

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

Proposal No	SIA/TN/MIN/293440/2022
Compliance ID	569985178
Compliance Number(For Tracking)	EC/M/COMPLIANCE/569985178/2025
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/KKR /EC Compliance/ Apr'25 – Sep'25/25-26/

28.11.2025

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'25 – Sep'25)
Chettinad Cement Corporation Private Limited – Karuppur Keelapalur Limestone Mine
(26.145 ha) at Karuppur Senapathy & Keelapalur Villages, Ariyalur Taluk & District,
Tamilnadu

Ref: Environmental Clearance granted by SEIAA, Tamilnadu vide Letter No: SEIAA-TN/F. No
3000/2013/EC-40/1(a)/ARY/Extension /2023 dated 08.02.2023

We submit herewith the Six Monthly Environmental Clearance Compliance Report pertaining
to Karuppur Keelapalur Limestone Mine (26.145 ha) at Karuppur Senapathy & Keelapalur
Villages, Ariyalur Taluk & District, Tamilnadu, for the period from Apr'25 – Sep'25.

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. Photo of Water Quality Monitoring | - | Annexure 4 |
| 5. Photo of Piezometer Observation | - | Annexure 5 |
| 6. Photo of Garland drain & Siltation Pond | - | Annexure 6 |
| 7. Photo of AAQ survey | - | Annexure 7 |
| 8. Photo of Top Soil Utilization | - | Annexure 8 |
| 9. Photo of Ambient noise level Monitoring | - | Annexure 9 |
| 10. Photo of Greenbelt development | - | Annexure 10 |

Chettinad Cement Corporation Private Limited.

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Ariyalur Dist - 621707, Tamilnadu, India.
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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
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|--|---|-------------|
| 11. Photo of mineral transportation | - | Annexure 11 |
| 12. Photo of Soil Test & Copy of report | - | Annexure 12 |
| 13. Photo of Green Manure Preparation | - | Annexure 13 |
| 14. Copy of Environment & Safety Management Cell Committee | - | Annexure 14 |
| 15. Photo of Ban Plastic Awareness | - | Annexure 15 |
| 16. Copy of TNPCB AAQ Survey Report | - | Annexure 16 |
| 17. CER Report | - | Annexure 17 |
| 18. Copy of Flora Fauna study report | - | Annexure 18 |

Kindly acknowledge the receipt of the same.

Yours faithfully,
for Chettinad Cement Corporation Private Limited

R. P. Muthiah
Senior Vice President (Works)

Copy to:

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

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

Proposal Name	Environment clearance of Karuppur Kilapaluvur Limestone Mine in the extent of 26.145 ha of Karuppur Karuppur Senapathy and Karuppur Kilapalur villages, Ariyalur district, Tamilandu		
Name of Entity / Corporate Office	Chettinad Cement Corporation Private Limited		
Village(s)	N/A		
District	Ariyalur		
Proposal No.	SIA/TN/MIN/293440/2022	Category	Non-Coal Mining
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	TAMIL NADU	Entity's PAN	*****3130A
MoEF File No.	3000/2013	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	25.20	25.2
Revenue Land	0.945	0.945
Forest	0	0
Others	0	0
Total	26.145	26.145

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Lime Stone and Marl	Million Tons per Annum (MTPA)	31/03/2026	0.634326	0.098342	0.634326

Conditions

General Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
PPs Submission: Complied Required Landscape activities being followed as per mining plan approved by IBM. Hence, least disturbance to landscape is being ensured.		Date: 25/11/2025
2	MISCELLANEOUS	Intensive mining activity should not add to temperature rise and global warming.
PPs Submission: Complied No Intensive mining activities is being carried out.		Date: 25/11/2025
3	ENERGY PRESERVATION MEASURES	Operations should not result in GHG releases and extra power consumption
PPs Submission: Complied Non - Conventional mining method is being practiced, using HEMM only. No electricity being used for the mining activities.		Date: 25/11/2025
4	Statutory compliance	The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.
PPs Submission: Complied Full and effective implementation of all the undertakings given in the Application Form, Prefeasibility Report, mitigation measures as assured in the EIA and EMP and the mining features including Progressive Mine Closure Plan is being complied.		Date: 25/11/2025
5	Statutory compliance	All the conditions as presented by the proponent in the PPT during SEAC appraisal should be addressed in Full.
PPs Submission: Agreed to Comply Conditions noted and being addressed regularly		Date: 25/11/2025
6	Statutory compliance	The proponent shall submit Compliance Reports on the status of compliance of the stipulated EC conditions including results of monitored data. It shall be sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA).
PPs Submission: Complied The six monthly report on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) is being submitted to the Regional Office of the MoEFCC, Chennai, and also to the Office of State		Date: 25/11/2025

Environment Impact Assessment Authority (SEIAA).		
7	Statutory compliance	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
PPs Submission: Agreed to Comply Conditions Noted		Date: 25/11/2025
8	Statutory compliance	Applicable Regulatory Frameworks The project proponent shall strictly adhere to the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation and Development Rules. 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules. 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the Biological Diversity Act, 2002 and Biological diversity Rules, 2004 and Rules made there under and also any other orders passed by the Honorable Supreme Court of India/Honorable High Court of Madras and any other Courts of Law relating to the subject matter.
PPs Submission: Complied All applicable regulatory framework is being followed regularly. Environment and safety Management cell formed and enclosed as Annexure-14		Date: 25/11/2025
9	MINING PLAN	Safe mining Practices The AD/DD, Dept. of Geology and Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research and Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
PPs Submission: Complied AD, Dept. of Geology and Mining, Ariyalur inspected the mines and observed that there is no waste dump in the mine to conduct the slope stability.		Date: 25/11/2025
10	MINING PLAN	The AD/DD, Dept. of Geology and Mining Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as recommended in the scientific slope stability study of the reputed research and Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.
PPs Submission: Complied AD Dept. of Geology and Mining and Director General of Mine safety officials were periodically inspecting the mine to ensure strict compliance to avoid untoward accidents.		Date: 25/11/2025
11	MINING PLAN	A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.
PPs Submission: Complied A minimum buffer distance specified as per existing rules and statutory orders has been maintained		Date:

as per recommendations in EC.		25/11/2025
12	WATER QUALITY MONITORING AND PRESERVATION	Water Environment - Protection and mitigation measures The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
PPs Submission: Complied We ensure that, the mining activity never intersect the groundwater table. No activity is being carried out to disturb the water bodies and natural flow of surface and ground water.		Date: 25/11/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
PPs Submission: Complied Piezometer has been installed to monitor of well water levels. The monitoring water qualities of wells in the locations were being carried out by NABL recognized third party laboratory viz. M/s SMS Labs and Services pvt Ltd. The monitored data shows that the values were within the limits. The results were submitted to the Regional Office of the MoEFCC, Chennai and SEIAA, Chennai. (Annexure -4)		Date: 25/11/2025
14	WATER QUALITY MONITORING AND PRESERVATION	Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
PPs Submission: Complied Piezometer has been installed to monitor of well water levels. (Annexure-5)		Date: 25/11/2025
15	WATER QUALITY MONITORING AND PRESERVATION	Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.
PPs Submission: Complied Accumulated water in sump area is being used for dust suppression and plantation purpose only and water quality being monitored regularly by the External agency and enclosed as Annexure-3		Date: 28/11/2025
16	WATER QUALITY MONITORING AND PRESERVATION	Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR! TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
PPs Submission: Complied In mines, the rain water stored in sump area is used for recharge of ground water and used for the green belt development, dust suppression purpose. Solar powered traffic signal lights in Public road connectivity areas are installed.		Date: 25/11/2025
17	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
PPs Submission: Complied The regular monitoring of ground water level being monitored by installed piezometers enclosed as		Date:

Annexure-5. Periodical Quality of water being monitored by engaging external lab and report is enclosed in Annexure-3.		28/11/2025
18	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
PPs Submission: Complied Regular monitoring of Water levels and quality being carried out. Our mining activity has not intersected the groundwater table. At any stage, if it is observed that ground water table is depleted due to mining activity necessary corrective measures will be carried out immediately.		Date: 25/11/2025
19	WATER QUALITY MONITORING AND PRESERVATION	Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.
PPs Submission: Complied Garland drains all along the mine periphery and two nos. of silt traps were provided to channelize storm water. Regular de-silting activity is adopted. A labour specially assigned for the purpose. No discharge of water from quarry is done. (Annexure 6)		Date: 25/11/2025
20	AIR QUALITY MONITORING AND PRESERVATION	Air Environment - Protection and mitigation measures The activity should not result in CO2 release and temperature rise and add to micro climate alternations.
PPs Submission: Complied Monitoring of Ambient Air Quality at four different locations within the premises is being carried out by NABL recognized third party laboratory. The monitored data show that the values were within the limits. (Annexure 7)		Date: 25/11/2025
21	AIR QUALITY MONITORING AND PRESERVATION	The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area
PPs Submission: Complied Except mineral excavation, no other activity involved in the mining area. During HEMM vehicle operation, ambient air quality is being monitored periodically by TNPCB is enclosed (as Annexure-16)		Date: 25/11/2025
22	AIR QUALITY MONITORING AND PRESERVATION	The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.
PPs Submission: Complied Monitoring of Ambient Air Quality at four different locations within the premises is being carried out by NABL recognized third party laboratory viz. M/s SMS Labs and Services pvt Ltd . The monitored data show that the values were within the limits. The results were submitted to the Regional Office of the MoEFCC, Chennai and SEIAA, Chennai. Also no blasting activities involved during mineral excavation, only Non-conventional mining methodology adopted.		Date: 25/11/2025
23	LAND RECLAMATION	Soil Environment - Protection and mitigation measures The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.

<p>PPs Submission: Complied Collection of soil samples and analysis of soil Quality at an interval of once in a year is being carried out by NABL recognized third party laboratory viz. M/s SMS Labs and Services pvt Ltd . The monitored data shows that there is no change in biological properties of the soil report is enclosed. (Annexure-12).</p>		<p>Date: 25/11/2025</p>
24	LAND RECLAMATION	The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the my coryzal fungi, soil organism, soil community nor result in eutrophication of soil and water.
<p>PPs Submission: Complied There is no depletion of the indigenous soil seed bank and no disturbance in the my coryzal fungi, soil organism, soil community nor result in eutrophication of soil and water.</p>		<p>Date: 25/11/2025</p>
25	LAND RECLAMATION	The activities should not disturb the soil properties and seed and plant growth.
<p>PPs Submission: Complied No disturbance in the soil properties, seed and plant growth. Soil amendments being carried out to improve soil health by organic manure report enclosed. (as Annexure-13).</p>		<p>Date: 25/11/2025</p>
26	LAND RECLAMATION	Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
<p>PPs Submission: Complied Bio remediation using microorganisms is being carried out to improve the soil environment by using bio fertilizers.</p>		<p>Date: 25/11/2025</p>
27	LAND RECLAMATION	The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermi-composting, Bio fertilizers to ensure soil health and biodiversity conservation.
<p>PPs Submission: Complied The mine restoration is being done by using mycorrhizal VAM, vermi-composting, Bio fertilizers to ensure soil health and biodiversity conservation.</p>		<p>Date: 25/11/2025</p>
28	LAND RECLAMATION	The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
<p>PPs Submission: Complied The generated topsoil is utilized for plantation activities in mined out pits as per the IBM approved mining plan.</p>		<p>Date: 25/11/2025</p>
29	LAND RECLAMATION	The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
<p>PPs Submission: Complied The topsoil is utilized for site restoration and greenbelt development as per the IBM approved mining plan. (Annexure 8)</p>		<p>Date: 25/11/2025</p>
30	LAND RECLAMATION	The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. Tue OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire

		excavated area shall be backfilled.	
<p>PPs Submission: Complied The top soils generated during the mining activity were being used for land reclamation and plantation as per the IBM approved mining plan. No waste dumps were planned throughout the life of the mine and waste thus generated during the mining activity were utilized for back filling of mined out pits . Garland drains/Catch drains around the mine working pit, top soil dumps, and two no's of siltation ponds were constructed to prevent runoff water and flow of sediments. (Annexure 6).</p>			Date: 25/11/2025
31	Noise Monitoring & Prevention	Noise Environment - Protection and mitigation measures. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	
<p>PPs Submission: Complied No blasting activities involved during mineral excavation, only Non-conventional mining methodology adopted, hence peak particle velocity is not applicable.</p>			Date: 25/11/2025
32	Noise Monitoring & Prevention	The sound at project sites disturbs 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. Hence, the PP shall ensure that the biological clock of the villages is not disturbed because of the mining activity.	
<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. Workers engaged in the operations of HEMM were provided with ear plug/muff, sound proof cabins, Measures like silencer, greenbelt along the boundary of the mining lease area were provided. Ambient Noise level being monitored periodically and enclosed as Annexure-9</p>			Date: 25/11/2025
33	MISCELLANEOUS	Biodiversity - Protection and mitigation measures. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land water, soil and biological environment and other natural resources due to the mining activities.	
<p>PPs Submission: Complied No dumps were planned throughout the life of the mines Waste was backfilled /refilled in the mined out area as per the IBM approved mining plan. Top soil is utilized for Plantation activities in the safety zone and backfilled pits. Ensured that there is no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.</p>			Date: 25/11/2025
34	MISCELLANEOUS	No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora and fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.	
<p>PPs Submission: Complied</p>			Date:

<p>Since the mine is being operated from 2019, all the trees were transplanted. Ensured that there is no disturbance to forest trees in the vicinity, no disturbance in the movement of grazing animals and free ranging wildlife, no disturbance in the biodiversity, the flora and fauna in the ecosystem, no disturbance in the resident and migratory birds, no disturbance in the vegetation and wildlife in the adjoining reserve forests and areas around.</p>		25/11/2025
35	MISCELLANEOUS	The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
<p>PPs Submission: Complied Actions taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort by planting more native species in and around mine area.</p>		Date: 25/11/2025
36	MISCELLANEOUS	The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area
<p>PPs Submission: Complied The monitoring of Bio-diversity around the project site being taken up and for its protection. The Bio-diversity study conducted and report is enclosed in the Annexure-18</p>		Date: 25/11/2025
37	MISCELLANEOUS	The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.
<p>PPs Submission: Complied Ensured that the mining activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.</p>		Date: 25/11/2025
38	MISCELLANEOUS	Climate Change The project activity should not in any way impact the climate and lead to a rise in temperature.
<p>PPs Submission: Complied Ensured that there is no impact on the climate and lead to a rise in temperature. By developing greenbelt zone, increasing rainwater harvesting areas, using alternative fuel, we are reducing the impact on the climate.</p>		Date: 25/11/2025
39	ENERGY PRESERVATION MEASURES	Mining through operational efficiency, better electrification energy use, solar usage, use of renewable energy should try to decarbonize the operations.
<p>PPs Submission: Complied Ensured the usage of best operational efficiency practices. No electrical energy being used. Only solar traffic lights were used.</p>		Date: 25/11/2025
40	ENERGY PRESERVATION MEASURES	Mining Operation should not result in droughts, floods and water stress, and Shortages, affecting water security both on site and in the vicinity.
<p>PPs Submission: Complied Mining Operation is being carried out which will not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.</p>		Date: 25/11/2025
41	ENERGY PRESERVATION MEASURES	Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.

<p>PPs Submission: Complied Rain water harvesting ponds were created to improve the ground water table. (Annexure-6)</p>		<p>Date: 25/11/2025</p>
42	MISCELLANEOUS	Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.
<p>PPs Submission: Complied Suitable drainage systems and arrangement for higher capacity pumps is ensured.</p>		<p>Date: 25/11/2025</p>
43	GREENBELT	Green Belt Development The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.
<p>PPs Submission: Complied Green belt development with more indigenous trees /species is planted. (Annexure 10)</p>		<p>Date: 25/11/2025</p>
44	GREENBELT	The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).
<p>PPs Submission: Complied Restoration and rehabilitation with native trees as recommended in SEAC Minutes is followed.</p>		<p>Date: 25/11/2025</p>
45	MISCELLANEOUS	Workers and their protection: The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.
<p>PPs Submission: Complied The workers from nearby the villages being engaged by providing, safe drinking water, medical health care etc., Workers are trained on the need to use Personal Protective Equipment to safeguard against possible occupational health issues and also on the safe procedures to be followed to prevent accidents.</p>		<p>Date: 25/11/2025</p>
46	MISCELLANEOUS	The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
<p>PPs Submission: Complied Insurance protection to the workers is provided.</p>		<p>Date: 25/11/2025</p>
47	MISCELLANEOUS	The workers shall be employed for working in the mines and the working hours and the wages shall be implemented / enforced as per the Mines Act, 1952.
<p>PPs Submission: Complied The working hours and the wages being implemented / enforced as per the Mines Act, 1952.</p>		<p>Date: 25/11/2025</p>
48	AIR QUALITY MONITORING AND PRESERVATION	Transportation 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>PPs Submission: Complied</p> <p>Transportation of mineral is being carried out by our own concrete road to avoid impact of sound and dust along with chances of accidents. Regular maintenance of roads is carried out by our own arrangement. No overloading was done and ensured. (Annexure 11) Vehicles transporting limestone from mines to the factory were covered with tarpaulin properly so as to arrest the dust particles/fine matters escaping during the course of transportation. Permanent and mobile water sprinkling is being done on haul roads, loading areas etc. at frequent intervals to control fugitive dust emissions. All the vehicles entering into the Mine are checked at the entry point for Pollution Under Control Certificate. Vehicles without Pollution Under Control Certificate are not permitted to entry into the mines.</p>		Date: 25/11/2025
49	AIR QUALITY MONITORING AND PRESERVATION	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 equipment 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>PPs Submission: Complied</p> <p>The Main haulage road within the mine lease was provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease were wetted regularly with tanker-mounted water sprinkling system. No crushing activity is carried out in mines area.</p>		Date: 25/11/2025
50	AIR QUALITY MONITORING AND PRESERVATION	Storage of wastes The project proponent shall store/dump the waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.
<p>PPs Submission: Complied</p> <p>No dumps were planned throughout the life of the mines as per the IBM approved mining plan. Waste was backfilled /refilled in the mined out area as refilling.</p>		Date: 25/11/2025
51	Corporate Environmental Responsibility	"CER/EMP The CER Should be fully Implemented and fact reflected in the Half-yearly compliance report."
<p>PPs Submission: Complied</p> <p>Under CER initiative, we have deposited Rs.10 Lakh consultation with DFO, Ariyalur for Karaivetti Bird sanctuary towards its environmental conservation measures in phased manner from 2023-24 to 2025-26. (Annexure 17) CER Expenses 2023-24 -4.0 Lakhs 2024-25-3.0 Lakhs 2025-26-3.0 Lakhs Total-10 Lakhs</p>		Date: 25/11/2025
52	Corporate Environmental Responsibility	The EMP Shall also be implemented in consultation with local self-government institutions.

<p>PPs Submission: Complied All the environmental protection measures and safeguards as recommended in the EMP report are being implemented in consultation with local self-government institutions.</p>		<p>Date: 25/11/2025</p>
53	Corporate Environmental Responsibility	The follow-up action on the implementation of CER Shall is included in the compliance report.
<p>PPs Submission: Complied The follow-up action on the implementation of CER is included in the compliance report. (Annexure 17)</p>		<p>Date: 25/11/2025</p>
54	LAND RECLAMATION	"Directions for Reclamation of mine sites The mining closure plan should strictly adhere to appropriate soil rehabilitation measures to ensure ecological stability of the area. Reclamation/Restoration of the mine site should ensure that the Geotechnical, physical, chemical properties are sustainable that the soil structure composition is buildup, during the process of restoration."
<p>PPs Submission: Complied Mine closure procedure will be followed as per the approved Mining Plan.</p>		<p>Date: 25/11/2025</p>
55	LAND RECLAMATION	The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.
<p>PPs Submission: Complied Mine closure procedure will be followed as per the approved Mining Plan. The mine restoration will be done with native species, and site restored to near original status at the end of the mine life.</p>		<p>Date: 25/11/2025</p>
56	LAND RECLAMATION	A crucial factor for success of reclamation site is to select sustainable species to enable develops a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
<p>PPs Submission: Complied Reclamation procedure will be followed as per the approved Mining Plan. The mine restoration will be done with native species, and site restored to near original status at the end of the mine life.</p>		<p>Date: 25/11/2025</p>
57	LAND RECLAMATION	For mining area reclamation plot culture experiments to be done to identify/determine suitable species for the site.
<p>PPs Submission: Complied Plot culture experiments will be done to identify/determine suitable species for the site reclamation</p>		<p>Date: 25/11/2025</p>
58	LAND RECLAMATION	Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and

		nitrogen fixing bacteria to be utilized.
<p>PPs Submission: Complied Top soil with a mix of beneficial microbes (Bacteria/Fungi) being implemented for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria will be utilized.</p>		<p>Date: 25/11/2025</p>
59	LAND RECLAMATION	Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
<p>PPs Submission: Complied Soil and moisture conservation and water harvesting structures is being practiced where ever possible.</p>		<p>Date: 25/11/2025</p>
60	LAND RECLAMATION	Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
<p>PPs Submission: Complied Topsoil was used for land reconstruction work into pre mining conditions.</p>		<p>Date: 25/11/2025</p>
61	LAND RECLAMATION	Over burdens may be analyzed and tested for soil characteristics and used in the site for vegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
<p>PPs Submission: Complied Overburden was analyzed and tested and for soil characteristics. Waste thus generated during the mining activity was utilized for back filling of mined out pits</p>		<p>Date: 25/11/2025</p>
62	LAND RECLAMATION	Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
<p>PPs Submission: Complied Re grassing was done in backfilled areas as colonizers and soil binders.</p>		<p>Date: 25/11/2025</p>
63	LAND RECLAMATION	Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Top soils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
<p>PPs Submission: Complied Sufficient care is taken to minimize erosion and runoff. Top soil is stored with precautions and utilized for reclamation process. Stocked topsoil is stabilized by regressing to protect from wind.</p>		<p>Date: 25/11/2025</p>
64	LAND RECLAMATION	Alkaline soils acidic soils Saline soils should be suitably treated/amended using green manure mulches farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for reestablishing the site to pre mining

		conditions. Effective steps should be taken for utilization of overburden. Mine waste to be used for backfilling reclamation restoration and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be ecofriendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
PPs Submission: Complied Green manure, farmyard manure was used to increase the organic carbon. The EMP and mine closure plan will provide adequate budget for reestablishing the site to premining conditions. Mine waste was used for backfilling, reclamation, restoration and rehabilitation of the terrain without affecting the drainage and water regimes. Ecofriendly mining methods are practiced. Annexure 13		Date: 25/11/2025
65	LAND RECLAMATION	Efforts should be taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be resorted to restore the site by adding soil humas and mycorrhiza
PPs Submission: Complied Plantation is practiced with native species. Efforts were taken to improve the mine site aesthetically by planting fruit bearing trees.		Date: 25/11/2025
66	LAND RECLAMATION	Action taken for restoration of the site should be specifically mentioned in the EC compliances.
PPs Submission: Complied Condition noted		Date: 25/11/2025
Visit Remarks		
Last Site Visit Report Date:		13/07/2022
Additional Remarks:		
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.		

ANNEXURE 1

Chettinad Cement Corporation Private Limited -Karuppur Keelapalur Limestone Mine													
Karuppur Keelapalur 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)			NOx (µg/m ³)		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	View Point	64.4	57.5	60.6	31.3	23.9	28.3	11.0	10.4	10.7	24.0	23.1	23.6
2	Loading area	61.8	59.0	60.0	30.7	22.6	27.8	11.2	10.1	10.8	23.1	21.7	22.6
3	Haul road	59.2	55.3	56.8	27.7	18.9	24.6	10.1	8.6	9.4	20.5	18.8	19.4
4	Dump yard	58.5	54.3	57.2	29.0	21.3	26.6	10.4	8.3	9.4	21.3	20.1	20.8
5	Varanavasi Village	55.6	55.6	55.6	27.3	27.3	27.3	9.6	9.6	9.6	19.5	19.5	19.5
6	Keelapalur village	60.5	60.5	60.5	29.0	29.0	29.0	10.3	10.3	10.3	21.7	21.7	21.7
7	Keelaiyur Village	59.1	59.1	59.1	28.6	28.6	28.6	9.0	9.0	9.0	22.9	22.9	22.9
8	Karuppur Village	57.4	57.4	57.4	27.5	27.5	27.5	10.8	10.8	10.8	20.5	20.5	20.5
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 -Karuppur Keelapalur Limestone Mine								
Karuppur Keelapalur 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)	58.2	61.1	59.7	47.6	50.2	48.9
2	Loading Area	dB(A)	65.1	68.3	66.7	51.3	53.5	52.5
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	Keelapalur Village	dB(A)	51.0	53.4	52.2	41.7	43.7	42.6
2	Karuppur Village	dB(A)	50.6	53.0	129.2	41.4	43.7	42.6
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-Karuppur Keelapalur Limestone Mine

Karuppur Senapathy & Keelapalur Village, Ariyalur District, Tamilnadu

Ground Water Quality Monitoring Report (Apr 2025 - Sep 2025)

S.No	Parameter	UoM	GW 1	GW 2	SW 3	Limit
1	pH	-	7.51	7.44	7.53	5.5 - 9.0
2	Temperature	Deg C	30.08	30.05	30.13	40
3	Particle size for TSS	-	100%	100%	100%	Shall pass 850 micron IS Sieve
4	TSS	mg/l	BLQ(OQL:2.0)	BLQ(OQL:2.0)	BLQ(OQL:2.0)	100
5	TDS	mg/l	634.50	701.50	618.00	2100
6	Chloride as Cl	mg/l	196.00	218.00	167.00	1000
7	Sulphide as S	mg/l	BLQ	BLQ	BLQ	2
8	Sulphate as SO ₄	mg/l	122	74.50	65.50	1000
9	Fluride as F	mg/l	0.16	0.30	0.30	2
10	Sodium	mg/l	94.2	50.00	32.00	-
11	Copper	mg/l	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	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	0.025	0.025	0.025	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:0.001)	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	0.2
20	Cadmium as Cd	mg/l	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	2
21	Total Chromium as Cr	mg/l	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	2
22	Hexavalant Chromium	mg/l	BLQ	BLQ	BLQ	0.1
23	Lead as Pb	mg/l	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	0.1
24	Selenium as se	mg/l	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	BLQ(LOQ:0.001)	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	BLQ(DL:0.5)	BLQ(DL:0.5)	BLQ(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	BLQ(DL:0.01)	BLQ(DL:0.01)	BLQ(DL:0.01)	BDL
31	Nickel as Ni	mg/l	BLQ	BLQ	BLQ	3
GW1 Keelapalur						
GW2 Keelapalur Water			BLQ: Below Qualification Limit.			
SW3 mines Sump water			BDL : Below Detectable Level			

for Chettinad Cement Corporation Private Limited



B. Vikram Pyus
Deputy General Manager-Mines

MONITORING THE WATER QUALITY

SMS LABS SERVICES PRIVATE LIMITED
TEST REPORT

TC-6118
Report No : ENQ-250726007-11

 Page 1 of 2
Report Date : 31 Jul 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PVT LTD .(Karuppur Keelapalur LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur Dist-621707.
Sample Name : Water **Sample Quantity :** 5 Ltr+100 mL
Sample Description : Mines Sump Water **Sampling Date :** 25 Jul 2025
Sample Drawn By : Laboratory **Sample Received on :** 26 Jul 2025
Sample Location : Mines Pit Area **Test Started on :** 26 Jul 2025
Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06 **Test Completed on :** 31 Jul 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Biological				
1	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent
Chemical				
2	Nitrate Nitrogen	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	7.2
3	Silica as SiO ₂	IS 3025 (Part 35) - 2024	mg/L	19
4	Sodium as Na	IS 3025 (Part 34) - 1993 (Reaffirmed 2019)	mg/L	26
Clause 4, Table 1 Organoleptic And Physical parameters				
5	Colour	IS 3025 (Part 04) - 2021	Hazen	5
6	Odour	IS 3025 (Part 05) - 2018	--	Agreeable
7	pH Value	IS 3025 (Part 11) - 2022	--	7.45
8	Total Dissolved Solids	IS 3025 (Part 16) - 2023	mg/L	626
9	Turbidity	IS 3025 (Part 10) -2023	NTU	1.9
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts				
10	Ammonia (as Total Ammonia-N)	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.03)
11	Aminoic Detergents (as MBAS)	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)
12	Boron	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.025)
13	Chloride (as Cl)	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	174
14	Copper	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
15	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	0.3


S. Durga bai
Authorized Signatory-Biological


M. Sarathkumar
Authorized Signatory-Chemical


SMS LABS SERVICES PRIVATE LIMITED
TEST REPORT

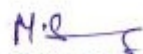
TC-6118
Report No : ENQ-250726007-11

 Page 2 of 2
Report Date : 31 Jul 2025

S.NO	Parameter	Test Method	Unit	Results
16	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)
17	Iron (as Fe)	IS 3025 (Part 53) - 2024	mg/L	BLQ(LOQ:0.05)
18	Magnesium Hardness as CaCO ₃	IS 3025 (Part 46) - 2023	mg/L	57
19	Manganese	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
20	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)
21	Nitrate (as NO ₃)	APHA 24th Edition:4500 NO ₃ B 2023	mg/L	19
22	Phenolic Compound (as C ₆ H ₅ OH)	IS 3025 (Part 43) Sec 1 - 2022	mg/L	BLQ(LOQ:0.001)
23	Selenium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
24	Sulphate (as SO ₄)	IS 3025 (Part 24) Sec 1 - 2022	mg/L	71
25	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	219
26	Total Hardness (as CaCO ₃)	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	184
Clause 4, Table 3 Parameters Concerning Toxic Substances				
27	Arsenic	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
28	Cadmium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
29	Chromium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
30	Cyanide (as CN)	IS 3025 (Part 27) - 1986 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)
31	Lead	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
32	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)
Others				
33	Calcium Hardness (as CaCO ₃)	IS 3025 (Part 40) - 1991 (Reaffirmed 2019)	mg/L	127
34	Conductivity @ 25°C	IS 3025 (Part 14) - 2013 (Reaffirmed 2019)	µS/cm	1096
35	Phenolphthalein Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	BLQ(LOQ:2.0)
36	Total suspended solids (TSS)	IS 3025 (Part 17)-2022	mg/L	BLQ(LOQ:2.0)
Physical				
37	Appearance	APHA 24th Edition:2110-2023	--	Slightly Turbid

Note: BLQ: Below Limit of Quantification LOQ: Limit of Quantification. NTU : Nephelometric Turbidity Units

/***** End of the Report *****/


M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: No 396, Pudukottam, Thiruvallur High Road, Thiruvazhaisi Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.

PIEZOMETER



GARLAND DRAINAGE & SILTING POND





RAINWATER HARVESTING



ENVIRONMENT MONITORING




SMS LABS SERVICES PRIVATE LIMITED
TEST REPORT


TC-6118

Page 1 of 2

Report No. ENQ-250726007-01 to 04

Report Date: 31 Jul 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED(Karuppur Keelapalur LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur Dist-621707.
Name : Air **Sampling Date** : 25 to 26 Jul 2025
Sample Description : Ambient Air Quality – 24 hrs **Sampling Start Time** : 09.30 am to 10.00am
Sample Drawn by : Laboratory **Sample received on** : 26 Jul 2025
Sample procedure : IS 5182 Part V & Part XIV **Test Started on** : 26 Jul 2025
Test completed on : 31 Jul 2025
Relative Humidity : 50% **Ambient Temperature** : 32°C

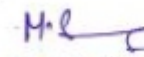
TEST RESULTS

SLNo	Parameters	Test Method	Unit	NAAQ Norms	Quarry Edge/View point	Loading Area	Haul Road	Dump Yard
1.	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	µg/m ³	80	10.6	10.9	9.2	10.4
2.	Nitrogen Dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	µg/m ³	80	23.1	22.8	20.5	21.3
3.	Particulate Matter(PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	µg/m ³	100	64.4	60.6	56.4	57.4
4.	Particulate Matter(PM _{2.5})	IS 5182 (Part 24) - 2019	µg/m ³	60	31.3	29.1	24.7	27.2
5.	Ozone as O ₃ (1hr)	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	µg/m ³	180	BLQ (LOQ:20)			
6.	Lead as Pb	Compendium Method IO - 3.4 - 1999	µg/m ³	1.0	BLQ(LOQ :0.001)			
7.	Carbon Monoxide as CO(8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	mg/m ³	02	BLQ (LOQ:1.14)			
8.	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	µg/m ³	400	BLQ (LOQ:20)			
9.	Benzene (C ₆ H ₆)	SMSLA/GC/SOP/43 - 2024	µg/m ³	05	BLQ(LOQ :1.0)			
10.	Benzo (a) Pyrene (Bap) (Particulate Phase Only)	SMSLA/GC/SOP/46 - 2024	ng/m ³	01	BLQ(LOQ :0.05)			
11.	Arsenic as As	Compendium Method IO - 3.4 - 1999	ng/m ³	06	BLQ(LOQ :0.1)			
12.	Nickel as Ni	Compendium Method IO - 3.4 - 1999	ng/m ³	20	BLQ(LOQ :0.1)			

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion: The above tested sample conforms the NAAQ standards for the above tested parameters.

/***** End of the Report *****/


M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: No 39/6, Paduchatram, Thiruvallur High Road, Thirunadhisi Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Page 2 of 2

Report No. ENQ-250726007-05 to 08

Report Date: 31 Jul 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED(Karuppur Keelapalur LS Mines)
 Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur Dist-621707.
 Name : Air Sampling Date : 25 to 26 Jul 2025
 Sample Description : Ambient Air Quality – 24 hrs Sampling Start Time : 10.15 am to 11.00 am
 Sample Drawn by : Laboratory Sample received on : 26 Jul 2025
 Sample procedure : IS 5182 Part V & Part XIV Test Started on : 26 Jul 2025
 Relative Humidity : 50-52% Test completed on : 31 Jul 2025
 Ambient Temperature : 30-33°C

TEST RESULTS

Sl.No	Parameters	Test Method	Unit	NAAQ Norms	Varanavasi Village	Keelapalur Village	Keelaiyur Village	Karuppur Village
1.	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmend 2022)	µg/m ³	80	9.8	10.9	9.4	11.3
2.	Nitrogen Dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmend 2022)	µg/m ³	80	20.7	22.5	23.3	20.9
3.	Particulate Matter(PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmend 2022)	µg/m ³	100	57.8	62.3	60.5	58.7
4.	Particulate Matter(PM _{2.5})	IS 5182 (Part 24) - 2019	µg/m ³	60	26.5	30.7	29.3	27.1
5.	Ozone as O ₃ (1hr)	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	µg/m ³	180	BLQ (LOQ:20)			
6.	Lead as Pb	Compendium Method IO - 3.4 - 1999	µg/m ³	1.0	BLQ(LOQ :0.001)			
7.	Carbon Monoxide as CO(8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmend 2019)	mg/m ³	02	BLQ (LOQ:1.14)			
8.	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	µg/m ³	400	BLQ (LOQ:20)			
9.	Benzene (C ₆ H ₆)	SMSLA/GC/SOP/43 - 2024	µg/m ³	05	BLQ(LOQ :1.0)			
10.	Benzo (a) Pyrene (Bap) (Particulate Phase Only)	SMSLA/GC/SOP/46 - 2024	ng/m ³	01	BLQ(LOQ :0.05)			
11.	Arsenic as As	Compendium Method IO - 3.4 - 1999	ng/m ³	06	BLQ(LOQ :0.1)			
12.	Nickel as Ni	Compendium Method IO - 3.4 - 1999	ng/m ³	20	BLQ(LOQ :0.1)			

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion: The above tested sample conforms the NAAQ standards for the above tested parameters.

***** End of the Report *****


M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: No 395, Paduchattam, Thiruvallur High Road, Thirumadhurai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



NOISE LEVEL MONITORING

SMS LABS SERVICES PRIVATE LIMITED
TEST REPORT

TC-6118
Report No : ENQ-250726007-09

 Page 1 of 1
Report Date : 31 Jul 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Karuppur Keelapalur L.S Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur Dist-621707.
Sample Description : Source Noise
Sample Procedure : IS 9989

Measurement Date : 25 Jul 2025

TEST RESULTS

Sl.No	Location	Noise Level dB(A)						The Tamil Nadu Factories Rules 1950
		Day Time (06.00-22.00 hrs)			Night Time (22.00-06.00 hrs)			
		Lmin	Lmax	Avg	Lmin	Lmax	Avg	
1	Quarry Edge/View point	53.7	55.6	54.7	48.1	50.8	49.5	85 dB(A)
2	Loading Area	76.5	78.4	77.5	65.5	67.9	66.7	

Conclusion: The above tested sample conforms The Factories Rules 1950 standards for the above tested locations.

/***** End of the Report *****/


M. Sarathkumar
 Authorized Signatory-Chemical

Green Belt Development-Inhouse Nursery Development









TRANSPORTATION OF MINERAL



Soil Monitoring Report





SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT


TC-6118

Page 1 of 1

Report No : ENQ-250623005-07

Report Date : 27 Jun 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (KaruppurKeelapalur LS Mines)
Customer Address : Ariyalur Works, Trichy - Ariyalur Road, Keelapalur, Ariyalur District - 621707.

Sample Name : Soil Sample Description : Soil Sample Drawn By : Laboratory Sample Location : Mines Pit Area Sample Procedure : SMSLA/EN/SOP/006	Sample Quantity : 2 Kg x 1 No Sampling Date : 21 Jun 2025 Sample Received on : 23 Jun 2025 Test Started on : 23 Jun 2025 Test Completed on : 27 Jun 2025
---	---

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Chemical				
1	Calcium as Ca	SMSLA/EN/SOP/25	mg/kg	2111
2	Clay	ASTM D 3398	%	63.3
3	Magnesium as Mg	SMSLA/EN/SOP/26	mg/kg	1360
4	Phosphorus as P2O5	IS 10158	mg/kg	195
5	Potassium as K	IS 10158	mg/kg	1065
6	Sand	SMSLA/EN/SOP/064	%	24.0
7	Silt	SMSLA/EN/SOP/064	%	12.7
8	Sodium as Na	EPA 3050 B	mg/kg	816
Heavy Metals				
9	Lead as Pb	EPA 200.8	mg/kg	6.733
10	Manganese as Mn	EPA 200.8	mg/kg	2.904
11	Zinc as Zn	EPA 200.8	mg/kg	8.128
Physical				
12	Bulk Density	SMSLA/EN/SOP/08	kg/m ³	1420
13	pH at 25°C	IS 2720 (Part 26)	NA	8.29

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

/***** End of the Report *****/


M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvalur High Road, Paduchatram Post, Thiruvazhisi Via, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.

Green manure Preparation





Dt.: 22.05.2025

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

Internal Circular

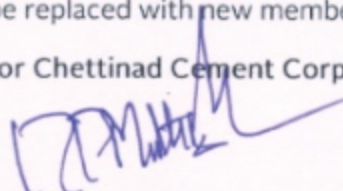
Sub: Environment & Safety Management Cell committee

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

**Karuppur Keelapalur Lime Stone Mines [26.145 Ha]
Compliance of Notification published by MoEF&CC on 12.08.2021
Single Use Plastic Ban Awareness Board installed**





TEST REPORT - AMBIENT AIR QUALITY SURVEY

ULR No	TC160492500000096F	Date: 14.08.2025	Page 1 of 1
Test Report No	038AAQS/2025-26		

Name and Address of the Industry	M/s. Chettinad Cements Corporation Pvt., Ltd., Karuppur – Keelapalur Limes Stone Mines, S.F.No.1/2,1/3C1 & etc., Keelapalur Village, Ariyalur Taluk & District.		
SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Date of survey	18.06.2025
Sample Name	Ambient Air	Sample Received on	19.06.2025
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	Time of survey Closed in Hrs.	02:15
Sampling Procedure	IS 5182 (Part 23) -Respirable suspended Particulate Matter (PM ₁₀)		
	IS 5182 (Part 24) – Fine Particulate Matter (PM _{2.5})		
	IS 5182 (Part 2) – Sulphur Dioxide (SO ₂)		
	IS 5182 (Part 6) – Oxides of Nitrogen (NO ₂)		
Category of the Industry	Red / Small	Consent Order No.	2505257546776
Meteorological Conditions	Clear sky	Ambient Temperature (°C)	Min 32 Max 36
Rain Fall (mm)	Nil	Relative Humidity (%)	Min 46 Max 59
Predominant Wind direction	SW to NE	Mean Wind Speed (Km/hr)	21.5

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	700	3.0	72	28	12	17
2.	SE corner of the mines	SE	500	3.0	66	-	10	15
3.	SW corner of the mines	SW	200	3.0	58	20	08	14
4.	NW corner of the mines	NW	700	3.0	64	-	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 - aetry@tnpcb.gov.in]



Sir pls check the category

TEST REPORT - AMBIENT NOISE LEVEL SURVEY

ULR No	TC160492500000097F	Date : 14.08.2025	Page 1 of 1
Report No	038ANLS/2025-26		

Name and Address of the Industry	M/s. Chettinad Cements Corporation Pvt., Ltd., Karuppur - Keelapalur Limes Stone Mines, S.F.No.1/2,1/3C1 & etc., Keelapalur Village, Ariyalur Taluk & District.		
SAMPLE DETAILS			
Product Category	Atmospheric Pollution	Date of survey	18.06.2025
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.	2505257546776
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.	09:30 - 10:35

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	09:30 - 09:35	700	48.3
2.	Near Eastern corner of mines	10	09:40 - 09:50	400	49.8
3.	Near SE corner of mines	10	09:55 - 10:05	500	50.0
4.	Near SW corner of mines	10	10:10 - 10:20	200	49.7
5.	Near NW corner of mines	10	10:25 - 10:35	700	51.6

Remarks:

End of Report

(Handwritten signature)
22/08/2025

(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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

TEST REPORT
INFERENCE REPORT

1. Name and Address of the Industry : M/s. Chettinad Cements Corporation Pvt., Ltd.,
Karuppur – Keelapalur Limes Stone Mines,
S.F.No.1/2,1/3C1 & etc.,
Keelapalur Village,
Ariyalur Taluk & District.
2. Date of Survey : 18.06.2025
3. Category of the Industry : Red / Small
4. Predominant Wind Direction : SW to NE
5. Meteorological conditions : Clear sky

STATUS OF POLLUTANTS LEVEL

I.AMBIENT AIR QUALITY:

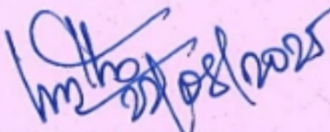
1. Total No. of A.A.Q.S Monitored - 4
2. No. of A.A.Q. Station in which
pollutants level Exceeded the
Boards Standards - Nil

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}	58	72	100
	Respirable Suspended Particulate: $\text{PM}_{2.5}$	20	28	60
2.	GASEOUS POLLUTANTS			
	SO_2 (Sulphur Dioxide)	08	12	80
	NO_2 (Nitrogen Dioxide)	14	17	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.



On 20.05.2025, M/s. Chettinad Cement Corporation Private Ltd., Ariyalur Works has donated a sum of Rs.3.00 lakhs as part of its Corporate Environment Responsibility to for development of Karaivetti Birds sanctuary. The senior officials Mr.M.A.Rajavel – GM(HR) & Mr.R.Rvikumar – DGM(Mines) of our company hand over that cheque to Sri.T.Elangovan, District Forest Officer, Ariyalur.

**FLORA & FAUNA STUDY & BIODIVERSITY
MONITORING REPORT
OF
KARUPPUR KEELAPALUR LIMESTONE MINE
LESSEE
M/S. CHETTINAD CEMENT CORPORATION PVT LTD
EXTENT - 26.145 Ha
IN
KARUPPUR SENAPATHY & KEELAPALUR VILLAGES,
ARIYALUR TALUK & DISTRICT, TAMILNADU.**



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**In Association with
Dr. C. Arivazhagan, Ph.D.,
Managing Trustee
Indo-American Wildlife Society
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CHAPTER – VII

7.0 Summary

Flora and fauna studies were conducted in the Karuppur Keelapalur Limestone mine (Core Zone) and its surrounding environs of 10 kms radius (Buffer Zone), to assess the existing biological diversity in and around the mine leased area.

Secondary data was collected from various departments like forest, irrigation departments and published literature. Phyto sociological studies were conducted in selected locations in and around mine lease area, surrounding villages, open lands, waste lands and forest blocks in study area.

The wide variety of herbaceous members and presence of less number of woody members reflects that the study area is an undisturbed agro climatic ecosystem. Presence of large number of therophytes and phanerophytes (shrubs and trees) indicates tropical vegetation structure. The uniformity of herbaceous members and luxuriant growth of herbal population is due to southwest monsoon and northeast monsoon rains and fertility of soil in the study area.

In total 62 species of flora were recorded in the study area. The alien invasive species *Prosopis juliflora* was found to be the most dominant species in the study area both in core and buffer zones. While other invasive species such as *Acacia auriculiformis*, *Leucaena leucocephala*, and *Cassia siamea* are also found commonly in the study locations indicating the degraded status of the forest habitat.

The results show that the **dominant tree species recorded during the study period was *Tamaridus indica*, *Prosopis juliflora* and *Cassia roxburghii* followed by *Acacia auriculiformis* and *Leucaena leucocephala* etc**

Faunal assessment studies were also conducted during study by primary field surveys and collected data from various sources like forest department, universities and also from published literature.

The faunal community recorded in the study area which are given below **Table No - 13**

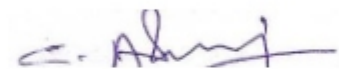
Table No – 13

Faunal Community Recorded in the Core and Buffer Zone

S.NO	FAUNA	NUMBERS IN STUDY AREA
1	Dragon flies and Damsel flies	6
2	Butter flies	22
3	Herpofauna (Amphibians & reptiles)	11
4	Avi fauna (Birds)	25
5	Mammals	8
	Total	72

The leased area Karuppur Keelapalur Limestone mine (26.145 Ha) does not form a part of Wildlife Sanctuary or National Park or Biosphere Reserve or Hotspots within a radius of 10 kms.

Based on our field survey, past records and the available literature, it is clear that the study area does not hold any species peculiar to that area (i.e. no endemic plants) and also it holds least biodiversity importance as it does not contain any threatened or rare plant species. Further, most the area around the project site is composed of human settlement, agriculture area or degraded scrub land. Therefore, the proposed project will not affect any species that are facing a conservation threat and also would not have any drastic effect on the biodiversity of the study location.



Dr. C. Arivazhagan, Ph.D