

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/TN/MIN/119992/2019
Compliance ID	610712378
Compliance Number(For Tracking)	EC/M/COMPLIANCE/610712378/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	28-11-2025
RO/SRO Name	V Geroge Jenner
RO/SRO Email	tr025@ifs.nic.in
State	TAMIL NADU
RO/SRO Office Address	Integrated Regional Offices, Chennai

Note:- SMS and E-Mail has been sent to V Geroge Jenner, TAMIL NADU with Notification to Project Proponent.



CCCPL/TN/ARN/EC Compliance/Apr'2025 – Sep'2025/25-26/

28.11.2025

To
The Joint Director
Ministry of Environment, Forest & Climate Change
Government of India
IRO, 1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road, Nungambakkam
Chennai - 600 006.

Sir,

Sub: Submission of Environmental Clearance (EC) Compliance Report (Apr 2025 to Sep 2025) – Arungal Limestone Mine (67.73 ha) of Chettinad Cement Corporation Private Limited at Arungal Village, Ariyalur Taluk & District, Tamilnadu.

Ref: EC amendments granted by MoEF vide Letter No. J-11015/206/2009 -IA II. (M) dated 01.01.2020

We submit herewith the Six Monthly Environmental Clearance Compliance reports pertaining to our Arungal Limestone Mine (67.73 ha) at Arungal Village, Ariyalur Taluk & District, Tamilnadu, for the period from Apr 2025 to Sep 2025.

Environmental Monitoring Report comprising of

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| 1. Consolidated Report -Ambient Air Quality Monitoring | - | Annexure 1 |
| 2. Consolidated Report -Noise Level Monitoring | - | Annexure 2 |
| 3. Consolidated Report -Ground Water Quality Monitoring | - | Annexure 3 |
| 4. NOC of Ground water | - | Annexure 4 |
| 5. Photos of Online Monitoring AAQ Station | - | Annexure 5 |
| 6. Photos of AAQ Monitoring by External Agency | - | Annexure 6 |
| 7. TNPCB AAQ survey Report | - | Annexure 7 |
| 8. Dust Suppression Photo | - | Annexure 8 |
| 9. Photos of Piezometer | - | Annexure 9 |
| 10. Photos of Garland drain | - | Annexure 10 |

Chettinad Cement Corporation Private Limited.
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Ariyalur Dist - 621707, Tamilnadu, India.
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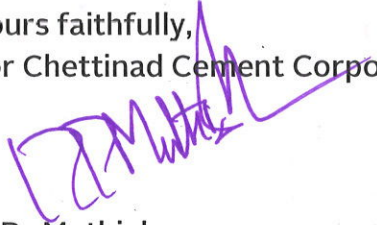
Regd. Office : CIN - U93090TN1962PTC004947
Chettinad Towers,
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11. Photos of Noise Monitoring
 12. Green belt & Kurunkadugal development
 13. Photos of Settling Pond
 14. Photos of Topsoil Storage
 15. CER Fund Compliance
 16. Environment & Safety Cell Team
 17. Photos of Ban Plastic Awareness
 18. PUCC for Truck
 19. Occupational Health Check
- Annexure 11
 - Annexure 12
 - Annexure 13
 - Annexure 14
 - Annexure 15
 - Annexure 16
 - Annexure 17
 - Annexure 18
 - Annexure 19

Kindly acknowledge the receipt of the same.

Yours faithfully,
For Chettinad Cement Corporation Private Limited


R. P. Muthiah
Sr. Vice President (Works)

Copy to:
Zonal Office, CPCB, Bangalore
Member Secretary, TNPCB, Chennai.
JCEE, TNPCB, Trichy
DEE, TNPCB, Ariyalur

Half Yearly Compliance Report**2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Chettinad Cement Corporation Private Limited. Arungal Lime Stone Captive Mine [ML area 67.730 ha] for the production of 0.8 MTPA Lime Stone and Marl put together [0.56 MTPA Lime Stone & 0.24 MTPA Marl] Arungal Village, Ariyalur District. Tamil Nadu		
Name of Entity / Corporate Office	Chettinad Cement Corporation Private Limited		
Village(s)	ARUNGAL		
District	Ariyalur		
Proposal No.	IA/TN/MIN/119992/2019	Category	Non-Coal Mining
Plot / Survey / Khasra No.		Sub-District	Ariyalur
State	TAMIL NADU	Entity's PAN	*****3130A
MoEF File No.	J-11015/206/2009-1A.II(M)	Entity name as per PAN	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	EC compliance report for the period from April 2025 to September 2025
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Chettinad Cement Corporation Private Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	67.73	67.73
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	67.73	67.73

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Limestone and Marl	Million Tons per Annum (MTPA)	31/03/2027	0.8	0.457908	0.8

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Corporate Environmental Responsibility	The budget earmarked under CER is revised to Rs. 24 Lakh which included i) Karaivetti Bird Sanctuary - Protection Measures, Awareness, Development Works & Beautification Work [Rs. 8 Lakh], ii) De-Silting of Inlet Channels leads to Karaivetti Bird Sanctuary & Rainwater harvesting measures [Rs. 5 Lakh], iii) Infrastructure & Sanitation developments in Govt. School in nearby villages [Rs. 8 Lakh] and iv) Public Health Centre renovation and medical camps in nearby villages [Rs. 3 Lakh]. This amount shall be kept in a separate bank account to be audited annually. Annually [before 1st June of every Year for the compliance of proceeding years] the detailed report be submitted to the Regional Offices, MoEF&CC on implementation of the activities proposed in CER along with audited report of Expenditure incurred; Purchase documents, Photographs in support of implementation of activities. etc.

PPs Submission: Complied

Budget earmarked for the CER will not be used for any other purpose. We have been completed the CER proposal as directed in the EC. The necessary abstract, proof and photos are enclosed as (Annexure-15)

Date:
27/11/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.

PPs Submission: Complied
Conditions noted.

Date:
27/11/2025

2	Statutory compliance	The Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
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PPs Submission: Complied

All the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India and Ors before commencing the mining operations were complied.

Date:
27/11/2025

3	Statutory compliance	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
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PPs Submission: Complied Conditions noted.		Date: 27/11/2025
4	Statutory compliance	This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
PPs Submission: Complied With reference to the MoEF notification (S. O. 1909(E) dt. New Delhi, the 31st May, 2019, the extent of Karaivetti Eco-sensitive Zone varies from 0.105 kilometers to 0.891 kilometers around the Karaivetti Bird Sanctuary and our Arungal Limestone mines falls at 3.7 KM i.e. out of Eco sensitive Zone of Karaivetti bird Sanctuary. We have received a letter from Principal Chief Conservator of Forests, Chennai for Karaivetti Bird Sanctuary location vide letter Ref.No.WL5(A)/34791/2019 dt. 20.08.2019, directed District Forest Officer to examine the condition. Based on the above PCCF letter, we have obtained a NOC letter from District Forest Officer vide letter No.C No.488/2012/P dt. 13.09.2019, stating that, the project site is located away from the Eco sensitive zone Boundary of Karaivetti bird sanctuary. Hence, NOC from NBWL is not applicable for this mining project.		Date: 27/11/2025
5	Statutory compliance	This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
PPs Submission: Complied Forest Clearance is not applicable for our project.		Date: 27/11/2025
6	Statutory compliance	Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/Committee.
PPs Submission: Complied We had obtained Consent to Operate from Tamil Nadu State Pollution Control Board before commencement of Mining activity and the same was renewed vide Air Consent order No. 2208243539088 Water Consent order No. 2208143539088 dt.23.05.2022 and the conditions stipulated are being effectively implemented.		Date: 27/11/2025
7	Statutory compliance	The PP shall adhere to the provision of the Mines Act,1952, Mines and Mineral (Development &Regulation), Act,2015and rules & regulations made thereunder. PP shall adhere to various circulars issued by Directorate General MinesSafety (DGMS) and Indian Bureau of Mines from time to time.
PPs Submission: Complied The provision of MMDR Act 2015 and rules and regulations made thereunder and also circulars issued by DGMS and IBM are complied from time to time.		Date: 27/11/2025
8	Statutory compliance	The Project Proponent shall obtain consents from all the concerned land owners,before start of mining operations, as per the provisions of MMDR Act,1957 andrules made there under in respect of lands which are not owned by it.
PPs Submission: Complied The entire land belongs to our company and the Mining Lease has been granted vide Rc No.10047/MM1/2008 dated 19.03.2012 by Department of Geology and Mining of the State Government of Tamilnadu for granting approval for Limestone Mining.		Date: 27/11/2025
9	Statutory compliance	The Project Proponent shall follow the mitigation measures

		provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".(M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
PPs Submission: Complied Guidelines Noted. There is no habitation in and around the Mining lease area and mitigation measures are followed where ever required.		Date: 27/11/2025
10	Statutory compliance	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
PPs Submission: Complied Guidelines Noted.		Date: 27/11/2025
11	Statutory compliance	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in).A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
PPs Submission: Complied Advertised in Dinamani, (Tamil Newspaper), in Indian Express, (English Newspaper) on 06.01.2020 The advertisement copy in both Tamil and English were uploaded online.		Date: 27/11/2025
12	Statutory compliance	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the Para 11of EIA Notification,2006 as amended from time totime.
PPs Submission: Complied Condition noted.		Date: 27/11/2025
13	AIR QUALITY MONITORING AND PRESERVATION	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1(one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/1, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.

<p>PPs Submission: Complied We have installed online Monitoring stations and the monitored data were displayed in the Mine site. (Annexure-05) In addition to the above, Ambient Air quality monitoring is being carried out with NABL accredited external agency (Annexure-01 and 06) periodically at a regular interval for the location in consultation with the Tamil Nadu Pollution Control Board guidance. Reports being submitted to TNPCB on regular basis. Also, TNPCB survey report vide letter no. 040AAQS/2025-26 DT. 14.08.2025 is enclosed as (Annexure-07) and values are within the limit.</p>		<p>Date: 27/11/2025</p>
14	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that airpollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.</p>
<p>PPs Submission: Complied The following control measures were adopted to control the dust level. (Annexure 08) a. Water Sprinkling by water tanker while handling materials containing finer particles b. Water sprinkling by water tanker on the haul roads within the mine area. c. Covering of materials with tarpaulin before commencement of transport. d. Ensuring Speed Control. e. Avoiding overloading. f. Good maintenance of vehicles and mining machinery There are no transfer points as no conveyor has been planned. The Ambient Air Quality parameters were monitored and confirmed to the norms prescribed by the Central Pollution Control Board.</p>		<p>Date: 27/11/2025</p>
15	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.</p>
<p>PPs Submission: Complied The mining operation is being restricted to above ground water table and there is no intersection of groundwater table at any point of time.</p>		<p>Date: 27/11/2025</p>
16	<p>MISCELLANEOUS</p>	<p>The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.</p>
<p>PPs Submission: Complied The entire fund required was met from the companys own, internally accrued funds. Hence, the requirement of informing the date of financial closure and the approval of the project to the Regional Office of the MOEFCC, Chennai does not arise.</p>		<p>Date: 27/11/2025</p>
17	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for</p>

		regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
<p>PPs Submission: Complied</p> <p>There is no disturbance to any water bodies in and around the village and we harvest the rainwater by deepening sump in the pit. The periodic monitoring, at least four times in a year as stipulated was carried out. The data thus collected was submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office at Chennai, State Ground Water Board.</p>		<p>Date: 27/11/2025</p>
18	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
<p>PPs Submission: Complied</p> <p>Regular monitoring of ground water level and quality is being carried out in and around the Mining Lease Area by establishing a network of existing wells and with installed Piezometers. (Annexure-09) The periodic monitoring, at least four times in a year as stipulated was carried out. The data thus collected was submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office at Chennai, Central Ground Water Authority and the Regional Director, Central Ground Water Board / State Pollution Control Board.</p>		<p>Date: 27/11/2025</p>
19	WATER QUALITY MONITORING AND PRESERVATION	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallah's existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
<p>PPs Submission: Complied</p> <p>Regular monitoring of ground water level and quality was carried out in and around the Mining Lease Area by establishing a network of existing wells and with installed Piezometers. (Annexure-09) The periodic monitoring of water quality, at least four times in a year as stipulated was carried out and consolidated report is enclosed as (Annexure-03) The data thus collected was submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office at Chennai, Central Ground Water Authority and the Regional Director, Central Ground Water</p>		<p>Date: 27/11/2025</p>

Board/State Pollution Control Board.		
20	WATER QUALITY MONITORING AND PRESERVATION	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
PPs Submission: Complied The domestic effluent generated was treated in installed septic tank, followed by dispersion trench. Dimension of the septic tank (5.6X2.15X1.3) and Dispersion trench (3X2.4X1) was provided. There is no generation of effluent water from mining and there is no discharge of polluted water from leasehold. Hence, the need to monitor the effluent is not envisaged.		Date: 27/11/2025
21	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
PPs Submission: Complied Rainwater harvesting measures like garland drains/catch drains were provided to divert and collect the rainwater in the mine pit sump at the bottom most bench and augment groundwater resources. (Annexure 10)		Date: 27/11/2025
22	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
PPs Submission: Complied No workshop has been planned within the Mine Lease Area. Mining operations do not generate any waste water. Hence, the requirement of providing oil and grease trap is not envisaged.		Date: 27/11/2025
23	WATER QUALITY MONITORING AND PRESERVATION	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
PPs Submission: Complied Condition noted.		Date: 27/11/2025
24	Noise Monitoring & Prevention	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
PPs Submission: Complied No blasting activities involved during mineral excavation, only Non-conventional mining methodology adopted, hence peak particle velocity is not applicable.		Date: 27/11/2025
25	Noise Monitoring & Prevention	The illumination and sound at night at project sites disturb the

		villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
<p>PPs Submission: Complied There is no mining activity beyond the day light hours. Thus ensured the biological clock of the villages is not disturbed because of the mining activity. Workers engaged in the operations of HEMM were provided with ear plug/muff. The heavy mining equipment was provided with sound proof cabins for operators. Measures like silencer, greenbelt along the boundary of the mining lease area are being provided.</p>		<p>Date: 27/11/2025</p>
26	Noise Monitoring & Prevention	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/ laborers are working without personal protective equipment.
<p>PPs Submission: Complied Measures like silencers, greenbelt along the boundary of ML Area, etc., are provided and Mining Machinery and Vehicles were maintained properly for controlling noise level below 85 dBA in the work environment. A consolidated report is enclosed as (Annexure-02). Noise monitoring carried out periodically. Ear Plugs/Muffs were provided to the operators of HEMM. (Annexure 11). Also necessary safety training to all the Mine workers.</p>		<p>Date: 27/11/2025</p>
27	MINING PLAN	The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management , O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.
<p>PPs Submission: Complied No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment, Forests and Climate Change. No change in the calendar plan including excavation, quantum of mineral Limestone and Marl and waste was made without getting prior approval from concerned authorities.</p>		<p>Date: 27/11/2025</p>
28	MINING PLAN	The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining &Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.

<p>PPs Submission: Complied A Final Mine Closure Plan along with details of Corpus Fund will be submitted to the Ministry of Environment ,Forest and Climate Change, prior to the final mine closure for approval.</p>		<p>Date: 27/11/2025</p>
29	MINING PLAN	<p>The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.</p>
<p>PPs Submission: Complied We are carrying out the mining activities as per approved Mining Plan. Compliance statement is submitted to the MoEFCC half yearly.</p>		<p>Date: 27/11/2025</p>
30	LAND RECLAMATION	<p>The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/ circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.</p>
<p>PPs Submission: Complied The Overburden is being backfilled and used for green belt development. (Annexure -12)</p>		<p>Date: 27/11/2025</p>
31	LAND RECLAMATION	<p>The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.</p>
<p>PPs Submission: Complied No Reject/waste was generated during the Mining Operation.</p>		<p>Date: 27/11/2025</p>
32	LAND RECLAMATION	<p>The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.</p>
<p>PPs Submission: Complied No waste being generated during the Mining Operation. Overburden will be simultaneously backfilled and afforestation will be developed.</p>		<p>Date: 27/11/2025</p>
33	LAND RECLAMATION	<p>The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.</p>

<p>PPs Submission: Complied Proper slope has been maintained and native species saplings were planted to avoid the erosion and surface runoff.</p>		<p>Date: 27/11/2025</p>
34	LAND RECLAMATION	The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC.
<p>PPs Submission: Complied No waste was generated during the Mining Operation. Hence this condition does not applicable.</p>		<p>Date: 27/11/2025</p>
35	LAND RECLAMATION	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
<p>PPs Submission: Complied We have constructed Catch drains, settling tanks and siltation ponds around the mine working, mineral yards and Top Soil/OB/Waste dumps. The collected water is being utilized for watering the mine area, roads, green belt development, plantation etc. (Annexure 13)</p>		<p>Date: 27/11/2025</p>
36	LAND RECLAMATION	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
<p>PPs Submission: Complied We have constructed Garland drain, around the mine pit and OB dumps to prevent storm run-off. which is being directed to settling pond. Finally, water will over flow into adjoining storm water channel. Kindly refer (Annexure 10 and 13), which is enclosed.</p>		<p>Date: 27/11/2025</p>
37	LAND RECLAMATION	The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.
<p>PPs Submission: Complied The top soil is stored at earmarked site only with proper slope and adequate safeguards like retention wall, trenches and gully plugs. The top soil is used for greenbelt development.(Annexure 14)</p>		<p>Date: 27/11/2025</p>
38	GREENBELT	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

<p>PPs Submission: Complied The greenbelt development work is under progress. Herbs and shrubs is also form a part of afforestation programme. Total Mining Lease Area : 67.73 ha Sapling planted during Apr - Sep 25: 607 Nos. Total saplings Planted (Cumulative) : 11,402 Nos Total Covered Area (Ha) : 0.242 Ha Tree Density (planned) : 2500 /ha The native species planted are a. Neem b. Pungan c. Vembu d. Pouvarasa e. Illupai f. Teak g. Tamrind The greenbelt development is carried out progressively as per mining plan and enclosed as (Annexure-12) In addition to the above, we are developing Kurunkadugal scheme as per TN Green Mission guidance in the Lease area. (Annexure-12)</p>		<p>Date: 27/11/2025</p>
39	GREENBELT	<p>The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.</p>
<p>PPs Submission: Complied We have carried out plantation /afforestation in back filled and reclaimed area simultaneously as per mining approved mining plan with consultation Forest Department/Agriculture Department/ Rural development department. The density of the trees 2500 saplings per Hectare is followed as per CPCB guidelines.</p>		<p>Date: 27/11/2025</p>
40	GREENBELT	<p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.</p>
<p>PPs Submission: Complied The grazing land near our mine being provided.</p>		<p>Date: 27/11/2025</p>
41	MISCELLANEOUS	<p>The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.</p>
<p>PPs Submission: Complied Six monthly EC compliance report is being submitted regularly to the Regional Office of MoEFCC, Chennai, CPCB and TNPCCB.</p>		<p>Date: 27/11/2025</p>
42	GREENBELT	<p>The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt. And implemented in consultation with the State Forest and Wildlife Department.</p>
<p>PPs Submission: Complied</p>		<p>Date:</p>

Endangered flora and fauna and Schedule I species not available in our Mining lease area.		27/11/2025
43	GREENBELT	A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.
PPs Submission: Complied Endangered flora and fauna and Schedule I species not available in our Mining lease area.		Date: 27/11/2025
44	PUBLIC HEARING	The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
PPs Submission: Complied A doctor, trained in occupational health is in-charge of the First Aid Centre. Awareness Programme on Occupational Health, Diseases and Safety measures was conducted on regular basis. Occupational health and safety measures for the workers including identification of work related health hazards and the protective measures were ensured. Occupational health surveillance programme of the workers was undertaken periodically to observe any abnormality due exposure to respirable mineral dust and take corrective measures, if needed. Surveillance Health records of the workers are being maintained. Review of impact of various health measures were undertaken (at interval of five years) conducted.		Date: 27/11/2025
45	PUBLIC HEARING	The Project Proponent must demonstrate commitment to work towards `Zero Harm` from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
PPs Submission: Complied For all mining operations, Hazard Identification and Risk Assessment being carried out to identify the Risk and mitigating measures were taken to ensure Zero harm.		Date: 27/11/2025
46	PUBLIC HEARING	The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by

		NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).
<p>PPs Submission: Complied</p> <p>We are following all medical test in Initial medical examination (IME) and Periodical medical examination (PME). Awareness Programme on Occupational Health, Diseases and Safety measures are conducted on regular basis. Occupational health and safety measures for the workers including identification of work related health hazards and the protective measures are ensured. Details enclosed as (Annexure-19). Occupational health surveillance programme of the workers were undertaken periodically to observe any abnormality due exposure to respirable mineral dust and take corrective measures, if needed. Surveillance Health records of the workers is being maintained. Review of impact of various health measures undertaken (at interval of five years) conducted.</p>		<p>Date: 27/11/2025</p>
47	PUBLIC HEARING	The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 - 24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1),Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
<p>PPs Submission: Complied</p> <p>We are following all medical test in Initial medical examination(IME) and Periodical medical examination(PME). Surveillance health records of the workers is being maintained.</p>		<p>Date: 27/11/2025</p>
48	PUBLIC HEARING	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
<p>PPs Submission: Complied</p> <p>Personnel working in the mine are given adequate training, information on safety and health aspects and provided with required Personal Protective Equipment (PPE). Occupational health surveillance program of the workers being are undertaken periodically to observe any abnormality due to exposure to dust and take corrective measures, if needed.</p>		<p>Date: 27/11/2025</p>
49	PUBLIC HEARING	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed

		after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
PPs Submission: Complied Only the construction of toilet and septic tank and an office shed is involved. The workers from nearby the villages were engaged. No housing for the construction labourers is envisaged. However, safe drinking water, medical health care etc., is ensured for the Mine labourers.		Date: 27/11/2025
50	PUBLIC HEARING	The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.
PPs Submission: Complied Public hearing points are addressed from CER fund and report being submitted to the Ministry.		Date: 27/11/2025
51	Corporate Environmental Responsibility	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
PPs Submission: Complied Budget earmarked for the CER will not be used for any other purpose. We have been completing the CER proposal as directed in the EC in phased manner. The necessary abstract, proof and photos are enclosed as (Annexure-15)		Date: 27/11/2025
52	Corporate Environmental Responsibility	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office.
PPs Submission: Complied The funds earmarked for environmental protection measures are kept in separate account and used to implement the Environment Management Plan as furnished in the EIA Report.		Date: 27/11/2025
53	MISCELLANEOUS	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
PPs Submission: Complied We prepared a digital map of the entire lease area and report was submitted to Regional Office of the MoEF&CC.		Date: 27/11/2025
54	MISCELLANEOUS	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.

<p>PPs Submission: Complied A separate environmental management cell formed to carry out various activities related to Environment under the control of the Plant Head. Report enclosed as Annexure-16.</p>		<p>Date: 27/11/2025</p>
55	MISCELLANEOUS	<p>The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.</p>
<p>PPs Submission: Complied Full cooperation is extended to the officer (s) of the Regional Office by furnishing: the requisite data / information / monitoring reports.</p>		<p>Date: 27/11/2025</p>
56	MISCELLANEOUS	<p>No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a `bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.</p>
<p>PPs Submission: Complied No Transportation of minerals is carried out through village road. An approach road constructed from the mine area to the highways road. Regular water sprinkling being is carried out to control the dust emission. Pollution under control certificate being regularly obtained from the transporters. Pollution under control certificate is enclosed as (Annexure-18)</p>		<p>Date: 27/11/2025</p>
57	MISCELLANEOUS	<p>The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions</p>
<p>PPs Submission: Complied The following control measures are adopted to control the dust level. (Annexure 08) a. Water sprinkling by water tanker on the haul roads within the mine area. b. Covering of materials with tarpaulin before commencement of transport c. Ensuring Speed Control d. Avoiding overloading e. Good maintenance of vehicles and mining machinery There will be no transfer points as no conveyor has been planned.</p>		<p>Date: 27/11/2025</p>
58	Statutory compliance	<p>The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the</p>

		project.
PPs Submission: Complied We have obtained Renewal of No Objection Certificate bearing certificate No. 274/2025 (R-5) dt. 09.04.2025 from Water Resources department, Chennai, for withdrawal of Ground water from own Bore well for 40 KLD and NOC is enclosed as (Annexure-4)		Date: 27/11/2025
59	Statutory compliance	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
PPs Submission: Complied A copy of the Environmental Clearance letter was submitted to Arungal Panchayat.		Date: 27/11/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p style="text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

Chettinad Cement Corporation Private Limited -Arungal Limestone Mine													
Arungal Village , Ariyalur District, Tamilnadu State													
Ambient Air Quality Monitoring- Consolidated Report											Apr 2025 -Sep 2025		
S.No	Location	PM ₁₀ (µg/m ³)			PM _{2.5} (µg/m ³)			SO ₂ (µg/m ³)			NO _x (µg/m ³)		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	View Point	62.6	59.1	60.6	30.1	27.5	28.9	11.5	10.1	10.8	23.4	21.5	22.6
2	Loading area	60.3	56.1	59.0	28.8	27.5	28.2	11.2	9.5	10.3	22.6	18.9	21.0
3	Haul road	58.9	54.9	56.6	27.3	24.9	26.1	10.4	8.8	9.7	23.6	19.8	21.6
4	Dump yard	59.5	56.7	58.2	29.4	26.7	27.6	11.6	9.0	10.3	24.0	19.3	21.1
5	Keelapalur Village	60.3	59.1	59.7	27.1	26.3	26.7	9.6	9.0	9.3	20.9	20.1	20.5
6	Arungal village	58.6	57.3	58.0	27.8	27.4	27.6	10.9	10.3	10.6	19.7	18.6	19.2
7	Sathamangalam Village	59.3	58.4	58.9	28.1	27.5	27.8	9.1	8.6	8.9	22.6	21.8	22.2
8	Karuvidaichery Village	63.5	62.0	62.8	30.4	29.5	30.0	10.8	10.5	10.7	23.1	22.9	23.0
Norm		100 µg/m ³			60 µg/m ³			80 µg/m ³			80 µg/m ³		

for Chettinad Cement Corporation Private Limited



B. Vikram Pyus
Deputy General Manager (Mines)

Chettinad Cement Corporation Private Limited -Arungal Limestone Mine								
Arungal Village , Ariyalur District, Tamilnadu State								
Noise Level Monitoring- Consolidated Report						Apr 2025 -Sep 2025		
S.No	Location	UoM	Day			Night		
			L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
Within the Premises								
1	Mines Office	dB(A)	57.83	60.63	59.23	43.87	46.57	45.20
2	Haul Road	dB(A)	63.90	67.17	65.53	48.20	51.70	44.95
Limit (L _{eq})		dB(A)	85			85		
S.No	Location	UoM	Day			Night		
			L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
Outside the Premises								
1	Arungal Village	dB(A)	50.87	52.93	51.90	40.45	43.37	41.92
2	Karuvidaicheri Village	dB(A)	51.07	53.68	52.38	42.88	43.13	42.20
Limit (L _{eq})		dB(A)	55			45		

for Chettinad Cement Corporation Private Limited



B. Vikram Pyus
Deputy General Manager (Mines)

Chettinad Cement Corporation Private Limited - Arungal Limestone Mine

Arungal Village , Ariyalur District, Tamilnadu State

Ground Water Quality Monitoring Report

Apr 2025 -Sep 2025

S.No	Parameter	UoM	GW1	GW2	SW3	Limit
1	pH	-	7.16	7.11	7.77	5.5 - 9.0
2	Temperature	Deg C	30.25	30.35	31.20	40
3	Particle size for TSS	-	100%	100%	100%	Shall pass 850 micron IS Sieve
4	TSS	mg/l	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	100
5	TDS	mg/l	690.00	680.00	5383.00	2100
6	Chloride as Cl	mg/l	177.00	178.00	1262.50	1000
7	Sulphide as S	mg/l	BLQ	BLQ	BLQ	2
8	Sulphate as SO ₄	mg/l	74.50	79.00	411.50	1000
9	Fluride as F	mg/l	0.20	0.20	1.05	2
10	Sodium	mg/l	44.50	43.50	560.00	-
11	Copper	mg/l	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	3
12	Zinc as Zn	mg/l	BLQ	BLQ	BLQ	1
13	Phenolic compounds as C ₆ H ₅ OH	mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	1
14	Oil & Grease	mg/l	BLQ	BLQ	BLQ	10
15	Boron as B	mg/l	BLQ	BLQ	BLQ	2
16	BOD 3 days 27 ^o C	mg/l	BLQ	BLQ	BLQ	30
17	COD	mg/l	BLQ	BLQ	BLQ	250
18	Total Residual Chlorine	mg/l	BLQ	BLQ	BLQ	1
19	Arsenic as As	mg/l	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	0.2
20	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	2
21	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	2
22	Hexavalant Chromium	mg/l	BLQ	BLQ	BLQ	0.1
23	Lead as Pb	mg/l	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	0.1
24	Selenium as se	mg/l	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	BLQ(LOQ:0.002)	0.05
25	Mercury as Hg	mg/l	BLQ(LOQ:0.0005)	BLQ(LOQ:0.0005)	BLQ(LOQ:0.0005)	0.01
26	Pesticides	mg/l	BLQ	BLQ	BLQ	---
27	Free Ammonia as NH ₃	mg/l	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	5
28	Dissolved Phosphate as P	mg/l	BLQ	BLQ	BLQ	5
29	Total Kieldahl Nitrogen as N	mg/l	BLQ	BLQ	BLQ	100
30	Cyanide as CN	mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)	BDL
31	Nickel as Ni	mg/l	BLQ	BLQ	BLQ	3

GW1: Arungal village

GW 2 : Sathamangalam village

SW3 : Mines Sump Water

BLQ: Below Qualification Limit.

BDL : Below Detectable Level

for Chettinad Cement Corporation Private Limited



B. Vikram Pyus
Deputy General Manager (Mines)



GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT



Kurothi Panguni
Thiruvalluvar Aandu 2056

From:

Er.T.Thamizhselvi, M.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Tharamani, Chennai 600 113.
Phone : 91-44-22542223 (Direct)
91-44-22541526/27(Board)
Email: cegwchennai@gmail.com
Web site: www.groundwatertnpwd.org

To:

**M/s. Chettinad Cements
Corporation (P) Ltd,**
Keelapaluvur Post,
Ariyalur Taluk,
Ariyalur - 621 707.

Lr.No.OT 8/AG-2/274/Renewal of NOC /Trichy/ 2025 dated: 09.04.2025.

Sir,

Sub: "Renewal of No Objection Certificate" for drawal of ground water to **M/s. Chettinad Cements Corporation (P) Ltd**, Arungal Village, Nagamangalam Firka, Ariyalur Taluk, Ariyalur District - 5th Renewal of NOC - Reg.

Ref: 1.This Office Lr.No. OT8/AG-2/375/Renewal of NOC/Trichy/2024 dated:22.05.2024.

2.The firm Renewal of NOC application date:09.01.2025.

3.This Office Lr.No:26DD(G)/AG-III/Renewal of NOC/2024Dt:25.01.2025.

4.SE,GWC,ThanjavurLr.No:88^{CE}/AG/T.F44C(TRY)/NOC/GWC/TNJ/2025 Dt:26.03.2025.

Please find the enclosed "**Renewal of No Objection Certificate**", for drawal of ground water to **M/s. Chettinad Cements Corporation (P) Ltd**, Arungal Village, Nagamangalam Firka, Ariyalur Taluk, Ariyalur District. As per the G.O.(Ms).No 142 PW(R2)Department dt:23.07.2014, NOC should be renewed every year for the water based industries. You are requested to strictly adhere to the quantity permitted and conditions mentioned in the certificate and apply for renewal of NOC before two months from the date of expiry i.e., **19.04.2026** without fail. If you fail to apply for renewal of NOC, it will be treated as "illegal" and informed to District Monitoring Committee to seal the bore well in your unit as per Honourable Madras High Court Orders in WP.No.28535 of 2014 & WP.No.16299/2018.

Enclosure:

1. Renewal of No Objection Certificate & Conditions

**Chief Engineer, WRD, SG&SWRDC,
Tharamani, Chennai-113.**



Certificate No.274/2025 (R-5)

Dated: 09.04.2025

GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT
STATE GROUND & SURFACE WATER RESOURCES DATA
CENTRE CHENNAI – 113
Renewal of No Objection Certificate

This is to certify that "M/s. Chettinad Cements Corporation (P) Ltd", Arungal Village, Nagamangalam Firka, Ariyalur Taluk, Ariyalur District is hereby given the "Renewal of No Objection Certificate", for the drawal of ground water for the total quantity of **40,000 LPD** (Forty Thousand litres per day) for the purpose of "Industrial Domestic" from the Groundwater structure listed below with strict adherence to stipulated conditions.

S.No	Referred GW Structures / S.F.No	Villages/Firka	Latitude	Longitude	Quantity permitted for pumping of ground water in LPD
1.	Tube Well 56/2A	Arungal/ Nagamangalam	11°01'17.30"N	79°05'14.40"E	40,000

This renewal certificate is valid from 20.04.2025 to 19.04.2026 and the Renewal of NOC is issued under the conditions laid down.


**Chief Engineer, WRD, SG&SWRDC,
Tharamani, Chennai-113.**

**5th Renewal of NOC Conditions pertaining to M/s. Chettinad
Cements Corporation (P) Ltd., Ariyalur**

- 1 **This No Objection certificate issued for ground water extraction applies to the referred ground water abstraction structure only.**
- 2 All the **other ground water abstraction structures** (dug wells/bore wells/dug-cum bore wells) other than the permitted one inside the plant area **should not be considered** for this permission.
- 3 Such structures as said in Condition No.2 should be closed or used only for **Rain water harvesting** purposes.
- 4 This Certificate is applicable for drawal of permitted Quantity of ground water only and **not for transportation.**
- 5 The Company should install necessary "flow meters" to the referred well /bore well and monitor the quantity which should not exceed the permitted level. **Proper Records** should be maintained continuously from the date of drawal. Monthly statement of daily drawal of water should be sent to the Executive Engineer, Groundwater Division, Trichy as per format enclosed.
- 6 As and when the officials of Ground Water Wing of WRD inspect the site/premises, perusal of drawal records and water quality observations should be allowed.
- 7 **Rain water harvesting structure** is to be established as per the direction of this department. Rain water harvesting structures already exist inside the plant premises, it should be maintained properly.
- 8 **Violation of the above stipulations in any form may lead to cancellation of the permission accorded by the Government.**
- 9 The Company should be ready to pay the **levy/charges for drawal of ground water** for commercial purposes, if Government / Ground Water Authority imposes any such orders in future.
- 10 As per the G.O.(Ms).No 142 PW(R2)Department dt:23.07.2014, NOC should be renewed every year for the water based industries.
- 11 It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will be vary from permitted quantity.
- 12 The handed over Bore Well to this Department for Water Level monitoring purpose should be maintained properly. The firm has to take the water level in the first week of every month & maintain a monthly water level Register and the Assistant Geologist concerned should monitor the water level data and also check whenever required.
- 13 This No Objection Certificate is applicable **only for the purpose of "Industrial Domestic"**, if any deviation in the usage of ground water is found, the NOC accorded is automatically deemed to be cancelled.
- 14 The **Assistant Director, Groundwater Sub-Division/Assistant Geologist** of the respective District **would inspect** either the rain water harvesting structures established in the premises of the firm or the records maintained or even the drawal of ground water as and when needed and It is the mandatory of the firm to maintain the Rain water harvesting structure/ structures properly and show the records needed.
- 15 **If any information / Documents submitted by this firm is found to false / in correct or any data provided by the firm is found to be incorrect, the NOC issued to the firm will be cancelled by this department without any prior notice.**


**Chief Engineer, WRD, SG&SWRDC,
Tharamani, Chennai-113.**

CAAQ Monitoring Station



AAQ Monitoring Station – External Survey





TEST REPORT - AMBIENT AIR QUALITY SURVEY

ULR No	TC160492500000100F		
Test Report No	040AAQS/2025-26	Date: 14.08.2025	Page 1 of 1

Name and Address of the Industry	M/s. Chettinad Cements Corporation Pvt., Ltd., Arungal Lime Stone Mines, S.F.No. 48/1A1, 48/1A2 & etc., Arungal Village, Ariyalur to Trichy Main Road, Keelapalur, Ariyalur Taluk & District.						
SAMPLE DETAILS							
Product Category	Atmospheric Pollution	Date of survey	19.06.2025				
Sample Name	Ambient Air	Sample Received on	20.06.2025				
Sample Conditions at Receipt	Fit for Analysis	Test Commenced on	20.06.2025				
Sampled by	Lab Authorized Sampler	Test Completed on	20.06.2025				
SAMPLING DETAILS							
Time of survey started in Hrs.	06:00 AM	Time of survey Closed in Hrs.	09:20 PM				
Sampling Procedure	IS 5182 (Part 23) -Respirable suspended Particulate Matter (PM₁₀)						
	IS 5182 (Part 24) – Fine Particulate Matter (PM_{2.5})						
	IS 5182 (Part 2) – Sulphur Dioxide (SO₂)						
	IS 5182 (Part 6) – Oxides of Nitrogen (NO₂)						
Category of the Industry	Red / Large	Consent Order No.	2208243539088				
Meteorological Conditions	Clear sky	Ambient Temperature (°C)	Min	32	Max	36	
Rain Fall (mm)	Nil	Relative Humidity (%)	Min	45	Max	60	
Predominant Wind direction	SW to NE	Mean Wind Speed (Km/hr)	22.0				

CHEMICAL PARAMETERS - AMBIENT AIR QUALITY SURVEY REPORT OF ANALYSIS

Sl. No.	Location (On top of scaffolding near)	Direction	Distance from Source (m)	Height from GL (m)	Test Method			
					IS 5182 (Part 23) -2006	IS 5182 (Part 24) -2019	IS 5182 (Part 2)-2023	IS 5182 (Part 6) -2006
					Pollutants Concentrations (µg/m ³)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1.	NE corner of the mines	NE	500	3.0	76	28	11	16
2.	SE corner of the mines	SE	750	3.0	70	-	10	15
3.	SW corner of the mines	SW	600	3.0	64	18	09	13
4.	NW corner of the mines	NW	900	3.0	69	-	11	15

Remarks:

End of Report

(Handwritten Signature)
22/08/2025

(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

NOTE: The test results relate only to the item tested as received and to the sampling period only. Any unauthorized alteration, forgery, or falsification of the content or appearance of this document is unlawful and will result in legal action against the offenders. The testing activities are performed in permanent facility located at AEL, TNPCB, Trichy.



Tamil Nadu Pollution Control Board,
Advanced Environmental Laboratory,
No: 25, SIDCO Industrial Estate, Thuvakudy, Trichy - 620 015.
[email - aeltry@tnpcb.gov.in]



TEST REPORT – AMBIENT NOISE LEVEL SURVEY

ULR No	TC160492500000101F		
Report No	040ANLS/2025-26	Date : 14.08.2025	Page 1 of 1

Name and Address of the Industry	M/s. Chettinad Cements Corporation Pvt., Ltd., Arungal Lime Stone Mines, S.F.No. 48/1A1, 48/1A2 & etc., Arungal Village, Ariyalur to Trichy Main Road, Keelapalur, Ariyalur Taluk & District.		
SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Date of survey	19.06.2025
Sample Name	Ambient Noise Level	Sampled by	Lab Authorized Sampler
Time of Survey	Day	Meteorological conditions	Clear (Calm)
SAMPLING DETAILS			
Sampling Procedure	IS 9989: 1981		
Category of the Industry	Red / Large	Consent Order No.	220824359088
LOGGING PARAMETERS			
Instrument Used	Casella	Serial No.	0499485
Logging Interval	10 Minutes in each point	Measuring Range	40-130 dB(A)
Weightage	"A"	Mode	Fast
Sound Incidence	Random	Time of survey in Hrs.	11:20 – 12:20

AMBIENT NOISE LEVEL MONITORING - REPORT					
Sl. No.	Location	Duration (min)	Time of Sampling (hrs)	Distance from Source (m)	Test method
					IS 9989 - 1981
					Sound Level dB(A)
					L _{eq}
1.	Near NE corner of mines	10	11:20 – 11:30	550	49.2
2.	Near SE corner of mines	10	11:35 – 11:45	500	51.6
3.	Near SW corner of mines	10	11:45 – 11:55	600	50.7
4.	Near NW corner of mines	10	12:10 – 12:10	600	52.0
5.	Near West corner of mines	10	12:10 – 12:20	900	50.6

Remarks:

End of Report

(Handwritten signature)
22/08/2025

(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

NOTE: The test results relate only to the item tested as received and to the sampling period only. Any unauthorized alteration, forgery, or falsification of the content or appearance of this document is unlawful and will result in legal action against the offenders. The testing activities are performed in permanent facility located at AEL, TNPCB, Trichy.



Tamil Nadu Pollution Control Board,
Advanced Environmental Laboratory,
No: 25, SIDCO Industrial Estate, Thuvakudy, Trichy - 620 015.
[email - aelry@tnpcb.gov.in]

TEST REPORT
INFERENCE REPORT

1. Name and Address of the Industry : M/s. Chettinad Cements Corporation Pvt., Ltd.,
Arungal Lime Stone Mines,
S.F.No. 48/1A1, 48/1A2 & etc.,
Arungal Village,
Ariyalur to Trichy Main Road, Keelapalur,
Ariyalur Taluk & District.
2. Date of Survey : 19.06.2025
3. Category of the Industry : Red / Large
4. Predominant Wind Direction : SW to NE
5. Meteorological conditions : Clear sky

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY:

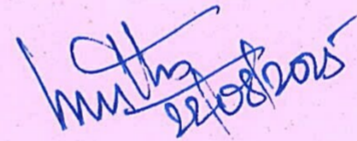
1. Total No. of A.A.Q.S Monitored - 4
2. No. of A.A.Q. Station in which
pollutants level Exceeded the
Boards Standards - Nil

Minimum & Maximum Values of Pollutants Level Observed

Sl.No.	Pollutants Monitored	Pollutants in ($\mu\text{g}/\text{m}^3$)		Boards Standards (As per Consent Order)
		Minimum	Maximum	
1.	Respirable Suspended Particulate: PM_{10}	64	76	100
	Respirable Suspended Particulate: $\text{PM}_{2.5}$	18	28	60
2.	GASEOUS POLLUTANTS			
	SO_2 (Sulphur Dioxide)	09	11	80
	NO_2 (Nitrogen Dioxide)	13	16	80

Remarks:

End of Report



(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

NOTE: The test results relate only to the item tested as received and to the sampling period only. Any unauthorized alteration, forgery, or falsification of the content or appearance of this document is unlawful and will result in legal action against the offenders. The testing activities are performed in permanent facility located at AEL, TNPCB, Trichy.

Dust Suppression

Water Sprinkling & Tarpaulin Cover



Piezometer Monitoring Borewell



GARLAND DRAIN





Noise Monitoring






Green Belt Development





Ariyalur, Tamil Nadu, India 🇮🇳
 Kothari Sugars Weigh Bridge Rd, Tamil Nadu 621707, India, Ariyalur,
 Tamil Nadu 621707, India
 Lat 11.020435° Long 79.088226°
 17/11/2025 11:06 AM GMT +05:30

 தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம் 		
தமிழ்நாடு பசுமை இயக்கம் - குறுங்காடு வளர்ப்பு திட்டம்		
LOCATION: ARUNGAL LIMESTONE MINES		
NAME OF THE PLANT	மரக்கன்றுகளின் பெயர்கள்	NO OF SAPLINGS
NAVAL	நாவல் மரம்	150
PUNGAN	புங்கன் மரம்	200
NEEM	வேப்பமரம்	250
EETIMARAM	ஈட்டி மரம்	250
ILLUPPAI MARAM	இலுப்பை மரம்	150
TOTAL	மொத்தம்	1000


 செட்டிநாடு சிமென்ட் கார்ப்பரேஷன் (பி) லிட. அரியலூர் ஓர்க்ஸ்
 LOCATION: ARUNGAL LIMESTONE MINES

 தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம் 	
தமிழ்நாடு பசுமை இயக்கம் - குறுங்காடு வளர்ப்பு திட்டம்	
இடம்	: பகுதி - 1
திட்டத்தின்பரப்பளவு	: 6.180 ஏக்கர்
அட்சரேகை	: 79.087840 °
தீர்க்கரேகை	: 11.020134 °
மரக்கன்றுகளின் எண்ணிக்கை	: 1000 நம் நாட்டு மரக்கன்றுகள்
திட்டம் தொடக்க நாள்	: 18.10.2023



பசுமை தமிழகம்


 செட்டிநாடு சிமென்ட் கார்ப்பரேஷன் (பி) லிட. அரியலூர் ஓர்க்ஸ்
 LOCATION: ARUNGAL LIMESTONE MINES

SETTLING POND



Top Soil Storage



A Consolidated CER Expenses Report

EC amendment granted by MoEF vide Letter No. J-11015/206/2009 -IA II.(M) dated 01.01.2020 for a Limestone Mining Capacity of 0.8 million ton per annum over a Mining Lease Area of 67.73 ha

CER Budget for Rs. 24 Lakhs - Arungal Mines		CER Budget [inLakh]	Expenses[Rs. In Lakh]				Total Spent
No.	Location		2020-21	2022-23	2023-24	2024-25	
i)	Karaivetti Bird Sanctuary - Protection Measures, Awareness, Development Works & Beautification Works	8.00	0.00	3.00	3.00	2.00	8.00
ii)	De-Silting of Inlet Channels leads to Karaivetti Bird Sanctuary & Rain Water Harvesting Measures	5.00	0.00	0.00	0.00	4.18	4.18
iii)	Infrastructure & Sanitation Developments in Govt. Schools at nearby Villages	8.00	2.00	4.82	2.00	0.00	8.82
iv)	Public Health Centre renovation and Medical Camps in nearby Villages	3.00	0.00	0.00	2.30	0.70	3.00
	Total	24.00	2.00	7.82	7.30	6.88	24.00



Dt.: 22.05.2025

Chettinad Cement Corporation Private Limited, Ariyalur Works
[Cement Plant, Captive Power Plant & Lime Stone Mines]

Internal Circular

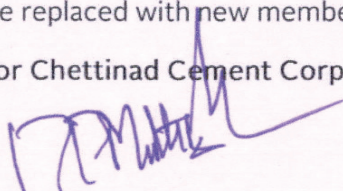
Sub: Environment & Safety Management Cell committee

Environment & Safety Management cell members is formed to take care of Environment safe guards measures in the Plant & Lime Stone Mines area. Now, the committee members are revised and listed below.

S.No.	Name of the Executive	Designation
1	Shri. R.P. Muthiah	Chairman & Plant Head
2	Shri. M. Jagadeesan	Vice Chairman & Operation Head
3	Shri. V. Ramesh	Secretary & Environment Head
4	Shri. P.L. Muthukaruppan	Accounts Head
5	Shri. M.A. Rajavel	HR Head
6	Shri. L.V. Senthil Kumar	Electrical Head
7	Shri. N. Senthil Kumar	QUAS Dept.
8	Shri. K. Girisan	CPP Head
9	Shri. P. Kanakaraj	Mech-Post Clinkerisation Head
10	Shri. M. Radhakrishnan	Mech-Pre Clinkerisation Head
11	Shri. J. Meenakshi Sundaram	Civil Head
12	Shri. B. Vikrampyus	Mines Head
13	Shri. P. Dinesh Kumar	Instrumentation Dept.
14	Shri. S. Pitchaimani	Safety Head
15	Shri. M. Raja Chidambaram	Public Relations Officer(PRO)
16	Shri. Dr. J. Sherwin	Medical Officer

Note- Committee will be revised after three years. Changes in the members if any to be replaced with new members within 15 days period.

for Chettinad Cement Corporation Private Limited


R. P. Muthiah
Vice President [Works]

Mail to: Team Members

Chettinad Cement Corporation Private Limited.

Ariyalur Trichy Road, Keelapalur Post,
Ariyalur Dist - 621707, Tamilnadu, India.
T +91 4329 250009
E : ariyalur@chettinadcement.com
www.chettinad.com

Regd. Office : CIN - U93090TN1962PTC004947

Chettinad Towers,
603, Anna Salai, Chennai - 600 006,
Tamilnadu, India.
T +91 44 28292727, 42951800
F +91 44 28291558

**Arungal Limestone Mines [67.73 Ha]
Compliance of Notification published by MoEF&CC on 12.08.2021
Single Use Plastic Ban Awareness Board installed**



Single Use Plastic Ban Awareness for Arungal Mines Employees & Workers



Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
State Transport Department

Date : **24/03/2025**
Time : **10:43:48 AM**
Validity upto : **23/03/2026**



Certificate SL. No. : TN06100090005816
Registration No. : TN61U6747
Date of Registration : 10/Mar/2021
Month & Year of Manufacturing : February-2021
Valid Mobile Number : *****0000
Emission Norms : BHARAT STAGE VI
Fuel : DIESEL
PUC Code : TN0610009
GSTIN :
Fees : Rs.150.0
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.53
This PUC certificate is system generated through the national register of Motor vehicles and does not require any signature.				

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC Operator
60mm x 20 mm

Occupational Health Checkup

