

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

Proposal No	SIA/TN/MIN/30013/2017
Compliance ID	612248778
Compliance Number(For Tracking)	EC/M/COMPLIANCE/612248778/2025
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/PTK /EC Compliance/Apr'25–Sep'25/25-26/

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'25–Sep'25) Chettinad Cement Corporation Private Limited – Periyathirukonam Limestone Mine (32.295 ha) of Limestone & Marl at Periyathirukonam Village, Ariyalur Taluk & District, Tamilnadu

Ref: Environmental Clearance granted by SEIAA-TN/F No.-6283/ALR/1(a)/EC-4020/2019 dt. 19.08.2019

We herewith submit the Six Monthly EC Compliance Report pertaining to Periyathirukonam Limestone Mine (32.295 ha) at Periyathirukonam Villages, Ariyalur Taluk & District, Tamilnadu, for the period from Apr'25 – Sep'25.

Environmental Monitoring Report comprising of

- | | | | |
|-----|---|---|-------------|
| 1. | Copy of Consent for Establishment | - | Annexure 1 |
| 2. | Copy of Consent to Operate | - | Annexure 2 |
| 3. | Photos of Safety Distance | - | Annexure 3 |
| 4. | Copy of Approved MMP Letter | - | Annexure 4 |
| 5. | Copy of EC Amendment Letter | - | Annexure 4A |
| 6. | Copy of NOC from District Forest Officer | - | Annexure 5 |
| 7. | Copy of EC intimation to Local Panchyat | - | Annexure 6 |
| 8. | Copy of PWD Application for Ground Water
NOC | - | Annexure 7 |
| 9. | Copy of EC advertisement in newspaper | - | Annexure 8 |
| 10. | Copy of Environment & Safety Management
Cell | - | Annexure 9 |

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

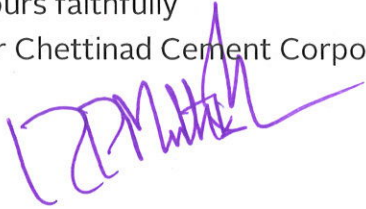
Regd. Office : CIN - U93090TN1962PTC004947

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



- | | | | |
|------|--|---|--------------|
| 11. | Photos of Piezometer station | - | Annexure 9A |
| 12. | Copy of AAQ, Noise, Ground Water Monitoring
- Consolidated report | - | Annexure 10 |
| 13.. | Copy of Ground & Pit Water report | - | Annexure 10A |
| 14.. | Copy of TNPCB AAQ Monitoring Report | - | Annexure 10B |
| 15. | Photos of Fugitive Emission Control | - | Annexure 11 |
| 16. | Copy of Environment Statement – Form V | - | Annexure 11A |
| 17. | Photos of Green Belt Development | - | Annexure 12 |
| 18. | Photos of Pre Medical Examination | - | Annexure 13 |
| 19. | Photos of Garland Drainage & Siltation Pond | - | Annexure 14 |
| 20. | Copy of IMS Policy | - | Annexure 15 |
| 21. | Photos of Medical Facilities at OHC | - | Annexure 16 |
| 22. | Photos of PPE | - | Annexure 18 |
| 23. | Photos of Ban on Single Use Plastics | - | Annexure 18A |
| 24. | Photos of Fencing | - | Annexure 19 |
| 25. | Photos of CSR Activities | - | Annexure 19A |
| 26. | Copy of Bio Diversity Study Report | - | Annexure 20 |

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

Chettinad Cement Corporation Private Limited.

Ariyalur Trichy Road, Keelapalur Post,
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**Half Yearly Compliance Report
2025
01 Dec(01 Apr - 30 Sep)**

Acknowledgement

Proposal Name	Environmental clearance for Periyathirukkonam Limestone Mine over an area of 32.295Ha in Periyathirukkonam Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu		
Name of Entity / Corporate Office	Chettinad Cement corporation Private Limited		
Village(s)	N/A		
District	Ariyalur		
Proposal No.	SIA/TN/MIN/30013/2017	Category	Non-Coal Mining
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	TAMIL NADU	Entity's PAN	*****3130A
MoEF File No.	SEIAA-TN/F.No.6283/ALR/1(a)/EC-4020/2019	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 Apr 2025 to Sep 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	32.295	32.295
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	32.295	32.295

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)	31/03/2026	0.5004	0.366232	0.450232

Conditions

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
PPs Submission: Complied There is no appeal lying with National Green Tribunal (NGT) against this Environmental clearance as on date.		Date: 26/11/2025
2	Statutory compliance	Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu before taking up any construction activity at the site.
PPs Submission: Complied The consent for establishment (CFE) from TNPCB under Air (Prevention and control of pollution) Act, 1981 and Water (Prevention and control of pollution) Act, 1974, vide Proceedings No. T2/TNPCB/F.068ARY/RS/ARY/A/2019 and T2/TNPCB/F.068ARY/RS/ARY/W/2019 respectively, dated 18th October, 2019 (Annexure-1)		Date: 26/11/2025
3	Statutory compliance	"Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA TN.
PPs Submission: Complied We obtained CTO from TNPCB vide ref. No: AIR: 2505257546648 DT: 14.03.2025. WATER: 2505157546648 DT: 14.03.2025. (Annexure -2)		Date: 26/11/2025
4	Statutory compliance	Safety distance of 50m shall be provided from the vari course to the mining lease boundary and this should be monitored continuously by the District Level Task Force.
PPs Submission: Complied We have provided the necessary safety distance of 50 Meter provided to the vari course passing in the south eastern side of the Mines. Photographs showing the safety distance is given in the Annexure-3.		Date: 26/11/2025
5	MINING PLAN	The proponent shall carry out mining activities for the 5 years only for 1874401 Tonnes of Limestone and 325371 Tonnes of Marl as per the mining plan furnished by the proponent. The EC is valid only if the mining plan (including Progressive Mine Closure plan) is approved by the Indian Bureau of Mines or any officers nominated on his behalf.
PPs Submission: Complied Mining activities carried out for 5 years as per the Mining plan. Actual production is 18,12,382 tonnes of Limestone and 2,63,627 Tonnes of Marl. Currently Mining plan approved by IBM for the period 2024 -25 to 2025-26. Approved copy is attached as Annexure 4. Initial EC issued with the validity of 5 years i.e., up to 18.08.2024. Further EC Renewed upto 2028-29 with EC Quantity of 1399307 Tons and Copy Enclosed as Annexure 4A		Date: 26/11/2025
6	MINING PLAN	For the extension of the Environmental Clearance the proponent shall apply for extension of EC within the valid period for the next

		scheme of mining.
PPs Submission: Complied Obtained the EC Extension upto 2028-29. Copy enclosed as Annexure - 4a.		Date: 26/11/2025
7	MINING PLAN	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAL/SEIAA shall be obtained. No change in mining technology and scope of working should be made without prior approval of the State Environmental Impact Assessment Authority. No change in the calendar plan including excavation, quantum of mineral limestone and Marl and waste should be made.
PPs Submission: Complied We have not changed any mining technology and scope of work. No increase in quantum of mineral limestone, Marl and waste from approved mining plan.		Date: 26/11/2025
8	Statutory compliance	The Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority"/before starting any activity at site.
PPs Submission: Complied No Objection Certification from District Forest Officer vide letter No. C No.2928/2017/P dated 23.03.2018, stating that, and "No forest land is involved" was obtained (Annexure-5). No Objection Certification from District Forest Officer vide letter No. C No.2928/2017/P dated 23.03.2018, stating that, and "the project site is located more than 10 km from the Karaivetti bird sanctuary" (Annexure-5). Hence, NOC from NBWL and Forest Clearance is not applicable in this case.		Date: 26/11/2025
9	Statutory compliance	All the environmental protection measure and safeguards as recommended in the EIA report shall be complied with.
PPs Submission: Complied All the environmental protection measures and safeguards as recommended in the EIA reports are being implemented.		Date: 26/11/2025
10	Statutory compliance	Project proponent shall comply with all the guidelines and notifications issued by MoEFCC, New Delhi regarding Mining of Minerals and comply with orders of Hon'ble NGT from time to time regarding mining of minerals under 1(a).
PPs Submission: Being Complied This condition is noted and assured to abide by this conditions		Date: 26/11/2025
11	Statutory compliance	A copy of the clearance letter shall be sent by the proponent to the Local Body, Ariyalur Taluk, Ariyalur District, and the Local NGO, if any, from whom suggestions / representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the Proponent. letter shall also be put on the website of the Proponent.
PPs Submission: Complied A copy of the Environmental clearance letter sent to Local Body, Ariyalur Taluk, Ariyalur District on 24.08.2019. Copy attached as Annexure-6. The EC letter has been uploaded in the company website. https://www.chettinad.com/cementsplants.php?siteAriyalur		Date: 26/11/2025
12	Statutory compliance	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue,

		Services. Department, Hill Area Conservation Authority (HACA), Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
<p>PPs Submission: Complied We have obtained all the required clearances. It was observed that the mining lease area does not fall within 10 km radius of any protected area, Reserved forest or wildlife sanctuaries. Hence clearance under Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972 does not arise. No Objection Certification from District Forest Officer vide letter No. C No.2928/2017/P dated 23.03.2018, stating that, and "No forest land is involved" was obtained (Annexure-5). No Objection Certification from District Forest Officer vide letter No. C No.2928/2017/P dated 23.03.2018, stating that, and "the project site is located more than 10 km from the Karaivetti bird sanctuary"(Annexure-5). An application for NOC from Water Resources Department, Tamil Nadu GWA was applied on 29.03.2017. "(Annexure-7). No storage of diesel in the Mines premises. Clearance from HACA, Civil Aviation department, Coastal regulatory zone authority is not applicable.</p>		Date: 26/11/2025
13	Statutory compliance	All required sanitary and hygienic measures should be in place before starting construction activities and they have to be, maintained throughout the construction phase.
<p>PPs Submission: Complied Currently, The Mine is in Operating phase. However, all required sanitary and hygienic measures was followed during construction activities and maintained throughout the construction activities.</p>		Date: 26/11/2025
14	Human Health Environment	The company shall stress upon the preventive aspects of occupational health.
<p>PPs Submission: Complied Workers are trained in safety on the need to use Personal Protective Equipment viz. safety helmet, goggles, nose mask, hand gloves and safety shoe, to safeguard against possible occupational health issues and also on the safe procedures to be followed to prevent accidents. (Annexure-18)</p>		Date: 26/11/2025
15	Statutory compliance	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
<p>PPs Submission: Complied We constructed Office Shed, Toilet and Septic Tank in this project site. The workers from nearby the villages have been engaged for the same. Hence, housing for the construction labourers is not envisaged. However, safe drinking water, medical health care etc., was ensured for the labourers.</p>		Date: 26/11/2025
16	PUBLIC HEARING	The project authorities should advertise with basic details at least in two widely circulated local newspapers, one of which shall be in the vernacular language of the-: locality concerned, within 7 days of the issue of clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, SEIAA-TN TN and a copy of the same should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai.
<p>PPs Submission: Complied We advertised in English (The New Indian Express) newspaper and Tamil newspaper (Dinamani) on 29.08.2019. The copy of the same is enclosed at Annexure-8. The advertisement has been made</p>		Date: 26/11/2025

<p>within 7 days from the date of receipt of the clearance letter. The copy of advertisement published was submitted to the Regional office of the Ministry of Environment, Forest and Climate Change as part of six monthly compliance report.</p>		
17	PUBLIC HEARING	A separate environment and safety management cell with qualified staff shall be set up before commissioning of construction activities and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.
<p>PPs Submission: Complied A separate Environmental and Safety Cell has been created to take care of EHS function and the Head of the Cell will be directly reporting to the Head of the Organization for complying with environmental and safety regulations and implementing pollution control and occupational health and safety measures. The environment and safety management cell was reconstituted vide internal circular dated 22.05.2025 for a period of three years as per their company policy. (Annexure-9)</p>		Date: 26/11/2025
18	AIR QUALITY MONITORING AND PRESERVATION	The State Pollution Control Board should display a copy of the Environmental Clearance issued to the project at the Regional office, District Industry Centre and the Collector's office/Tahsildar's office for 30 days. The Project Proponent has to conduct Ambient Air Quality survey twice in a week (104 times) in a year and monitor the PM 10 and PM 2.5.
<p>PPs Submission: Complied The TNPCB reportedly displayed a copy of the EC at their Regional Office, District Industry Centre. during mining operations, the periodical monitoring of parameters such as PM2.5, PM10 and NOx in the ambient air within the impact zone is being carried out through NABL recognized third party laboratory viz. M/s SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and SEIAA, Chennai. The copy of the same is enclosed at Annexure-10</p>		Date: 26/11/2025
19	LAND RECLAMATION	A scientific site/ ecological rehabilitation and restoration plan on long term basis should be drawn to carryout restoration With native species and Bio diversity.
<p>PPs Submission: Complied A scientific site/ecological rehabilitation plan was carried out as a part of progressive mine closure plan, which was duly approved by the Indian Bureau of Mines vide letter No.TN/ALR/LST/MMP/- 2117.MDS, dated 09.10.2024.</p>		Date: 26/11/2025
20	GREENBELT	The Green/Blue plan should guide the restoration of the site. The rehabilitation restoration plan should be submitted to SEIAA-TN within one month. If applicable.
<p>PPs Submission: Complied This condition is not applicable for our mine.</p>		Date: 26/11/2025
21	WATER QUALITY MONITORING AND PRESERVATION	The existing water bodies should not be disturbed to ensure sustainable environment for aquatic life forms.
<p>PPs Submission: Complied The water bodies including natural drainage system in the area are not disturbed due to mining activities by taking necessary safety precautions like leaving the safety distance of 50 meter from water bodies Periyapadayachi Eri, Pungudi kuttai and Alagappan kuttai, Varicourse and 50 m safety distance from the maruthiyar river boundary as of now as per the EC condition.</p>		Date: 26/11/2025

22	Statutory compliance	The proponent should completely implement all environmental pollution control measures as detailed in the EIA report and in the additional report.
PPs Submission: Complied We have implemented all environmental pollution control measures like Green belt development, Water spray to control fugitive measures, Regular Environment Monitoring in a effective manner.		Date: 26/11/2025
23	WATER QUALITY MONITORING AND PRESERVATION	Additional sprinklers to be effectively added along the route for transporting limestone from the mines to the plant
PPs Submission: Complied Water tanker used for dust suppression for transporting limestone from the mines to the plant. Photos attached as Annexure 11		Date: 26/11/2025
24	GREENBELT	Avenue plantation wherever needed has to be carried out along the route for dust suppression.
PPs Submission: Complied In addition to the greenbelt development avenue plantation has been undertaken within the ML area to avoid dust suppression. Details of the plantation is given below. FY2019 to 20, 1.16 ha, 2900 nos. FY2020 to 21, 1.86 ha, 4652 nos., FY2021 to 22, 2.32 ha, 4100 nos., FY2022 to 23, 2.32 ha, 4020 nos., FY2023 to 24, 1.41 ha, 2799 nos., FY2024 to 25, 1.03 ha, 2278 nos., FY 2025 to 26, 0.2 Ha 420 nos. Totally 10.30 ha, 21169 nos. planted.		Date: 26/11/2025
25	GREENBELT	The green belt developed for the prevention of dust pollution should not form a part of the larger green belt development envisaged in the EIA report.
PPs Submission: Complied The Mines is in operation phase. Progressive plantation being carried out in the mines boundary areas and safety distance areas and Mines office area and just around the Mines area in order to prevent the dust pollution. Greenbelt photographs shown in Annexure 12		Date: 26/11/2025
26	Human Health Environment	Regular monitoring and check up for pulmonary and carcinogenic diseases to be carried out regularly, not only for the workers involved in the mines but also to the people in the villages adjoining the mines. Interaction with the Primary Health Centre and district medical officer should be on regular basis to monitor the incidence of the diseases if any, and to provide suitable medical facility for the patients.
PPs Submission: Complied Initial and Periodical Medical examination carried out for all the mine employees and periodically as per the consultation with Primary Health Centre and district medical officer, medical camps conducted for the villagers. Annexure 16		Date: 26/11/2025
27	MINING PLAN	As mining operations are Conducted by deploying rock breakers which is bound to produce noise as well as vibration, a survey has to be undertaken for studying the vibrations and remedial action need to be taken to circumvent the noise pollution and dissemination from the source. Vibration studies need to be conducted by a reputed organization like Annamalai University, Anna University, NIT, Trichy. Green barrier needs to be provided between the mine boundary and the nearby habitation to minimize the noise pollution.
PPs Submission: Complied We conducted Vibration studies through Monthly/ Quarterly Monitoring NABL recognized third		Date:

<p>party laboratory viz. Mis SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and SEIAA, Chennai. The copy of the same is enclosed at Annexure-10. Green barrier in the form of Afforestation provided between the mine boundary and the nearby habitation to minimize the noise pollution. Green belt area developed by planting the more indigenous species like Pungan, Vembu, Malai Vembu, Mailkondrai for Biodiversity enhancement Details of plantation is given below. Annexure-12. FY2019 to 20, 1.16 ha, 2900 nos. FY2020 to 21, 1.86 ha, 4652 nos., FY2021 to 22, 2.32 ha, 4100 nos., FY2022 to 23, 2.32 ha, 4020 nos., FY2023 to 24, 1.41 ha, 2799 nos., FY2024 to 25, 1.03 ha, 2278 nos., FY 2025 to 26, 0.2 Ha 420 nos. Totally 10.30 ha, 21169 nos. planted.</p>		26/11/2025
28	GREENBELT	The proponent shall plant the green belt area with more indigenous species for Biodiversity enhancement.
<p>PPs Submission: Complied Green belt area developed by planting the more indigenous species like Pungan, Vembu, Malai Vembu, Mailkondrai for Biodiversity enhancement. Annexure-12</p>		Date: 26/11/2025
29	WATER QUALITY MONITORING AND PRESERVATION	A Report on quality and quantity of ground water to be generated during mining operations should be furnished to the TNPCB for every one year for effective monitoring.
<p>PPs Submission: Complied The monitoring of ground water quality within the locations is being carried out by NABL accredited. And MOEF CC recognized third party laboratory viz M/s SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as a part of six monthly compliance report, TNPCB and SEIAA, Chennai. The copy of the report is enclosed at Annexure-10A</p>		Date: 26/11/2025
30	WATER QUALITY MONITORING AND PRESERVATION	The Comparative statement on normal ground water and mined out water with respect to Qualities and Suitability for agriculture etc should be furnished to the TNPCB for every one year for effective monitoring.
<p>PPs Submission: Complied We are conducting regular quality of Ground water and Mined out water and results of the same compared with standards of agricultural water is being furnished to TNPCB every six month.</p>		Date: 26/11/2025
31	WATER QUALITY MONITORING AND PRESERVATION	Monitoring of water quality and air quality and around the project site in the selected monitoring points as mentioned in the EIA report shall be continued regularly involving Academic Institutions.
<p>PPs Submission: Complied The monitoring of water quality and air quality around the project locations is being carried out by NABL recognized third party laboratory viz. M/s SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and SEIAA, Chennai. The copy of the same is enclosed at (Annexure-10). TNPCB vide letter No.39/AAQS/2025-2026, dated 14.08.2025 has furnished report of analysis of Ambient air quality level in the vicinity of the mines and monitored data shows that the values are within the limits.</p>		Date: 26/11/2025
32	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The periodic monitoring (at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season) shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected

		may be sent regularly to the Ministry of Environment and Forests and its Regional Office, Chennai, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
<p>PPs Submission: Complied</p> <p>Regular monitoring of ground water level and quality carried out in and around the mine lease area by installing the Piezometers (2 Nos) during the mining operation. (Annexure-9A) The periodic monitoring carried out for four times in a year- pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) as per the MOEF and CGWB Norms. An application for NOC from Water Resources Department, PWD (Tamil Nadu GWA) was applied on 29.03.2017.</p>		Date: 26/11/2025
33	WATER QUALITY MONITORING AND PRESERVATION	Hydro geological study including infiltration test shall be conducted by any reputed agency to estimate leachate quantity.
<p>PPs Submission: Complied</p> <p>Hydro geological study including infiltration test was conducted by Centre for Water Resources, Anna University, Chennai. (Annexure-20)</p>		Date: 26/11/2025
34	LAND RECLAMATION	The excess over burden shall not be disposed for any commercial purposes and shall be disposed within the mine lease area only.
<p>PPs Submission: Complied</p> <p>No overburden are being disposed for any commercial purpose and disposed only within the mine lease area.</p>		Date: 26/11/2025
35	AIR QUALITY MONITORING AND PRESERVATION	The critical parameters such as RSPM (PM2.5, PM10) and NOX in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored ((TDS, DO, PH and Total Suspended Solids (TSS)). The Monitored data shall be uploaded on the website of the as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain.
<p>PPs Submission: Complied</p> <p>During mining operations, the periodical monitoring of parameters such as PM2.5, PM10 and NOx in the ambient air within the impact zone is being carried out through NABL recognized third party laboratory viz. M/s SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and SEIAA, Chennai. The copy of the same is enclosed at Annexure-10 TNPCB vide letter No.039AAQS/2025-2026, dated 14.08.2025 has furnished report of analysis of Ambient air quality level in the vicinity of the mines and monitored data shows that the values are within the limits. Treatment of domestic effluent is carried out in septic tank, followed by dispersion trench within the ML area. There is no process effluent generated from the mine pit. The monitored data uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain.</p>		Date: 26/11/2025
36	WATER QUALITY MONITORING AND PRESERVATION	Monitoring of well water levels and water quality of the wells in the locations furnished in the EIA report shall be done during pre monsoon period and results submitted to the regional office MoEF Chennai and SEIAA
<p>PPs Submission: Complied</p> <p>We are monitoring the well water levels and water quality of the wells in the locations is being</p>		Date: 26/11/2025

<p>carried out by NABL recognized third party laboratory viz. M/s SMS Labs Services Pvt. Ltd and has installed two piezometers in the Mines premises. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and SEIAA, Chennai. The copy of the same is enclosed at (Annexure-10A)</p>		
37	AIR QUALITY MONITORING AND PRESERVATION	Data on ambient air quality (RSPM and NOX) shall be regularly submitted to the regional Office of MoEF at Chennai and the SEIAA / SPCB / CPCB once in six months.
<p>PPs Submission: Complied The monitoring of parameters such as PM2.5, PM10 and NOx in the ambient air is being carried out and the monitored data on ambient air quality is being regularly submitted to the SEIAA, TN including the Regional Office of the MoEF and CC located at Chennai, TNPCB and CPCB once in six months</p>		Date: 26/11/2025
38	AIR QUALITY MONITORING AND PRESERVATION	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and at transfer points should be provided and properly maintained.
<p>PPs Submission: Complied Water sprinkling is being done on haul roads, loading areas, etc. at regular intervals to control fugitive dust emission.</p>		Date: 26/11/2025
39	AIR QUALITY MONITORING AND PRESERVATION	Pre Placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
<p>PPs Submission: Complied Pre-placement medical examination and periodical medical examination, for the workers going to be engaged for the mining operations, were carried out and records are being maintained. Photographs showing the same is attached Annexure-13</p>		Date: 26/11/2025
40	Human Health Environment	Regular medical checkup for mine workers and nearby residents around the project site involving community medical centre/IMH shall be conducted.
<p>PPs Submission: Complied The regular medical check-up for mine workers and nearby community (under CSR initiative) around the project site are carried out. Records were made available during the visit.</p>		Date: 26/11/2025
41	Human Health Environment	As per norms, the health study should be conducted through competent / approved health organization and report submitted for one year.
<p>PPs Submission: Complied We are having occupational health center with qualified doctor and necessary facilities are given. Periodical medical examination, for the workers engaged for the mining operations, is being carried out and records are maintained.</p>		Date: 26/11/2025
42	Human Health Environment	Corpus fund created should be prioritized and utilized for health issues.
<p>PPs Submission: Being Complied Conditions noted and will comply.</p>		Date: 26/11/2025
43	LAND RECLAMATION	Mineral handling area shall be provided with adequate number

		of high efficiency dust extraction system. Loading and unloading areas including all transfer points shall also have efficient dust control arrangement. These should be properly maintained and operated.
<p>PPs Submission: Complied</p> <p>Fugitive emission is expected during Mineral Handling, Loading and Unloading are envisaged as it is an Open case mine. While carrying out mining operations, water sprinkling arrangements are provided at frequent intervals to suppress the dust at material handling area and loading and unloading areas.</p>		<p>Date: 26/11/2025</p>
44	AIR QUALITY MONITORING AND PRESERVATION	Vehicular emissions shall be kept under control and regularly monitored. Measured shall be taken for maintenance of vehicle used in mining operations and in transportation within the mine lease shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
<p>PPs Submission: Complied</p> <p>The vehicles entering the Mine are checked at the entry point for Pollution Under Control Certificate. Use of vehicles for mining operations, transportation of mineral and maintenance of vehicles are envisaged only during mining operations. Regular maintenance of vehicles used in mining operations and in transportation of mineral ensured. Vehicles transporting limestone from mines to the factory are covered with tarpaulin properly so as to arrest the dust particles / fine matters escaping during the course of transportation. No overloading is done as informed.</p>		<p>Date: 26/11/2025</p>
45	AIR QUALITY MONITORING AND PRESERVATION	The effective safe guard measures shall be provided to control particulate dust level in Critical areas, transfer points and haul road in the mine area.
<p>PPs Submission: Complied</p> <p>Water sprinkling is being done on haul roads, loading areas, etc. at frequent intervals to control fugitive dust emission No transfer points as mined out material are transported though covered Tipper/Trucks. Annexure-11</p>		<p>Date: 26/11/2025</p>
46	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for monitoring of RSPM (PM2.5, PM10) and NOX. Location of the stations should be decided in consultation with Tamil Nadu pollution Control Board Based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring etc.
<p>PPs Submission: Complied</p> <p>Monitoring of ambient air quality at four different locations within the premises is being carried out through NABL recognized third party laboratory viz. M/s SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and SEIAA, Chennai. The copy of the same is enclosed at Annexure-10. TNPCB vide letter No.039/AAQS/2025-2026, dated 14.08.2025 has furnished report of analysis of Ambient air quality level in the vicinity of the mines and monitored data shows that the values are within the limits. Annexure-10B</p>		<p>Date: 26/11/2025</p>
47	WATER QUALITY MONITORING AND PRESERVATION	NOC from the state GWA for drawing ground water shall be obtained, if ground water table is intersected.
<p>PPs Submission: Complied</p> <p>At present, the mining activity has not intersected the ground water table. The mine workings are restricted as per IBM Approved Mining Plan. However, an application for NOC from Water Resources Department, Tamil Nadu GWA was applied on 29.03.2017.</p>		<p>Date: 26/11/2025</p>

48	LAND RECLAMATION	Separate drain shall be constructed in between waste dump (bund) and nearby river course, if any to avoid silting in the water body.
PPs Submission: Complied There are 3 overburden dumps within the ML area. A separate drain was constructed to avoid silting in the water body.		Date: 26/11/2025
49	LAND RECLAMATION	Garland drains and siltation ponds of appropriate Size shall be constructed around the mine working, soil and mineral dumps to prevent run off of water and flow of sediments. The water so collected shall be utilized for watering the mine area, roads, development etc. The drains shall be regularly desilted, particularly after the monsoon, and maintained properly.
PPs Submission: Complied Garland drains of appropriate size, around the mine working pit, and siltation ponds were constructed to prevent runoff water and flow of sediments. The water diverted and collected in the sump at the bottom most bench of the Mine Pit, utilized for watering the mine area, roads, greenbelt development etc. The drains and siltation ponds will be regularly desilted particularly after monsoon and maintained properly. Photographs showing the garland drains and Siltation pond is attached Annexure 14. No mineral dump as the mined Limestone transported to the Cement Plant without storing at Mine.		Date: 26/11/2025
50	LAND RECLAMATION	The rain water accumulation in the mine during rainy seasons shall be treated by Providing settling tanks in the periphery of the mining lease area and the overflow clean water from the settling tanks shall be allowed to discharge through the first order streams to join nearby natural drains. The settling tanks shall be cleaned periodically for removal of sediments and such records of cleaning shall be maintained properly.
PPs Submission: Complied Garland drains/Catch drains of appropriate size (dimensions: 1330m x 2m x 1.5m) around the mine working pit, and siltation ponds were constructed to prevent runoff water and flow of sediments. The sediments in garland drains and siltation ponds were cleared periodically and records of cleaning are being maintained. This rain water collected in the sump at the bottom most bench of the Mine Pit is discharged through the streams to join nearby natural drains through siltation pond. Photographs showing the streams and garlands are attached as Annexure 14.		Date: 26/11/2025
51	LAND RECLAMATION	Garland drains proposed on the non moving sides of the Dump yards shall be connected to settling tanks to arrest any wash off sediments from the dumps and only overflowing clean water shall be allowed to discharge through the first order streams. The settling tanks shall be of sufficient dimensions to hold the wash offs in one rainy season and has to be cleaned before every rainy season.
PPs Submission: Complied We provided Garland drains along the dumps and connected to settling tanks and clean water overflow only allowed to discharge to nearby natural drains. Settling tank dimensions The settling tanks are regularly desilted, after the monsoon.		Date: 26/11/2025
52	LAND RECLAMATION	Conservation plan furnished to protect the scheduled flora and fauna in the core and buffer zone of the project site shall be implemented. Scheduled species of fauna found in the study area shall be monitored closely.
PPs Submission: Complied No forest area/protected area in the vicinity of ML area. Hence, monitoring of scheduled species of		Date: 26/11/2025

fauna found in the study area does not arise.		
53	LAND RECLAMATION	Annual monitoring on Bio-diversity around the project site shall be conducted and a report shall be furnished.
PPs Submission: Complied The annual monitoring on Bio-diversity around the project site was taken up and reports were submitted to SEIAA during the appraisal process.		Date: 26/11/2025
54	GREENBELT	Greenbelt shall be raised including a 7.5 m wide statutory barrier all around the mining lease, reclaimed and rehabilitated areas around water body, roads etc. by planting the Native species in consultation with the local DFO / Agriculture Department. The ultimate area to be planted afforested shall not be less than 15.993 ha. Greenbelt shall be developed all along the mine lease area in a phased manner as per the approved mining plan.
PPs Submission: Complied Greenbelt raised for a 7.5m width all around the mining lease, in phased manner, by planting native species as per the flora and fauna list obtained from Ariyalur DFO.		Date: 26/11/2025
55	GREENBELT	Green belt shall be provided as per norms of MoEF and CC, GOI in consultation with local DFO.
PPs Submission: Complied Greenbelt raised as per norms of MoEF CC, GOI and as per the flora and fauna list obtained from Ariyalur DFO.		Date: 26/11/2025
56	WATER QUALITY MONITORING AND PRESERVATION	The project authority shall implement suitable water conservation measures including rain water harvesting system to augment ground water resources in the area in consultation with the Regional Director, State Ground Water Board.
PPs Submission: Complied The rain water harvesting pond of dimension 80m x 50m x 2.5m was made and rain water is being collected in the sump at the bottom most bench of the Mine Pit, after settling. The collected water is being used for dust control in haul roads, greenbelt development and domestic purpose within the Mining Lease Area. The water stored in the sump itself is help to augment ground water recharge.		Date: 26/11/2025
57	Corporate Environmental Responsibility	The Company shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/ deviation /violation of environmental or forest norms/ conditions, (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non-compliance violation of environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
PPs Submission: Complied Submitted the Corporate Environmental Policy (CEP) and the salient features of the CEP to MoEF CC, New Delhi, the Regional Office of MoEF CC. Chennai and SEIAA Tamil Nadu, as informed. we Obtained certificate of IMS (integrated Management system) .Annexure -15 in which, Quality, Environment, Energy, Occupational health and safety were covered. Hierarchical system or Administrative order of the company to deal with environmental issues is attached as Annexure 9.		Date: 26/11/2025
58	MINING PLAN	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment and Forests, Government of India, New Delhi in advance of 5 years prior to the

		final mine closure for approval. Mine closure procedure shall be followed as per the approved mining plan.
<p>PPs Submission: Being Complied Conditions noted. The final mine closure plan approved by IBM along with details of Corpus Fund will be submitted to the Regional office of the Ministry of Environment and Forests .</p>		Date: 26/11/2025
59	WATER QUALITY MONITORING AND PRESERVATION	Depth of water table of the wells located inside the mining area and wells located around the monitoring area shall be monitored regularly.
<p>PPs Submission: Complied Two Piezometers are installed to monitor ground water level. Periodical monitoring ground water level being carried out through NABL recognized third party laboratory viz. M/s SMS Labs services Private Limited. The results are being submitted on half yearly basis to MoEF CC, Chennai. Photographs attached as Annexure 9A</p>		Date: 26/11/2025
60	MINING PLAN	Mining should be carried out taking into consideration all aspects of mineral conservation.
<p>PPs Submission: Agreed to Comply All the aspects of mineral conservation have been considered while carrying out the mining operation.</p>		Date: 26/11/2025
61	MINING PLAN	The suitable measures to allow the existing drainage to flow to the nearby area or lake if any stream is found in the near vicinity of the mining area.
<p>PPs Submission: Complied We have provided safety distance of 50 m to the existing vari course located in the East side of the Mines. And there is no other drainages flowing near the vicinity if the Mining area.</p>		Date: 26/11/2025
62	WATER QUALITY MONITORING AND PRESERVATION	Effective water quality management of the surface and ground water quality studies shall be carried out systematically in a sustainable manner to ensure that the ground water quality is neither depleted nor deteriorated.
<p>PPs Submission: Complied Periodical monitoring of surface and ground water quality are being carried out through NABL recognized third party laboratory viz. M/s SMS Labs Services Private Limited. The monitored data, as per report, shows that the values are within the limits. The copy of the same is enclosed at Annexure-10A</p>		Date: 26/11/2025
63	WATER QUALITY MONITORING AND PRESERVATION	The mining activity involves intersection ground water and it was reported that 173 cu.m/day mine seepage water will be Collected in the sump adequate capacity and allowed to settle in the pond. Clear water after meeting the permissible limit of Bureau of Indian standards for drinking and irrigation purpose, bailed out water will be discharged into nearby water bodies for irrigation. For bailing out 173 cu. m/day of mine seepage water, project proponent has to get necessary permission from central ground water authority. If applicable.
<p>PPs Submission: Complied At present, the mining activity has not intersected the ground water table. As and when mining operations reach the ground water, mine seepage water will be collected in a collection and settling tank. the clear water will be allowed to discharge into the nearby water bodies. Further, We applied NOC for dewatering from Water resource organization, PWD, Govt of Tamilnadu on 29.03.2017. The Water Department has replied that they would consider the request after getting the guidelines from Government of Tamilnadu which is under process.</p>		Date: 26/11/2025

64	WATER QUALITY MONITORING AND PRESERVATION	Necessary permission should be obtained from the competent authority for discharge of bailed out water into nearby water bodies for irrigation. After achieving permissible limits of Bureau of Indian standards for drinking and irrigation.
<p>PPs Submission: Complied</p> <p>We have provided Garland drains along the dumps and connected to settling tanks and clean water overflow only allowed to discharge to nearby natural drains / Pond. Periodical monitoring of surface and ground water quality are being carried out through NABL recognized third party laboratory viz. M/s SMS Labs services Private Limited. The monitored data, as per report, shows that the values are within the limits. Further, the we have applied NOC for dewatering from Water resource organization, PWD, Govt of Tamilnadu on 29.03.2017. The Water Department has replied that they would consider the request after getting the guidelines from Government of Tamilnadu which is under process.</p>		Date: 26/11/2025
65	Statutory compliance	All the condition imposed in the proceedings of the commissioner of geology and mining vide R.cNo.7135/MM1/2010 dated 09.01.2017 should be strictly followed.
<p>PPs Submission: Complied</p> <p>All the condition imposed in the proceedings of the commissioner of geology and mining vide R.0 No.7135/MM1/2010 dated 09.01.2017 are being followed strictly.</p>		Date: 26/11/2025
66	MINING PLAN	The limestone and marl produced from the mining lease area will be for captive purpose only.
<p>PPs Submission: Complied</p> <p>The limestone and marl produced from the mining lease area are being used for captive purpose .</p>		Date: 26/11/2025
67	Statutory compliance	Scientific studies related to noise and ground vibration shall be carried out involving reputed government institutions like IIT, NIT, Anna University, Chennai for the usage of rock breakers and to carry out controlled blasting activities in the mine even if sporadically.
<p>PPs Submission: Complied</p> <p>Monitoring of ambient noise levels is being carried out through NABL recognized third party laboratory viz. M/s SMS Labs services Private Limited. The monitored data, as per report, shows that the values are within the limits. The copy of the same is enclosed at Annexure-10. TNPCB vide test report no. 039AAQS/2025-26, 039ANLS/2025-26 dated 14.08.2025 has furnished report of analysis of Ambient Noise level in the vicinity of the mines and monitored data shows that the values are within the limits. Annexure-10 B .Workers engaged in operations of HEMM etc., are provided with ear plugs/muffs. The heavy mining equipments were provided with sound proof cabin for operators. Measures like silencers, greenbelt along the boundary of ML area, etc. are also provided. We conducted vibration studies thru Anna university chennai for the usage of rock breakers.</p>		Date: 26/11/2025
68	Statutory compliance	The executive engineer, PWD/WRD, Marudaiyar Basin Ariyalur vide letter number 37m/DB/F.14(A)/2018 dated 13.02.2018 states that the mining lease area and recommended with a condition of providing 50m for Uppu odai right bank boundary limit, 50m for Marudaiyar river left bank boundary limit, 50m for Periyapadayatcheri boundary limit, 50m for poonkudikuttai boundary limit However the SEAC felt that the 50m, safety distance is not sufficient for Marudaiyar River. Hence, the project proponent has to provide a total of 100m safety distance from boundary of the Marudaiyar River Course this should be ensured by the District level task force.

<p>PPs Submission: Complied We are maintaining 50 m safety distance from the Marudaiyar River Course, 50 m from Uppu odai, Periyapadayahi eri, Poonkudikuttai to the mining pit, as advised.</p>		<p>Date: 26/11/2025</p>
69	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>The study recommended for hydrological modeling and water quality analysis through the centre for water resources (CWR) Anna University, Chennai should be strictly followed. The recommendation are detailed below: a. The mine seepage water will be collected in the sump located in the bottom of the mine pit. This sump will act as the settling pond also. Supernatant clear water confirming to the limit will be pumped out to the nearby tanks. b. Carrying out regular monitoring of mine discharge water quality before discharging into nearby tanks. c. Water chemistry of mine discharge must be carefully considered and suitable in situ water treatment methods should be adopted for the controlling the turbidity, pH and total hardness if needed. d. Piezometer of two numbers (at least) shall be installed by CCCPL in different directions for regular monitoring of the ground water level and its quality during the actual course of mining operations.</p>
<p>PPs Submission: Complied Hydrological modeling and water quality analysis study was conducted through Centre for Water Resources, Anna University, Chennai. a) As and when the seepage rainwater collected during mining operations will be collected in the sump located in the bottom of the mine pit, Supernatant clear water will be pumped out to the nearby tanks through a siltation pond, as recommended. b) Periodical monitoring of water quality are being carried out through NABL recognized third party laboratory viz. M/s SMS Labs services Private Limited. The monitored data, as per report, shows that the values are within the limits. c.) Water chemistry of mine discharge is being carefully monitored. d) Piezometers (2 Nos) are installed in different directions to monitor ground water level. Periodical monitoring of surface water and ground water are being carried out through NABL recognized third party laboratory viz. M/s SMS Labs services Private Limited. The monitored data, as per report, shows that the values are within the limits.</p>		<p>Date: 26/11/2025</p>
70	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Ground water quality monitoring should be conducted every month and the report should be submitted to TNPCB.</p>
<p>PPs Submission: Complied Periodical monitoring of surface water and ground water are being carried out through NABL recognized third party laboratory viz. M/s SMS Labs Services Private Limited. The monitored data, as per report, shows that the values are within the limits. The status reports are also being submitted to TNPCB.</p>		<p>Date: 26/11/2025</p>
71	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>The operation of the quarry should no way impact the water bodies, agricultural activity, and habitation surrounding the project site.</p>
<p>PPs Submission: Complied No impact on the water bodies, agricultural activity, and habitation due to Mining caused by Mining.</p>		<p>Date: 26/11/2025</p>
72	<p>MINING PLAN</p>	<p>Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.</p>
<p>PPs Submission: Complied There is no hindrance caused by Transportation of the quarried materials to the Village people/Existing Village road.</p>		<p>Date: 26/11/2025</p>
73	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>All the commitment made in the proposal with respect to bailing out of water, rain water harvesting, installation of Piezo meter monitoring of ground water quality, green belt development, etc</p>

		should be strictly followed	
	<p>PPs Submission: Complied The rain water collected in the garland drains, after Suspended Solids Settlement in Siltation ponds, joins the rainwater harvesting pond. Piezometers installed in two directions for regular monitoring of ground water level. Periodical monitoring of surface water and ground water are being carried out through NABL recognized third party laboratory viz. M/s SMS Labs services Private Limited. The monitored data, as per report, shows that the values are within the limits. Green belt development being done regularly and ground water quality being monitored regularly.</p>		<p>Date: 26/11/2025</p>
74	MINING PLAN	The Project Proponent shall comply with the mining and other rules and regulations where ever applicable.	
	<p>PPs Submission: Being Complied Condition noted . All mining statutory rules are being complied and will be complied till the end of mining operations</p>		<p>Date: 26/11/2025</p>
75	Statutory compliance	The quarrying activity shall be stopped if the entire quantity indicated in the mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.	
	<p>PPs Submission: Complied Condition noted and we give assurance that mine will be stopped if the entire quantity indicated in the mining plan is quarried even before the expiry of the quarry lease period</p>		<p>Date: 26/11/2025</p>
76	MINING PLAN	To Ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.	
	<p>PPs Submission: Complied Condition noted . Security guards are being engaged during the entire period of mining operation.</p>		<p>Date: 26/11/2025</p>
77	MINING PLAN	The mining Closure plan submitted by the project proponent shall be strictly followed after the mine activity is lapsed as reported.	
	<p>PPs Submission: Being Complied Condition noted . Final mine closure plan will be strictly followed after the mine activity is lapsed, as per approved mining plan.</p>		<p>Date: 26/11/2025</p>
78	MINING PLAN	The pits left unfilled in an area shall be converted into water body. The higher benched of excavated void/ mining shall be terraced and plantation shall be done to stabilize the slopes.	
	<p>PPs Submission: Being Complied As per approved mining plan, only one pit is operational. The PP informed that the mine pit will be converted to water reservoir, at the end of the life of mine as per PMCP along with mining plan. Also, Plantations were carried out in benches to maintain stability of slopes and properly fenced to avoid un-authorized entry into the pit.</p>		<p>Date: 26/11/2025</p>
79	MINING PLAN	There should not be any impact to the nearby water bodies due to seepage from the proposed mine.	
	<p>PPs Submission: Complied The water bodies including natural drainage system in the area are not disturbed due to seepage from the proposed mine.</p>		<p>Date: 26/11/2025</p>
80	MINING PLAN	There should not be any disturbance to the plantation in and	

		around the mining area due to the proposed activity.
<p>PPs Submission: Complied No disturbance to the plantation in and around the mining area due to the mining activity.</p>		<p>Date: 26/11/2025</p>
81	MINING PLAN	The proponent shall plant the green belt area with more indigenous species for bio diversity enhancement in consultation with local DFO. a. The mutual agreement signed between M/s.Chettinad Cement Corporation Private limited and M/s. Dalmia cement Bharat Limited shall be registered before commencement of the mining operation. This should be ensured by the District Collector.
<p>PPs Submission: Complied Green belt area being developed by planting the more indigenous species like Pungan, Vembu, Malai Vembu, and Mailkondrai for Biodiversity enhancement in consultation with Local DFO. ML area 32.295 ha Saplings planted so far: 21169. Extent of existing greenbelt area: 10.30 haArea covered with greenbelt: Dumps, bunds along the ML boundaryTree Density : 2000 /ha. Annexure-12 Mutual Agreement has been signed between M/s. Chettinad Cement Corporation Private limited and M/s. Dalmia cement Bharat Limited is not necessarily to be registered as per the following grounds. The survey numbers involved in the mutual agreement consent has been covered in the mining lease deed and executed by District Collector. The same was registered at Sub-Registrar office Vikramangalam, Ariyalur District. As per Mineral Concession Rules'1960, where the Lands are not owned by the lessee, consent of the owner for starting mining operations shall be obtained. In our case, Mutual consent has been already signed between M/s. Chettinad Cement Corporation Private limited and M/s. Dalmia cement Bharat Limited and submitted to State Govt. before Mining lease grant</p>		<p>Date: 26/11/2025</p>
82	MINING PLAN	As far as possible, the mining should be on sustainable basis, ensuring the reserves are not unduly over harvested and mining should spread over the years, ensuring sustainable mining.
<p>PPs Submission: Complied As on date, mining has been carried out by systematic and scientific manner with sustainability for the proposed rate of average production of 0.32 Million MT per annum, as per the approved mining Plan, as per records.</p>		<p>Date: 26/11/2025</p>
83	AIR QUALITY MONITORING AND PRESERVATION	The Mining site shall be monitored during entire mining period by establishing at least two stations and the Air quality shall be monitored twice in a week.
<p>PPs Submission: Complied The monitoring of ambient air quality and fugitive emissions is being carried out regularly through NABL recognized third party laboratory viz. M/s SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as putt of six monthly compliance report and TNPCB, CPCB. (Annexure-10)</p>		<p>Date: 26/11/2025</p>
84	WATER QUALITY MONITORING AND PRESERVATION	Pumping of water if available in the common storm water area should not impact the neighboring agricultural activities nor affect the ground water availability and alter the ground after flow by any means.
<p>PPs Submission: Complied As on date, the mining activity has not intersected the ground water table. We will ensure that pumping of storm water will not affect availability and alter the ground water flow. The piezometer installed to monitor the levels and report is enclosed in the (Annexure-9A) Water analysis report enclosed as (Annexure-10A)</p>		<p>Date: 26/11/2025</p>
85	WATER QUALITY MONITORING AND PRESERVATION	Any storm water leaving the site shall be settled within the mining area by providing adequate settling tank so that there shall

	PRESERVATION	not be any carryover of residue to the surrounding land or water bodies.
PPs Submission: Complied The rain water accumulated during monsoon period in the mine pit during plan period is pumped out into the settling pond on the Northern side and north western side and ultimately after settling the water utilized for green belt development and dust suppression activities. (Annexure-14)		Date: 26/11/2025
86	MISCELLANEOUS	There has to be a thorough risk assessment and disaster assessment plan in place.
PPs Submission: Complied A risk assessment and disaster assessment plan for all mining operations has been prepared and implemented as and when necessary.		Date: 26/11/2025
87	Human Health Environment	Preventive measures and problems due to occupational mine diseases should be displayed in vernacular language for understanding to the workers.
PPs Submission: Complied Workers are trained in safety 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. The problems due to this, is also displayed in vernacular language, as per statute.		Date: 26/11/2025
88	Human Health Environment	Workers shall be examined every month by practiced physician, results shall be documented and required medical facilities shall be extended to labour force at the cost of the proponent.
PPs Submission: Complied We have provided the required medical facilities to all workers every month by practiced physician, results are being documented.		Date: 26/11/2025
89	MINING PLAN	Anti vibration devices shall be provided to the vibrating tools and equipments to be used by workers during mining and its usage shall be ensured by maintaining safe limit of vibration impact.
PPs Submission: Complied Heavy Earth Moving Machinery (HEMM) equipped with ergonomically designed to maintain safe limit of vibration impact.		Date: 26/11/2025
90	MINING PLAN	All the precautions are to be followed for safety and security. Face masks, helmets, safety shoes, etc., shall be provided to all the workers working in the mining area.
PPs Submission: Complied All the safety precautions are being followed and all the personal protective equipments are provided to all the persons employed in mines. (Annexure-18)		Date: 26/11/2025
91	MINING PLAN	Appropriate fencing and manning of lease area and mine out area shall be done.
PPs Submission: Complied The Mining lease area was provided with appropriate fencing and security for lease area and mined out area. (Annexure-19)		Date: 26/11/2025
92	Statutory compliance	All the recommendations made in the EIA report of the project shall be effectively implemented.

<p>PPs Submission: Complied All the environmental protection measures and safeguards as recommended in the EIA reports are being implemented.</p>		<p>Date: 26/11/2025</p>
93	PUBLIC HEARING	A booklet containing the Dos and Donts shall be prepared in vernacular languages for the use of the mine engineers/ managers and the workers to ensure that all necessary environmental, safety and health measures are undertaken.
<p>PPs Submission: Complied A booklet containing the Do's and Don'ts in the form of Safe operating Procedure was prepared in Tamil language and same was issued to all the employee of the mine.</p>		<p>Date: 26/11/2025</p>
94	Corporate Environmental Responsibility	CER funds of Rs. 6.60 lakhs shall be spent for Karaivetti Bird Sanctuary, Ariyalur District for maintenance and beatification purpose. The aforesaid amount shall be paid in the form of Demand Draft to District forest officer, Ariyalur. The above said amount shall be spent before applying Consent from TNPCB.
<p>PPs Submission: Complied CER funds of Rs.6.60 Lakhs already been paid in the form of Demand draft vide no. 077494, dt: 28.08.2019 to DFO, Ariyalur for maintenance and beautification of Karaivetti Bird sanctuary.</p>		<p>Date: 26/11/2025</p>
95	Statutory compliance	It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance, and also before commencement of production.
<p>PPs Submission: Complied Six monthly compliance reports are being submitted in soft copies by 1st June and 1st December in respect of the conditions stipulated in the prior environmental clearance.</p>		<p>Date: 26/11/2025</p>
96	Statutory compliance	No expansion or modernization in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any.
<p>PPs Submission: Complied No expansion or modernization was carried out in site. No deviations or alterations in the proposed mining lease are considered.</p>		<p>Date: 26/11/2025</p>
97	Statutory compliance	The implementation of the project vis-a-vis environmental action plans shall be monitored by the Regional Office of MoEF at Chennai/TNPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies regularly.
<p>PPs Submission: Complied Six monthly compliance status Report is being submitted regularly to MOEFCC at Chennai, TNPCB and CPCB. Last report for the period Oct 2024 to March 2025.</p>		<p>Date: 26/11/2025</p>
98	AIR QUALITY MONITORING AND PRESERVATION	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional Office of MoEF at Chennai. TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO2 and NOx outside the premises at the appropriate place for the general public.

<p>PPs Submission: Complied</p> <p>The monitoring of ambient air quality and fugitive emissions is being carried out regularly through NABL recognized third party laboratory viz. Mls SMS Labs Services Pvt. Ltd. The monitored data shows that the values are within the limits. The results are submitted to the Regional Office of the MoEF CC, Chennai as part of six monthly compliance report and TNPCB, CPCB. The data on PM10, PM2.5,SO2 and NOx displayed outside the premises at the appropriate place for the general public.</p>		<p>Date: 26/11/2025</p>
99	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Mines Act.
<p>PPs Submission: Complied</p> <p>Occupational health surveillance of the workers carried out on a regular basis and records are maintained as per Mines Act.</p>		<p>Date: 26/11/2025</p>
100	MINING PLAN	The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately.
<p>PPs Submission: Complied</p> <p>First aid room and facilities provided in Mine entrance and medical records also be maintained separately for each person.</p>		<p>Date: 26/11/2025</p>
101	Noise Monitoring & Prevention	The overall noise levels in and around the mining area shall be kept well within the standards prescribed for by providing noise control measures on all sources of noise generation. The ambient noise level should conform to the standards prescribed under EPA Rules, 1989 viz. 55 dBA (day time) and 45 dBA (night time).
<p>PPs Submission: Complied</p> <p>Provided silencers to HEMM, green belt along the boundary of ML area, and good maintenance of Mining Machinery is being ensured for controlling ambient noise level below 55 dBA in a day time and 45 dBA in night time at nearby residential area. Ear plugs/muffs are provided to the operators of HEMM. And HEMM has the Sound proof cabin. (Annexure-18)</p>		<p>Date: 26/11/2025</p>
102	WATER QUALITY MONITORING AND PRESERVATION	Hydro geological study of the area shall be reviewed annually and report submitted to the Authority. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the operation of the Mining activity.
<p>PPs Submission: Complied</p> <p>Hydro geological study of the area was reviewed by Centre for Water Resources, Anna University and submitted to SEIAA and at present and reviewed in 2023 and 2024. No water bodies including natural drainage system in the area disturbed due to mining activities.</p>		<p>Date: 26/11/2025</p>
103	Corporate Environmental Responsibility	CSR activity shall be implemented as committed by drawing a scheme for social up liftmen in the surrounding villages with reference to contribution in road construction, providing sanitation facilities, drinking water supply in the government schools nearby, community awareness, establishment of health centres, water supply to nearby villages and employment to local people whenever and wherever possible both for technical and non-technical jobs and protection of water sources around the project site etc. Funds earmarked for CSR activity shall be used for that purpose only and separate account shall be maintained and report on implementation shall be furnished regularly.
<p>PPs Submission: Complied</p> <p>CSR activity implemented as committed by drawing a scheme for social up liftment in the</p>		<p>Date: 26/11/2025</p>

<p>surrounding villages with reference to the contribution in road construction, providing sanitation facilities, drinking water supply in the government schools nearby, community awareness, establishment of healthcare centres, and employment to local people whenever and wherever possible both for technical and non-technical jobs and protection of water sources around the project site. Funds earmarked for CSR activity used for that purpose only and separate account is being maintained. CSR expenditure details in and around the Mines villages. (Annexure-19A)</p>		
104	Statutory compliance	A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.
<p>PPs Submission: Complied A separate Environmental and Safety Cell has been created to take care of EHS function and the Head of the Cell will be directly reporting to the Head of the Organization for complying with environmental and safety regulations and implementing pollution control and occupational health and safety measures. The environment and safety management cell was constituted vide internal circular dated 22.05.2025 for a period of three years as per their company policy. Approved Environment Management cell team is enclosed as Annexure-9</p>		Date: 26/11/2025
105	Statutory compliance	The requisite amount earmarked forwards capital cost and recurring cost/annum for implementing pollution control measures shall be used judiciously to implement the Environment Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes.
<p>PPs Submission: Complied The industry has separate budget for pollution control measures/ Environment Management plan every year. The funds earmarked for environmental protection measures The funds so provided not diverted for any other purpose.</p>		Date: 26/11/2025
106	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, RSPM, SO ₂ , NO _x or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
<p>PPs Submission: Complied The status of compliance of the environment clearance conditions is being uploaded in the company website and will be updated periodically. The same is being simultaneously be sent to the regional office of the Ministry of Environment and Forest and Climate change, Chennai, the zonal office of central pollution control board, Bengaluru and the Tamilnadu pollution control board. The pollutant levels namely RSPM, SO₂, NO_x (in the ambient air) being monitored and uploaded in the company website periodically. The environmental monitoring data displayed at a convenient location near the main gate of the company in the public domain.</p>		Date: 26/11/2025
107	Statutory compliance	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chennai/CPCB/SPCB shall monitor the stipulated conditions.
<p>PPs Submission: Complied he six monthly report on the status of compliance of the stipulated environmental clearance (both in</p>		Date:

hard copies as well as by e-mail) is being submitted to the SEIAA, TN, the Regional Office of the MoEF CC, Chennai, the Zonal Office of Central Pollution Control Board, Chennai and the Tamil Nadu Pollution Control Board. Last report for the period Oct 2024 to Mar 2025 was sent.		26/11/2025
108	Statutory compliance	The environmental statement for each financial year ending 31st March in Form - V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF and CC by e-mail.
PPs Submission: Complied The environmental statement for financial year ending 31st March 2025 in Form V (Annexure-11A) is submitted to the Regional office of MOEF, forest and Climate change, Chennai on 12.09.2025. The same will be displayed on the website of the company and sent to the respective regional office of the Ministry of Environment, Forest and Climate change, Chennai by e mail. The Status of compliance of Environment clearance conditions are submitted to the respective Regional Offices of the MoEF CC.		Date: 26/11/2025
109	Statutory compliance	Environmental Clearance is being issued without prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.
PPs Submission: Complied Assured to abide by this condition.		Date: 26/11/2025
110	Statutory compliance	The SEIAA, TN may alter/modify the above conditions or stipulate any further conditions in the interest of environment protection.
PPs Submission: Complied Assured to abide by this condition.		Date: 26/11/2025
111	Statutory compliance	The SEIAA/SEAC reserves the right to add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by the Regional Office of MoEF and CC located at Chennai.
PPs Submission: Complied Assured to abide by this condition.		Date: 26/11/2025
112	Statutory compliance	The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Agreed to Comply Assured to abide by this condition.		Date: 26/11/2025
113	Statutory compliance	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notifications, 2006, if, at any stage of the validity of this environmental clearance, if, it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.

PPs Submission: Agreed to Comply Assured to abide by this condition.		Date: 26/11/2025
114	Statutory compliance	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
PPs Submission: Agreed to Comply Assured to abide by this condition.		Date: 26/11/2025
115	Statutory compliance	The above conditions will be enforced inter alia, under the provisions of the 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 draft Minor Mineral Conservation and Development Rules 2010 framed under MMDR Act 1957 National Commission for protection of Child Right Rules, 2006 and Rules made there under and also any other orders passed by Honorable Supreme Court of India /Honorable High Court of Madras and any other Courts of Law relating to the subject matter.
PPs Submission: Agreed to Comply Assured to abide by this condition.		Date: 26/11/2025
116	Statutory compliance	This clearance is issued with respect to only environmental considerations and it does not imply that SEIAA approved the way which lease is granted to the project. While granting lease , the concerned authority shall ensure compliance of relevant rules, Regulations, Notification, Government resolutions, circulars, Judgment/orders of Honorable Court and NGT,etc.
PPs Submission: Agreed to Comply It was submitted that this condition is noted and assured to abide by this conditions		Date: 26/11/2025
117	MISCELLANEOUS	The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and Forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
PPs Submission: Complied Sign board for ban on one time use and throw away plastics were kept within ML area and office premises. Also, we completely banned the use of one time throwaway plastics in their Mines boundary. (Annexure-18A)		Date: 26/11/2025
Visit Remarks		
Last Site Visit Report Date:		26/11/2024
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.		

Category of the Industry :

RED

CONSENT ORDER NO. 1901128088887 DATED: 18/10/2019.

PROCEEDINGS NO.T2/TNPCB/F.0658ARY/RS//ARY/W/2019 DATED: 18/10/2019

SUB: TNPC Board-Consent for Establishment-M/S CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES S.F No. SF NOS. OF 153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6

161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,
1 6 2 / 9 , 1 6 2 / 1 0 , 1 6 2 / 1 1 A , 1 6 2 / 1 1 B , 1 6 3 / 1 , 1 6 3 / 2 A , 1 6 3 / 2 B , 1 6 3 / 2 C , 1 6 3 / 3 , 1 6 3 / 4 , 1 6 3 / 5 , 1 6 3 / 6 , 1 6 3 / 9 ,
1 6 3 / 1 0 , 1 6 3 / 1 1 , 1 6 3 / 1 2 A , 1 6 3 / 1 2 B , 1 6 3 / 1 2 C , 1 6 3 / 1 3 , 1 6 3 / 1 4 , 1 6 3 / 1 5 , 1 6 3 / 1 6 , 1 6 3 / 1 7 , 1 6 3 / 1 8 , 1 6 3 / 1 9 ,
1 6 3 / 2 0 A , 1 6 3 / 2 0 B , 1 6 3 / 2 0 C , 1 6 3 / 2 1 , 1 6 3 / 2 2 , 1 6 3 / 2 3 , 1 6 3 / 2 4 , 1 6 3 / 2 5 , 1 6 3 / 2 6 , 1 6 3 / 2 7 , 1 6 4 / 1 A , 1 6 4 / 1 B ,
1 6 4 / 1 C , 1 6 4 / 2 A , 1 6 4 / 2 B , 1 6 4 / 2 C , 1 6 4 / 3 , 1 6 4 / 4 , 1 6 4 / 5 , 1 6 4 / 6 , 1 6 4 / 7 , 1 6 4 / 8 A , 1 6 4 / 8 B , 1 6 4 / 9 A , 1 6 4 / 9 B ,
1 6 4 / 1 0 A , 1 6 4 / 1 0 B , 1 6 4 / 1 0 C , 1 6 4 / 1 1 A , 1 6 4 / 1 1 B , 1 6 4 / 1 2 A , 1 6 4 / 1 2 B , 1 6 4 / 1 2 C , 1 6 4 / 1 2 D , 1 6 4 / 1 2 E ,
1 6 4 / 1 2 F , 1 6 4 / 1 3 A , 1 6 4 / 1 3 B , 1 6 4 / 1 4 A , 1 6 4 / 1 4 B , 1 6 4 / 1 5 A ,
1 6 4 / 1 5 B , 1 6 4 / 1 5 C , 1 6 4 / 1 6 A , 1 6 4 / 1 6 B , 1 6 4 / 1 6 C ,
1 6 4 / 1 6 D , 1 6 4 / 1 6 E , 1 6 4 / 1 6 F , 1 6 5 / 1 , 1 6 5 / 2 , 1 6 5 / 3 A , 1 6 5 / 3 B , 1 6 5 / 3 C , 1 6 5 / 3 D , 1 6 5 / 4 A , 1 6 5 / 4 B , 1 6 5 / 4 C ,
1 6 5 / 5 , 1 6 5 / 6 , 1 6 5 / 7 A , 1 6 5 / 7 B , 1 6 5 / 8 A , 1 6 5 / 8 B , 1 6 5 / 8 C , 1 6 5 / 8 D , 1 6 5 / 8 E , 1 6 5 / 8 F , 1 6 5 / 9 A , 1 6 5 / 9 B ,
1 6 5 / 1 0 B , 1 6 5 / 1 0 C , 1 6 5 / 1 1 A , 1 6 5 / 1 1 B , 1 6 5 / 1 1 C , 1 6 5 / 1 1 D , 1 6 5 / 1 2 , 1 6 5 / 1 3 A , 1 6 5 / 1 3 B , 1 6 5 / 1 4 , 1 6 5 / 1 5 ,
1 6 5 / 1 6 , 1 6 5 / 1 7 , 1 6 5 / 2 0 , 1 6 5 / 2 1 A , 1 6 5 / 2 1 B , 1 6 5 / 2 2 , 1 6 5 / 2 3 , 1 6 6 / 1 , 1 6 6 / 2 A , 1 6 6 / 2 B , 1 6 6 / 2 C , 1 6 6 / 2 D , 1 6 6 / 2
E
1 6 6 / 3 , 1 6 6 / 4 , 1 6 6 / 5 , 1 6 6 / 6 A , 1 6 6 / 6 B , 1 6 6 / 6 C , 1 6 6 / 7 , 1 6 6 / 8 , 1 6 6 / 9 , 1 6 6 / 1 0 A , 1 6 6 / 1 0 B , 1 6 6 / 1 1 , 1 6 6 / 1 2 , 1 6 6 /
1 6 6 / 1 4 A , 1 6 6 / 1 4 B , 1 6 6 / 1 5 A , 1 6 6 / 1 5 B , 1 6 6 / 1 5 C , 1 6 6 / 1 6 A , 1 6 6 / 1 6 B , 1 6 6 / 1 6 C , 1 6 6 / 1 7 A , 1 6 6 / 1 7 B , 1 6 6 / 1 8
A
1 6 6 / 1 8 B , 1 6 6 / 1 8 C , 1 6 6 / 1 8 D , 1 6 6 / 1 8 E , 1 6 6 / 1 8 F , 1 6 6 / 1 8 G , 1 6 6 / 1 8 H , 1 6 6 / 1 8 I , 1 6 7 / 1 , 1 6 7 / 2 A , 1 6 7 / 2 B , 1 6 7 / 2
C
1 6 7 / 2 D , 1 6 7 / 3 , 1 6 7 / 4 , 1 6 7 / 5 , 1 6 7 / 6 , 1 6 8 / 1 A , 1 6 8 / 1 B , 1 6 8 / 2 A , 1 6 8 / 2 B , 1 6 8 / 3 , 1 6 8 / 4 A , 1 6 8 / 4 B , 1 6 8 / 5 A , 1 6 8 /
5 B
1 6 8 / 6 , 1 6 8 / 7 A , 1 6 8 / 7 B , 1 6 8 / 8 , 1 6 8 / 9 , 1 6 8 / 1 1 A , 1 6 8 / 1 1 B , 1 6 8 / 1 2 A , 1 6 8 / 1 2 B , 1 6 8 / 1 2 C , 1 6 8 / 1 3 A , 1 6 8 / 1 3 B ,
1 6 8 / 1 3 C , 1 6 8 / 1 3 D , 1 6 8 / 1 4 , 1 6 8 / 1 6 A , 1 6 8 / 1 6 D , 1 6 9 / 1 A , 1 6 9 / 1 B , 1 6 9 / 1 C , 1 6 9 / 1 D , 1 6 9 / 1 E , 1 6 9 / 2 , 1 6 9 / 3 , 1 6 9
4
1 6 9 / 5 , 1 6 9 / 6 A , 1 6 9 / 6 B , 1 6 9 / 7 A , 1 6 9 / 7 B , 1 6 9 / 9 , 1 6 9 / 1 0 , 1 6 9 / 1 1 , 1 6 9 / 1 2 , 1 6 9 / 1 3 , 1 7 0 / 1 A , 1 7 0 / 1 B , 1 7 0 / 2 , 1 7 0
/ 3 , 1 7 0 / 4 , 1 7 0 / 5 A , 1 7 0 / 5 B , 1 7 0 / 5 C , 1 7 0 / 5 D , 1 7 0 / 5 E ,
1 7 0 / 6 A , 1 7 0 / 6 B , 1 7 0 / 6 C , 1 7 0 / 7 , 1 7 0 / 8 , 1 7 0 / 9 A , 1 7 0 / 9 B ,
1 7 0 / 1 0 A , 1 7 0 / 1 0 B , 1 7 0 / 1 1 , 1 7 0 / 1 2 , 1 7 0 / 1 3 , 1 7 0 / 1 4 , 1 7 0 / 1 5 , 1 7 0 / 1 6 , 1 7 0 / 1 7 A , 1 7 0 / 1 7 B , 1 7 0 / 1 7 C ,
1 7 0 / 1 8 A , 1 7 0 / 1 8 B , 1 7 0 / 1 9 , 1 7 0 / 2 0 , 1 7 0 / 2 1 , 1 7 0 / 2 2 , 1 7 0 / 2 3 , 1 7 0 / 2 4 , 1 7 0 / 2 5 , 1 7 0 / 2 6 , 1 7 0 / 2 7 , 1 7 0 / 2 8 , 1 7 0 / 3 1
1 7 0 / 3 2 A , 1 7 0 / 3 2 B , 1 7 0 / 3 2 C , 1 7 0 / 3 2 D , 1 7 0 / 3 2 E , 1 7 0 / 3 2 F , 1 7 2 / 2 , 1 7 2 / 3 , 1 7 2 / 4 , 1 7 2 / 6 A , 1 7 2 / 6 B , 1 7 2 / 6 C , 1 7
2 / 6 D , 1 7 2 / 7 A , 1 7 2 / 7 B , 1 7 2 / 8 , 1 7 2 / 9 , 1 7 2 / 1 0 , 1 7 2 / 1 1 , 1 7 2 / 1 2 , 1 7 2 / 1 3 , 1 7 2 / 1 4 A , 1 7 2 / 1 4 B , 1 7 2 / 1 5 , 1 7 2 / 1 6 A ,
1 7 2 / 1 6 B , 1 7 2 / 1 7 , 1 7 2 / 1 8 , 1 7 2 / 1 9 , 1 7 2 / 2 0 , 1 7 2 / 2 1 , 1 7 2 / 2 2 , 1 7 2 / 2 3 , 1 7 2 / 2 4 , 1 7 2 / 2 5 , 1 7 2 / 2 6 , 1 7 2 / 2 7 , 1 7 2 / 2 8 ,
1 7 4 / 1 , 1 7 4 / 2 , 1 7 4 / 3 , 1 7 4 / 4 , 1 7 7 / 2 , 1 7 7 / 3 , 1 7 7 / 4 , 1 7 7 / 5 , 1 7 7 / 6 , 1 7 7 / 7 , 1 7 7 / 9 , 1 7 7 / 1 0 , 1 7 7 / 1 1 , 1 7 7 / 1 2 , 1 7 7 / 1 3 ,
1 7 7 / 1 4 , 1 7 7 / 1 5 , 1 7 7 / 1 6 A , 1 7 7 / 1 6 B , 1 7 7 / 1 7 , 1 7 7 / 1 8 , 1 7 7 / 1 9 , 1 7 7 / 2 0 , 1 7 7 / 2 1 , 1 7 7 / 2 2 A , 1 7 7 / 2 2 B ,
1 7 7 / 2 3 , 1 7 7 / 2 4 , 1 7 7 / 2 5 , 1 7 7 / 2 6 , 1 7 7 / 2 7 , 1 7 7 / 2 8 , 1 7 7 / 2 9 , 1 7 7 / 3 0 , 1 7 8 / 1 A , 1 7 8 / 1 B , 1 7 8 / 1 C , 1 7 8 / 2 A ,
1 7 8 / 1 1 , 1 7 8 / 1 2 C , 1 7 8 / 1 3 A , 1 7 8 / 1 3 B , 1 7 8 / 1 3 C PERIYATHIRUKONAM VILLAGE.,
PERIYATHIRUKONAM Village, Ariyalur Taluk, Ariyalur District - for the establishment or take
steps to establish the industry under Section 25 of the Water (Prevention and control of
Pollution)Act,1974, as amended in 1988(Central Act 6 of 1974)- Issued- Reg.

REF: 1. Unit's application for CTE on 04.09.2019 and resubmitted on 25.9.2019.
2. DEE's IR.No: F.0658ARY/RS/DEE/ARY/2019 dated 26/09/2019.
3. Board's (CCC) Resolution No.262-04 dated: 01.10.2019

Consent to establish or take steps to establish is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 (Central Act 6 of 1974) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

Mines Agent,

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F. No.SF NOS. OF

153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,
161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7, 162/8,
162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,
163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,
163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,
164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,
164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E, 164/12F,164/13A,164/13B,
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165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,
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166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18A,
166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2C,
167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/5B,
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168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,169/1D,169/1E,169/2,169/3,169/4,
169/5,169/6A,169/6B,169/7A,169/7B,169/9,169/10,169/11,169/12,169/13,170/1A,170/1B,170/2,170/3,
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170/10A,170/10B,170/11,170/12,170/13,170/14, 170/15,170/16,170/17A,170/17B,170/17C,
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172/10,172/11, 172/12,172/13,172/14A,172/14B,172/15,172/16A,
172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28,
174/1,174/2,174/3,174/4,177/2,177/3,177/4,177/5,177/6,177/7,177/9,177/10,177/11,177/12,177/13,
177/14,177/15,177/16A,177/16B,177/17,177/18,177/19, 177/20,177/21,177/22A,177/22B,
177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30, 178/1A,178/1B,178/1C,178/2A,
178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE.,

PERIYATHIRUKONAM Village,

Ariyalur Taluk,

Ariyalur District.

This Consent to establish is valid upto **March 31, 2024**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

K.
Gokuladas
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by K. Gokuladas
Date: 2019.10.18
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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
Mines Agent,

M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES,
Trichy-Ariyalur Road,Keelapalur – 621707. Ariyalur Dist,
Pin: 621707

Copy to:

- 1.The Commissioner, ARIYALUR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Triuchirappalli.
 4. File
- _____

SPECIAL CONDITIONS

1. This consent to establish is valid for establishing the facility for the manufacture of products/ byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Mining of Limestone(174305 Tonnes) and Marl(26412 Tonnes) over an extent of 32.295 Hectares - 1st Year	0.2007	MTPA
2.	Mining of Limestone(393097 Tonnes) and Marl(107258 Tonnes) over an extent of 32.295 Hectares - 2nd Year	0.5004	MTPA
3.	Mining of Limestone(429933 Tonnes) and Marl(69700 Tonnes) over an extent of 32.295 Hectares - 3rd Year	0.4996	MTPA
4.	Mining of Limestone(398973 Tonnes) and Marl(99831 Tonnes) over an extent of 32.295 Hectares - 4th Year	0.4988	MTPA
5.	Mining of Limestone(478094 Tonnes) and Marl(22170 Tonnes) over an extent of 32.295 Hectares - 5th Year	0.5003	MTPA
6.	Mining of Limestone an extent of 32.295 hectares for the period of 5 years	1874401	Tonnes
7.	Mining of Marl an extent of 32.295 hectares for the period of 5 years	325371	Tonnes
By-Product Details			
1.	NO BY PRODUCT	0	0
Intermediate Product Details			
1.	NO INTERMEDIATE PRODUCT	0	0

2. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

a	Sewage Treatment Plant:		
Treatment status: Septic Tank and SP/DT			
Sl. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Dispersion Trench	1	2.3 X 1.2 X 0.75
2.	Septic Tank	1	2.45 X 1.0 X 1.3
b	Effluent Treatment Plant:		
Treatment status: No trade effluent and hence does not arise			
Sl. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

3. This consent to establish is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	SEWAGE	1.2	On Industrys own land
Effluent Type : Trade Effluent			

4. **Additional Conditions:**

1. The unit shall comply with all the conditions stipulated in the Environmental Clearance issued by State Environment Impact Assessment Authority Chennai vide Lr.No.SEIAA-TN/F.NO.6283/ALR/1(a)/ EC-4020/2019 dated 19/08/2019.
2. The unit shall not commence any mining activity such as removal of overburden, mining of limestone etc., without obtaining consent to operate from Tamil Nadu Pollution Control Board.
3. The unit shall provide septic tank followed by soak pit for the treatment and disposal of sewage.
4. The unit shall comply with Mines and Minerals (Development and Regulation) Amendment Act, 2015.
5. Peripheral plantations shall be raised as wind belts to minimize the dry tailings being air -borne and to prevent the soil erosion.
6. The unit shall carry out reclamation programme as per the progressive mine closure plan by Indian Bureau of Mines.
7. Garland drains shall be provided around the open cast excavation area, stacking, loading area and periphery of waste dumps so as to collect and discharge the rush of water during heavy rain. The water collected in the garland drain shall flow towards the settling tank.
8. The unit shall provide collection sump at suitable location to collect the rain water and seepage water and the same shall be utilized for irrigation.
9. Wherever practicable, the mine water shall be utilized for irrigation and to the plantations raised to stabilize the mine waste dumps.
10. The overburden and mine waste shall be used for reclamation, restoration and rehabilitation of the terrain without affecting the natural drainage and water regimes.
11. The unit shall ensure that waste shall be dumped within the lease area and it will not create any damages to adjacent property, agricultural fields, public utility and human settlement shall not cause any barrier or obstruction to any water course.
12. The unit shall collect the top - soil from the mining area and preserve it biologically and to utilize the same for plantation of trees during the reclamation program.
13. The unit shall not use "use and throwaway plastics" such as plastic sheets used for food wrapping , spreading on dining table etc., plastic plates , plastic coated tea cups, plastic tumbler , water pouches and packets, plastic straw, plastic carry bags and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, arecanut palm, stainless steel, glass, porcelain plates/cups/cloth bag, jute bag etc.,

K. Digitally signed
by K. Gokuladas
Date: 2019.10.18
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 Gokuladas
 For Member Secretary,
 Tamil Nadu Pollution Control Board,
 Chennai

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

K.
Gokuladas

Digitally signed
by K. Gokuladas
Date: 2019.10.18
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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

RED

CONSENT ORDER NO. 1901228088887 DATED: 18/10/2019.

PROCEEDINGS NO.T2/TNPCB/F.0658ARY/RS/ARY/A/2019 DATED: 18/10/2019

SUB: TNPC Board-Consent for Establishment-M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES , S.F. No. SF NOS. OF 153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6, 161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7, 162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9, 163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19, 163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B, 164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B, 164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E, 164/12F,164/13A,164/13B,164/14A,164/14B,164/15A, 164/15B,164/15C,164/16A,164/16B,164/16C, 164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C, 165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B, 165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15, 165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2 E, 166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/ 166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18 A, 166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2 C, 167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/ 5B, 168/6,168/7A,168/7B,168/8,168/9,168/11A,168/11B,168/12A,168/12B,168/12C,168/13A,168/13B, 168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,169/1D,169/1E,169/2,169/3,169 / 4, 169/5,169/6A,169/6B,169/7A,169/7B,169/9,169/10,169/11,169/12,169/13,170/1A,170/1B,170/2,170 / 3, 170/4,170/5A,170/5B,170/5C,170/5D,170/5E, 170/6A,170/6B,170/6C,170/7,170/8,170/9A,170/9B, 170/10A,170/10B,170/11,170/12,170/13,170/14,170/15,170/16,170/17A,170/17B,170/17C, 170/18A,170/18B,170/19,170/20,170/21,170/22,170/23,170/24,170/25,170/26,170/27,170/28,170/31, 170/32A,170/32B,170/32C,170/32D,170/32E,170/32F,172/2,172/3,172/4,172/6A,172/6B,172/6C,17 2/6D,172/7A,172/7B,172/8,172/9,172/10,172/11,172/12,172/13,172/14A,172/14B,172/15,172/16A, 172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28, 174/1,174/2,174/3,174/4,177/2,177/3,177/4,177/5,177/6,177/7,177/9,177/10,177/11,177/12,177/13, 177/14,177/15,177/16A,177/16B,177/17,177/18,177/19,177/20,177/21,177/22A,177/22B, 177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30,178/1A,178/1B,178/1C,178/2A, 178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE., PERIYATHIRUKONAM village, Ariyalur Taluk and Ariyalur District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.

REF: 1. Unit's application for CTE on 04.09.2019 and resubmitted on 25.9.2019.
 2. DEE's IR.No: F.0658ARY/RS/DEE/ARY/2019 dated 26/09/2019.
 3. Board's (CCC) Resolution No.262-04 dated: 01.10.2019

Consent to establish or take steps to establish is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 and the Rules and Orders made there under to

Mines Agent,

M/s . CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE

MINES

S.F No.SF NOS. OF

153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,
161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7, 162/8,
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178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE.,

PERIYATHIRUKONAM Village,

Ariyalur Taluk,

Ariyalur District.

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No. SF NOS. OF

153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,
161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7, 162/8,
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178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE.,

PERIYATHIRUKONAM Village,

Ariyalur Taluk,

Ariyalur District.

This Consent to establish is valid upto **March 31, 2024**, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

K.
Gokuladas
Digitally signed
by K. Gokuladas
Date: 2019.10.18
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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
Mines Agent,
M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES,
Trichy-Ariyalur Road,Keelapalur – 621707. Ariyalur Dist,
Pin: 621707

Copy to:

- 1.The Commissioner, ARIYALUR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Truchirappalli.
4. File

SPECIAL CONDITIONS

1. This consent to establish is valid for establishing the facility for the manufacture of products/ byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Mining of Limestone(174305 Tonnes) and Marl(26412 Tonnes) over an extent of 32.295 Hectares - 1st Year	0.2007	MTPA
2.	Mining of Limestone(393097 Tonnes) and Marl(107258 Tonnes) over an extent of 32.295 Hectares - 2nd Year	0.5004	MTPA
3.	Mining of Limestone(429933 Tonnes) and Marl(69700 Tonnes) over an extent of 32.295 Hectares - 3rd Year	0.4996	MTPA
4.	Mining of Limestone(398973 Tonnes) and Marl(99831 Tonnes) over an extent of 32.295 Hectares - 4th Year	0.4988	MTPA
5.	Mining of Limestone(478094 Tonnes) and Marl(22170 Tonnes) over an extent of 32.295 Hectares - 5th Year	0.5003	MTPA
6.	Mining of Limestone an extent of 32.295 hectares for the period of 5 years	1874401	Tonnes
7.	Mining of Marl an extent of 32.295 hectares for the period of 5 years	325371	Tonnes
By-Product Details			
1.	NO BY PRODUCT	0	0
Intermediate Product Details			
1.	NO INTERMEDIATE PRODUCT	0	0

2. This consent to establish is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack .Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
0	Not Applicable	Not Applicable	0	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Mines area and Haul Road	Fugitive	Water Spraying through tanker	

3. **Additional Conditions:**

1. The unit shall comply with all the conditions stipulated in the Environmental Clearance issued by State Environment Impact Assessment Authority Chennai vide Lr.No.SEIAA-TN/F.NO.6283/ALR/1(a)/ EC-4020/2019 dated 19/08/2019.
2. The unit shall not commence any mining activity such as removal of overburden, mining of limestone etc., without obtaining consent to operate from Tamil Nadu Pollution Control Board.
3. The unit shall provide adequate air pollution control measures such as water sprinklers to control the dust emissions and carry – over dust and maintain the AAQ standards as prescribed by the Board.
4. The unit shall provide necessary arrangement for wetting the haul roads to arrest or control the dust emission due to movement of vehicles.
5. The unit shall adhere to the National Ambient Air Quality (NAAQ) as prescribed by the Ministry of Environment and Forest (MoEF), Govt. of India.
6. The unit shall adhere to ANL standards prescribed by the Board.
7. The unit shall comply with Mines and Minerals (Development and Regulation) Amendment Act, 2015.
8. The unit shall not use “use and throwaway plastics’ such as plastic sheets used for food wrapping , spreading on dining table etc., plastic plates , plastic coated tea cups, plastic tumbler , water pouches and packets, plastic straw, plastic carry bags and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, arecanut palm, stainless steel, glass, porcelain plates/cups/cloth bag, jute bag etc.,

K. Digitally signed
by K. Gokuladas
Date: 2019.10.18
17:45:04 +05'30'
Gokuladas
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

K. Gokuladas
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by K. Gokuladas
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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

Category of the Industry :

RED



CONSENT ORDER NO. 2505257546648 DATED: 14/03/2025.

PROCEEDINGS NO.T3/TNPCB/F.0658ARY/RS/ARY/A/2025 DATED: 14/03/2025

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE –DIRECT –M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES
S F N o S F N O S O F
153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6
161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,
1 6 4 / 1 2 F , 1 6 4 / 1 3 A , 1 6 4 / 1 3 B , 1 6 4 / 1 4 A , 1 6 4 / 1 4 B , 1 6 4 / 1 5 A ,
1 6 4 / 1 5 B , 1 6 4 / 1 5 C , 1 6 4 / 1 6 A , 1 6 4 / 1 6 B , 1 6 4 / 1 6 C ,
162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,
163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,
163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,
164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,
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165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A, 165/9B,
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165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2
166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/
166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18
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170/3, 170/4, 170/5A, 170/5B, 170/5C, 170/5D, 170/5E,
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2/6D,172/7A,172/7B,172/8,172/9,172/10,172/11, 172/12,172/13,172/14A,172/14B,172/15,172/16A,
172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28,
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177/14,177/15,177/16A,177/16B,177/17,177/18,177/19, 177/20,177/21,177/22A,177/22B,
177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30, 178/1A,178/1B,178/1C,178/2A,
178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE.,
PERIYATHIRUKONAM village Ariyalur Taluk and Ariyalur District - Consent for operation of the
plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution)
Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg. (Industry User ID-
R19ARY28085788)

- Ref:** 1.CTO after CTE PROC. NO.T2/TNPCB/F.0658ARY/RS//ARY/A&W/2020 DATED: 28/01/2020
2.Unit's application No. 57546648 for the CTO – Renew through OCMMS dated 04.03.2024 and latest resubmission on 30.01.2025.
3.IR.No : F.0658ARY/RS/DEE/ARY/2025 dated 26/02/2025 .
4.Minutes of 333th CCC Meeting Item No. 333 – 26 Dated 27.02.2025

CONSENT TO OPERATE is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to

Director

M/s . CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES

S.F No. SF NOS. OF

153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C,165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B,165/10A,165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2E,166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/13,166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18A,166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2C,167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/5B,168/6,168/7A,168/7B,168/8,168/9,168/11A,168/11B,168/12A,168/12B,168/12C,168/13A,168/13B,168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,169/1D,169/1E,169/2,169/3,169/4,169/5,169/6A,169/6B,169/7A,169/7B,169/9,169/10,169/11,169/12,169/13,170/1A,170/1B,170/2,170/3,170/4,170/5A,170/5B,170/5C,170/5D,170/5E,170/6A,170/6B,170/6C,170/7,170/8,170/9A,170/9B,170/10A,170/10B,170/11,170/12,170/13,170/14,170/15,170/16,170/17A,170/17B,170/17C,170/18A,170/18B,170/19,170/20,170/21,170/22,170/23,170/24,170/25,170/26,170/27,170/28,170/31,170/32A,170/32B,170/32C,170/32D,170/32E,170/32F,172/2,172/3,172/4,172/6A,172/6B,172/6C,172/6D,172/7A,172/7B,172/8,172/9,172/10,172/11,172/12,172/13,172/14A,172/14B,172/15,172/16A,172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28,174/1,174/2,174/3,174/4,177/2,177/3,177/4,177/5,177/6,177/7,177/9,177/10,177/11,177/12,177/13,177/14,177/15,177/16A,177/16B,177/17,177/18,177/19,177/20,177/21,177/22A,177/22B,177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30,178/1A,178/1B,178/1C,178/2A,178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE.

PERIYATHIRUKONAM Village

Ariyalur Taluk

Ariyalur District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2026**

NALINI

Digitally signed by NALINI
Date: 2025.03.17 17:48:52 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
Director,
M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES,

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,
4TH FLOOR, RANI SEETHAI HALL BUILDING,
603, ANNA SALAI, CHENNAI.
Pin: 600006

Copy to:

1. The Commissioner, ARIYALUR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Tiruchirappalli.
 4. File
-

SPECIAL CONDITIONS

1. This consent to operate is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Mining of Limestone an extent of 32.295 hectares for the period of 2 years	685106.10	TONNES
2.	Mining of Marl an extent of 32.295 hectares for the period of 2 years	215358.26	TONNES
By-Product Details			
1.	NO BY PRODUCT	0	0
Intermediate Product Details			
1.	NO INTERMEDIATE PRODUCT	0	0

2. This consent to operate is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
0	Not Applicable	Not Applicable	0	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Mines area and Haul Road	Fugitive	Water Spraying through tanker	

- 3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :

Sl.	Parameter	Unit	Tolerance limits	Stacks
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Annexure enclosed if applicable. :-

- 3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO ₂)	Annual 24 hours	microgram/m ³ microgram/m ³	50 80	20 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 hours	microgram/m ³ microgram/m ³	40 80	30 80
3.	Particulate Matter (Size Less than 10 micro M) or PM ₁₀	Annual 24 hours	microgram/m ³ microgram/m ³	60 100	60 100
4.	Particulate Matter (Size Less than 2.5 micro M) or PM _{2.5}	Annual 24 hours	microgram/m ³ microgram/m ³	40 60	40 60
5.	Ozone (O ₃)	8 Hours 1 Hour	microgram/m ³ microgram/m ³	100 180	100 180
Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual 24 hours	microgram/m ³ microgram/m ³	0.5 1.0	0.5 1.0
7.	Carbon Monoxide (CO)	8 Hours 1 Hour	miligram/m ³ miligram/m ³	02 04	02 04
8.	Ammonia (NH ₃)	Annual 24 hours	microgram/m ³ microgram/m ³	100 400	100 400
9.	Benzene (C ₆ H ₆)	Annual	microgram/m ³	5	5
10.	Benzo(O) Pyrene (BaP) –particulate phase only	Annual	nanogram/m ³	01	01
11.	Arsenic (As)	Annual	nanogram/m ³	06	06
12.	Nickel (Ni)	Annual	nanogram/m ³	20	20

3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L.eq.-dB(A)	Day Time	Night Time
Residential Area	55	45

- All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl. No.3 above.
- The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the previous written permission of the Board.
- The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.
- The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.

8. Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in Sl.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
9. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LiFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LiFE" action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall operate and maintain the APC measures efficiently and continuously so as to bring the quality of emission to the AAQ/ Emission standards prescribed by the Board.
2. The unit shall operate the water sprinklers effectively to suppress the dust emission during mining and vehicle movements.
3. The haul roads in the mines shall be adequately water sprayed using water tankers at regular intervals.
4. The unit shall comply with all the conditions mentioned in the Environmental Clearance issued by State Environment Impact Assessment Authority Chennai vide Lr.No.SEIAATN/F.NO.62883/ALR/1(a)/EC-4020/2019 dated 19/08/2019 and Lr.No.SEIAA-TN/F.No.10584/A/2025 dated:20.01.2025.
5. Thick green belt with native species shall be developed in the 50 m safety distance in the land area in the periphery.
6. Peripheral plantations shall be raised as wind belts to minimize the dry tailings being air-borne and to prevent the soil erosion.
7. The unit shall ensure that transport vehicle shall be leak proof and properly covered with tarpaulin so as to prevent spillages which may generate air borne dust.
8. The unit shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/ cups, cloth bag, jute bag etc

NALINI

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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in production quantity and emission.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished, in the application will also be ground for review/variation/revocation of the Consent Order under Section 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
9. The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
11. In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.
12. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
15. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
17. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
18. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

Category of the Industry :

RED



CONSENT ORDER NO. 2505157546648 DATED: 14/03/2025.

PROCEEDINGS NO.T3/TNPCB/F.0658ARY/RS/ARY/W/2025 DATED: 14/03/2025

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE – DIRECT -M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES S F N o S F N O S O F 153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6, 161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7, 1 6 4 / 1 2 F , 1 6 4 / 1 3 A , 1 6 4 / 1 3 B , 1 6 4 / 1 4 A , 1 6 4 / 1 4 B , 1 6 4 / 1 5 A , 1 6 4 / 1 5 B , 1 6 4 / 1 5 C , 1 6 4 / 1 6 A , 1 6 4 / 1 6 B , 1 6 4 / 1 6 C , 162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9, 163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19, 163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B, 164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B, 164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E, 164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C, 165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A, 165/9B, 1 6 5 / 1 0 B , 1 6 5 / 1 0 C , 1 6 5 / 1 1 A , 1 6 5 / 1 1 B , 1 6 5 / 1 1 C , 1 6 5 / 1 1 D , 1 6 5 / 1 2 , 1 6 5 / 1 3 A , 1 6 5 / 1 3 B , 1 6 5 / 1 4 , 1 6 5 / 1 5 , 165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2 1 6 6 / 3 , 1 6 6 / 4 , 1 6 6 / 5 , 1 6 6 / 6 A , 1 6 6 / 6 B , 1 6 6 / 6 C , 1 6 6 / 7 , 1 6 6 / 8 , 1 6 6 / 9 , 1 6 6 / 1 0 A , 1 6 6 / 1 0 B , 1 6 6 / 1 1 , 1 6 6 / 1 2 , 1 6 6 / 1 6 6 / 1 4 A , 1 6 6 / 1 4 B , 1 6 6 / 1 5 A , 1 6 6 / 1 5 B , 1 6 6 / 1 5 C , 1 6 6 / 1 6 A , 1 6 6 / 1 6 B , 1 6 6 / 1 6 C , 1 6 6 / 1 7 A , 1 6 6 / 1 7 B , 1 6 6 / 1 8 1 6 6 / 1 8 B , 1 6 6 / 1 8 C , 1 6 6 / 1 8 D , 1 6 6 / 1 8 E , 1 6 6 / 1 8 F , 1 6 6 / 1 8 G , 1 6 6 / 1 8 H , 1 6 6 / 1 8 I , 1 6 7 / 1 , 1 6 7 / 2 A , 1 6 7 / 2 B , 1 6 7 / 2 1 6 7 / 2 D , 1 6 7 / 3 , 1 6 7 / 4 , 1 6 7 / 5 , 1 6 7 / 6 , 1 6 8 / 1 A , 1 6 8 / 1 B , 1 6 8 / 2 A , 1 6 8 / 2 B , 1 6 8 / 3 , 1 6 8 / 4 A , 1 6 8 / 4 B , 1 6 8 / 5 A , 1 6 8 / 1 6 8 / 6 , 1 6 8 / 7 A , 1 6 8 / 7 B , 1 6 8 / 8 , 1 6 8 / 9 , 1 6 8 / 1 1 A , 1 6 8 / 1 1 B , 1 6 8 / 1 2 A , 1 6 8 / 1 2 B , 1 6 8 / 1 2 C , 1 6 8 / 1 3 A , 1 6 8 / 1 3 B , 1 6 8 / 1 3 C , 1 6 8 / 1 3 D , 1 6 8 / 1 4 , 1 6 8 / 1 6 A , 1 6 8 / 1 6 D , 1 6 9 / 1 A , 1 6 9 / 1 B , 1 6 9 / 1 C , 1 6 9 / 1 D , 1 6 9 / 1 E , 1 6 9 / 2 , 1 6 9 / 3 , 1 6 9 / 5 , 1 6 9 / 6 A , 1 6 9 / 6 B , 1 6 9 / 7 A , 1 6 9 / 7 B , 1 6 9 / 9 , 1 6 9 / 1 0 , 1 6 9 / 1 1 , 1 6 9 / 1 2 , 1 6 9 / 1 3 , 1 7 0 / 1 A , 1 7 0 / 1 B , 1 7 0 / 2 , 1 7 0 / 3 , 1 7 0 / 4 , 1 7 0 / 5 A , 1 7 0 / 5 B , 1 7 0 / 5 C , 1 7 0 / 5 D , 1 7 0 / 5 E , 1 7 0 / 6 A , 1 7 0 / 6 B , 1 7 0 / 6 C , 1 7 0 / 7 , 1 7 0 / 8 , 1 7 0 / 9 A , 1 7 0 / 9 B , 170/10A,170/10B,170/11,170/12,170/13,170/14, 170/15,170/16,170/17A,170/17B,170/17C, 170/18A,170/18B,170/19,170/20,170/21,170/22,170/23,170/24,170/25,170/26,170/27,170/28,170/31 170/32A,170/32B,170/32C,170/32D,170/32E,170/32F,172/2,172/3,172/4,172/6A,172/6B,172/6C,17 2/6D,172/7A,172/7B,172/8,172/9,172/10,172/11, 172/12,172/13,172/14A,172/14B,172/15,172/16A, 172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28, 174/1,174/2,174/3,174/4,177/2,177/3,177/4,177/5,177/6,177/7,177/9,177/10,177/11,177/12,177/13, 177/14,177/15,177/16A,177/16B,177/17,177/18,177/19, 177/20,177/21,177/22A,177/22B, 177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30, 178/1A,178/1B,178/1C,178/2A, 178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE., PERIYATHIRUKONAM village Ariyalur Taluk and Ariyalur District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg. (Industry User ID- R19ARY28085788)

- Ref:** 1.CTO after CTE PROC. NO.T2/TNPCB/F.0658ARY/RS//ARY/A&W/2020 DATED: 28/01/2020
2.Unit's application No. 57546648 for the CTO – Renew through OCMMS dated 04.03.2024 and latest resubmission on 30.01.2025.
3.IR.No : F.0658ARY/RS/DEE/ARY/2025 dated 26/02/2025 .
4.Minutes of 333th CCC Meeting Item No. 333 – 26 Dated 27.02.2025

CONSENT TO OPERATE is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to

Director

M/s . CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES

S.F No. SF NOS. OF

153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C,165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B,165/10A,165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2E,166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/13,166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18A,166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2C,167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/5B,168/6,168/7A,168/7B,168/8,168/9,168/11A,168/11B,168/12A,168/12B,168/12C,168/13A,168/13B,168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,169/1D,169/1E,169/2,169/3,169/4,169/5,169/6A,169/6B,169/7A,169/7B,169/9,169/10,169/11,169/12,169/13,170/1A,170/1B,170/2,170/3,170/4,170/5A,170/5B,170/5C,170/5D,170/5E,170/6A,170/6B,170/6C,170/7,170/8,170/9A,170/9B,170/10A,170/10B,170/11,170/12,170/13,170/14,170/15,170/16,170/17A,170/17B,170/17C,170/18A,170/18B,170/19,170/20,170/21,170/22,170/23,170/24,170/25,170/26,170/27,170/28,170/31,170/32A,170/32B,170/32C,170/32D,170/32E,170/32F,172/2,172/3,172/4,172/6A,172/6B,172/6C,172/6D,172/7A,172/7B,172/8,172/9,172/10,172/11,172/12,172/13,172/14A,172/14B,172/15,172/16A,172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28,174/1,174/2,174/3,174/4,177/2,177/3,177/4,177/5,177/6,177/7,177/9,177/10,177/11,177/12,177/13,177/14,177/15,177/16A,177/16B,177/17,177/18,177/19,177/20,177/21,177/22A,177/22B,177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30,178/1A,178/1B,178/1C,178/2A,178/11,178/12C,178/13A,178/13B,178/13C PERIYATHIRUKONAM VILLAGE.

PERIYATHIRUKONAM Village

Ariyalur Taluk

Ariyalur District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2026**

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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
Director,
M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED PERIYATHIRUKONAM LIMESTONE MINES,

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,
4TH FLOOR, RANI SEETHAI HALL BUILDING,
603, ANNA SALAI, CHENNAI.
Pin: 600006

Copy to:

1. The Commissioner, ARIYALUR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Tiruchirappalli.
 4. File
-

SPECIAL CONDITIONS

1. This consent to operate is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl No.	Description	Quantity	Unit
Product Details			
1.	Mining of Limestone an extent of 32.295 hectares for the period of 2 years	685106.10	TONNES
2.	Mining of Marl an extent of 32.295 hectares for the period of 2 years	215358.26	TONNES
By-Product Details			
1.	NO BY PRODUCT	0	0
Intermediate Product Details			
1.	NO INTERMEDIATE PRODUCT	0	0

2. This consent to operate is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	SEWAGE	1.2	On Industrys own land
Effluent Type : Trade Effluent - NIL			

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos			
			Sewage		Trade Effluent	
			I			
1.	pH		5.5 to 9			
2.	Temperature	oC	-			
3.	Particle size of Suspended solids	-	-			
4.	Total Suspended Solids	mg/l	30			
5.	Total Dissolved solids (inorganic)	mg/l	-			
6.	Oil & Grease	mg/l	-			
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20			
8.	Chemical Oxygen Demand	mg/l	-			
9.	Chloride (as Cl)	mg/l	-			
10.	Sulphates (as SO4)	mg/l	-			
11.	Total Residual Chlorine	mg/l	-			
12.	Ammonical Nitrogen (as N)	mg/l	-			
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-			
14.	Free Ammonia (as NH3)	mg/l	-			
15.	Arsenic (as As)	mg/l	-			
16.	Mercury (as Hg)	mg/l	-			
17.	Lead (as Pb)	mg/l	-			
18.	Cadmium(as Cd)	mg/l	-			
19.	Hexavalent Chromium (as Cr+6)	mg/l	-			
20.	Total Chromium (as Cr)	mg/l	-			
21.	Copper (as Cu)	mg/l	-			
22.	Zinc (as Zn)	mg/l	-			
23.	Selenium (as Se)	mg/l	-			
24.	Nickel (as Ni)	mg/l	-			
25.	Boron (as B)	mg/l	-			
26.	Percent Sodium	%	-			
27.	Residual Sodium Carbonate	mg/l	-			
28.	Cyanide (as CN)	mg/l	-			
29.	Fluoride (as F)	mg/l	-			
30.	Dissolved Phosphates(as P)	mg/l	-			
31.	Sulphide (as S)	mg/l	-			
32.	Pesticides	mg/l	-			
33.	Phenolic Compounds (as C6H5OH)	mg/l	-			
34.	Radioactive materials a) Alpha emitters	micro curie/ml	-			
35.	Radioactive materials b). Beta emitters	micro curie/ml	-			
36.	Fecal Coliform	MPN/100ml	-			

4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl No.3 above or to achieve the zero liquid discharge of effluent as applicable.

5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
 - a. Industrial Cooling, Spraying in mine pits or boiler feed.
 - b. Domestic purpose.
 - c. Process.
6. The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.
7. Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the readings of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board officials during inspection.
8. The occupier shall at his own cost get the samples of effluent/surface water/ground water collected in and around the unit by Board officials and analyzed by the TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased effluent discharge and result in violation of the standards mentioned in Sl. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
10. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
13. The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
 - i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.
 - ii) The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate/Evaporator condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.
 - iii) The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable.
 - iv) In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary/Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
 - v) The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LiFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LiFE" action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall treat and dispose the sewage generated from the unit through septic tank followed by soak pit.
2. The unit shall comply with all the conditions mentioned in the Environmental Clearance issued by State Level Environment Impact Assessment Authority Tamil Nadu vide Lr. No. SEIAA-TN/F.No.6283/ALR/1(a) /EC-4020/2019 dated: 19/08/2019 and Lr.No.SEIAA-TN/F.No.10584/A/2025 dated:20.01.2025
3. Thick green belt with native species shall be developed in the safety distance proposed as per EC issued.
4. Peripheral plantations shall be raised as windshield to minimize the dry tailings being air-borne and to prevent the soil erosion.
5. Garland drains provided around the open cast excavation area, stacking, loading area and periphery of waste dumps shall be maintained so as to collect and discharge the rush of water during heavy rain. The water collected in the garland drain shall flow towards the settling tank.
6. The unit shall collect the rain water and seepage in the collection sump provided and the same shall be utilized for irrigation.
7. Wherever practicable, the mine water shall be utilized for irrigation and to the plantation raised to stabilize the mine waste dumps.
8. The unit shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco-friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/ cups, cloth bag, jute bag etc.;

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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

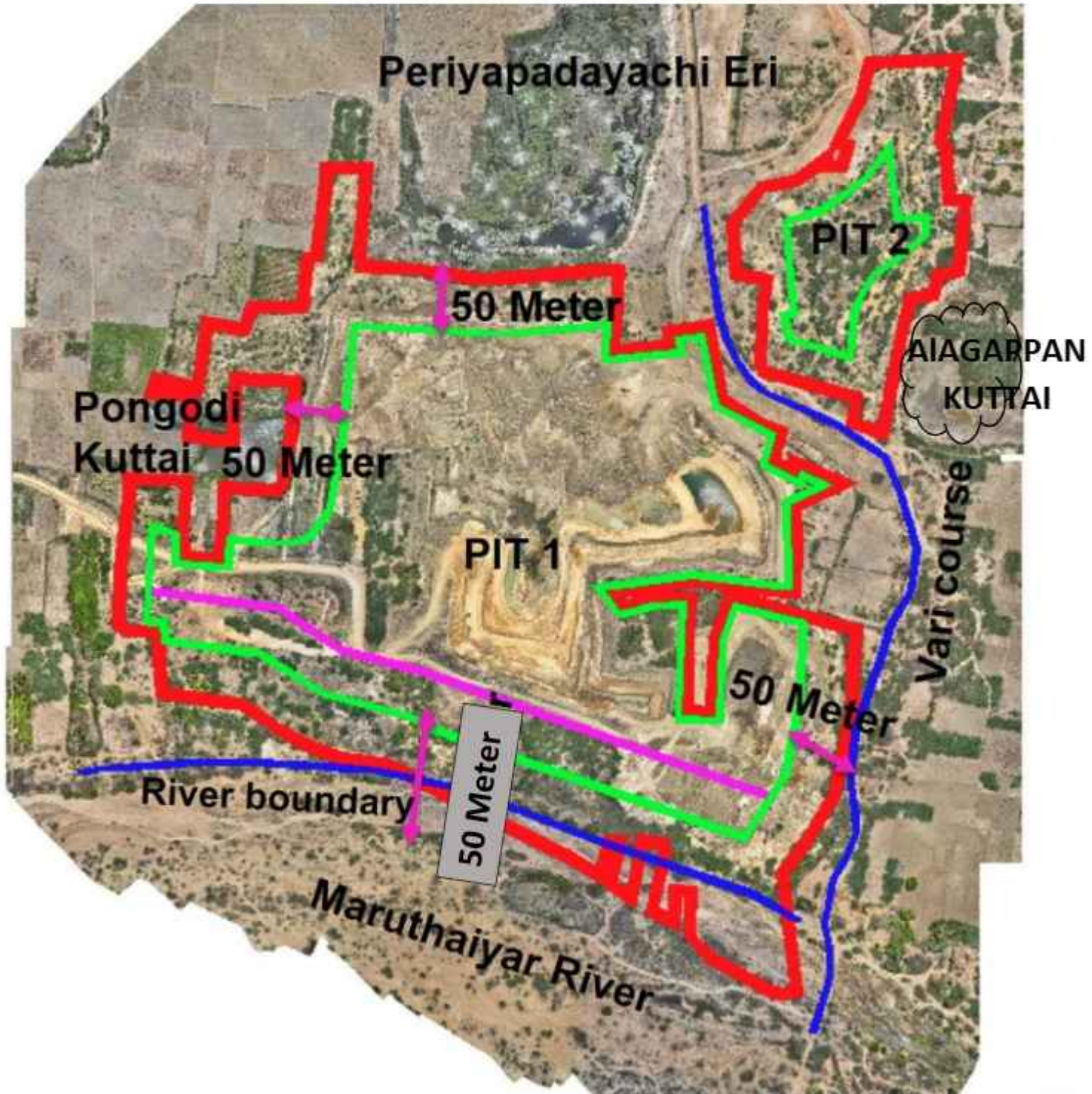
1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage/Trade effluent.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation/revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.
7. The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
9. The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
14. The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.
15. The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable).
16. The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly.
 - a) Monthly water consumption returns of each of the purposes with water meter readings in Form-I on or before 5th of every month.
 - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
 - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
17. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
18. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

20. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
22. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
23. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

NALINI
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Digitally signed by NALINI
Date: 2025.03.17 17:51:44
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SAFETY DISTANCE



**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES, CHENNAI**

No. TN/ALR/LST/MMP-2117.MDS

Dt : 09/10/2024

Shri/M/s. M/s CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ,
Rani Seethai Hall building 603, Anna Salai Chennai

PERIYATHIRUKONAM (38TMN38048) (63647404)

Sub Approval of Modification to the Approved Review of Mining Plan (including Progressive Mine Closure Plan) for Periyathirukonam Limestone Mine over an extent of 32.295 hectares in Periyathirukonam Village, Ariyalur Taluk & District, Tamilnadu State submitted by M/s. Chettinad Cement Corporation Pvt Ltd, under Rule 17(3) of MCR, 2016.

Ref : (i) Your online submission of draft Modification to the approved Review of Mining Plan in IBM-MPAS portal on 29.07.2024 in respect of aforesaid ML Area.

(ii) This office letter of even no. dated 13.08.2024.

(iii) Your online submission of final Modification to the approved Review of Mining Plan document in IBM-MPAS portal on 08.10.2024 in respect of aforesaid ML Area.

Sir,

In exercise of the powers delegated to me under Rule 16 of Minerals (Other than Atomic & Hydro Carbon Energy Minerals) Concession Rules, 2016 vide Gazette Notification No. S.O. 1857(E) dated 18.5.2016, I hereby accord approval for the above said Modification to the Approved Review of Mining Plan (including Progressive Mine Closure Plan) for **Limestone & Marl** minerals. This approval is subject to the following conditions:

A. General Conditions:

- 1) That the Modification to the Approved Review of Mining Plan (including Progressive Mine Closure Plan) is approved without prejudice to any other law applicable to the mine/area from time to time whether made by the Central Government, State Government or any other authority.
- 2) That this approval of the Modification to the Approved Review of Mining Plan (including Progressive Mine Closure Plan) does not in any way imply the approval of the Government in terms of any other provision of the Mines & Mineral (Development & Regulation) Act, 2015 or the Mineral Concession Rules, 2016 or any other law including Forest (Conservation) Act, 1980, Environment Protection Act, 1986 and the rules made there under.
- 3) That these Modification to the Approved Review of Mining Plan (including Progressive Mine Closure Plan) is approved without prejudice to any other order or direction from any court of competent jurisdiction.
- 4) Provisions of the Mines Act, 1952 and Rules & Regulations made thereunder including submission of notice of opening, appointment of manager and other statutory officials as required by the Mines Act, 1952 shall be complied with.
- 5) The Provisions made under MM(D&R) Act, 2015 (Amended) and Rules made thereunder shall be complied with.
- 6) The contents of circular No. 2/2010 issued by the Chief Controller of Mines, IBM, Nagpur vide his letter No. 11013/3/MP/90-CCOM Vol. VII dated 06.04.2010 shall be complied with.
- 7) The execution of Mining Plan / Modification to the Approved Review of Mining Plan shall be subjected to vacation of prohibitory orders / notices, if any.
- 8) This approval of mining operations and associated activities is restricted to the mining lease area only. The mining lease area is as shown on the statutory plans under rule 32 of Mineral Conservation and Development Rules, 2017, by the lessee. Indian Bureau of Mines does not take any responsibility regarding correctness of the boundaries of the lease shown on the ground with reference to the lease map and other plans furnished by the lessee.
- 9) The Environmental Monitoring Cell of the Company shall continue monitoring ambient air quality, dust fall rate, water quality, soil sample

analysis and noise level measurements on various stations established for the purpose both in the core zone and buffer zone, as per Department of Environment guidelines and keeping in view IBM's Circular No.3/92, season-wise every year or by engaging preferably the services of an Environmental laboratory approved by MOEF/CPCB. The data so generated shall be maintained in a bound paged register kept for the purpose and the same shall be made available to the inspecting officer on demand.

10) If anything is found to be concealed as required by the Mines Act in the contents of Modification to the Approved Review of Mining Plan and proposal for rectification has not been made, the approval shall be deemed to have been withdrawn with immediate effect.

11) Yearly report as required under Rule 26(2) of MCDR,2017 setting forth the extent of protection and rehabilitation works carried out as envisaged in the approved progressive mine closure plan and if there is any deviations, reasons thereof shall be submitted before 1st July of every year to the regional office, IBM , Chennai.

12) The Modification to the Approved Review of Mining Plan is approved for the proposals contained therein and as applicable from the date of approval of the document for the mining activities to be carried out within the mining leasehold. The earlier instances of irregular mining/illegal mining, if any, shall not be regularized through the approval of this document.

13) In case mining lease falls within a radius of 10 kms. of National Park/Sanctuary, recommendations of NBWL have to be obtained as per the orders of the Hon'ble Supreme Court in I.A. No. 460/2004.

14) This approval is subject to the mining operations as per the proposals shall be carried out only after obtaining necessary clearances from MOEF&CC, Pollution Control Board, Forest Department etc. PERIYATHIRUKONAM (38TMN38048) (63647404)

15) This approval is subject to submission of DGPS Plan duly authenticated by the State Government and submission of modifications in the approved Mining Plan if, consequent to the authentication of DGPS Survey Plan, any change in mining lease area is accepted by the State Government.

16) This approval is subject to the conditions as per the directions given in W.P.(c) No. 114/2014 given by the Hon'ble Supreme Court of India should be taken care of while implementing the proposals given in the PMCP part of the documents.

B. Special Conditions:

It shall be mandatory for the project proponent, abstracting ground water, to obtain **No Objection Certificate** from Central Ground Water Authority or, the concerned State/Union Territory Ground Water Authority, as the case may be..

Encl: Soft copy of approval letter of Modification to the approved Review of Mining Plan.

Yours faithfully,

(G.C. Sethi)

Regional Controller of Mines

Copy without enclosure forwarded for information to Shri. K.Shankar, Qualified Person, B-3 Kothamangalam Subbu, Flat No. 185, Avai Shanmugam Road, Royapettah, Chennai – 600 014.

(G.C. Sethi)

Regional Controller of Mines

Not on first Two copies:

Copy forwarded for kind information to:

(i) The Controller of Mines (SZ), Indian Bureau of Mines, Bengaluru.

(ii) The Director of Mines Safety, DGMS, Chennai Region, Chennai.

(iii) The Commissioner, Department of Geology & Mining, Government of Tamilnadu, Guindy, Chennai-600 032.

(iv) QP file/Mine file/Guard file.

(G.C. Sethi)

Regional Controller of Mines



THIRU. A.R. RAHUL NADH, I.A.S.
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMILNADU

3rd Floor, Panagal Maaligai,
No.1, Jeenis Road, Saidapet,
Chennai - 600 015.
Phone No. 044-24359973
Fax No. 044-24359975

AMENDMENT TO ENVIRONMENTAL CLEARANCE

Lr. No.SEIAA-TN/F.No.10584/A/2025 dated:20.01.2025

To

M/s. Chettinad Cement Corporation Private Limited,
4th Floor, Chettinad Towers,
603, Annasalai chennai- 600 006.

Sir/Madam

Sub: SEIAA-TN –Application seeking Amendment to Environmental Clearance for
Existing Limestone quarry lease over an extent of 32.29.5Ha of Patta land in
SF

Nos.153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C,165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B,165/10A,165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,


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177/29,177/30,178/1A,178/1B,178/1C,178/2A,178/11,178/12C,178/13A,178/
13B,178/13C, Periyathirukonam Village, Ariyalur Taluk, Ariyalur District,
Tamil Nadu by M/s. Chettinad Cement Corporation Private Limited – under
Category “B1” and Schedule Sl. No. I(a) “Mining minerals Projects” under
the EIA Notification, 2006 as amended – Amendment to Environmental
Clearance – Issued – Regarding.

- Ref:** 1. Earlier Ec issued vide SEIAA-TN vide Lr. No. SEIAA-
TN/F.No.6283/ALR/1(a)/EC-4020/2019, dated: 19.08.2019.
2. SIA/TN/MIN/306843/2023 dt 01.12.2023.
3. Proponent application for EC Amendment dated:13.12.2023.
4. Minutes of the 441st meeting of SEAC held on 31.01.2024.
5. Minutes of the 686th meeting of SEIAA held on 08.01.2024.

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6. Minutes of the 503rd meeting of SEAC held on 04.10.2024.
7. Minutes of the 766th meeting of SEIAA held on 17.10.2024.
8. Minutes of the 511st meeting of SEAC held on 15.11.2024.
9. Minutes of the 524th meeting of SEAC held on 02.01.2025.
10. Minutes of the 789th meeting of SEIAA held on 20.01.2025.

Environmental Clearance was accorded vide Lr.No. SEIAA-TN/F.No.6283/ALR/1(a)/EC-4020/2019, dated: 19.08.2019 to M/s. Chettinad Cement Corporation Private Limited for the Existing Limestone quarry lease over an extent of 32.29.5Ha of Patta land in SF Nos.153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C,165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B,165/10A,165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2E,166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/13,166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18A,166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2C,167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/5B,168/6,168/7A,168/7B,168/8,168/9,168/11A,168/11B,168/12A,168/12B,168/12C,168/13A,168/13B,168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,169/1D,169/1E,169/2,169/3,169/4,169/5,169/6A,169/6B,169/7A,169/7B,169/9,169/10,169/11,169/12,169/13,170/1A,170/1B,170/2,170/3,170/4,170/5A,170/5B,170/5C,170/5D,170/5E,170/6A,170/6B,170/6C,170/7,170/8,170/9A,170/9B,170/10A,170/10B,170/11,170/12,170/13,170/14,170/15,170/16,170/17A,170/17B,170/17C,170/18A,170/18B,170/19,170/20,170/21,170/


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Now, the Proponent has applied Amendment to Environmental Clearance vide Online proposal No. SIA/TN/MIN/306843/2023 dt 01.12.2023.

Remarks of SEAC:

Existing Limestone quarry lease over an extent of 32.29.5Ha of Patta land in SF Nos.153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C,165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B,165/10A,165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2E,166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/13,166/14A,166/14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18A,166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2C,167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/5B,168/6,168/7A,168/7B,168/8,168/9,168/11A,168/11B,168/12A,168/12B,168/12C,168/13A,168/13B,168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,1

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The proposal was placed in this 524th meeting of SEAC held on 02.01.2025. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following among other things:

1. The Project Proponent, M/s. Chettinad Cement Corporation Private Limited has applied seeking amendment and extension of validity of Environmental Clearance for the existing Limestone quarry lease over an extent of 32.29.5Ha of Patta land in SF Nos.153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1


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2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. EC issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.6283/ALR/1(a)/EC-4020/2019, dated: 19.08.2019 for the production of 1874401 Tonnes of Limestone and 325371 Tonnes of Marl for 5 years for the depth of 34m BGL.
4. CCR obtained from MoEF&CC vide Lr. No.EP/12.1/2022-23/SEIAA/56/TN/1915 dated 02.12.2024.



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5. PWD letter no.37m/DB/F.14(A)/2018 dated 13.02.2018.
6. Modified Mining Plan with FMCP was approved by IBM vide Lr.No. TN/ALR/LST/MMP-2095.MDS dated 14.07.2023 vide period 2023-24 to 2025-26.
7. The PP has sought the following amendment to EC:

Reference in EC	Description as per EC	Amendment requested by PP
Conditions for Construction/ Mining Phase, point no.41, Page 22 of 28	".....However the SEAC felt that the 50m safety distance is not sufficient for Marudaiyar River. Hence the project proponent has to provide a total of 100m safety distance from the boundary of Marudaiyar River Course this should be ensured by the District level task force."	"The project proponent has to provide a total of 50m safety distance from the boundary of Marudaiyar River Course"

8. The PP has sought **extension of validity of EC for a period of thirty years** quoting the following from the MoEF&CC Notification S.O. No. 1807(E) dated 12th April 2022:
(iv) *The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.*

9. The proposal was earlier placed in the 441st meeting of SEAC held on 31.01.2024. The SEAC noted that the study report dated 21.11.2023 prepared by the Anna University on impact of change in safety distance of mining on River Marudaiyar and submitted by the PP is not based on actual data that is available with the Water Resources Department. Hence, based on the presentation and the documents furnished by the PP and the EIA Coordinator, the SEAC decided to call revised report on hydrogeology from the PP furnishing:

- (i) Actual data on maximum flow in the River Marudaiyar for past 25 years period considering 100 mm rainfall along with inundation details including the flow direction of River, shall be obtained from the PWD-Water Resources Department of Government of Tamil Nadu.


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- (ii) Actual boundary of the river at the either side of the bank of the river course.
- (iii) To study the Impact of mining activity in the 50m to 100m safety zone from the northern boundary of the River Marudaiyar and to suggest mitigation measures.
- (iv) As seen on the Google imagery furnished by the PP, the Marudaiyar River narrows down near the project site. The possibility of restoration of the river through deepening activities to its original course shall be studied in consultation with the PWD-Water Resources Department of Government of Tamil Nadu.
10. Subsequently, the PP furnished the details sought and hence the subject was taken up for discussion in the **503rd meeting of SEAC held on 04.10.2024** where the SEAC decided to recommend for the grant of the amendment to EC sought by the PP subject to the following conditions and extension of the validity of EC quoting the MoEF&CC Notification S.O. No. 1807(E) dated 12th April 2022 as follows:

“.....Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier”

11. Based on this, the proposal was placed in the **766th meeting of SEIAA held on 17.10.2024** where the views of the member and the chairman was recorded as follows:

Views of the Member, SEIAA:

After going through the report thoroughly titled “Study conducted by the Anna University “Reconstruction of flood Modelling and Hydrogeological study for Periyathirukonam Mine, Ariyaloor District”, by the Member SEIAA, is of the opinion that the study has been conducted very systematically, schematically and scientifically. All the required parameters have been duly integrated and suitable mathematical model has been drawn. Requisite mitigation measures have also been suggested. The report has been gone through by the 12 member technical committee of SEAC, discussed elaboratively and extensively and duly recommended in its 503 SEAC meeting. Moreover the study has been conducted by a very reputed Government organization, Viz. Anna University, which more than two century old, (College of Engineering, Guindy) NAAC accredited with 4++ Grade, No 1 State Public University among all the State Public Universities in India as per the NIRF ranking 2024. Questioning the integrity of the



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institution is also questionable. Hence another study by another organization is totally unwarranted both technically and administratively at this stage.

Views of the Chairman, SEIAA:

The Chairman, SEIAA is of the view that there are myriad of possible environmental impacts due to mining very close to the River Marudiyar. There will be impact on vibrations, land degradation, erosion, air pollution, health issues of locals, biodiversity loss, changes in the riverine ecosystem, sedimentation, loss of Habitat, dust emissions and rapid changes in the aquifer regimes. Considering that the area of mining is large, the river area to be impacted is long, another study through a second reputed agency like IIT is warranted to consider the proponent's request.

It is necessary to draw the best practices, recommendations and mitigation. It is therefore further suggested that SEAC may form a subcommittee to undertake a field inspection to see the nature of work done so far and impact on ground to consider request as made by the proponent. The KML reveals that if quarrying is permitted as requested by the proponent changes in the surface water and ground water changes are likely. Further safety distance of from river is important to maintain water quality, avoid water scarcity, limestone mining close to rivers results in changes in physicochemical characteristics of rivers, effects water flow in rivers and impacts riverine ecosystem and the biodiversity. In case of overflowing, the riverbanks will be breached and jeopardize the mine safety. Therefore, the Chairman, SEIAA decided to refer back the subject to SEAC stating the following:

1. The SEAC may form a subcommittee to undertake a field inspection to see the nature of work done and impact on ground to consider request as made by the proponent.
2. Considering that the area of mining is large, the river area to be impacted is long, another study through a second reputed agency like IIT is warranted to consider the proponent's request.
3. The PP shall furnish a valid and recent report of CCR from the competent authority.
4. The PP shall upload the revised KML file and approved copy of revised mining plan.


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5. Opinion of IRO, MoEF & CC, Chennai Region on the change in the boundary of mine lease area requested by the PP.

11. In view of the above, the proposal was placed in the 511th SEAC meeting held on 15.11.2024. The following are the reply furnished by the PP.

S No	SEIAA Observation	Reply
1.	SEIAA is of the view that there are myriad of possible environmental impacts due to mining very close to the River Marudiyar	<p>Marudaiyar is a seasonal river flowing in the southern side of our lease area.</p> <ul style="list-style-type: none">• River is almost dry throughout the year except during the Northeast monsoon. As such no healthy aquatic environment is observed.• River is seasonal and during rainy seasons, lean flow is observed in this river (Recent Photograph is enclosed).• We have proposed to do mining after leaving 50 m safety distance from the River boundary as given in GO issued by Tamilnadu Government and as per NOC issued by Marudhaiyar River Basin Division, WRD, PWD. And Study conducted by Anna university clearly shows that River flow during peak rainfall of last twenty-five years is restricted within two banks of river.• We do Mining within the 50-100 m area from the River boundary as per IBM approved method scientifically,


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		<p>systematically by utilising the qualified Mining engineers.</p> <ul style="list-style-type: none"> • We propose to protect the Mines side river bank with RCC wall as suggested by the SEAC during the meeting 503 held on 04.10.24. Additionally, protected by dense plantation in 0-50m safety distance area suitable for riverine ecosystem. • Major part of the 50-100m area after mining will be backfilled & restored back to original profile (from the River boundary). Besides, Native plantation will be carried over this backfilled for betterment of ecology and riverine ecosystem. (List attached as <u>Annexure 2</u>) • Hence environmental impacts due to mining minimum and it is mitigated through the above measures. • Diagram explaining the above Operation details & mitigation measures is given in Annexure 4 A & B & C.
2.	<p>There will be impact on vibrations, land degradation, erosion, air pollution, health issues of locals, biodiversity loss, changes in the riverine ecosystem, sedimentation,</p>	<p>Vibration- We operate Non-Conventional method of Mining where there will be no Drilling and blasting. Only ripping is involved for excavation, hence Vibrational effect due to blasting will not there. Land degradation- is not envisaged as we</p>



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<p>loss of Habitat, dust emissions and rapid changes in the aquifer regimes.</p>	<p>restore the original terrain and do plantation using the Native plantation.</p> <p>Erosion – The insitu 50m safety zone from the river will not be disturbed and will also be maintained and as such there will not be any soil erosion on the river side .Besides safety RCC wall, peripheral garland drain will be provided as further improvement measures.</p> <p>Air pollution & Dust emission- Limestone has the Inherent Moisture of 6-8%, hence dust generation would be minimum. Further we sprinkle the water on Haul roads which will control the Fugitive air emission. Health issues to Locals- This mine is Existing Mines. Rate of Production will not exceed the approved quantity. More over the requested 50m to 100m mining area is diagonally opposite to the present village location. Hence, Health issues due to reduction of safety distance from 100m to 50m will not arise. Bio-diversity loss- The 50m to 100m zone is presently free from any vegetation. It is proposed to backfill the major part of mined out area & reclaim it with vegetation which will infact augment the</p>
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	<p>biodiversity positively . The species will be so selected it can improve the riverine ecosystem.</p> <p>We restore original terrain of the mined out area in the 50-100m (from the River boundary). By planting Native species using the plants suitable for riverine ecosystem.</p> <p>Riverine ecosystem- Mining is done 50 m away from the river border and as explained plantation would be carried out with suitable native species to enhance riverine ecosystem. This being a mining project there will not be any process effluent water or its discharge to disturb the eco system.</p> <p>Sedimentation- As per the measures explained in the Sl.no 1, sedimentation will not occur. We construct garland drain along with Dumps and Mines pit connected with siltation pit where all sediments are filtered and clear water is allowed to Passover the nearby water bodies.</p> <p>Loss of Habitat – It is the existing mines and we propose to extend our mining to another 50 meter. New Habits suitable to reverine ecology will be formed by doing plantation as explained above. Rapid</p>
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	<p>changes in the aquifer regimes- As per the lithology, aquifer in our Mines are is unconfined aquifer type. Restoration of Mines to the original terrain will restore the unconfined aquifer.</p> <ul style="list-style-type: none">• Ground water modelling study submitted clearly states that “movement of groundwater was not much affected and no influence is seen due to the mining activity “• Moreover we monitor Ground water level using digital water level recorder (Piezometer), and periodically monitor water quality of Mine pit water and ground water in and mines.• Moreover we monitor Ground water level using digital water level recorder (Piezometer), and periodically monitor water quality of Mine pit water and ground water in and mines as directed by the SEAC now. <p>In the past 5 years, the mine has been operated with non-conventional mining system adopting non-explosive techniques such as ripper, rock breaker, etc which has never produced the vibration levels beyond the permissible limit as given by the DGMS.</p>
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		<ul style="list-style-type: none">• The DMS/Chennai Region & DDMS have inspected the mine to examine the safety aspects including the dust emission in our mine during 2023-2024 as a part of monitoring mechanism.
3.	Considering that the area of mining is large, the river area to be impacted is long, another study through a second reputed agency like IIT is warranted to consider the proponent's request.	<p>We assure that we will take the mitigation measures as explained in the Slide and expected possible environment impacts are controlled by the mitigation measures proposed.</p> <ul style="list-style-type: none">• Anna university is an highly ranked accredited university currently doing study in various central and state government strategic projects and their study results are well recognised by them as study conducted is reliable and results are obtained by considering various important parameters.•Moreover, study conducted by Anna university by using the Advanced modelling Software methodologies. Further, the same kind of methodology is being adopted by most of the academic & research institutions including IIT Madras, NIT Trichy and CSIR Labs. Therefore the results would not be so different.



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		<ul style="list-style-type: none">• So we request you to consider the Study conducted by Anna university for our periyathirukonam mines. Besides we plan to carry out such Hydrological study of the area annually involving the reputed institutions such as Anna University, IIT Madras and NIT Trichy, CSIR Labs in the future.
4.	Further safety distance of from river is important to maintain water quality, avoid water scarcity, limestone mining close to rivers results in changes in physicochemical characteristics of rivers, effects water flow in rivers and impacts riverine ecosystem and the biodiversity.	<ul style="list-style-type: none">• Limestone deposit in this lease is sedimentary deposit of cretaceous age. Basically limestone is an inert material, will not react with water and as such no chemical changes will happen when it comes in contact with water.• The quality of the ground water samples collected both in the limestone deposit area and other non-mineralised area quality in and around lease area is given in the study reports. In spite of lot of mining activities are going on for limestone, it clearly shows that over the decades of limestone beneath the surface, no leachate and change in physico chemical characteristics are observed.• Besides, the water collected in the mine pit sump in all the working mines in the area is supplied to the nearby agricultural lands based on


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	<p>the demand of the locals and as per EC condition and it is used by the locals .</p> <ul style="list-style-type: none">•As such any discharge of it in case of necessity is expected not to cause any physico chemical changes in the river water.•<u>Infact in all the working limestone mines, the mine sump water even from abondeoned mines are used for domestic purposes.</u>•Water quality will not get affected as there is we are doing mining 50 m away from the river border.•As water quality won't get affected and also we won't utilise the water from river there is no possibility of water scarcity.•As per the flood modelling study, River flow during the peak rainfall for last 25 years is within the river banks.•To Maintain the Biodiversity, we do dense plantation in 0-50m safety distance area suitable for riverine ecosystem.•We restore original terrain of the area of Mining done in the 50-100 m (from the River boundary). By doing Native plantation using the plants suitable for riverine ecosystem.•Riverine ecosystem- Most of the
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		<p>time the river remains dry and as such no major ecosystem is observed in the river beds.</p> <ul style="list-style-type: none"> • Besides, Mining is done 50 m away from the river border and as explained plantation would be carried out with suitable native species to enhance riverine ecosystem
5.	<p>In case of overflowing, the riverbanks will be breached and jeopardize the mine safety.</p>	<ul style="list-style-type: none"> • Study conducted by Anna university clearly shows that River flow during peak rainfall of last twenty-five years is restricted within two banks of river. • We protect the Mines side river bank with RCC wall as suggested by the SEAC during the meeting 503 held on 04.10.24. Additionally, we proposed to protect with dense plantation in 0-50m safety distance area suitable for riverine ecosystem. • We do Mining within the 50-100 m area from the river boundary as per IBM approved method scientifically, systematically by utilising the qualified Mining engineers. <p>By protecting the Mines side river bank with RCC wall as suggested and since simultaneous backfilled of the mined-out area is planned during the course of mining in this stretch, such scenario is not expected.</p>

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		<ul style="list-style-type: none"> • Besides, company during planning of its yearly regular monsoon preparedness plan , will also consider this aspect and take adequate necessary precautions by way of men & material. • Apart from the above, we have proposed the 'Standing Orders for withdrawal of persons from the mine in case of apprehended danger' is framed and it will be enforced under the Circular No. 2 of 1978 & Reg. 127 of MMR 1961. • Under the Reg. 61 (f) of MMR 1961, the we have prepared the SOP – Disaster management plan to safe guard the persons (Copy enclosed as Annexure)
S No	SEIAA Query	Reply
1.	Considering that the area of mining is large, the river area to be impacted is long and depth of 34 meters another study through a second reputed agency like IIT is warranted to consider the proponent's request	<p>We would like to bring your kind attention that river area won't be affected as We will implement the mitigation measures as explained below:</p> <ul style="list-style-type: none"> • We have proposed to do mining after leaving 50 m safety distance from the river boundary as given in GO issued by Tamilnadu Government and as per NOC issued by Marudhaiyar River Basin Division, WRD, PWD. And Study



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	<p>conducted by Anna university clearly shows that River flow during peak rainfall of last twenty-five years is restricted within two banks of river.</p> <ul style="list-style-type: none">• We do Mining within the 50-100 m area from the river boundary as per IBM approved method scientifically, Systematically by utilizing the qualified Mining engineers.• Total reserves expected will be exhausted in three years of Mining.• Marudaiyar is a seasonal river flowing in the southern side of our lease area.• River is almost dry throughout the year except during the Northeast monsoon. As such no healthy aquatic environment is observed.• River is seasonal and during rainy seasons, lean flow is observed in this river (Recent Photograph attached).• We propose to protect the Mines side river bank with RCC wall as suggested by the SEAC during the meeting 503 held on 04.10.24. Additionally, protected by dense plantation in 0-50m safety distance area suitable for riverine ecosystem.• We restore original terrain of the area of Mining done in the 50-100 m (from the river boundary). By doing
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		<p>Native plantation using the plants suitable for riverine ecosystem.</p> <ul style="list-style-type: none">• Hence environmental impacts due to mining is minimum and it is mitigated through the above measures.• Diagram explaining the above mitigation measures is given in the Annexure 1.• Moreover, Anna university is highly ranked accredited university currently doing study in various central and state government strategic projects and their study results are well recognised by them as study conducted is reliable and results are obtained by considering various important parameters.• Present study is conducted by Anna university by using the Advanced modelling Software methodologies covering all the aspects desired. List of Projects handled by Anna university is enclosed here.• So, we request you to consider the Study conducted by Anna university for our periyathirukonam mines.
2.	The PP shall furnish a valid and recent report of CCR from the competent authority	We have submitted CCR obtained from IRO- Chennai, MOEFCC to SEIAA.


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3.	The PP shall upload the revised KML file and approved copy of revised mining plan	KML File and approved mining plan already submitted. The same is again submitted
4.	Opinion of IRO, MoEF & CC, Chennai region on the change in the boundary of mine lease are shall be requested by the PP	We are not changing the Mining lease boundary. We proposed to operate within the existing approved mining lease by leaving the 50 m safety distance as per G.O Specified condition of Government of Tamil Nadu and as per the IBM approved mining plan.

12. Based on this, the 511th SEAC meeting held on 15.11.2024 deferred the proposal and called for additional details from the PP as follows:

- i. Certified compliance report from the competent authority (IRO/MoEF&CC, Chennai) for the existing limestone mining activity at the project site by the same lessee.
- ii. The committee also decided to request two expert members, namely, Er. Thanga Prakasam and Dr. D. Narasimhan to examine the view of the Authority on the need to obtain another report from IIT and submit their recommendation to the Committee.

14. The reply submitted by the PP as follows:

S.No	Query	Reply
1	Certified compliance report from the competent authority (IRO/MoEF&CC, Chennai) for the existing limestone mining activity at the project site by the same lessee.	CCR obtained from MoEF&CC vide Lr. No.EP/12.1/2022-23/SEIAA/56/TN/1915 dated 02.12.2024.
2	The committee also decided to request two expert members,	The Sub-Committee site inspection report is given below.


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namely, Er. Thanga Prakasam and Dr. D. Narasimhan to examine the view of the Authority on the need to obtain another report from IIT and submit their recommendation to the Committee.	
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15. The Sub-Committee site inspection report is given below:

Assessment Report of the SEAC Sub-Committee

On the Flood Modelling and Hydrogeological Study for Periyathirukonam Mine, Ariyalur District, Tamil Nadu by Institute for Ocean Management, Anna University, Chennai.

References:

- (i) Minutes of the SEAC 441st Meeting held on 31.01.2024.
- (ii) Report submitted by M/s Institute for Ocean Management, Anna University, Chennai as: Flood Modelling and Hydrogeological Study for Periyathirukonam Mine, Ariyalur District, Tamilnadu by Institute for Ocean Management, Anna University, Chennai.
- (iii) Minutes of the SEIAA 776th meeting held on: 17.10.2024
- (iv) Minutes of the SEAC 503rd Meeting held on: 04.10.2024 and 511th Meeting held on 15.11.2024

History of the Project:

The project proponent M/s.Chettinad Cement Corporation Private Limited (CCCPL) is currently operating a lime stone quarry with an extent of 32.19.5 ha located at Periyathirukonam village, Ariyalur District, Tamil Nadu. The EC was issued by SEIAA on 19.08.2019 with a condition to provide a safety distance of 100 m from Marudhaiyar River Boundary.

In 2023, the project proponent has applied seeking amendment and extended validity of EC for the existing quarry lease. The proposal was placed in 441th meeting of SEAC held on 31.01.2024. During the presentation, the SEAC has decided to call for revised flood modelling as well as Hydrogeological Study before going for Environmental Clearance amendment in respect of reducing the safety distance from 100 m to 50 m.


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After a detailed flood model and hydrogeology study by Anna University, a proposal was placed in the 503th SEAC meeting held on 4.10.2024 with a recommendation to SEIAA for issuing EC mainly with the following conditions:

1. The annual peak production shall not exceed 0.5004 MT of limestone and marl by maintaining the depth of 29 m BGL as per the approved scheme of mining.
2. The PP shall provide a well-built 400 m long RCC retention wall all along the boundary of the mine lease area on the northern side of river Marudhaiyar within a period of six months from the grant of amendment in the environmental clearance.

In the 766th SEIAA meeting held on 17.10.2024, it was decided to refer back the subject to SEAC with the following views:

1. The SEAC may form a subcommittee to undertake a field inspection to see the nature of work done and impact on ground to consider request as made by the proponent.
2. Considering that the area of mining is large, the river area to be impacted is large and depth of 34 meters, another study through a second reputed agency like IIT is warranted to consider the proponent's request.
3. The PP shall furnish a valid and recent report of CCR from the competent authority.

4. The PP shall upload the revised KML file and approved copy of revised mining plan.

The proposal referred back was placed in the 511th SEAC meeting on 15.11.2024 and SEAC has formed a Subcommittee vide:Lr.No.SEAC-TN/F.No.10584/2023/Subcommittee/2024, dated.15.11.2024 to examine the view of the authority on the need to obtain another report from IIT and submit the report.

Accordingly, the subcommittee assessed the Flood Modelling and Hydrogeological Study for Periyathirukonam Mine, Ariyalur District, Tamilnaduprepared by Institute for Ocean Management, Anna University, Chennai and also made a field inspection on 17.12.2024

(i) **Assessment of the Flood Modelling Report by the Sub-Committee:**

Preamble: The sub-committee had thoroughly reviewed the report submitted by the PP on "Reconduct of Flood Modelling and Hydrogeological Study for Periyathirukonam Mine, Ariyalur District, Tamilnadu by Institute for Ocean Management, Anna University, Chennai" with the following objectives observed:

Objective of the Study:

- Flood Estimation:



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To assess the possible flood discharge in the Marudhaiyar River for the design storm of 25-year return period and to estimate water surface elevation near the Periyathirukkonam Mine site.

- Groundwater modelling:
 - a) To simulate the steady state condition of groundwater flow and to find the direction and water table levels around the mine site.
 - b) To simulate the impact of mine with safe distance of 100m from the river bank on the groundwater flow direction and water table levels in and around the site.
 - c) To simulate the impact of mine with safe distance of 50m from the river bank on the groundwater flow direction and water table levels in and around the site.
 - d) To study the impact of refilling of the mined area on groundwater flow direction and aquifer characteristics.

Flood Estimation through Hydrology and Hydraulic Modelling

- a) The study was carried out by IOM, Anna University using the secondary data collected from WRD following the catchment approach.
- b) The catchment area of Marudhaiyar River is 798 sq.km considered in the study and a hydrological and hydraulic model was developed using HEC-RAS software model which is a proven model for such hydrologic and hydraulic simulation studies/ river basin management.
- c) As per the "GUIDELINES FOR PREPARATION OF DPR FOR FLOOD MANAGEMENT WORKS (2018)" published by Central Water Commission (CWC) and as per the as per CWC handbook "Flood Protection, Anti erosion and River Training Works" published in year 2012, design flood selection criteria shall be as follows:

5.1.1 **Embankment for predominantly agricultural areas:** The design flood for this type of embankment is kept 25 years for fixation of crest level.

5.1.2 **Embankments for township or areas having industrial installations:** The design flood for this type of embankment is kept 100 years for fixation of crest level. In the cases where anti erosion measures are proposed along with the embankment then design flood may be kept as 50 years for rural areas and 100 years for urban/industrial areas.in certain special cases, where damage potential justifies.


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- d) Marudhaiyar river basin is ungauged and actual flow records are not-maintained by WRD. The rainfall time series data collected from WRD for 15 years was used to estimate the rainfall – runoff and the maximum flood discharge. Frequency analysis was carried out using CWC guidelines/method and 25 year return period rainfall was estimated at 193mm. Flood simulation model was created using the delineated combined & sub-catchments of Marudhaiyar river from Digital Elevation Model (DEM), topographical survey with cross sections data observed using drone survey, the hydraulic structures such as check dams exist at the upstream and downstream from the mine site.
- e) The peak flow was estimated and checked for flood vulnerability in the mine site. The hydraulic simulations were only completed for the rainfall return period of 1 in 25 years. The study covered for a buffer distance of 50 m and 100 m as safe zone for the operation of lime stone mine as recommended by WRD and SEIAA.
- f) The study report considered for the design flood of 1 in 25 years and the corresponding flood carrying capacity of the existing river cross section was simulated for and recommended that the proposed mine site is safe against any flooding event. The maximum simulated flood discharge as per the unsteady flow for a maximum flood event of 24 hours was estimated at 821.6 m³/s (equal to 28,756 cusecs) for 1 in 25 years event with a maximum water level simulated at 1.5 m from the existing bed level of the river.
- g) A regional groundwater flow model was developed to assess the impact of mining on groundwater hydrology in and around the mining area. An area of 10 km radius from the mine site was considered for the groundwater flow model. The groundwater flow simulation of the unconfined aquifer indicates from northwest to southeast direction during all the scenarios. The flow direction of water did not change with respect to the Baseline Scenario. The groundwater level around the mine has variations with different scenarios were assessed. When the width of mine is extended such that the safe distance to be 50m, the movement of groundwater was not much affected and no influence is seen due to the mining activity.

Based on the view of SEIAA, the SEAC had given comments as tabulated below and the assessment by the Sub-Committee based on the site inspection and thorough review of the report submitted by proponent;



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Sl. No.	Comments by SEAC	Assessment by Sub-Committee of SEAC
1.	<p>Actual data on maximum flow in the River Marudaiyar for past 25-year period considering 100 mm rainfall along with inundation details including the flow direction of river, shall be obtained from the PWD, Water Resources Department of Government of Tamil Nadu.</p>	<ul style="list-style-type: none"> • Marudhaiyar river basin is ungauged and actual flow records are not maintained by WRD. The proof for the same is presented in Annexure (4) in page number 131 of the report. • Hence, daily rainfall time series data for 15 years were used to estimate the rainfall – runoff and the maximum flood discharge. Frequency analysis was carried out using CWC guidelines/method. • The peak flow for 1 in 25 years return period only was estimated and checked for flood inundation in the mine site. • The maximum simulated flood discharge as per the unsteady flow for a maximum flood event of 24 hours was estimated at 821.6 m³/s (around 28,756 cusecs) for 1 in 25 year event. However, the maximum flood discharge for 50 year and 100 year events shall be higher than the flow considered for 1 in 25 year. The hydraulic flood simulations for 1 in 50 years and 1 in 100 years shall be computed. The peak discharge for 1 in 100 years flood event as per the CWC guidelines shall be estimated and used for the scour depth calculations for designing the proposed flood impact

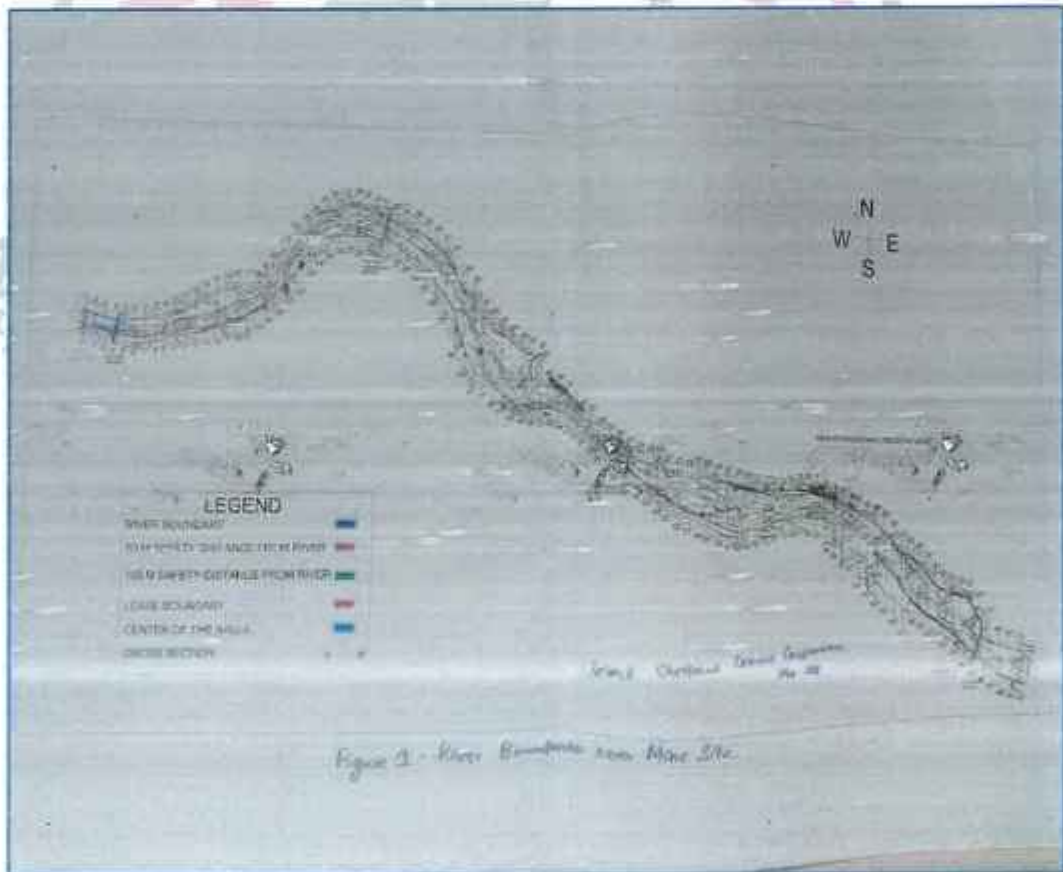

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		mitigation solutions conforming to IS code for the design of water retaining structures.
2.	Actual boundary of the river at the either side of the bank of the river course.	The drone survey was carried out by the proponent from PoiyyurCheckdam (upstream of mine site) to SundakudiCheckdam (downstream of mine site). The River boundary at either side of the bank of the river course was used in the hydrologic and hydraulic model. The same is shown in Figure 1. Actual boundary shall be marked in consultation and as approved by WRD.
3.	To study the Impact of mining activity in the 50m to 100m safety zone from the northern boundary of the River Marudaiyar and to suggest mitigation measures.	Flood inundation mapping is done for 25 year flood and it is seen from the Figure 2 that the left side of the river bank wherein the mine site is located is not inundated due to the fact that the same is 4 m higher than the existing bed level. Hence, the mining activity will not affect the flood zone of 25 year flood and the study recommended the mining area between 50 to 100m from the river bank. This aspect was sufficiently addressed in the study report furnished by proponent.
4	As seen on the Google imagery furnished by the PP, the Marudaiyar River narrows down near the project site. The possibility of restoration of the river through deepening activities to its original course shall be studied in	Figure 3 shows the portion of Toposheet No. C44B4 (1970) that depicts the river reach near the mine site and the river reach is not considerably narrowed down near the mine site.


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<p>consultation with the PWD-Water resources Department of Government of Tamilnadu.</p>	<p>Figure 4 shows the google image of the same reach during the year 2022. The river width near the river site is not changed as seen from this Figure. Instead, the river width before the mine site is widened which may be due to siltation.</p> <p>This will be safe for the flood mitigation point of view for 1 in 25 year event.</p>
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Figure 1 River boundaries near Mine Site from Drone Survey



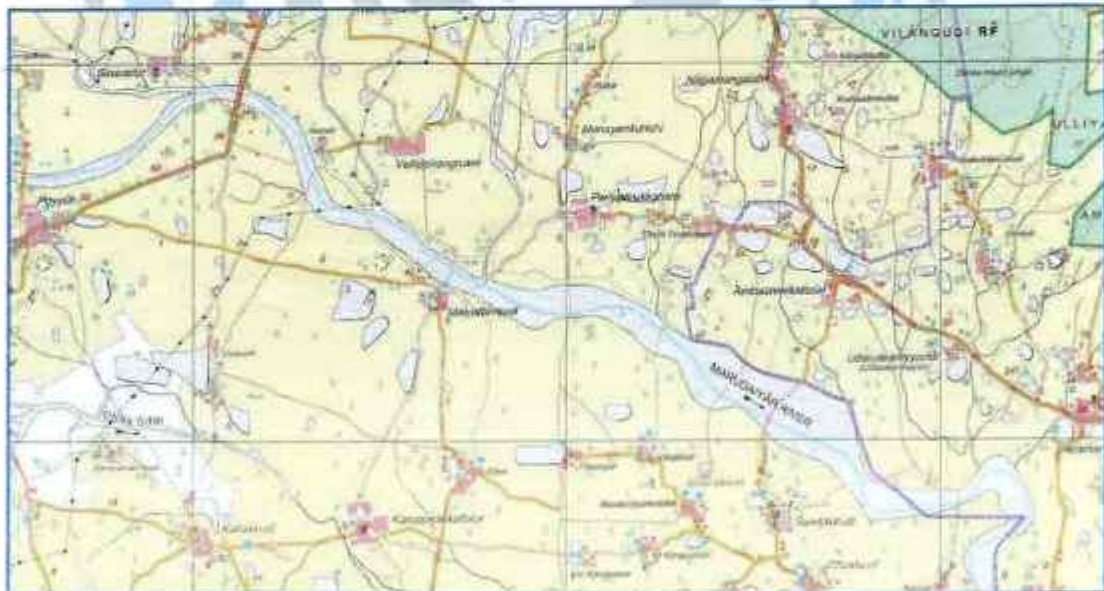
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AW

Figure 2 Flood inundation mapping is done for 25-year flood as per Anna University Study



Figure 3 Shows the portion of Toposheet No. C44B4 (1970)

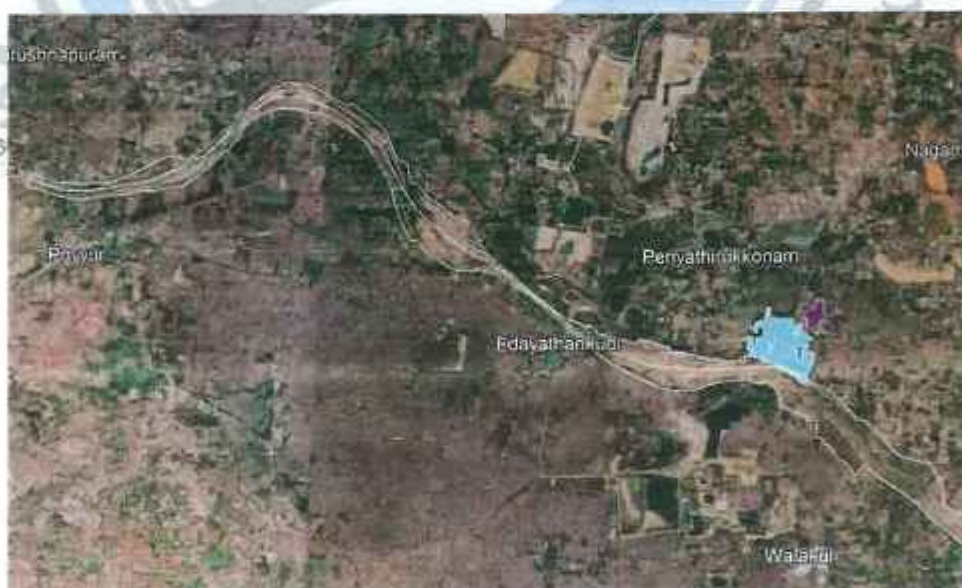


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Figure 4 Shows the google image of the same reach during the year 2022.



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(ii) Assessment of the Sub-Committee based on Field Inspection

SEIAA View

- The SEAC may form a sub-committee to undertake a field inspection to see the nature of work done and impact on ground to consider request as made by the proponent.
- Considering that the area of mining is large, the river area to be impacted is large and depth of 34 meters, another study through a second reputed agency like IIT is warranted to consider the proponent's request.

The above sub-committee had undertaken a field inspection on 17.12.2024 in the presence of respective officials from Marudhaiyar Sub-Division, Water Resources Department (WRD) and proponent as shown from below photographs



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From the field inspection by the Sub-Committee, the following observations are made:

- (i) The mine site is located on the left bank of Marudhaiyar River and the lowest bed level as reported by WRD officials at 46 m and the top of bund level varies from 48 m to 50 m above MSL. There is a 4 m elevation difference from river bed level to top bund level on the left bank/mine site.
- (ii) The left bank earthen bund was observed varying heights consisting of vegetation as bank protection measure.
- (iii) **The proponent shall provide a well-built 400 m long RCC retention wall or any other river bank protection measure as per WRD norms all along the northern side of river Marudhaiyar (left bank) following due recommendations of CWC and relevant IS codes.**
- (iv) The Sub-Committee further suggested to reprofile the entire left bank uniformly with a top bund level at 51 m with bank protection measures with improved vegetation and the top bund should be provided with a minimum width of 4.50 m to act as inspection road facility through a jeep for easy maintenance of WRD officials.


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- (v) Considering that the area of mining is large, the river area to be impacted is long and depth of 34 m as viewed by SEIAA, another study through a second reputed agency like IIT is not warranted.

(iii) Conclusion on the Assessment of the Sub-Committee and Recommendation

- a) After review and assessment of the Flood Model report submitted by the proponent, the sub-committee received clarifications from the experts who prepared the report and together corroborating with the filed inspection carried out on 17.12.2024 in the presence of Water Resources Department officials.
- b) The Sub-Committee is of the opinion that the flood model study report submitted by the proponent considered the required aspects of hydrological and hydraulic analysis with catchment approach using the proven HEC-HMS & HEC – RAS hydraulic model for 1 in 25 year event.
- c) The proponent shall provide a well-built 400 m long RCC retention wall or any other river bank protection measure as per the WRD Norms for the design of water retaining structures all along the northern side of river Marudhaiyar (left bank). The peak discharge shall be estimated and used for the scour depth calculations for designing the proposed concrete retaining wall conforming to IS code for the design of water retaining structures.
- d) Further, the proponent should be instructed to complete the bund strengthening/reprofiling work as recommended by the Sub-Committee which can be further checked by WRD and proponent request may be approved.
- e) Hence, the report can be accepted and no more further study is required by any other institutions.

13. Based on the above, the proposal was again placed in this 524th meeting of SEAC held on 02.01.2025. The SEAC after detailed discussions, decided to accept the recommendations of the Subcommittee and decided that another study by IIT is not required and therefore to reiterate the recommendation already made in the 503rd meeting of SEAC held on 04.10.2024 where the SEAC decided to recommend for the grant of the amendment to EC sought by the PP subject to the following conditions and extension of the validity of EC quoting the MoEF&CC Notification S.O. No. 1807(E) dated 12th April 2022 as follows:



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“.....:Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier”

as requested by the PP. All other conditions & validity mentioned in the EC dated 19.08.2019 shall remain unchanged & unaltered.

1. The PP should ensure that 50% tippers used to be fitted with permanently covered with hydraulic cover within the truck for transportation of materials. The model image of closed body trailers is shown in the ref 1st.
2. The PP should ensure that 10% vehicles to be used are e-vehicles.




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Ref 1: Transportation of Crushed material through trailer with closed body steel top

Discussion of SEIAA:

Existing Limestone quarry lease over an extent of 32.29.5Ha of Patta land in SF

Nos.153/16,153/17,153/18,153/19,153/20,160/11,160/12,160/13A,160/13B,160/13C,161/4B,161/5,161/6,161/7,161/8,161/9,161/10,161/15,162/1,162/2,162/3A,162/3B,162/4A,162/6A,162/6B,162/6C,162/7,162/8,162/9,162/10,162/11A,162/11B,163/1,163/2A,163/2B,163/2C,163/3,163/4,163/5,163/6,163/9,163/10,163/11,163/12A,163/12B,163/12C,163/13,163/14,163/15,163/16,163/17,163/18,163/19,163/20A,163/20B,163/20C,163/21,163/22,163/23,163/24,163/25,163/26,163/27,164/1A,164/1B,164/1C,164/2A,164/2B,164/2C,164/3,164/4,164/5,164/6,164/7,164/8A,164/8B,164/9A,164/9B,164/10A,164/10B,164/10C,164/11A,164/11B,164/12A,164/12B,164/12C,164/12D,164/12E,164/12F,164/13A,164/13B,164/14A,164/14B,164/15A,164/15B,164/15C,164/16A,164/16B,164/16C,164/16D,164/16E,164/16F,165/1,165/2,165/3A,165/3B,165/3C,165/3D,165/4A,165/4B,165/4C,165/5,165/6,165/7A,165/7B,165/8A,165/8B,165/8C,165/8D,165/8E,165/8F,165/9A,165/9B,165/10A,165/10B,165/10C,165/11A,165/11B,165/11C,165/11D,165/12,165/13A,165/13B,165/14,165/15,165/16,165/17,165/20,165/21A,165/21B,165/22,165/23,166/1,166/2A,166/2B,166/2C,166/2D,166/2E,166/3,166/4,166/5,166/6A,166/6B,166/6C,166/7,166/8,166/9,166/10A,166/10B,166/11,166/12,166/13,166/14A,166/

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14B,166/15A,166/15B,166/15C,166/16A,166/16B,166/16C,166/17A,166/17B,166/18A,166/18B,166/18C,166/18D,166/18E,166/18F,166/18G,166/18H,166/18I,167/1,167/2A,167/2B,167/2C,167/2D,167/3,167/4,167/5,167/6,168/1A,168/1B,168/2A,168/2B,168/3,168/4A,168/4B,168/5A,168/5B,168/6,168/7A,168/7B,168/8,168/9,168/11A,168/11B,168/12A,168/12B,168/12C,168/13A,168/13B,168/13C,168/13D,168/14,168/16A,168/16D,169/1A,169/1B,169/1C,169/1D,169/1E,169/2,169/3,169/4,169/5,169/6A,169/6B,169/7A,169/7B,169/9,169/10,169/11,169/12,169/13,170/1A,170/1B,170/2,170/3,170/4,170/5A,170/5B,170/5C,170/5D,170/5E,170/6A,170/6B,170/6C,170/7,170/8,170/9A,170/9B,170/10A,170/10B,170/11,170/12,170/13,170/14,170/15,170/16,170/17A,170/17B,170/17C,170/18A,170/18B,170/19,170/20,170/21,170/22,170/23,170/24,170/25,170/26,170/27,170/28,170/31,170/32A,170/32B,170/32C,170/32D,170/32E,170/32F,172/2,172/3,172/4,172/6A,172/6B,172/6C,172/6D,172/7A,172/7B,172/8,172/9,172/10,172/11,172/12,172/13,172/14A,172/14B,172/15,172/16A,172/16B,172/17,172/18,172/19,172/20,172/21,172/22,172/23,172/24,172/25,172/26,172/27,172/28,174/1,174/2,174/3,174/4,177/2,177/3,177/4,177/5,177/6,177/7,177/9,177/10,177/11,177/12,177/13,177/14,177/15,177/16A,177/16B,177/17,177/18,177/19,177/20,177/21,177/22A,177/22B,177/23,177/24,177/25,177/26,177/27,177/28,177/29,177/30,178/1A,178/1B,178/1C,178/2A,178/11,178/12C,178/13A,178/13B,178/13C,Periyathirukonam Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. Chettinad Cement Corporation Private Limited – For Amendment to EC and extension of validity of Environmental Clearance. (SIA/TN/MIN/306843/2023

The SEIAA noted that the subject was placed in the 524th meeting of SEAC held on 02.01.2025. The SEAC has reiterated its recommendation already made in the 503rd meeting of SEAC held on 04.10.2024 for the grant of the amendment to EC and extension of the validity of EC subject to the conditions stated therein.

The Authority noted the following:

1. Earlier EC issued vide Lr. No. SEIAA-TN/F.No.6283/ALR/1(a)/EC-4020/2019, dated: 19.08.2019.
2. Modified Mining Plan with FMCP was approved by IBM vide Lr.No. TN/ALR/LST/MMP-2095.MDS dated 14.07.2023 vide period 2023-24 to 2025-26.

The Authority, after detailed discussions, taking into account the recommendations of SEAC decided to grant the following:



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I. AMENDMENT TO EC:

The Authority decided to recommend the following amendment to the EC dated: 19.08.2019 subject to the following condition:

S.No	Reference in EC	Description as per EC	Amendment Recommended
1	Conditions for Construction/ Mining Phase, point no.41, Page 22 of 28	".....However the SEAC felt that the 50m safety distance is not sufficient for Marudaiyar River. Hence the project proponent has to provide a total of 100m safety distance from the boundary of Marudaiyar River Course this should be ensured by the District level task force."	"The project proponent has to provide a total of 50m safety distance from the boundary of Marudaiyar River Course"

- All the recommendations mentioned in the assessment report of the SEAC Sub-Committee should be followed and the cost spent towards the measures should be included in the EMP.
- The PP should strictly take action for the below mentioned points already cited in the Assessment Report of the Sub-Committee and their Recommendation:

"...c) The proponent shall provide a well-built 400 m long RCC retention wall or any other river bank protection measure as per the WRD Norms for the design of water retaining structures all along the northern side of river Marudhaiyar (left bank). The peak discharge shall be estimated and used for the scour depth calculations for designing the proposed concrete retaining wall conforming to IS code for the design of water retaining structures.

d) Further, the proponent should be instructed to complete the bund strengthening/reprofiling work as recommended by the Sub-Committee which can be further checked by WRD and proponent request may be approved..."

- The mining operation should not reflect any adverse impact on the groundwater regime.

II. EXTENSION OF EC:



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The Authority decided to accept the recommendation of SEAC and grant extension to EC dated: 19.08.2019 and is strictly valid as per the Modified Mining Plan dated 14.07.2023.

Mineable reserve as on 01.04.2023 (Including locked up reserves)			1.399 Mil.T
Proposed production during plan period (2023-24 to 2025-26)			1.3048 Mil.T
Year	Material	Production (T)	Total Production (in T)
2023-24	Lime Stone	2,93,772.60	4,04,355.42
	Marl	1,10,582.82	
2024-25	Lime Stone	3,41,766.90	4,50,268.02
	Marl	1,08,501.12	
2025-26	Lime Stone	3,43,339.20	4,50,196.34
	Marl	1,06,857.14	
At the end of the Mining Plan production			13,04,819.78
Balance Reserves available after present period			0.0945 Mil.T

Based on the above table, Life of mine is calculated to be 3 years of current mining period + 1 year for mining 0.0945 million Tonnes + 2 years for final mine closure plan activities. Total proposed life of mine is 6 years (From 2023-24 to 2028-29).

This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
3. All other conditions mentioned in the EC vide Lr. No. SEIAA-TN/F.No.6283/ALR/1(a)/EC-4020/2019, dated: 19.08.2019 shall remain unchanged.
2. The mining activity should not result damage in soil erosion, loss of biodiversity, agricultural/horticultural crops and livelihood activities in the surrounding area.
3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project


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life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.

4. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
5. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.
6. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.
7. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
8. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.
9. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. A copy of the half yearly compliance report should be mailed to envcompseiaatn@gmail.com.
10. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.


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The plantation of saplings shall be carried out in the earmarked greenbelt area as a part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>).


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Copy to:

1. The Secretary, Ministry of Mines, Government of India, ShastriBhawan, New Delhi.
2. The Principal Secretary to Government, Environment and Forests Department, Tamil Nadu.
3. The Additional Chief Secretary to Government, Natural Resources Department, Tamil Nadu.
4. The Additional Principal Chief Conservator of Forests, Regional Office (SZ), 34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai – 34.
5. The Chairman, Central Pollution Control Board, PariyeshBhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
6. The Chair Person, TNPC Board, 76, Mount Salai, Guindy, Chennai-32
7. The District Collector, Ariyalur District
8. The Commissioner of Geology and Mines, Guindy, Chennai-32
9. Assistant Director, Department of Geology & Mining, Ariyalur District
10. EI Division, Ministry of Environment & Forests, ParyavaranBhawan, New Delhi.
11. File Copy

Tel. No. 04329-221972
E-Mail dfoariyalur@gmail.com

Tamil Nadu Forest Department

From	To
Thiru A.S. Mohan Ram, M.Sc., District Forest Officer, Ariyalur Forest Division, Ariyalur.	Vice President (Mines), Chettinad Cement Corporation Private Limited, Kilapaluvur (P.O) Ariyalur.

C.No.2928/2017/P dated.23.03.2018.

Sir,

- Sub : Request for issue of "No Environmental sensitive areas, protected areas as per Wild-Life Protection Act, 1972" in 10km radius from the Mining Lease area of 32.29.2 hectares in Periyathirukonam villages Ariyalur Taluk & District Tamilnadu - reg
- Ref 1) Letter from Chettinad Cement, Ariyalur, No. Nil Dated 23.03.2018
2) Forest Range Officer, Ariyalur Letter dated: 23.03.2018.

With reference to your letter 1st cited above and report submitted by the Forest Range Officer, Ariyalur vide reference 2nd cited above, I wish to inform that distance between Karaivetti Birds Sanctuary and Periyathirukonam Mining lease of 32.29.2 hectares in Periyathirukonam village of Ariyalur Taluk and District, Tamilnadu is more than 10 kilometers.

C. Sivadas
23-03-2018
District Forest Officer
Ariyalur Forest Division,
Ariyalur.

Tamil Nadu Forest Department

From

Thiru A.S. Mohan Ram, M.Sc.,
District Forest Officer,
Ariyalur Forest Division,
Ariyalur.

To


Vice President (Mines),
Chettinad Cement Corporation Private
Limited,
Kilapaluvur (P.O)
Ariyalur.

C.No.2928/2017/P dated.23.03.2018.

Sir,

- Sub : Issue of "No Forest land Certificate" – Mining Lease area of 32.29.2 hectares in Periyathirukonam villages and its 10km radius from the mining lease area, Ariyalur- District Tamilnadu - rog
- Ref 1) Letter from Chettinad Cement, Ariyalur, No. Nil dated 23.03.2018.
2) Forest Range Officer, Ariyalur Letter dated: 23.03.2018.

With reference to your letter 1st cited above as per the Forest Range Officer, Ariyalur report in the reference 2nd cited I wish to inform that "No Forest land is involved" in the Mining lease area of 32.29.2 hectares in S.F.No.153/16, 153/17, 153/18 of Periyathirukonam village, Ariyalur Taluk and District Tamilnadu.


22-03-2018
District Forest Officer
Ariyalur Forest Division,
Ariyalur.

CCCPL/AW/MINES/PTK/03/2019/Misc

24.08.2019

To

The President

Periyathirukonam Panchayat

Periyathirukonam

PIN: 621701

Ariyalur District

Sir,

Sub: Environment Clearance copy – Chettinad Cement Corporation Private Ltd.,
Periyathirukonam Lime Stone Mines – reg.

Ref: EC No.: SEIAA-TN/F No.-6283/ALR/1(a)/EC – 4020/2019 dt. 19.08.2019

With reference to the subject cited above, we obtained Environment Clearance from SEIAA for our Periyathirukonam Lime Stone mines operation. Copy of EC is enclosed for your kind reference. This is for your kind information.

For Chettinad Cement Corporation Private Limited.



Sr. Vice President - Mines

Encl: EC copy


தலைவர்
29-08-2019
பரியதிருக்கோணம் ஊராட்சி

Tel. No. 04329-221972
E-Mail dfoariyalur@gmail.com

Tamil Nadu Forest Department

From	To
Thiru A.S. Mohan Ram, M.Sc., District Forest Officer, Ariyalur Forest Division, Ariyalur.	Vice President (Mines), Chettinad Cement Corporation Private Limited, Kilapaluvur (P.O) Ariyalur.

C.No.2928/2017/P dated.23.03.2018.

Sir,

- Sub : Request for issue of "No Environmental sensitive areas, protected areas as per Wild-Life Protection Act, 1972" in 10km radius from the Mining Lease area of 32.29.2 hectares in Periyathirukonam villages Ariyalur Taluk & District Tamilnadu - reg
- Ref 1) Letter from Chettinad Cement, Ariyalur, No. Nil Dated 23.03.2018
2) Forest Range Officer, Ariyalur Letter dated: 23.03.2018.

With reference to your letter 1st cited above and report submitted by the Forest Range Officer, Ariyalur vide reference 2nd cited above, I wish to inform that distance between Karaivetti Birds Sanctuary and Periyathirukonam Mining lease of 32.29.2 hectares in Periyathirukonam village of Ariyalur Taluk and District, Tamilnadu is more than 10 kilometers.

C. Srinivas
23-03-2018
District Forest Officer
Ariyalur Forest Division,
Ariyalur.

Tamil Nadu Forest Department

From

Thiru A.S. Mohan Ram, M.Sc.,
District Forest Officer,
Ariyalur Forest Division,
Ariyalur.

To


Vice President (Mines),
Chettinad Cement Corporation Private
Limited,
Kilapaluvur (P.O)
Ariyalur.

C.No.2928/2017/P dated.23.03.2018.

Sir,

- Sub : Issue of "No Forest land Certificate" – Mining Lease area of 32.29.2 hectares in Periyathirukonam villages and its 10km radius from the mining lease area, Ariyalur- District Tamilnadu - rog
- Ref 1) Letter from Chettinad Cement, Ariyalur, No. Nil dated 23.03.2018.
2) Forest Range Officer, Ariyalur Letter dated: 23.03.2018.

With reference to your letter 1st cited above as per the Forest Range Officer, Ariyalur report in the reference 2nd cited I wish to inform that "No Forest land is involved" in the Mining lease area of 32.29.2 hectares in S.F.No.153/16, 153/17, 153/18 of Periyathirukonam village, Ariyalur Taluk and District Tamilnadu.


22-03-2018
District Forest Officer
Ariyalur Forest Division,
Ariyalur.

Chettinad Cement/Ariyalur/PTK Mine /PERM/2017

29th Mar, 2017

Chief Engineer,
State Ground and Surface Water Resources Data Centre
Tharamani,
Chennai - 600 113.

Sir,

Sub : Submission of Application seeking of NoC for dewatering from Periyathirukonam Limestone Mine Pit (Mining Lease RC.No.7135/MM1/2010 dated 09.01.2017-Extent-32.29.5 Hectares) of Chettinad Cement Corporation Limited, located at Periyathirukonam Village, Ariyalur Firka, Ariyalur Taluk of Ariyalur District, Tamilnadu

Ref : (1) NGT Order dated 15.04.2016/23.04.2015/09.07.2015 & Judgment dated 11.01.2016 regarding submission of application for obtaining permission from Central Ground Water Authority
(2) Public Notice dated 04.01.201 issued by Central Ground Water Authority , Ministry of Water Resources, River Development and Ganga Rejuvenation advising submission of application for getting NoC by 31.03.2017

In compliance with NGT order, we are submitting herewith the application seeking NoC/Permission for dewatering from Periyathirukonam Limestone Mine pit of Chettinad Cement Corporation Limited, located at Periyathirukonam Village, Ariyalur Firka, Ariyalur Taluk of Ariyalur District Tamilnadu.

In this connection, we are herewith submitting the duly filled application Form, as per Tamilnadu State Ground and Surface Water Resources Department with following appendices.

- a. Copy of Mining Lease granted by Government of Tamilnadu (**Appendix 1**)
- b. Copy of Registered Lease Agreement (**Appendix 2**)
- c. Copy of combined FMB Sketch (**Appendix 3**)
- d. Copy of Topo sketch (**Appendix 4**)
- e. Copy of Chitta (**Appendix 5**)

- f. Copy of letter submitted to Revenue Inspector of Periyathirukonam Village, with acknowledgement of receipt for obtaining following certificates (**Appendix 6**)
- Certificate on Spacing between Mine Pit & surrounding wells (Annexure –I)
 - Certificate on Spacing between Mine pit and Palar river bank (Annexure-II)
 - Certificate on Spacing between Mine pit and Selected River banks (Annexure-IV)
 - Certificate on Spacing between Mine pit and Sea coast (Annexure-V)
- g. Copy of letter submitted to Block Development Officer (as Panchayat Chairman post is vacant) seeking NoC for the proposed quantity of use with acknowledgement of receipt/proof of dispatch through Speed Post (**Appendix 7**)
- Certificate for pumping mine pit water (Annexure –III)
 - Certificate for the operation of mine & inability to supply surface water (Annexure-IX)
- h. Undertaking (**Appendix 8**) letter regarding
- ✓ Certificate of Assurance for Construction of RWH facility (Annexure –VII)
 - ✓ Certificate of Assurance for Erection and handing over one borewell to the State Ground and Surface Water Resources Data Centre for observation of water level and quality (Annexure – VIII)
 - ✓ Undertaking for Pumping test for issuing NOC
- j. Indemnity Bond with Notary public attestation(**Appendix 9**)
- k. Copy of Mining Lease enclosed as Appendix – 1 may please be referred for the ownership of mining area. Hence Encumbrance Certificate not enclosed.
- l. Copy of Acknowledgement of EC application (**Appendix 10**)
- m. Copy of Board Resolution authorizing Mr.M. Anandharaja, DGM (Geo) (**Appendix 11**)
- n. Demand Draft (No. 160284 dated 24.03.2017)for Rs. 6000 /- drawn in favour of Executive Engineer, Ground Water Division, Chennai towards processing fee.

The following document required to be submitted along with the application specified by State Ground Water Resources Department, Tamilnadu are not applicable as explained below.

- As this is a new Mining Lease, EB connection will be applied before commencement of mining operations under Commercial category – Hence the Certificate of Assurance (Annexure – VI) for changing EB service from agriculture to Commercial is not applicable.

We also herewith submit the duly filled application form as per Central Ground Water Authority - Format for obtaining permission to dewater from Mine pits with relevant supporting documents as mentioned below.

- i. Copy of Mining Lease granted by Government of Tamilnadu and Registered Lease Agreement (**Document 1**)
- ii. Site Plan (**Document 2**)
- iii. Mining Plan Approval (**Document 3**)
- iv. Topo Sketch (**Document 4**)
- v. Details of village showing 10km radius (**Document 5**)
- vi. Environmental Management Plan & Ground Water Level -Based on Hydro-geological Study & Ground water quality (**Document 6**)

We kindly request your goodself to consider our application and grant us the NoC/Permission at the earliest.

Yours faithfully,

for **Chettinad Cement Corporation Limited**

M. Anandharaj

M. Anandharaj

Authorised Signatory



CC to:

**Member Secretary
Central Ground Water Authority,
New Delhi**

GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT
PUBLIC WORKS DEPARTMENT

From
Er. C.T. Sankar, B.E.,
Chief Engineer, PWD. WRD,
State Ground and Surface Water
Resources Data Centre,
Tharamani, Chennai-113.

To
M/s. Chettinad Cement corporation
Limited,
Chettinad Towers,
603, Anna salai,
Chennai 600006.

Lr. No: OT9 / AG3 / NOC – Mining/ 2017 / dt: // .4. 2017

Sir,

Sub: NOC for Limestone Mine Pit Dewatering (Harvested rain water) – applications – regarding.

- Ref:
- 1.G.O.Ms.No.142 Public Works (R2) dept. datad 23.07.2014
 2. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/PTK Mine/PERM/2017 dt.29.03.2017.
 3. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Karikkal/Dholipatti Mine/PERM/2017 dt.29.03.2017.
 4. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/PPM Mine/PERM/2017 dt.29.03.2017.
 5. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/KRP-KLP Mine/PERM/2017 dt.29.03.2017.
 6. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/AMD Mine/PERM/2017 dt.24.03.2017.
 7. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Ariyalur//KRP(SEN) Mine/PERM/2017 dt.29.03.2017.
 8. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Ariyalur/AZUR Mine/PERM/2017 dt.29.03.2017.
 9. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Ariyalur/AMD Mine/PERM/2017 dt.29.03.2017.
 10. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Ariyalur/ATK Mine/PERM/2017 dt.29.03.2017.
 11. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Ariyalur/SEN Mine/PERM/2017 dt.29.03.2017.
 12. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Ariyalur/KLK Mine/PERM/2017 dt.29.03.2017.
 13. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Karikkal/Seethai Nagar Mine/PERM/2017 dt.29.03.2017.
 14. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/PPM-EDK Mine/PERM/2017 dt.29.03.2017.
 15. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/Arungal Mine/PERM/2017 dt.29.03.2017.
 16. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/OLP Mine/PERM/2017 dt.29.03.2017.

17. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/NKM Mine/PERM/2017 dt.29.03.2017.
18. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/UNJ Mine/PERM/2017 dt.29.03.2017.
19. Chettinad Cement Corporation Limited Lr.No. Chettinad Cement/ Karikkal/Devarmalai Mine/PERM/2017 dt.29.03.2017.
20. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Ariyalur/PPM-1 Mine/PERM/2017 dt.29.03.2017.
21. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Karikkali/Cement CCP & Colony/SGWB/NOC/772 dt.28.03.2017
22. Chettinad Cement Corporation Limited Lr. No. Chettinad Cement/ Puliyur/Cement & CPP/PERM/2017/1050/Dt.27.03.2017.

With reference to your letters cited above, the Firm has submitted twenty one (21) numbers of application to this office for seeking NOC for Dewatering from limestone mine pits.

In this connection, it is informed that as per Government order cited in the 1st reference, NOCs are being issued to the water based industries to draw Groundwater from borewell / open well for their industrial purpose. However some clarification has been sought for from the government to issue NOC for the dewatering in mining process as required by you.

Meanwhile it is requested to furnish the following required details and particulars pertaining to the proposals / applications submitted.

1. For what purpose, the Groundwater clearance certificate is needed for you
2. Is the required NOC for the Existing mining industry or for new one or for expansion of the mining area?
3. If any Groundwater clearance –NOC- for dewatering is obtained before, the copy of NOC may be furnished with the validity period and the renewal status.
4. Total project area and Quantum of Groundwater proposed to be dewatered and the purpose for which the pumped water proposed to be use.
5. No. of abstractions and depth of the structures proposed to be dewatered and the mode of dewatering.
6. Details regarding the surrounding area of the mining project, whether it is Agricultural land or barren land or residential area and nos of agricultural wells and drinking water scheme wells existing in the surrounding area.

7. What are the remedial measures proposed to be taken to prevent the declining of groundwater level, groundwater potential, and the quality of water in the area.
8. Total period proposed to carryout mining and dewatering in the area
9. Remedial measures proposed considering the adverse effect that may arisen on long term basis of the proposed
10. The details regarding the usage of rainwater stored in the open mine pit during monsoon / rainy season is to be furnished.

It is requested to furnish the above said details for each proposals submitted separately to this office at early.

Sd /-Er. C.T. Sankar/11.04.2017
Chief Engineer (SG&SWRDC)
PWD, Tharamani, Chennai-113

S. Sankar
For Chief Engineer (SG&SWRDC)
PWD, Tharamani, Chennai-113

S. Sankar
11/4/17

**GROUNDWATER CLEARANCE/NOC- MINING PROJECTS- DEWATERING -
Chettinad Cement**

SL. NO	NAME OF THE INDUSTRY	Name of the mine project	Application Received Date	Village /Firka/Taluk	District	Category
1	Chettinad Cement Corporation Limited	Periyathirukonam Limestone Mine	05.04.2017	Periyathirukonam / Nagamangalam/ Ariyalur	Ariyalur	Safe
2	Chettinad Cement Corporation Limited	Dholipatti Limestone mine	05.04.2017	Dholipatti/ Palayam/ Vedasandur/	Dindigul	Over Exploited
3	Chettinad Cement Corporation Limited	Pudupalayam-II Limestone Mine	05.04.2017	Pudupalayam/Nagamangalam/Ariyalur	Ariyalur	Safe
4	Chettinad Cement Corporation Limited	Karuppur Senapathy and Keelapalur Limestone Mines.	05.04.2017	Karuppur Senapathy-Keelaputhur/ Nagamangalam- Keelaputhur/ Ariyalur	Ariyalur	Safe
5	Chettinad Cement Corporation Limited	Aminabad Limestone Mines	05.04.2017	Aminabad/Ariyalur/Ariyalur	Ariyalur	Safe
6	Chettinad Cement Corporation Limited	Karuppur Senapathy Limestone Mines.	05.04.2017	Karuppur Senapathy/ Nagamangalam/ Ariyalur	Ariyalur	Safe
7	Chettinad Cement Corporation Limited	Azur Limestone Mines	05.04.2017	Azur/Keelapuliyur/ Kunnam	Perambalur	Semicritical
8	Chettinad Cement Corporation Limited	Aminabad Limestone Mines	05.04.2017	Aminabad/Ariyalur/ Ariyalur	Ariyalur	Safe
9	Chettinad Cement Corporation Limited	Alanthuraiyarkattalai Limestone	05.04.2017	Alanthuraiyarkattalai/ Nagamangalam/ Ariyalur	Ariyalur	Safe
10	Chettinad Cement Corporation Limited	Sendurai Limestone Mines	05.04.2017	Sendurai/Sendurai/ Sendurai	Ariyalur	Semicritical
11	Chettinad Cement Corporation Limited	Kallankurichi Limestone Mines	05.04.2017	Kallankuruchi/Ariyalur/ Ariyalur	Ariyalur	Safe

Chettinad Cement/Ariyalur/ PTK Mine/SGSWRDC/Perm

05.09.2017

Chief Engineer, PWD, WRD,
State Ground and Surface Water Resources Data Centre,
Tharamani,
Chennai-113.

Sir,

Sub : Submission of details sought for grant of NOC for Intersection of Ground Water, Mine Pit Dewatering (Ground Water & Harvested Rain Water) & Using the same in Mine – **PERIYATHIRUKONAM LIMESTONE MINE** of Chettinad Cement Corporation Private Limited (CCCPL) – Extent: 32.29.5 Hectares in Periyathirukonam Village, Ariyalur Taluk & District, Nagamangalam Firka, Tamilnadu.

- Ref :
1. Mining Lease granted by the Commissioner of Geology & Mining vide Proceedings RC.No.7135 / MM1 / 2010 dated 09.01.2017-Extent-32.29.5 Hectares in Periyathirukonam Village, Ariyalur Taluk & District, Tamilnadu.
 2. Application submitted for obtaining NoC vide our letter Chettinad Cement/Ariyalur/PTK Mine/PERM/2017 dated 29th Mar .2017.
 3. Your letter No : OT9/AG3/NOC-Mining/2017/dated 11th Apr 2017 seeking certain details

We are in receipt of the above referred letter on 20.04.2017 , vide which the following details have been sought in connection with the grant of NOC for Intersection of Ground Water, Mine Pit Dewatering (Ground Water & Harvested Rain Water) & Using the same in Mine for our **PERIYATHIRUKONAM LIMESTONE MINE** of Chettinad Cement Corporation Private Limited (CCCPL) vide Proceedings of the Commissioner of Geology and Mining , RC.No.7135 / MM1 / 2010 dated 09.01.2017-Extent-32.29.5 Hectares in Periyathirukonam Village,Ariyalur Taluk & District, Nagamangalam Firka, Tamilnadu.

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

CIN: U93090TN1962PTC004947

Chettinad Cement Corporation Limited

Regd. Office : Chettinad Towers,
603, Anna Salai, Chennai 600 006

CIN : U93090TN1962PLC004947

T +91 44 2829 2727, 4295 1800 (100 lines)
F +91 44 2829 1558

E info@chettinadcement.com
www.chettinad.com

We submit herewith the details sought for your kind perusal.

S.No	Details Sought	CCCL Response
1	For what purpose, the Ground Water Clearance Certificate is needed for you.	<p>For complying with NGT judgement dated 11.01.2016 and Public Notice dated 04.01.2017 issued by Central Ground Water Authority, Ministry of Water Resources, River Development and Ganga Rejuvenation, which stipulated submission of application by 31.03.2017, later extended to 31.05.2017, for getting Permission/NoC</p> <p>Permission/NoC is required for intersecting Ground Water during the course of mining operations, Dewatering from Mine Pit (Ground Water & Harvested Rain Water) and for using the Ground Water & Harvested Rain Water for</p> <ol style="list-style-type: none"> Domestic Purpose Dust Suppression and Greenbelt Development
2	Is NOC required for the existing mining industry or for new one or for expansion of the mining area.	The NoC is sought for the New Mine (Periathirukonam Limestone Mine –Yet to commence mining operations).
3	If any Ground Water Clearance-NoC for dewatering is obtained	As the Periathirukonam Limestone Mine is new one and yet to commence its operations, the Ground Water Clearance-NoC has not yet been

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S.No	Details Sought	CCCL Response
	may be furnished with the validity period and the renewal status.	
4	Total project area and quantum of ground water proposed to be dewatered and the purpose for which the pumped water proposed to be used.	<ul style="list-style-type: none"> Project Area (Mining Lease Area) is : 32.29.5 ha. Mining Lease Government Order Copy already submitted with application. Quantum of Ground Water & Harvested Rain Water proposed to be dewatered is 30 KLD The pumped water is proposed to be used for Domestic Purpose (1.50 KLD), Dust Suppression (25.00 KLD) and for Greenbelt Development (3.50 KLD).
5	Number of abstractions and depth of the structures proposed to be dewatered and mode of dewatering.	No of abstractions : ONE (Mine Pit) Depth of Structure : 31 m (Ultimate Mining Depth proposed) (Ground Water Table in this area is about 18 to 22 m bgl) Mode of dewatering : Using 20 HP pump
6	Details regarding the surrounding area of the mining project, whether it is Agricultural land or barren land or residential area and nos of agricultural wells and drinking water scheme	Details of the surrounding area (500 m radius) Barren Land -95%, Residential area - 2% Dry Agricultural land - 3% Agricultural Lands were located in the eastern as well as in the western side of the mining lease area. On the South side the river Marudaiyar is flowing in E-W Direction. The Chettithirukonam

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S.No	Details Sought	CCCL Response
	wells existing in the surrounding area.	<p>village is located 140 mts in the eastern side of the Lease area. On all other sides dry and barren land exist. Most of the area is covered with black cotton soil ranging in thickness from 1 to 5m</p> <p>Number of Agricultural wells : 1 (Distance : 400 Mts from Mining Lease Boundary)</p> <p>Number of drinking water Scheme wells : 1 (Distance : 175 Mts from Mining Lease Boundary)</p>
7	What are the remedial measures proposed to be taken to prevent the declining of ground water level, groundwater potential, and the quality of water in the area.	<p>Remedial Measures</p> <p>Ground Water Level</p> <p>The water requirement for the Mine is only 30 KLD and the ground water will be augmented by rain water harvested in the Mine Pit. This improves ground water level and there will not be any negative impact on ground water level.</p> <p>Ground Water Potential</p> <p>The location of the Mine falls in Nagamangalam Firka, which has been classified as safe category. Also, the ground water requirement is very small (30 KLD). The ground water will also be augmented by rain water harvesting measures. Hence, the use of ground water for various purposes will not have any significant impact on ground water level.</p>

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S.No	Details Sought	CCCL Response
		<p>Quality of Ground Water</p> <p>The conventional open cast mining of Limestone will not have any significant impact on the quality of ground water as very small quantity of explosives are used while carrying out controlled blasting which will help to have a heaving effect than an explosion. No chemicals having toxic elements will be used for carrying out mining activity. Also, neither Limestone nor top soil contains any kind of toxic element, which can contaminate the ground water.</p>
8	Total period proposed to carryout mining and dewatering in the area.	Total period Proposed : 7 years (Life of the Mine) (New Mine - yet to commence Mining operation)
9	Remedial measures proposed considering the adverse effect that may arise on long term basis of the proposed mining.	<p>As there will not be any adverse effect on the Ground water level, potential & quality, due to open cast mining activity, no remedial measures are envisaged.</p> <p>Surface Water</p> <p>During the rainy season, rain water will be accumulated in the mine sump and is will be used for dust suppression and afforestation purposes.If at all any excess water is to be pumped out, only the clear water ,after settling in the mine sump is being pumped out to natural surface water courses existing in the area.</p>

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S.No	Details Sought	CCCL Response
		Hence, there will not be any significant impact on rain water.
10	The details regarding the usage of rain water stored in the open mine pit during monsoon /rainy season is to be furnished.	<p>Rain Water Usage during Monsoon/Rainy Season</p> <p>On rainy days, the rain water stored in the mine pit will be used for domestic purpose only, which will be 1.50 KLD.</p> <p>On non-rainy days the maximum usage of rain water will be for Domestic Purpose (1.50 KLD), Dust Suppression (25.00 KLD) and Greenbelt Development (3.50 KLD)</p>

We hope that the details submitted are in line with your requirement. If any other additional information or details are required, we will be pleased to submit the same.

We kindly request your goodself to arrange for the issuance of **NOC for**

(a) Intersecting ground water during the mining operations

(b) Dewatering the ground water and harvested rain water and using the same within Mining Lease Area.

Thanking you,

Yours faithfully,

For **Chettinad Cement Corporation Private Limited**



Authorized Signatory

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

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Chief Engineer, PWD, WRD,
State Ground and Surface Water Resources Data Centre,
Tharamani,
Chennai-113.

05.09.2017

Sir,

Sub : Submission of details sought for grant of NOC for Intersection of Ground Water, Mine Pit Dewatering (Ground Water & Harvested Rain Water) & Using the same in Mines ,Cement Plant, Captive Power Plant & Colony –21 Projects regarding.

- Ref : 1. G.O.Ms.No.142 Public Works (R2) dept.dated 23.07.2014.
2. Your letter No : OT9/AGJ/NOC-Mining/2017/dated 11th Apr 2017 seeking certain details (21 Projects)
3. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/PTK Mine (Periyathirukonam Limestone Mine)/PERM/2017 dated 29.03.2017.
4. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Karikkali/Dholipatti Limestone Mine /PERM/2017 dated 29.03.2017.
5. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/PPM-II Mine (Pudupalayam II Limestone Mine) /PERM/2017 dated 29.03.2017.
6. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/KRP-KLP Mine (Karuppur Senapathy & Keelapalur Limestone Mine) /PERM/2017 dated 29.03.2017.
7. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/AMD-II Mine (Aminabad-II Limestone Mine) /PERM/2017 dated 29.03.2017.
8. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/KRP (SEN) Mine (Karuppur Senapathy Limestone Mine) /PERM/2017 dated 29.03.2017.

9. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/AZUR Mine (Azur Limestone Mine) /PERM/2017 dated 29.03.2017.
10. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/AMD-I Mine (Aminabad-I Limestone Mine) /PERM/2017 dated 29.03.2017.
11. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/ATK Mine (Alanduraiyarkattalai Limestone Mine) /PERM/2017 dated 29.03.2017.
12. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/SEN Mine (Sendurai Limestone Mine) /PERM/2017 dated 29.03.2017.
13. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/KLK Mine (Kallankurichi Limestone Mine) /PERM/2017 dated 29.03.2017.
14. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Karikkali/Seethai Nagar Mine (Seethai Nagar Limestone Mine) /PERM/2017 dated 29.03.2017.
15. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/PPM-EDK Mine (Pudupalayam -Edaiyathankudi Limestone Mine) /PERM/2017 dated 29.03.2017.
16. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/Arungal Mine (Arungal Limestone Mine) /PERM/2017 dated 29.03.2017.
17. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/OLP Mine (Olaipadi Limestone Mine) /PERM/2017 dated 29.03.2017.
18. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/NKM Mine (Nakkambadi Limestone Mine) /PERM/2017 dated 29.03.2017.
19. Chettinad Cement Corporation Limited Lr.No.Chettinad Cement/Ariyalur/UNJ Mine (Unjini Limestone Mine) /PERM/2017 dated 29.03.2017.

20. Chettinad Cement Corporation Limited Lr.No.Chettinad
Cement/Karikkali/Devarmalai Mine (Devarmalai Limestone Mine)
/PERM/2017 dated 29.03.2017.
21. Chettinad Cement Corporation Limited Lr.No.Chettinad
Cement/Ariyalur/PPM-I Mine (Pudupalayam - I Limestone Mine)
/PERM/2017 dated 29.03.2017.
22. Chettinad Cement Corporation Limited Lr.No.Chettinad
Cement/Karikkali/Cement CCP & Colony (Cement Plant and
Colony)/SGWB/NOC/772 dated 28.03.2017.
23. Chettinad Cement Corporation Limited Lr.No.Chettinad
Cement/Puliyur/Cement & CCP (Cement Plant and
Colony)/PERM/2017/1050/Dt.27.03.2017.

With reference to the Letter No: OT9/AG3/NOC-Mining/2017/dated 11th Apr 2017, herewith we have enclosed the details for the queries sought (mine wise and plant) in connection with the grant of NOC for Intersection of Ground Water, Mine Pit Dewatering (Ground Water & Harvested Rain Water) & Using the same in Mines and Cement Plant, Power Plant & Colony for the following Mine/Project.

**NAME OF THE INDUSTRY: M/s CHETTINAD CEMENT CORPORATION
PRIVATE LIMITED (Details of 21 Projects)**

S. NO	NAME OF THE INDUSTRY	NAME OF THE MINE/PROJECT	APPLICATION No & DATE	APPLICATION RECEIVED DATE	VILLAGE/FIRKA /TALUK	DISTRICT	CATE GORY
1	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	PERIYATHIRUKO NAM LIMESTONE MINE	Cement/Ariyalur/PTK Mine/PERM/2017 dated 29th Mar .2017	05.04.2017	PERIYATHIRUKO NAM / NAGAMANGALAM / ARIYALUR	ARIYALUR	SAFE
2	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	DHOLIPATTI LIMESTONE MINE	Chettinad Cement/Karikkali/ Dholipatti Mine/PERM/2017 dated 29th Mar .2017	05.04.2017	DHOLIPATTI, KARIKKALI & PALAYAM / PALAYAM / VEDASANDUR	DINDIGUL	OVER EXPLO ITED

S. N O	NAME OF THE INDUSTRY	NAME OF THE MINE/PROJECT	APPLICATION No & DATE	APPLICATION RECEIVED DATE	VILLAGE/FIRKA/TALUK	DISTRICT	CATEGORY
3	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	PUDUPALAYAM-II LIMESTONE MINE	Chettinad Cement/Ariyalur/PPM-II Mine/PERM/2017 dated 29th Mar .2017	05.04.2017	PUDUPALAYAM / NAGAMANGALAM / ARIYALUR	ARIYALUR	SAFE
4	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	KARUPPUR SENAPATHY AND KEELAPALLUR LIMESTONE MINE	Chettinad Cement/Ariyalur/SEN Mine/PERM/2017 dated 29th Mar .2017.	05.04.2017	KARUPPUR SENAPATHY - KEELAPALLUR / NAGAMANGALAM - KEELAPALLUR / ARIYALUR	ARIYALUR	SAFE
5	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	AMINABAD-I LIMESTONE MINE	Chettinad Cement/Ariyalur/AMD-I Mine/PERM/2017 dated 29th Mar .2017.	05.04.2017	AMINABAD / ARIYALUR / ARIYALUR	ARIYALUR	SAFE
6	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	KARUPPUR SENAPATHY LIMESTONE MINE	Chettinad Cement/Ariyalur/KRP (SEN) Mine/PERM/2017 dated 29th Mar .2017.	05.04.2017	KARUPPUR SENAPATHY / NAGAMANGALAM / ARIYALUR	ARIYALUR	SAFE
7	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	AZUR LIMESTONE MINE	Chettinad Cement/Ariyalur/Azur Mine/PERM/2017 dated 29th Mar .2017.	05.04.2017	AZUR / KEELAPULIYUR / KUNNAM	PERAMBALUR	SEMI CRITICAL
8	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	AMINABAD-II LIMESTONE MINE	Chettinad Cement/Ariyalur/AMD-II Mine/PERM/2017 dated 29th Mar .2017.	05.04.2017	AMINABAD / ARIYALUR / ARIYALUR	ARIYALUR	SAFE
9	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	ALANTHURI YARKATTALAI LIMESTONE MINE	Chettinad Cement/Ariyalur/ATK Mine/PERM/2017 dated 29th Mar .2017.	05.04.2017	ALANTHURAIYARKATTALAI / NAGAMANGALAM / ARIYALUR	ARIYALUR	SAFE
10	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	SENDURAI LIMESTONE MINE	Chettinad Cement/Ariyalur/SEN Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	SENDURAI / SENDURAI / SENDURAI	ARIYALUR	SEMI CRITICAL
11	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	KALLANKURICHI LIMESTONE MINE	Chettinad Cement/Ariyalur/CLK Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	KALLANKURICHI / ARIYALUR / ARIYALUR	ARIYALUR	SAFE
12	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	SEETHAI NAGAR LIMESTONE MINE	Chettinad Cement/Karikkali/Seethai Nagar Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	KARIKKALI , ALAMBADI & MALLAPURAM / PALAYAM / VEDASANDUR	DINDIGUL	OVER EXPLOITED

S.NO	NAME OF THE INDUSTRY	NAME OF THE MINE/PROJECT	APPLICATION No & DATE	APPLICATION RECEIVED DATE	VILLAGE/FIRKA/TALUK	DISTRICT	CATEGORY
13	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	PUDUPALAYAM-EDAIYATHANKUDI LIMESTONE MINE	Chettinad Cement/Ariyalur/PPM-EDK Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	PUDUPALAYAM & EDAIYATHANKUDI / ARIYALUR / ARIYALUR	ARIYALUR	SAFE
14	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	ARUNGAL LIMESTONE MINE	Chettinad Cement/Ariyalur/Arungal Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	ARUNGAL / ARIYALUR / ARIYALUR	ARIYALUR	SAFE
15	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	OLAIPADI LIMESTONE MINE	Chettinad Cement/Ariyalur/OLP Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	OLAIPADI WEST / VARAGUR / KUNNAM	ARIYALUR	SAFE
16	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	NAKKAMBADI LIMESTONE MINE	Chettinad Cement/Ariyalur/NKM Mine/PERM/2017 dated 29 th Mar .2017	05.04.2017	NAKKAMBADI / SENDURAI / SENDURAI	ARIYALUR	SEMI CRITICAL
17	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	UNJINI LIMESTONE MINE	Chettinad Cement/Ariyalur/UNJ Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	UNJINI / SENDURAI / ARIYALUR	ARIYALUR	SEMI CRITICAL
18	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	DEVARMALAI LIMESTONE MINE	Chettinad Cement/Karikkali/Devarmalai Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	DEVARMALAI & MELAPAHUTHI / MAILAMPATTI / KULITALAI	KARUR	OVER EXPLOITED
19	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	PUDUPALAYAM-I LIMESTONE MINE	Chettinad Cement/Ariyalur/PPM-II Mine/PERM/2017 dated 29 th Mar .2017.	05.04.2017	PUDUPALAYAM / NAGAMANGALAM / ARIYALUR	ARIYALUR	SAFE
20	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	CEMENT PLANT, POWER PLANT & COLONY	Chettinad Cement/Karikkali/ Cement plant, CCP & Colony/SGWB/NO C/772 dated 28.03.2017	05.04.2017	KARIKKALI / PALAYAM & KOTTANATHAM / VEDASANDUR	DINDIGUL	OVER EXPLOITED
21	CHETTINAD CEMENT CORPORATION PRIVATE LIMITED	CEMENT PLANT, POWER PLANT & COLONY	Chettinad Cement/Puliyur/ Cement plant, CCP & Colony/SGWB/NO C/772 dated 28.03.2018	05.04.2017	PULIYUR ,MANAMANGALAM & VELLIYANAI / VANGAL / KARUR	KARUR	OVER EXPLOITED

We hope that the Project wise details submitted are in line with your requirement. If any other additional information or details are required, we will be pleased to submit the same.

We kindly request your good self to arrange for the issuance of **NOC for foresaid Mines in respect of**

- a. Intersecting ground water during the mining operations
- b. Dewatering the ground water and harvested rain water
- c. Using the same within Mines , Cement Plant, Captive Power Plant & Colony Thanking you,

Yours faithfully,

For Chettinad Cement Corporation Private Limited



Authorized Signatory

Enclosure: Reply for the query in respect of

1. PERIYATHIRUKONAM LIMESTONE MINE
2. DHOLIPATTI LIMESTONE MINE
3. PUDUPALAYAM-II LIMESTONE MINE
4. KARUPPUR SENAPATHY AND KEELAPALUR LIMESTONE MINE
5. AMINABAD-I LIMESTONE MINE
6. KARUPPUR SENAPATHY LIMESTONE MINE
7. AZUR LIMESTONE MINE
8. AMINABAD-II LIMESTONE MINE
9. ALANTHURIYARKATTALAI LIMESTONE MINE
10. SENDURAI LIMESTONE MINE
11. KALLANKURICHI LIMESTONE MINE
12. SEETHAI NAGAR LIMESTONE MINE
13. PUDUPALAYAM-EDAIYATHANKUDI LIMESTONE MINE
14. ARUNGAL LIMESTONE MINE
15. OLAIPADI LIMESTONE MINE
16. NAKKAMBADI LIMESTONE MINE
17. UNJINI LIMESTONE MINE
18. DEVARMALAI LIMESTONE MINE
19. PUDUPALAYAM-I LIMESTONE MINE
20. KARIKKALI CEMENT PLANT,POWER PLANT & COLONY
21. PULIYUR CEMENT PLANT,POWER PLANT & COLONY
22. COPY OF NOTICE ISSUED BY Government of India ,Ministry of Water Resources, River Development and Ganga Re.iuvenation, CENTRAL GROUND WATER AUTHORITY

Registered Post

GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT
PUBLIC WORKS DEPARTMENT

From
Er. C.T. Sankar B.E.,
Chief Engineer, PWD. WRD,
State Ground and Surface Water
Resources Data Centre,
Tharamani, Chennai-113.

To
1. **M/s. Chettinad Cement corporation
Limited,**
Chettinad Towers,
603, Anna salai,
Chennai 600006.

Lr. No: OT9 / AG3 / NOC – Mining/ 2017 / dt: 05.10.2017

Sir,

Sub: Groundwater Clearance – NOC –Dewatering during mining -
Issuance of NOC for mining Projects — demand draft returned –
regarding

Ref: 1. Your letter dt:18.9.2017
2. This office Lr.No.OT9/AG3/NOC-Mining/2017/dt:06.09.2017

With reference to your letter 1st cited, it is to inform that certain clarification/technical opinion has been requested from the Government towards the processing of NOC for dewatering of Ground Water during Mining process, vide reference 2nd cited. Soon after the receipt of guidelines from the Government, necessary action would be taken by this department on your application. Hence, Demand draft received with your letter is herewith returned and enclosed.
Encl: Demant Draft-2 No

Sd/-Er. C.T. Sankar /05.10.2017
Chief Engineer (SG&SWRDC)
PWD, Tharamani, Chennai-113

Isr. Jis 2017
6/10/2017

For Chief Engineer (SG&SWRDC)
PWD, Tharamani, Chennai-113

D.V.M.
6/10/17

Chettinad Cement/Tamilnadu/Ariyalur/PTK Mine/CGWA/NoC/2017

28th Dec, 2017

Member Secretary
Central Ground Water Authority
Ministry of Water Resources, River Development & Ganga Rejuvenation
Government of India
18/11, Jamnagar House, Man Singh Road
New Delhi – 110 011

Sir,

Sub : Submission of Application for obtaining NoC/Permission for using rain water collected in the Mine Pit & Intersection of ground water during Mining Operations - Periyathirukonam Limestone Mine of Chettinad Cement Corporation Private Limited, at Periyathirukonam Village, Ariyalur Firka, Ariyalur Taluk, Ariyalur District, Tamilnadu

Ref : (1) Our Application submitted vide Lr No: Chettinad Cement/Ariyalur/PTK Mine/PERM/2017 dated 29.03.2017 for obtaining NoC/Permission for using rain water collected in the Mine Pit/Intersection of ground water during Mining Operations.

(2) Public Notice dated 4th Oct 2017 issued by Central Ground Water Authority

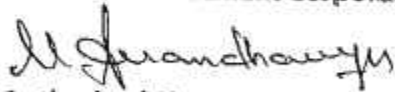
This has reference to the above referred Public Notice under S.No 2 , issued by Central Ground Water Authority (CGWA), wherein we have been advised to submit the application online through NOCAP (<http://cgwa-noc.go.in>) for obtaining NoC/Permission. In this connection, we would like to bring the following points for your kind consideration.

- a. NoC/Permission for using rain water collected in the Mine Pit & Intersection of ground water during Mining Operations is required for our Mine located in Tamilnadu where the Ground Water Development and Management is regulated by the State Ground Water Authority, not by Central Ground Water Authority as per the guidelines published by CGWA

- b. When we checked our eligibility for making the online application (<http://ogwa-noc.go.in>), the website directed us to approach State Government for issuance of NoC for ground water withdrawal. The website is not allowing us to fill the online application.
- c. A copy of the application vide Lr No: Chettinad Cement/Ariyalur/PTK Mine/PERM/2017 dated 29.03.2017 submitted to Water Resources Department, State Ground and Surface Water Resources Data Centre, Chennai, Tamilnadu for obtaining NoC/Permission for using rain water collected in the Mine Pit & Intersection of ground water during Mining Operations, has been sent to CGWA, New Delhi also.

In case, the above mentioned NoC/Permission is to be issued by Central Ground Water Authority as per NGT direction, we kindly request your goodself to process our application submitted vide Lr No: Chettinad Cement/Ariyalur/PTK Mine/PERM/2017 dated 29.03.2017 in the CGWA format and arrange for the issuance of NoC/Permission for our Periyathirukonam Limestone Mine at the earliest.

Yours faithfully
for Chettinad Cement Corporation Private Limited


Authorized Signatory



Copy to: Director,
Central Ground Water Board,
E-Wing, G-Block, Rajaji Bhavan,
CGO Complex Besant Nagar, CHENNAI - 600090, Tamil Nadu

Enclosure - Application copy with covering letter



THE NEW

INDIAN EXPRESS

TIRUCHY • THURSDAY • AUGUST 29, 2019 • ₹6.00 • PAGES 16 • CITY EDITION



PUBLIC NOTICE

It is hereby informed that the State Environment Impact Assessment Authority (Tamilnadu) has accorded Environmental Clearance to M/s. Chettinad Cement Corporation Private Ltd. Vide Letter No. SEIAA-TN/F.No. 6283/ALR/1(a)/EC - 4020/2019 Dated: 19.08.2019 for Mining of 0.5004 million tons of Limestone & Marl and totally 1874401 tons of Limestone & 325371 tons of Marl at their Periyathirukonam Limestone Mines over an extent of 32.29.5 Hectares in Periyathirukonam Village, Ariyalur Taluk, Ariyalur District, Tamilnadu. The copy of the clearance letter is available with the Tamilnadu Pollution Control Board and may also be seen at website of State Environment and Impact Assessment Authority at <http://seiaa.tn.gov.in>.

**Chettinad Cement Corporation
Private Ltd.,**

No. 603, Anna Salai, Chennai - 6.



தினமணி

★
விவரம்: விவரம்
29 ஆகஸ்ட் 2019
திருச்சி
14 பக்கங்கள் ரூ.7

வாயு அறிவிப்பு

தமிழ்நாடு, அரியலூர் மாவட்டம், அரியலூர் தாலுகா, பெரியதிருக்கோணம் கிராமத்தில் உள்ள பெரியதிருக்கோணம் கரங்கத்திலிருந்து ஆண்டு ஒன்றிற்கு 0.5004 மில்லியன் டன் கண்ணாம்புகல் & மார்கல் மற்றும் மொத்தமாக கண்ணாம்புகல் 1874401 டன் & மார்கல் 325371 டன் வெட்டி எடுப்பதற்காக 32.29.5 ஹெக்டேர் பரப்பளவில் அனுமதியை மாநில சுற்றுச்சூழல் பாதிப்பு மதிப்பீட்டு ஆணையம் (SEIAA) தமிழ்நாடு கழக என். SEIAA-TN/F.No. 6283/ALR/1(a)/EC-4020/2019 மூலம் 19.05.2019 அன்று செட்டிநாடு சிமென்ட் கார்ப்பரேசன் பிரைவேட் லிமிடெட் மூலம் வழங்கியுள்ளார்கள் என திதன் மூலம் அறிவிக்கப்படுகிறது.

இவ்வனுமதி கடிதத்தின் நகல் தமிழ்நாடு மாநில உட்பொருள் வாரியத்தில் உள்ளன. மேலும் <http://seiasa.tn.gov.in> என்ற இணைய தளத்திலும் காணலாம்.

செட்டிநாடு சிமென்ட் கார்ப்பரேசன்
பிரைவேட் லிமிடெட்

நெ.603, அண்ணாசாலை, சென்னை - 6.





Dt.: 22.05.2025

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

Internal Circular

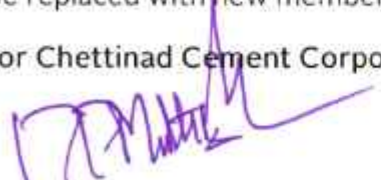
Sub: Environment & Safety Management Cell committee

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

PIEZOMETER





SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Report No. ENQ-250808006-01 to 04

Page 1 of 1

Report Date : 12 Aug 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam Ls Mines)

Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.

Name : Air Sampling Date : 05 to 06 Aug 2025

Sample Description : Ambient Air Quality - 24 hrs Sampling Start Time : 10.30 am to 11.00 am

Sample Received on : 08 Aug 2025

Sample Drawn by : Laboratory Test Started on : 08 Aug 2025

Sample Procedure : IS 5182 Part V & Part XIV Test Completed on : 12 Aug 2025

Relative Humidity : 56-57 % Ambient Temperature : 33°C

TEST RESULTS

Sl. No	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	9.8	11.2	10.3	11.2
2.	Nitrogen Dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	µg/m ³	80	19.7	22.6	23.1	21.8
3.	Particulate Matter(PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	µg/m ³	100	59.8	60.3	58.5	62.1
4.	Particulate Matter(PM _{2.5})	IS 5182 (Part 24) - 2019	µg/m ³	60	28.2	29.5	27.3	29.6
5.	Ozone as O ₃ (1hr)	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	µg/m ³	180	BLQ (L.OQ: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 (L.OQ:1.14)			
8.	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	µg/m ³	400	BLQ (L.OQ: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 to the NAAQ Standards for the above tested Parameters.

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

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 2996, Panchalathur, Thiruvallur High Road, Thirumangaluru Vm, Ponnammallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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TEST REPORT



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Page 1 of 1

Report Date : 12 Aug 2025

Report No : ENQ-250808006-11

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam I.S Mines)
 Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
 Sample Description : Ambient Noise (Day & Night)
 Sample Procedure : IS 9989 Measurement Date : 05 Aug 2025

TEST RESULTS

S.N	Location	Noise Level dB(A)						CPCB Standards (Residential Area) For Noise in Leq dB(A)	
		Day Time			Night Time			Day Time (06.00-22.00 hrs)	Night Time (22.00-06.00 hrs)
		Lmin	Lmax	Avg	Lmin	Lmax	Avg		
1	Periyathirukonam Village	49.8	51.6	50.7	40.3	43.1	41.7	55	45
2	Vellipiringiyam Village	48.5	52.3	50.4	39.0	42.8	40.9		

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Locations.

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

M. Sarathkumar
M. Sarathkumar
 Authorized Signatory-Chemical



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Report No : ENQ-250808006-05

Report Date : 12 Aug 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
Sample Description : Source Noise (Day & Night)
Sample Procedure : IS 9989 Measurement Date : 05 Aug 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	58.4	63.5	60.9	43.7	45.9	44.8	85 dB(A)
2	Loading Area	59.4	65.8	62.6	44.5	47.9	46.2	

Conclusion : The above tested Sample Conforms to the Tamil Nadu Factories Rules 1950 Standards for the above tested Locations.

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


M. Sarathkumar
Authorized Signatory-Chemical

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

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Report No : ENQ-250808006-07

Report Date : 12 Aug 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
Sample Name : Air
Sample Description : Personal Dust Monitoring
Sample Drawn By : Laboratory
Sample Location : Name : Mr. Aravinth Kumar, Designation : Operator
Sampling Date : 05 Aug 2025
Sample Received on : 08 Aug 2025
Test Started on : 08 Aug 2025
Test Completed on : 12 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	OSHA - TWA PEL - Limit
Chemical					
1	Free Silica	NIOSH - 7601	mg/m ³	BLQ(LOQ:0.1)	10 Max
2	Respirable Particulate Matter	NIOSH - 0600	mg/m ³	0.064	5 Max

Note : OSHA : Occupational Safety Health Administration.

TWA : Time Weighted Average

PEL : Permissible Exposure Limits

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

Conclusion : The above tested Sample Conforms to the OSHA Standards for the above tested Parameters.

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


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/5, Paduchatram, Thiruvallur High Road, Thirumazhisai 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.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Report No : ENQ-250808006-09

Report Date : 12 Aug 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
Sample Name : Air
Sample Description : Personal Dust Monitoring
Sample Drawn By : Laboratory
Sample Location : **Name** : Mr. Veeramani, **Designation** : Driver
Sampling Date : 05 Aug 2025
Sample Received on : 08 Aug 2025
Test Started on : 08 Aug 2025
Test Completed on : 12 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	OSHA - TWA PEL - Limit
Chemical					
1	Free Silica	NIOSH - 7601	mg/m ³	BLQ(LOQ:0.1)	10 Max
2	Respirable Particulate Matter	NIOSH - 0600	mg/m ³	0.062	5 Max

Note : OSHA : Occupational Safety Health Administration.
TWA : Time Weighted Average
PEL : Permissible Exposure Limits
BLQ : Below Quantification Limit, LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the OSHA Standards for the above tested Parameters.

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


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchatram, Thiruvallur High Road, Thirumazhisai Via, Ponnamballee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Page 1 of 1

Report No : ENQ-250808006-10

Report Date : 12 Aug 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
Sample Name : Air
Sample Description : Personal Dust Monitoring
Sample Drawn By : Laboratory
Sample Location : **Name** : Mr. Kuralarasan, **Designation** : Driver
Sampling Date : 05 Aug 2025
Sample Received on : 08 Aug 2025
Test Started on : 08 Aug 2025
Test Completed on : 12 Aug 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	OSHA - TWA PEL - Limit
Chemical					
1	Free Silica	NIOSH - 7601	mg/m ³	BLQ(LOQ:0.1)	10 Max
2	Respirable Particulate Matter	NIOSH - 0600	mg/m ³	0.066	5 Max

Note : OSHA : Occupational Safety Health Administration.
TWA : Time Weighted Average
PEL : Permissible Exposure Limits
BLQ : Below Quantification Limit, LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the OSHA Standards for the above tested Parameters.

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


M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchatram, Thiruvallur High Road, Thirumazhisai 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.



SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

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Page 1 of 2

Report No : ENQ-250430009-11

Report Date : 06 May 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
Sample Name : Water Sample Quantity : 5 Lit + 100 mL
Sample Description : Mines Sump Water Sampling Date : 28 Apr 2025
Sample Drawn By : Laboratory Sample Received on : 30 Apr 2025
Sample Location : Mines Pit Area Test Started on : 30 Apr 2025
Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06 Test Completed on : 06 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Biological				
1	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent
Chemical				
2	Sodium as Na	IS 3025 (Part 34) - 1993 (Reaffirmed 2019)	mg/L	81
Clause 4, Table 1 Organoleptic And Physical parameters				
3	Colour	IS 3025 (Part 04) - 2021	Hazen	10
4	Odour	IS 3025 (Part 05) - 2018	--	Agreeable
5	pH Value	IS 3025 (Part 11) - 2022	--	7.51
6	Total Dissolved Solids	IS 3025 (Part 16) - 2023	mg/L	1250
7	Turbidity	IS 3025 (Part 10) -2023	NTU	2.0
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts				
8	Anionic Detergents (as MBAS)	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)
9	Boron	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.025)
10	Chloride (as Cl)	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	340
11	Copper	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
12	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	0.5
13	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)
14	Iron (as Fe)	IS 3025 (Part 53) - 2024	mg/L	0.38
15	Manganese	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)

S. Durga bai

Authorized Signatory-Biological

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Report No : ENQ-250430009-11

Report Date : 06 May 2025

S.NO	Parameter	Test Method	Unit	Results
16	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)
17	Nitrate (as NO ₃)	APHA 24th Edition:4500 NO ₃ B 2023	mg/L	26
18	Phenolic Compound (as C ₆ H ₅ OH)	IS 3025 (Part 43)	mg/L	BLQ(LOQ:0.001)
19	Selenium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
20	Sulphate (as SO ₄)	IS 3025 (Part 24)	mg/L	121
21	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	356
22	Total Hardness (as CaCO ₃)	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	378
Clause 4, Table 3 Parameters Concerning Toxic Substances				
23	Arsenic	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
24	Cadmium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
25	Chromium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
26	Cyanide (as CN)	IS 3025 (Part 27) - 1986 (Reaffirmend 2019)	mg/L	BLQ(LOQ:0.01)
27	Lead	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
28	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)
Others				
29	Appearance	APHA 24th Edition:2110-2023	--	Clear
30	Calcium Hardness (as CaCO ₃)	IS 3025 (Part 40) - 1991 (Reaffirmend 2019)	mg/L	238
31	Conductivity @ 25°C	IS 3025 (Part 14) - 2013 (Reaffirmed 2019)	µS/cm	2118
32	Magnesium Hardness (as CaCO ₃)	IS 3025 (Part 46) - 2023	mg/L	140
33	Nitrite (as NO ₂)	IS 3025 (Part 34) - 1988 (Reaffirmend 2019)	mg/L	BLQ(LOQ:0.01)
34	Phenolphthalein Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	BLQ(LOQ:2.0)
35	Silica as SiO ₂	IS 3025 (Part 35) - 2024	mg/L	36
36	Total suspended solids (TSS)	IS 3025 (Part 17)-2022	mg/L	BLQ(LOQ:2.0)
37	Free Ammonia as NH ₃	IS 3025 (Part 34) - 1988 (Reaffirmend 2019)	mg/L	BLQ(LOQ:0.5)

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: 39/6, Thiruvallur High Road, Padichatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Page 1 of 2

Report No : ENQ-250430009-12 to 13

Report Date : 06 May 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
 Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
 Sample Name : Water
 Sample Description : Ground Water
 Sample Drawn By : Laboratory
 Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06

Sample Quantity : 5 Lit + 100 mL
 Sampling Date : 28 Apr 2025
 Sample Received on : 30 Apr 2025
 Test Started on : 30 Apr 2025
 Test Completed on : 06 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Sample Locations	
				Periyathirukonam Village	Muniyankurichi Village
Biological					
1	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	
Chemical					
2	Sodium as Na	IS 3025 (Part 34) - 1993 (Reaffirmed 2019)	mg/L	35	38
Clause 4, Table 1 Organoleptic And Physical parameters					
3	Colour	IS 3025 (Part 04) - 2021	Hazen	10	
4	Odour	IS 3025 (Part 05) - 2018	--	Agreeable	
5	pH Value	IS 3025 (Part 11) - 2022	--	7.11	7.19
6	Total Dissolved Solids	IS 3025 (Part 16) - 2023	mg/L	633	620
7	Turbidity	IS 3025 (Part 10) - 2023	NTU	0.6	0.7
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts					
8	Anionic Detergents (as MBAS)	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)	
9	Boron	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.025)	
10	Chloride (as Cl)	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	210	206
11	Copper	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
12	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	0.3	
13	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)	
14	Iron (as Fe)	IS 3025 (Part 53) - 2024	mg/L	0.15	0.13
15	Manganese	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	

S. Durga bai
 Authorized Signatory-Biological

M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduohatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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Report No : ENQ-250430009-12 to 13

Report Date : 06 May 2025

S.NO	Parameter	Test Method	Unit	Sample Locations	
				Periyathirukonam Village	Muniyankurichi Village
16	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)	
17	Nitrate (as NO ₃)	APHA 24th Edition:4500 NO ₃ B 2023	mg/L	13	11
18	Phenolic Compound (as C ₆ H ₅ OH)	IS 3025 (Part 43)	mg/L	BLQ(LOQ:0.001)	
19	Selenium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
20	Sulphate (as SO ₄)	IS 3025 (Part 24)	mg/L	66	68
21	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	241	233
22	Total Hardness (as CaCO ₃)	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	228	219
Clause 4, Table 3 Parameters Concerning Toxic Substances					
23	Arsenic	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
24	Cadmium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
25	Chromium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
26	Cyanide (as CN)	IS 3025 (Part 27) - 1986 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)	
27	Lead	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
28	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)	
Others					
29	Appearance	APHA 24th Edition:2110-2023	--	Clear	
30	Calcium Hardness (as CaCO ₃)	IS 3025 (Part 40) - 1991 (Reaffirmed 2019)	mg/L	138	131
31	Conductivity @ 25°C	IS 3025 (Part 14) - 2013 (Reaffirmed 2019)	µS/cm	1091	1068
32	Magnesium Hardness (as CaCO ₃)	IS 3025 (Part 46) - 2023	mg/L	90	88
33	Nitrite (as NO ₂)	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)	
34	Phenolphthalein Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	BLQ(LOQ:2.0)	
35	Silica as SiO ₂	IS 3025 (Part 35) - 2024	mg/L	20	21
36	Total suspended solids (TSS)	IS 3025 (Part 17)-2022	mg/L	BLQ(LOQ:2.0)	
37	Free Ammonia as NH ₃	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.5)	

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: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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TEST REPORT - AMBIENT AIR QUALITY SURVEY

ULR No	TC160492500000098F		
Test Report No	039AAQS/2025-26	Date: 14.08.2025	Page 1 of 1

Name and Address of the Industry	M/s.Chettinad Cements Corporation Pvt., Ltd., Periyathirukonam Limes Stone Mines, S.F.No.153/16 & etc., Periyathirukonam village, Ariyalur Taluk, Ariyalur 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.	02:15 PM
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.	2505257546648
Meteorological Conditions	Clear sky	Ambient Temperature (°C)	Min 30 Max 36
Rain Fall (mm)	Nil	Relative Humidity (%)	Min 46 Max 57
Predominant Wind direction	SW to NE	Mean Wind Speed (Km/hr)	21.8

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	275	3.0	74	27	12	16
2.	SE corner of the mines	SE	300	3.0	65	-	09	14
3.	SW corner of the mines	SW	250	3.0	57	19	08	12
4.	NW corner of the mines	NW	350	3.0	68	-	10	13

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.



TC-16049

TEST REPORT – AMBIENT NOISE LEVEL SURVEY

ULR No	TC160492500000099F		
Report No	039ANLS/2025-26	Date : 14.08.2025	Page 1 of 1

Name and Address of the Industry	M/s.Chettinad Cements Corporation Pvt., Ltd., Periyathirukonam Limes Stone Mines, S.F.No.153/16 & etc., Periyathirukonam village, Ariyalur Taluk, Ariyalur 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 / Small	Consent Order No.	2505257546648
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 – 10:50

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 – 09:40	275	48.7
2.	Near SE corner of mines	10	09:45 – 09:55	300	49.8
3.	Near Southern corner of mines	10	10:00 – 10:10	250	50.3
4.	Near SW corner of mines	10	10:20 – 10:30	250	49.8
5.	Near NW corner of mines	10	10:40 – 10:50	350	52.0

Remarks:

End of Report



(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.,
Periyathirukonam Limes Stone Mines,
S.F.No.153/16 & etc.,
Periyathirukonam village,
Ariyalur Taluk, Ariyalur District.
2. Date of Survey : 19.06.2025
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}	57	74	100
	Respirable Suspended Particulate: $\text{PM}_{2.5}$	19	27	60
2.	GASEOUS POLLUTANTS			
	SO_2 (Sulphur Dioxide)	08	12	80
	NO_2 (Nitrogen Dioxide)	12	16	80

Remarks:

End of Report



(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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TEST REPORT - AMBIENT AIR QUALITY SURVEY

ULR No	TC160492500000098F		
Test Report No	039AAQS/2025-26	Date: 14.08.2025	Page 1 of 1

Name and Address of the Industry	M/s.Chettinad Cements Corporation Pvt., Ltd., Periyathirukonam Limes Stone Mines, S.F.No.153/16 & etc., Periyathirukonam village, Ariyalur Taluk, Ariyalur 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.	02:15 PM				
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.	2505257546648				
Meteorological Conditions	Clear sky	Ambient Temperature (°C)	Min	30	Max	36	
Rain Fall (mm)	Nil	Relative Humidity (%)	Min	46	Max	57	
Predominant Wind direction	SW to NE	Mean Wind Speed (Km/hr)	21.8				

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	275	3.0	74	27	12	16
2.	SE corner of the mines	SE	300	3.0	65	-	09	14
3.	SW corner of the mines	SW	250	3.0	57	19	08	12
4.	NW corner of the mines	NW	350	3.0	68	-	10	13

Remarks:

End of Report

(Handwritten Signature)
22/08/2025

(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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TEST REPORT – AMBIENT NOISE LEVEL SURVEY

ULR No	TC160492500000099F		
Report No	039ANLS/2025-26	Date : 14.08.2025	Page 1 of 1

Name and Address of the Industry	M/s.Chettinad Cements Corporation Pvt., Ltd., Periyathirukonam Limes Stone Mines, S.F.No.153/16 & etc., Periyathirukonam village, Ariyalur Taluk, Ariyalur 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 / Small	Consent Order No.	2505257546648
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 – 10:50

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 – 09:40	275	48.7
2.	Near SE corner of mines	10	09:45 – 09:55	300	49.8
3.	Near Southern corner of mines	10	10:00 – 10:10	250	50.3
4.	Near SW corner of mines	10	10:20 – 10:30	250	49.8
5.	Near NW corner of mines	10	10:40 – 10:50	350	52.0

Remarks:

End of Report



(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.,
Periyathirukonam Limes Stone Mines,
S.F.No.153/16 & etc.,
Periyathirukonam village,
Ariyalur Taluk, Ariyalur District.
2. Date of Survey : 19.06.2025
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}	57	74	100
	Respirable Suspended Particulate: $\text{PM}_{2.5}$	19	27	60
2.	GASEOUS POLLUTANTS			
	SO_2 (Sulphur Dioxide)	08	12	80
	NO_2 (Nitrogen Dioxide)	12	16	80

Remarks:

End of Report



(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Page 1 of 2

Report No : ENQ-250430009-11

Report Date : 06 May 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
Sample Name : Water Sample Quantity : 5 Lit + 100 mL
Sample Description : Mines Sump Water Sampling Date : 28 Apr 2025
Sample Drawn By : Laboratory Sample Received on : 30 Apr 2025
Sample Location : Mines Pit Area Test Started on : 30 Apr 2025
Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06 Test Completed on : 06 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Biological				
1	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent
Chemical				
2	Sodium as Na	IS 3025 (Part 34) - 1993 (Reaffirmed 2019)	mg/L	81
Clause 4, Table 1 Organoleptic And Physical parameters				
3	Colour	IS 3025 (Part 04) - 2021	Hazen	10
4	Odour	IS 3025 (Part 05) - 2018	--	Agreeable
5	pH Value	IS 3025 (Part 11) - 2022	--	7.51
6	Total Dissolved Solids	IS 3025 (Part 16) - 2023	mg/L	1250
7	Turbidity	IS 3025 (Part 10) -2023	NTU	2.0
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts				
8	Anionic Detergents (as MBAS)	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)
9	Boron	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.025)
10	Chloride (as Cl)	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	340
11	Copper	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
12	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	0.5
13	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)
14	Iron (as Fe)	IS 3025 (Part 53) - 2024	mg/L	0.38
15	Manganese	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)

S. Durga bai

Authorized Signatory-Biological

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai 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.



SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

TC-6118

Page 2 of 2

Report No : ENQ-250430009-11

Report Date : 06 May 2025

S.NO	Parameter	Test Method	Unit	Results
16	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)
17	Nitrate (as NO ₃)	APHA 24th Edition:4500 NO ₃ B 2023	mg/L	26
18	Phenolic Compound (as C ₆ H ₅ OH)	IS 3025 (Part 43)	mg/L	BLQ(LOQ:0.001)
19	Selenium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
20	Sulphate (as SO ₄)	IS 3025 (Part 24)	mg/L	121
21	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	356
22	Total Hardness (as CaCO ₃)	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	378
Clause 4, Table 3 Parameters Concerning Toxic Substances				
23	Arsenic	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
24	Cadmium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
25	Chromium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
26	Cyanide (as CN)	IS 3025 (Part 27) - 1986 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)
27	Lead	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)
28	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)
Others				
29	Appearance	APHA 24th Edition:2110-2023	--	Clear
30	Calcium Hardness (as CaCO ₃)	IS 3025 (Part 40) - 1991 (Reaffirmed 2019)	mg/L	238
31	Conductivity @ 25°C	IS 3025 (Part 14) - 2013 (Reaffirmed 2019)	µS/cm	2118
32	Magnesium Hardness (as CaCO ₃)	IS 3025 (Part 46) - 2023	mg/L	140
33	Nitrite (as NO ₂)	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)
34	Phenolphthalein Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	BLQ(LOQ:2.0)
35	Silica as SiO ₂	IS 3025 (Part 35) - 2024	mg/L	36
36	Total suspended solids (TSS)	IS 3025 (Part 17)-2022	mg/L	BLQ(LOQ:2.0)
37	Free Ammonia as NH ₃	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.5)

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: 39/6, Thiruvallur High Road, Padichatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Page 1 of 2

Report No : ENQ-250430009-12 to 13

Report Date : 06 May 2025

Customer Name : M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED (Periyathirukonam LS Mines)
 Customer Address : Ariyalur Works, Trichy- Ariyalur Road, Keelapalur, Ariyalur District - 621707.
 Sample Name : Water
 Sample Description : Ground Water
 Sample Drawn By : Laboratory
 Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06

Sample Quantity : 5 Lit + 100 mL
 Sampling Date : 28 Apr 2025
 Sample Received on : 30 Apr 2025
 Test Started on : 30 Apr 2025
 Test Completed on : 06 May 2025

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Sample Locations	
				Periyathirukonam Village	Muniyankurichi Village
Biological					
1	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	
Chemical					
2	Sodium as Na	IS 3025 (Part 34) - 1993 (Reaffirmed 2019)	mg/L	35	38
Clause 4, Table 1 Organoleptic And Physical parameters					
3	Colour	IS 3025 (Part 04) - 2021	Hazen	10	
4	Odour	IS 3025 (Part 05) - 2018	--	Agreeable	
5	pH Value	IS 3025 (Part 11) - 2022	--	7.11	7.19
6	Total Dissolved Solids	IS 3025 (Part 16) - 2023	mg/L	633	620
7	Turbidity	IS 3025 (Part 10) - 2023	NTU	0.6	0.7
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts					
8	Anionic Detergents (as MBAS)	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)	
9	Boron	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.025)	
10	Chloride (as Cl)	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	210	206
11	Copper	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
12	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	0.3	
13	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)	
14	Iron (as Fe)	IS 3025 (Part 53) - 2024	mg/L	0.15	0.13
15	Manganese	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	

S. Durga bai
 Authorized Signatory-Biological

M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduohatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Page 2 of 2

Report No : ENQ-250430009-12 to 13

Report Date : 06 May 2025

S.NO	Parameter	Test Method	Unit	Sample Locations	
				Periyathirukonam Village	Muniyankurichi Village
16	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)	
17	Nitrate (as NO ₃)	APHA 24th Edition:4500 NO ₃ B 2023	mg/L	13	11
18	Phenolic Compound (as C ₆ H ₅ OH)	IS 3025 (Part 43)	mg/L	BLQ(LOQ:0.001)	
19	Selenium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
20	Sulphate (as SO ₄)	IS 3025 (Part 24)	mg/L	66	68
21	Total Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	241	233
22	Total Hardness (as CaCO ₃)	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	228	219
Clause 4, Table 3 Parameters Concerning Toxic Substances					
23	Arsenic	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
24	Cadmium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
25	Chromium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
26	Cyanide (as CN)	IS 3025 (Part 27) - 1986 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)	
27	Lead	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	
28	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)	
Others					
29	Appearance	APHA 24th Edition:2110-2023	--	Clear	
30	Calcium Hardness (as CaCO ₃)	IS 3025 (Part 40) - 1991 (Reaffirmed 2019)	mg/L	138	131
31	Conductivity @ 25°C	IS 3025 (Part 14) - 2013 (Reaffirmed 2019)	µS/cm	1091	1068
32	Magnesium Hardness (as CaCO ₃)	IS 3025 (Part 46) - 2023	mg/L	90	88
33	Nitrite (as NO ₂)	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)	
34	Phenolphthalein Alkalinity (as CaCO ₃)	IS 3025 (Part 23) - 2023	mg/L	BLQ(LOQ:2.0)	
35	Silica as SiO ₂	IS 3025 (Part 35) - 2024	mg/L	20	21
36	Total suspended solids (TSS)	IS 3025 (Part 17)-2022	mg/L	BLQ(LOQ:2.0)	
37	Free Ammonia as NH ₃	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.5)	

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: 39/6, Thiruvallur High Road, Puduchattam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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WATER SPRINKLING





Chettinad Cement/ Periyathirukonam Mine /Environment Statement/2024-25/189
12 Sep 2025

To
The Member Secretary
Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy,
Chennai – 600 032.

Respected Sir,


Sub : Submission of Environmental Statement in "Form V" under Environment (Protection) Rules, 1986 for the year 2024-25 - Chettinad Cement Corporation Private Limited -Periyathirukonam Limestone Mine, Periyathirukonam Village, Ariyalur District, Tamilnadu

We submit herewith the "Environmental Statement" pertaining to our Periyathirukonam Limestone Mine in the prescribed format (Form V) under Environment (Protection) Rules, 1986, for the year 2024-25.

Kindly acknowledge the receipt.

Thanking you

Yours faithfully,
for Chettinad Cement Corporation Private Limited


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

Copy to :

1. Regional Director CPCB, Chennai
2. Dy. Director General of Forest, IRO, MoEF & CC, Chennai
3. JCEE, TNPCB, Trichy
4. DEE, TNPCB, Ariyalur

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 : GIN - U93090TN1962PTC004947
Chettinad Towers,
603, Anna Salai, Chennai - 600 006,
Tamilnadu, India.
T +91 44 28292727, 42951800
F +91 44 28291558

FORM - V

[See Rule 14 of Environment (Protection) Rules, 1986]

Environmental Statement for the Financial Year ending the 31st March 2025

PART – A

- (i) Name and address of the owner / occupier of the industry operation or process : **R.P. Muthiah,**
Sr. Vice President (Works)
 Chettinad Cement Corporation Private Limited
 Periyathirukonam Limestone Mine
 Periyathirukonam Village, Ariyalur District
 Tamilnadu
 Pincode :621707
- (ii) Industry category
 Primary (STC Code) : Red Small
 Secondary (SIC Code) : 1035- Mining and Ore beneficiation
- (iii) Production Capacity : 1.3993 million ton till (2028-29)
- (iv) Year of Establishment : 2019
- (v) Date of Last Environment Statement submitted : 25.09.2024

PART – B

Water and Raw Material Consumption

(i) Water Consumption (m³/day)

- Dust Suppression : 7.9
 Cooling : Not Applicable
 Greenbelt : 3.7
 Domestic : 1.0

Name of the Product		*Process Water Consumption (m ³) per unit (metric ton) of Product Output	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(1)	Limestone	0.009	0.010

*Water used for Dust Suppression & Greenbelt shown as process water consumption

(ii) Raw Material Consumption

Name of the Raw Material	Name of the Product	Consumption of Raw Material (metric ton) per unit (metric ton) of Output	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(1)	None # Limestone	--	--

As the production activity involves only mining, no raw material is required

PART - C

Pollution Discharged to Environment/unit of output
(Parameter as specified in the consent issued)

Pollutant	Quantity of Pollutant Discharged (mass/day) (tons/day)	Concentrations of Pollutants in Discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water			
No generation of any waste water from mining operation			
Domestic waste water is being sent septic tank , followed by dispersion trench			
Pollutant	Quantity of Pollutant Discharged (mass/day)	Concentrations of Pollutants in Ambient Air (Mass/volume) ($\mu\text{g}/\text{m}^3$)	Percentage of variation from prescribed standards with reasons
(b) Air			
PM ₁₀	Not Applicable as there is no point source of emission in Mine	59.0	Compared to Norm Less by 41.0 %
PM _{2.5}		28.3	Compared to Norm Less by 52.9 %
SO ₂		11.7	Compared to Norm Less by 85.4 %
NO ₂		21.6	Compared to Norm Less by 73.0 %
CO		2	Compared to Norm Less by 100.0 %

PART - D

HAZARDOUS WASTES

[As specified under [Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016]

Hazardous Waste		Total Quantity Generated in metric tons	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(a)	From Process - None	NIL	NIL
(b)	From Pollution Control Facilities-None	NIL	NIL

PART – E

SOLID WASTES

Solid Waste		Total Quantity Generated (metric tons)	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(a)	From Process- Rejection	300527	488580.77
(b)	From pollution control facilities	NIL	NIL
(c)	1. Quantity recycled or re-utilized within the unit	NIL	NIL
	2. Sold	NIL	NIL
	3. Disposed	NIL	NIL

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes

Name of the Waste	Quantity	Characteristics	Disposal Practice Adopted
(1) Hazardous Waste None	NIL	NA	NA
(2) Solid Waste Rejections	Opening Stock (as on 01.04.2024): 1403790 tons Generation (Apr'24-Mar'25) : 488580.77 T Consumption (Apr'24-Mar'25) : : 724827.44 T Closing Stock (as on 31.03.2025): 1167543.33 tons	SiO ₂ 45-50 % CaO 10-15% Fe ₂ O ₃ 3- 5% Al ₂ O ₃ 2- 3%	Rejection soil will be used for Backfilling & afforestation purpose only.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

Specific consumption of water 0.010 m³ per ton of Limestone

PART – H

Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution

Investment Proposal for Environmental Protection for the year 2025-26

- Plantation & Maintenance of saplings : Rs 0.8 lakh

PART – I

Any other particulars for improving the quality of environment

- a. Regular maintenance of all mining machinery and vehicles are being ensured so that vehicular emissions are within prescribed limits
- b. Ban plastic awareness display board fixed at the entrance of the LS mines
- c. Roads are being maintained effectively to avoid dust emission.
- d. Routine and regularly water sprinkling is being carried out to suppress dust emission.
- e. Existing de-silting pond further strengthening under progress with stone pitching arrangements and garland drains has been desilted periodically before monsoon to prevent carryover of solid particles.
- f. So far around 20749.00 trees planted covering 10.11 Ha.

Place : Ariyalur

Date : 12.09.2025

(Signature of the Authorized Person)

Name : **R.P. Muthiah**

Designation : Sr. Vice President (Works)

hush

GREEN BELT DEVELOPMENT

I) Afforestation Inside the Lease area



a) Lease Entrance area (North West boundary) Afforestation





b) West Boundary Afforestation Photo



ii) Afforestation in Lease Boundary Periphery





iii) Afforestation around the Mines Office area





iv) Afforestation outside the Lease area



PRE MEDICAL EXAMINATIONS




FORM - D
Report of medical examination under Rule 25B

Certificate to _____

Certified that Shri/Smt. K. K. RAO employed as Operator in Coal mine, Form D No. _____ has been examined for (initial) Periodical Medical Examination. He/she appears to be 33 years of age. The findings of the examining authority are given in the attached sheet. It is considered that Shri/Smt. K. K. RAO

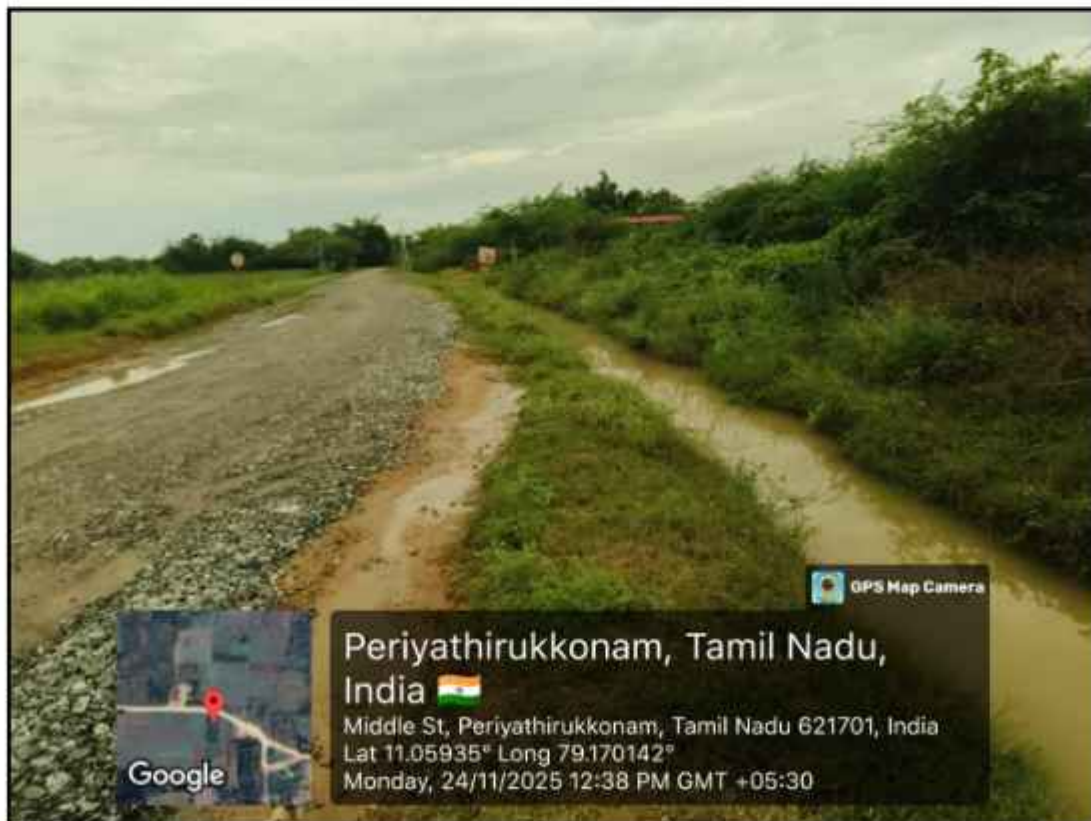
(a) is medically fit for any employment in mines.
 (b) is suffering from _____ and is medically unfit for
 (i) any employment in mines, or
 (ii) any employment below ground, or
 (c) is suffering from _____ and should get this disability controlled and should be again examined within a period of _____ months. He/she will appear for re-examination with the result of test of _____ and the opinion of _____ Specialist from _____ He/she may be permitted to carry on his duties during this period.


H. T. ARUNACHALAM M.B.B.S.
 Surgeon
ADITYA HOSPITAL
 47/10, Anna Road
 Chennai - 600 021
 Date: 24/11/2024

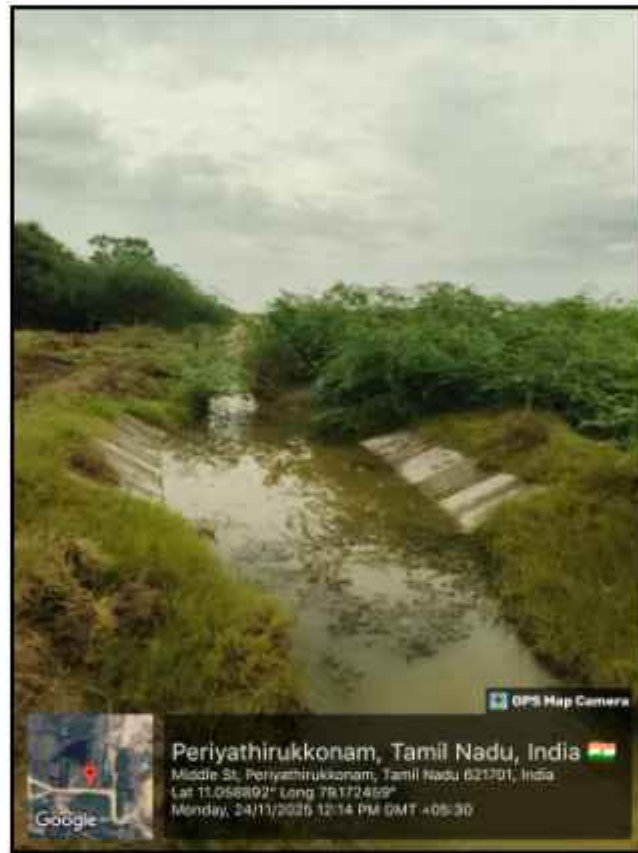
H. T. ARUNACHALAM M.B.B.S.
 Surgeon
ADITYA HOSPITAL
 47/10, Anna Road
 Chennai - 600 021

* Delete whatever is not applicable.

GARLAND DRAINAGE



SILTATION POND





INTEGRATED MANAGEMENT SYSTEM (IMS) POLICY

(Quality, Environment, Occupational Health & Safety and Energy - QEHSE)

Chettinad Cement Corporation Private Limited is committed to maintain total customer satisfaction by providing products and services that consistently meet or exceed their expectations and applicable requirements. And also committed to maintain high level of Environment, occupational health & safety and Energy standards in line with our strategic directions;

To Achieve this, we shall;

1. Ensuring consistent Premium Cement quality, on-time supply, technical support and utmost customer satisfaction;
2. Protection of Environment, Prevention of pollution, Green & clean Environment and enhancing Environmental performance;
3. Prevention of Injury, ill health and OH&S risks and improved OH&S performance;
4. Ensuring effective operation and Maintenance of energy related equipments and minimizing the energy losses;
5. Continual improvement of all IMS processes by set and review the Quality / Environment / OH&S / Energy objectives and targets to enhance the IMS performance;
6. Comply all applicable legal and other requirements;
7. Eliminating OH&S Hazards and reduce OH&S risks;
8. Provide required resources of fund, man-power and cleaner & modern technology for ensuring efficient and effective functioning;
9. Procure energy-efficient products & services and support designs for improvement in energy performance;
10. Inculcating safe work culture by way of training and development of personnel;
11. Ensuring consultation and participation of workers in safety related activities;
12. Periodically review this policy to ensure that it remains relevant and appropriate and make available this policy to the employees, contracted personnel, public and the interested parties, as relevant.

A handwritten signature in black ink, appearing to be "N. S. R.", written over a horizontal line.

Date: 01.11.2020

CHIEF OPERATING OFFICER

Rev. 01

MEDICAL FACILITIES AT OHC



PPE'S USAGE



**Compliance of Notification published by MoEF&CC on
12.08.2021**

Single Use Plastic Ban Awareness Board installed



Single Use Plastic Ban Awareness for Workers



FENCING PHOTOS





CSR ACTIVITIES

Construction of Open Auditorium at Chettithirukonam Village





Final Report on
**RECONDUCT OF FLOOD MODELLING AND HYDROGEOLOGICAL
STUDY FOR PERIYATHIRUKONAM MINE, ARIYALUR DISTRICT,
TAMILNADU**

Submitted to

M/s CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

CHETTINAD TOWERS, CHENNAI – 600 006



INSTITUTE FOR OCEAN MANAGEMENT

ANNA UNIVERSITY, CHENNAI - 600 025

SEPTEMBER 2024

M. Kail

DIRECTOR
Institute for Ocean Management
Anna University, Chennai - 600 025, India

**RECONDUCT OF FLOOD MODELLING AND
HYDROGEOLOGICAL STUDY FOR PERIYATHIRUKONAM MINE,
ARIYALUR DISTRICT, TAMILNADU**

INVESTIGATION TEAM

INSTITUTE FOR OCEAN MANAGEMENT
DEPARTMENT OF CIVIL ENGINEERING
COLLEGE OF ENGINEERING GUINDY (CEG)
ANNA UNIVERSITY, CHENNAI – 25

1. **Dr. M. Krishnaveni**, Principal Investigator
Professor, Director, Institute for Ocean Management
2. **Dr. G. Ravikumar**, Co-Principal Investigator
Professor, Centre for Water Resources
3. **Dr. R. Sudharsanan**, Associate Professor,
Velammal Engineering College
4. **Mr. M. Keerthivasan**, Project Associate
5. **Miss. Sundru Uma**, Project Associate

**RECONDUCT OF FLOOD MODELLING AND HYDROGEOLOGICAL
STUDY FOR PERIYATHIRUKONAM MINE
ARIYALUR DISTRICT, TAMILNADU**

1.0 INTRODUCTION

M/s Chettinad Cement Corporation Private Limited (CCCPL) is currently operating mine of 32.395 ha with distance of 100 m from the north bank of Marudhaiyar River, located at Periyathirukonam village, Ariyalur District, Tamil Nadu. The State Environmental Appraisal Committee (SEAC) issued a condition to provide safety distance of 100 m from Marudhaiyar River Boundary while availing for Environmental Clearance. During Discussion, the SEAC has advised CCCPL to carry out Flood Modelling as well as Hydrogeological Study before going for Environmental Clearance amendment in respect to reducing the safety distance from 100 m to 50 m currently, the mineral from the mine is almost excavated and currently very little reserve is left for future mining. As per MMDR and MCR act and rules the Safety distance of 50 m has to be provided for any water bodies/ rivers. As per sustainable mining in this lease and recovery of valuable limestone reserve still prevails in 50 m to 100 m of the safety zone. In addition to that an agreement MDPA (Mineral Development and Production Agreement) states that the Movable reserves established are to be mined off and any shortfall in movable quantity will be penalized as penalty.

In view of the above, M/s Chettinad Cement Corporation Private Limited (CCCPL), Chettinad Towers, Anna Salai, Chennai 600 006, requested through a letter no. CCCPL/Misc./PTK/01/22-23, dated 20.02.2023 addressed to Director, Institute for Ocean Management (IOM), Anna University, Chennai to carry out the study on impact on Marudhaiyar river due to the change in safety distance from 100m to 50m for mining at Periyathirukonam Village, Ariyalur Taluk and District, Tamil Nadu. The Copy of Mining Lease as well as Environmental Clearance enclosed as Annexure 1 and Annexure 2 respectively. Based on the discussion with the officials of M/s CCCPL, a field visit to the site was conducted by the expert team of IOM during 12th March 2023. During the field visit, the field conditions, data requirements, surface and ground water scenario in and around the mining lease area are studied to assess the impact of mining on surface, subsurface and ground Water of Marudhaiyar River during normal and flood events by considering the hydrological and hydro geological boundaries.

Based on the Committee Suggestions:

As per the SEAC suggestion given in the SEAC meeting (441st) held on 31.01.2024, revised report has been prepared with data obtained from PWD. Minutes of SEAC is attached as Annexure 3.

1.1 SCOPE OF THE WORK

This study comprises of the following components with specific objectives:

I. Flood Estimation

- To assess the possible flood discharge in the Marudhaiyar River for the design storm of 25 year return period and to estimate water surface elevation near the Periyathirukkonam Mine site.

II. Groundwater modeling

- To simulate the steady state condition of groundwater flow and to find the direction and water table levels around the mine site.
- To simulate the impact of mine with safe distance of 100m from the river bank on the groundwater flow direction and water table levels in and around the site.
- To simulate the impact of mine with safe distance of 50m from the river bank on the groundwater flow direction and water table levels in and around the site.
- To study the impact of refilling of the mined area on groundwater flow direction and aquifer characteristics.

2.0 STUDY AREA AND DATA COLLECTION**2.1 RECONNAISSANCE SURVEY**

Reconnaissance survey was conducted by the technical team of Anna University during March 2023 to study the details such as physiographic characteristics, hydrologic boundary condition and natural regime of surface and ground water flow for fulfilling the scope of the work. The photographs taken during the field visit in the study area are shown in Figures 1 to 2.



Figure 1 Field visit by the team members in the mine site



Figure 2 Field visit by the team members near CWC Varanavasi Gauging site in Marudhaiyar Rive

2.2 DATA COLLECTION

The primary and secondary data needed for this study is collected from various organizations /institutions and the details are presented in Table 1