix 5

	Chettinad Cem	ent Corporati	ion Private	Limited (Puliyur W	orks)	
		Puliyur, Karu	r District,T	amilNadu			
	Stack Emission Mono	toring- Consc	olidated Re	port (Apr	il '2021 to	Sep '202	21)
S.No	Stack Connected to	Parameter	UoM	Norms	Max	Min	Avg
1	Raw Mill /Kiln		mg/Nm ³		21.1	15.9	17.6
2	Cooler ESP			20	24.6	20.7	22.9
3	Coal Mill	Particulate		30	26.4	20.3	21.8
4	Cement MIII-1	Matter			25.6	13.8	19.4
5	Captive Power Plant - Boiler			50	37.1	19.8	27.8

S.No	Stack Connected to	Parameter	UoM	Norms	Max	Min	Avg
1	Raw Mill /Kiln	SO ₂		100	28.0	13.0	22.8
2	Captive Power Plant - Boiler		mg/Nm ³	600	508.0	232.0	349.6

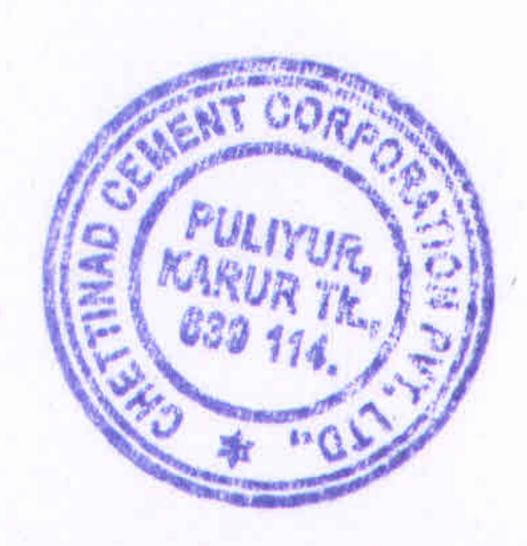
S.No	Stack Connected to	Parameter	UoM	Norms	Max	Min	Avg
1	Raw Mill/Kiln	NOx	mg/Nm ³	. 800	377.0	172.0	250.0
2	Captive Power Plant - Bolier			450	286.0	219.0	240.8

for Chettinad Cement Corporation Private Limited

R.P.Muthiah

Asst Vice President (Works)

No



						pendix 6
	Chettinad Cement C	orporation F	Private Limite	d (Puliyur	Works)	
	Puliyur V	illage ,Karur	District, Tan	nilnadu		
	Treated Industria Consolidate		ffluent Quali pril '2021 to			
A. Tre	ated Industrial Effluent					
S No	Paramenter	UoM	Norms	Max	Min	Avg
1	PH	-	5.5 to 9.0	8.0	7.3	7.8
2	Suspended Solids	mg/litre	100	8.8	3.2	5.0
3	Total Dissolved Solids	mg/litre	2100	1290.0	681.0	975.3
4	Chlorides	mg/litre	1000	148.0	110.0	128.0
5	Sulphates	mg/litre	1000	51.0	32.0	39.7
6	BOD	mg/litre	30	7.0	1.0	3.7
7	COD	mg/litre	250	130.0	21.0	31.0
B. Tre	eated Sewage Effluent - F	actory				
S No		UoM	Norms	Max	Min	Avg
1	PH		5.5 to 9.0	7.6	6.8	7.2
2	Total Suspended Solids	mg/litre	30	6.0	1.0	2.9
3	BOD	mg/litre	20	10.0	3.0	7.2
C. Tre	eated Sewage Effluent - C	olony				
S No		UoM	Norms	Max	Min	Avg
1	PH		5.5 to 9.0	7.6	6.8	7.2
2	Total Suspended Solids	mg/litre	30	10.0	1.0	4.6
2	BOD	mg/litre	20	10.0	3.0	7.3

for Chettinad Cement Corporation Private Limited

R.P.Muthiah Asst Vice President (Works)

