

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

Proposal No	IA/TN/MIN/119992/2019
Compliance ID	1228846565
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1228846565/2026
Reporting Year	2026
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	29-05-2026
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.



CCCPI/TN/ARN/EC Compliance/Oct'2025 – Mar'2026/25-26/

27.05.2026

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 (Oct 2025 to Mar 2026) – Arungal Limestone Mine (67.73 ha) of Chettinad Cement Corporation Private Limited at Arungal Village, Ariyalur Taluk & District, Tamilnadu.

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

We submit herewith the Six Monthly Environmental Clearance Compliance Report pertaining to Arungal Limestone Mine (67.73 ha) at Arungal Village, Ariyalur Taluk & District, Tamilnadu, for the period from Oct 2025 to Mar 2026.

Environmental Monitoring Report comprising of

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

Chettinad Cement Corporation Private Limited.

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Ariyalur Dist - 621707, Tamilnadu, India.
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E : ariyalur@chettinadcement.com
www.chettinad.com

Regd. Office : CIN - U93090TN1962P1C004947

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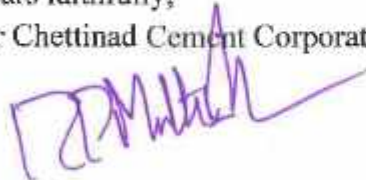


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|---|---------------|
| 11. Photos of Noise Monitoring | - Annexure 11 |
| 12. Green belt & Kurunkadugal development | - Annexure 12 |
| 13. Photos of Settling Pond | - Annexure 13 |
| 14. Photos of Topsoil Storage | - Annexure 14 |
| 15. CER Fund Compliance | - Annexure 15 |
| 16. Environment & Safety Cell Team | - Annexure 16 |
| 17. Photos of Ban Plastic Awareness | - Annexure 17 |
| 18. PUCC for Truck | - Annexure 18 |
| 19. Occupational Health Check | - Annexure 19 |
| 20. Copy of ESZ Gazette Notification | - Annexure 20 |
| 21. Copy of Consent to Operation | - Annexure 21 |
| 22. Copy of GO | - Annexure 22 |
| 23. Photos of Refilling | - Annexure 23 |

Kindly acknowledge the receipt of the same.

Yours faithfully,

For Chettinad Cement Corporation Private Limited


R. P. Muthiah

Sr. Vice President (Works)

Copy to:

Zonal Office, CPCB, Chennai

Member Secretary, TNPCB, Chennai.

JCEE, TNPCB, Trichy

DEE, TNPCB, Ariyalur

Chettinad Cement Corporation Private Limited.

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Half Yearly Compliance Report
2026
01 Jun(01 Oct - 31 Mar)

Acknowledgement

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

Compliance Reporting Details

Reporting Year	2026
Remarks (if any)	EC compliance report with annexures for the period from Oct 2025 to Mar 2026
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	Chettinad Cement Corporation Private Limited
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	Project Area as per EC Granted	Actual Project Area in Possession
Private	67.73	67.73
Revenue Land	0	0
Forest	0	0
Others	N/A	N/A
Total	67.73	67.73

Others Area

Sr. no	Other Name	Area Granted	Area Actual
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Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Limestone and Marl	Million Tons per Annum (MTPA)	31/03/2027	0.8	0.502894	0.8

Conditions

Specific Conditions

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

PPs Submission: Complied

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

Date:

23/05/2026

General Conditions

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

PPs Submission: Agreed to Comply
Conditions noted.

Date:

23/05/2026

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

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

Date:

23/05/2026

3	Statutory compliance	The State Government concerned shall ensure that mining operation
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		shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
PPs Submission: Agreed to Comply Conditions noted.		Date: 23/05/2026
4	Statutory compliance	This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
PPs Submission: Complied With reference to the MoEF notification (S. O. 1909(E) dt. New Delhi, the 31st May, 2019, the extent of Karaivetti Eco-sensitive Zone varies from 0.105 kilometers to 0.891 kilometers around the Karaivetti Bird Sanctuary and our Arungal Limestone mines falls at 3.7 KM i.e. out of Eco sensitive Zone of Karaivetti bird Sanctuary. We have received a letter from Principal Chief Conservator of Forests, Chennai for Karaivetti Bird Sanctuary location vide letter Ref.No.WL5(A)/34791/2019 dt. 20.08.2019, directed District Forest Officer to examine the condition. Based on the above PCCF letter, we have obtained a NOC letter from District Forest Officer vide letter No.C No.488/2012/P dt. 13.09.2019, stating that, the project site is located away from the Eco sensitive zone Boundary of Karaivetti bird sanctuary. Hence, NOC from NBWL is not applicable for this mining project. The ESZ Gazette Notification attached in Annexure-20		Date: 23/05/2026
5	Statutory compliance	This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
PPs Submission: Complied Forest Clearance is not applicable for our project.		Date: 23/05/2026
6	Statutory compliance	Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/Committee.
PPs Submission: Complied We had obtained Consent to Operate from Tamil Nadu State Pollution Control Board before commencement of Mining activity and the same was renewed vide Air Consent order No. 2208243539088 Water Consent order No. 2208143539088 dt.23.05.2022 and the conditions stipulated are being effectively implemented. The CTO compliance for Air and Water attached in Annexure - 21		Date: 23/05/2026
7	Statutory compliance	The PP shall adhere to the provision of the Mines Act,1952, Mines and Mineral (Development & Regulation), Act,2015 and rules & regulations made thereunder. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
PPs Submission: Complied The provision of MMDR Act 2015 and rules and regulations made thereunder and also circulars issued by DGMS and IBM are complied from time to time.		Date: 23/05/2026
8	Statutory compliance	The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of

		MMDR Act,1957 and rules made there under in respect of lands which are not owned by it.
PPs Submission: Complied The entire land belong to our company and the Mining Lease has been granted vide Rc No.10047/MM1/2008 dated 19.03.2012 by Department of Geology and Mining of the State Government of Tamilnadu for granting approval for Limestone Mining. Scanned copy of GO attached in Annexure-22		Date: 23/05/2026
9	Statutory compliance	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".(M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
PPs Submission: Agreed to Comply There is no habitation in and around the Mining lease area and mitigation measures are followed where ever required.		Date: 23/05/2026
10	Statutory compliance	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
PPs Submission: Agreed to Comply Guidelines Noted.		Date: 23/05/2026
11	Statutory compliance	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in).A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
PPs Submission: Complied Advertised in Dinamani, (Tamil Newspaper), in Indian Express, (English Newspaper) on 06.01.2020 The advertisement copy in both Tamil and English were uploaded online.		Date: 23/05/2026
12	Statutory compliance	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the Para 11 of EIA Notification,2006 as amended from time totime.
PPs Submission: Agreed to Comply Condition noted.		Date: 23/05/2026
13	AIR QUALITY MONITORING AND PRESERVATION	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1(one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the

		monitoring locations to monitor critical parameters, relevant for mining operations, air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/1, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
PPs Submission: Being Complied We have installed online Monitoring stations and the monitored data were displayed in the Mine site. (Annexure-05) In addition to the above, Ambient Air quality monitoring is being carried out with NABL accredited external agency (Annexure-01 and 06) periodically at a regular interval for the location in consultation with the Tamil Nadu Pollution Control Board guidance. Reports being submitted to TNPCB on regular basis. Also, TNPCB survey report vide letter no. 040AAQS/2025-26 DT. 14.08.2025 is enclosed as (Annexure-07) and values are within the limit.		Date: 23/05/2026
14	AIR QUALITY MONITORING AND PRESERVATION	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that airpollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.
PPs Submission: Complied The following control measures were adopted to control the dust level. (Annexure-08) a. Water Sprinkling by water tanker while handling materials containing finer particles b. Water sprinkling by water tanker on the haul roads within the mine area. c. Covering of materials with tarpaulin before commencement of transport. d. Ensuring Speed Control. e. Avoiding overloading. f. Good maintenance of vehicles and mining machinery There are no transfer points as no conveyor has been planned. The Ambient Air Quality parameters were monitored and confirmed to the norms prescribed by the Central Pollution Control Board.		Date: 23/05/2026
15	WATER QUALITY MONITORING AND PRESERVATION	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
PPs Submission: Complied The mining operation is being restricted to above ground water table and there is no intersection of groundwater table at any point of time.		Date: 23/05/2026
16	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for

		regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	
PPs Submission: Complied There is no disturbance to any water bodies in and around the village and we harvest the rainwater by deepening sump in the pit. The periodic monitoring, at least four times in a year as stipulated was carried out. The data thus collected was submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office at Chennai, State Ground Water Board.			Date: 23/05/2026
17	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	
PPs Submission: Complied Regular monitoring of ground water level and quality is being carried out in and around the Mining Lease Area by establishing a network of existing wells and with installed Piezometers. (Annexure-09) The periodic monitoring, at least four times in a year as stipulated was carried out. The data thus collected was submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office at Chennai, Central Ground Water Authority and the Regional Director, Central Ground Water Board / State Pollution Control Board.			Date: 23/05/2026
18	WATER QUALITY MONITORING AND PRESERVATION	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallah's existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.	
PPs Submission: Complied Regular monitoring of ground water level and quality was carried out in and around the Mining Lease Area by establishing a network of existing wells and with installed Piezometers. (Annexure-09) The periodic monitoring of water quality, at least four times in a year as stipulated was carried out and consolidated report is enclosed as (Annexure-03) The data thus collected was submitted regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office at Chennai, Central Ground Water Authority and the Regional Director, Central Ground Water			Date: 23/05/2026

Board/State Pollution Control Board.		
19	WATER QUALITY MONITORING AND PRESERVATION	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off, acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
PPs Submission: Complied The domestic effluent generated was treated in installed septic tank, followed by dispersion trench. Dimension of the septic tank (5.6X2.15X1.3) and Dispersion trench (3X2.4X1) was provided. There is no generation of effluent water from mining and there is no discharge of polluted water from leasehold. Hence, the need to monitor the effluent is not envisaged.		Date: 23/05/2026
20	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
PPs Submission: Complied Rainwater harvesting measures like garland drains/catch drains were provided to divert and collect the rainwater in the mine pit sump at the bottom most bench and augment groundwater resources. (Annexure 10)		Date: 23/05/2026
21	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
PPs Submission: Complied No workshop has been planned within the Mine Lease Area. Mining operations do not generate any waste water. Hence, the requirement of providing oil and grease trap is not envisaged.		Date: 23/05/2026
22	WATER QUALITY MONITORING AND PRESERVATION	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
PPs Submission: Agreed to Comply Condition noted.		Date: 23/05/2026
23	Noise Monitoring & Prevention	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
PPs Submission: Complied No blasting activities involved during mineral excavation, only Non-conventional mining methodology adopted, hence peak particle velocity is not applicable.		Date: 23/05/2026
24	Noise Monitoring & Prevention	The illumination and sound at night at project sites disturb the

		villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
PPs Submission: Complied There is no mining activity beyond the day light hours. Thus ensured the biological clock of the villages is not disturbed because of the mining activity. Workers engaged in the operations of HEMM were provided with ear plug/muff. The heavy mining equipment was provided with sound proof cabins for operators. Measures like silencer, greenbelt along the boundary of the mining lease area are being provided.		Date: 23/05/2026
25	Noise Monitoring & Prevention	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/ laborers are working without personal protective equipment.
PPs Submission: Complied Measures like silencers, greenbelt along the boundary of ML Area, etc., are provided and Mining Machinery and Vehicles were maintained properly for controlling noise level below 85 dBA in the work environment. A consolidated report is enclosed as (Annexure-02) Noise monitoring carried out periodically. Ear Plugs/Muffs were provided to the operators of HEMM. (Annexure 11). Also necessary safety training to all the Mine workers.		Date: 23/05/2026
26	MINING PLAN	The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.
PPs Submission: Complied No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment, Forests and Climate Change. No change in the calendar plan including excavation, quantum of mineral Limestone and Marl and waste was made without getting prior approval from concerned authorities.		Date: 23/05/2026
27	MINING PLAN	The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining &Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.

PPs Submission: Complied A Final Mine Closure Plan along with details of Corpus Fund will be submitted to the Ministry of Environment, Forest and Climate Change, prior to the final mine closure for approval.		Date: 23/05/2026
28	MINING PLAN	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
PPs Submission: Complied We are carrying out the mining activities as per approved Mining Plan. Compliance statement is submitted to the MoEFCC half yearly.		Date: 23/05/2026
29	LAND RECLAMATION	The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/ circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
PPs Submission: Complied The Overburden is being backfilled and used for green belt development. (Annexure -12)		Date: 23/05/2026
30	LAND RECLAMATION	The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
PPs Submission: Complied No Reject/waste was generated during the Mining Operation.		Date: 23/05/2026
31	LAND RECLAMATION	The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
PPs Submission: Being Complied No waste being generated during the Mining Operation. Overburden will be simultaneously backfilled and afforestation will be developed. The refilling area photo is attached in Annexure-23		Date: 23/05/2026
32	LAND RECLAMATION	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.

PPs Submission: Complied Proper slope has been maintained and native species saplings were planted to avoid the erosion and surface runoff.		Date: 23/05/2026
33	LAND RECLAMATION	The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC.
PPs Submission: Complied No waste was generated during the Mining Operation. Hence this condition does not applicable.		Date: 23/05/2026
34	LAND RECLAMATION	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
PPs Submission: Complied We have constructed Catch drains, settling tanks and siltation ponds around the mine working, mineral yards and Top Soil/OB/Waste dumps. The collected water is being utilized for watering the mine area, roads, green belt development, plantation etc. (Annexure 13)		Date: 23/05/2026
35	LAND RECLAMATION	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
PPs Submission: Complied We have constructed Garland drain, around the mine pit and OB dumps to prevent storm run-off which is being directed to settling pond. Finally, water will over flow into adjoining storm water channel. Kindly refer (Annexure 10 and 13), which is enclosed.		Date: 23/05/2026
36	LAND RECLAMATION	The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.
PPs Submission: Complied The top soil is stored at earmarked site only with proper slope and adequate safeguards like retention wall, trenches and gully plugs. The top soil is used for greenbelt development. (Annexure 14)		Date: 23/05/2026
37	GREENBELT	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

PPs Submission: Complied The greenbelt development work is under progress. Herbs and shrubs is also form a part of afforestation programme. Total Mining Lease Area : 67.73 ha Sapling planted during Oct - Mar 26: 1393 Nos. Total saplings Planted (Cumulative) : 12,795 Nos Total Covered Area (Ha) : 0.557 Ha Tree Density (planned) : 2500 /ha The native species planted are a. Neem b. Pungan c. Vembu d. Pouvarasa e. Illupai f. Teak g. Tamrind The greenbelt development is carried out progressively as per mining plan and enclosed as (Annexure-12) In addition to the above, we are developing Kurunkadugal scheme as per TN Green Mission guidance in the Lease area. (Annexure-12)		Date: 23/05/2026
38	GREENBELT	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
PPs Submission: Complied We have carried out plantation /afforestation in back filled and reclaimed area simultaneously as per mining approved mining plan with consultation Forest Department/Agriculture Department/ Rural development department. The density of the trees 2500 saplings per Hectare is followed as per CPCB guidelines.		Date: 23/05/2026
39	GREENBELT	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
PPs Submission: Complied The grazing land near our mine being provided .		Date: 23/05/2026
40	GREENBELT	The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt. And implemented in consultation with the State Forest and Wildlife Department.
PPs Submission: Complied Endangered flora and fauna and Schedule I species not available in our Mining lease area.		Date: 23/05/2026
41	GREENBELT	A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.
PPs Submission: Complied Endangered flora and fauna and Schedule I species not available in our Mining lease area.		Date: 23/05/2026
42	PUBLIC HEARING	The Project Proponent shall appoint an Occupational Health

		Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.	
PPs Submission: Complied A doctor, trained in occupational health is in-charge of the First Aid Centre. Awareness Programme on Occupational Health, Diseases and Safety measures was conducted on regular basis. Occupational health and safety measures for the workers including identification of work related health hazards and the protective measures were ensured. Occupational health surveillance programme of the workers was undertaken periodically to observe any abnormality due exposure to respirable mineral dust and take corrective measures, if needed. Surveillance Health records of the workers are being maintained. Review of impact of various health measures were undertaken (at interval of five years) conducted.			Date: 23/05/2026
43	PUBLIC HEARING	The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.	
PPs Submission: Complied For all mining operations, Hazard Identification and Risk Assessment being carried out to identify the Risk and mitigating measures were taken to ensure Zero harm.			Date: 23/05/2026
44	PUBLIC HEARING	The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).	

PPs Submission: Complied We are following all medical test in Initial medical examination (IME) and Periodical medical examination (PME). Awareness Programme on Occupational Health, Diseases and Safety measures are conducted on regular basis. Occupational health and safety measures for the workers including identification of work related health hazards and the protective measures are ensured. Details enclosed as (Annexure-19) Occupational health surveillance programme of the workers were undertaken periodically to observe any abnormality due exposure to respirable mineral dust and take corrective measures, if needed. Surveillance Health records of the workers is being maintained. Review of impact of various health measures undertaken (at interval of five years) conducted.			Date: 23/05/2026
45	PUBLIC HEARING	The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 - 24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.	
PPs Submission: Complied We are following all medical test in Initial medical examination(IME) and Periodical medical examination(PME). Surveillance health records of the workers is being maintained.			Date: 23/05/2026
46	PUBLIC HEARING	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	
PPs Submission: Complied Personnel working in the mine are given adequate training, information on safety and health aspects and provided with required Personal Protective Equipment (PPE). Occupational health surveillance program of the workers being are undertaken periodically to observe any abnormality due to exposure to dust and take corrective measures, if needed.			Date: 23/05/2026
47	PUBLIC HEARING	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	
PPs Submission: Complied Only the construction of toilet and septic tank and an office shed is involved. The workers from nearby the villages were engaged. No housing for the construction labourers is envisaged. However, safe drinking water, medical health care etc., is ensured for the Mine labourers.			Date: 23/05/2026
48	PUBLIC HEARING	The activities proposed in Action plan prepared for addressing the	

		issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.	
PPs Submission: Complied Public hearing points are addressed from CER fund and report being submitted to the Ministry.			Date: 23/05/2026
49	Corporate Environmental Responsibility	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.	
PPs Submission: Complied Budget earmarked for the CER will not be used for any other purpose. We have been completing the CER proposal as directed in the EC in phased manner. The necessary abstract, proof and photos are enclosed as (Annexure-15)			Date: 23/05/2026
50	Corporate Environmental Responsibility	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office.	
PPs Submission: Complied The funds earmarked for environmental protection measures are kept in separate account and used to implement the Environment Management Plan as furnished in the EIA Report.			Date: 23/05/2026
51	MISCELLANEOUS	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	
PPs Submission: Complied we prepared a digital map of the entire lease area and report was submitted to Regional Office of the MoEF and CC.			Date: 23/05/2026
52	MISCELLANEOUS	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	
PPs Submission: Complied The entire fund required was met from the company's own, internally accrued funds. Hence, the requirement of informing the date of financial closure and the approval of the project to the Regional Office of the MOEF and CC, Chennai does not arise.			Date: 23/05/2026
53	MISCELLANEOUS	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	
PPs Submission: Complied			Date:

Six monthly EC compliance report is being submitted regularly to the Regional Office of MoEF and CC, Chennai, CPCB and TNPCB.		23/05/2026
54	MISCELLANEOUS	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
PPs Submission: Complied A separate environmental management cell formed to carry out various activities related to Environment under the control of the Plant Head. Report enclosed as Annexure-16.		Date: 23/05/2026
55	MISCELLANEOUS	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
PPs Submission: Complied Full cooperation is extended to the officer (s) of the Regional Office by furnishing: the requisite data / information / monitoring reports.		Date: 23/05/2026
56	MISCELLANEOUS	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
PPs Submission: Complied No Transportation of minerals is carried out through village road. An approach road constructed from the mine area to the highways road. Regular water sprinkling being is carried out to control the dust emission. Pollution under control certificate being regularly obtained from the transporters. Pollution under control certificate is enclosed as (Annexure-18)		Date: 23/05/2026
57	MISCELLANEOUS	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions

PPs Submission: Complied The following control measures are adopted to control the dust level. (Annexure 08) a. Water sprinkling by water tanker on the haul roads within the mine area. b. Covering of materials with tarpaulin before commencement of transport c. Ensuring Speed Control d. Avoiding overloading e. Good maintenance of vehicles and mining machinery There will be no transfer points as no conveyor has been planned.		Date: 23/05/2026
58	Statutory compliance	The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
PPs Submission: Complied We have obtained Renewal of No Objection Certificate bearing certificate No. 274/2025 (R-5) dt. 09.04.2025 from Water Resources department, Chennai, for withdrawal of Ground water from own Bore well for 40 KLD and NOC is enclosed as (Annexure-4)		Date: 23/05/2026
59	Statutory compliance	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
PPs Submission: Complied A copy of the Environmental Clearance letter was submitted to Arungal Panchayat.		Date: 23/05/2026
Visit Remarks		
Last Site Visit Report Date:		N/A
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.		

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

for Chettinad Cement Corporation Private Limited


 B. Vikram Pyus
 Deputy General Manager (Mines)

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

for Chettinad Cement Corporation Private Limited


 B. Vikram Pyus
 Deputy General Manager (Mines)

Chettinad Cement Corporation Private Limited - Arungal Limestone Mine

Arungal Village, Ariyalur District, Tamilnadu State

Ground Water Quality Monitoring Report

Apr 2025 - Sep 2025

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

GW1: Arungal village

GW 2: Sathamangalam village

SW3: Mines Sump Water

BLQ: Below Qualification Limit.

BDL: Below Detectable Level

for Chettinad Cement Corporation Private Limited



B. Vikram Pyus
Deputy General Manager (Mines)



GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT



Kurothi Panguni
Thiruvalluvar Aandu 2056

From:

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

To:

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

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

Sir,

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

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

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

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

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

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

Enclosure:

1. Renewal of No Objection Certificate & Conditions


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



Certificate No.274/2025 (R-5)

Dated: 09.04.2025

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

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

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

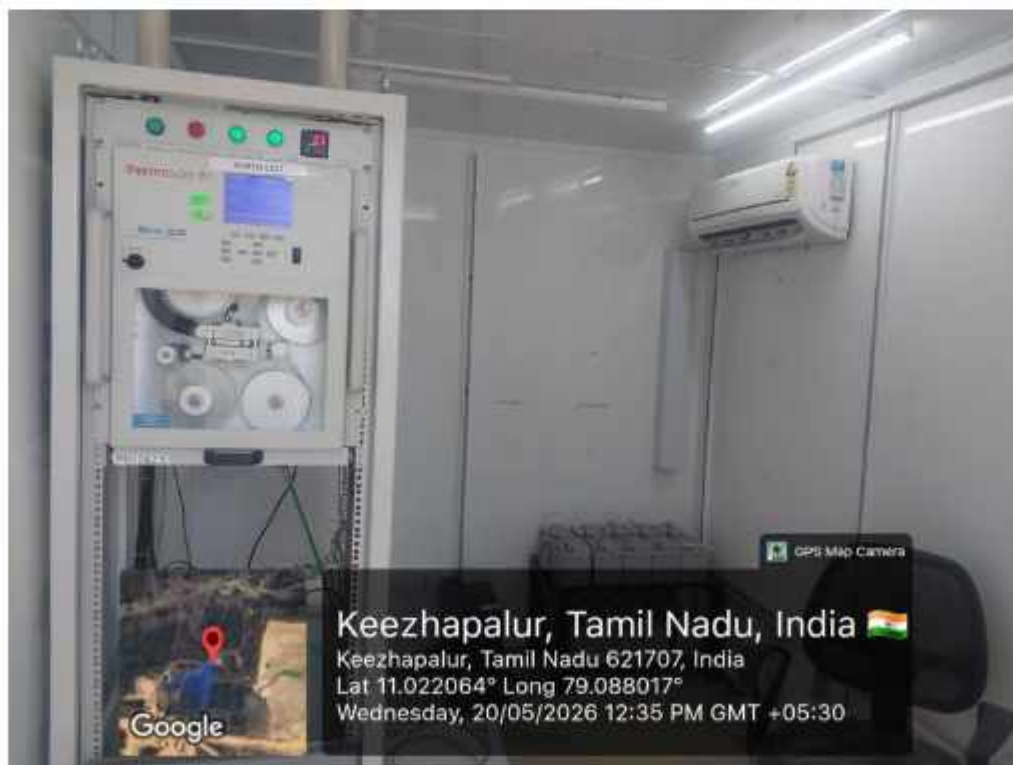
This renewal certificate is valid from 20.04.2025 to 19.04.2026 and the Renewal of NOC is issued under the conditions laid down.


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

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

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


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

CAAQ Monitoring Station

AAQ Monitoring Station – External Survey





TEST REPORT - AMBIENT AIR QUALITY SURVEY

ULR No	TC1604925000000100F		
Test Report No	040AAQS/2025-26	Date: 14.08.2025	Page 1 of 1

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

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

Remarks:

End of Report

[Signature]
22/08/2025

(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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



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



TEST REPORT – AMBIENT NOISE LEVEL SURVEY

ULR No	TC1604925000000101F		
Report No	040ANLS/2025-26	Date : 14.08.2025	Page 1 of 1

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

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

Remarks:

End of Report


(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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



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

TEST REPORT
INFERENCE REPORT

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

STATUS OF POLLUTANTS LEVEL

LAMBIENT AIR QUALITY:

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

Minimum & Maximum Values of Pollutants Level Observed

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

Remarks:

End of Report

(G. Srinithi)
Deputy Chief Scientific Officer
Authorised Signatory

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

Dust Suppression

Water Sprinkling & Tarpaulin Cover



Piezometer Monitoring Borewell



GARLAND DRAIN





Noise Monitoring



Green Belt Development





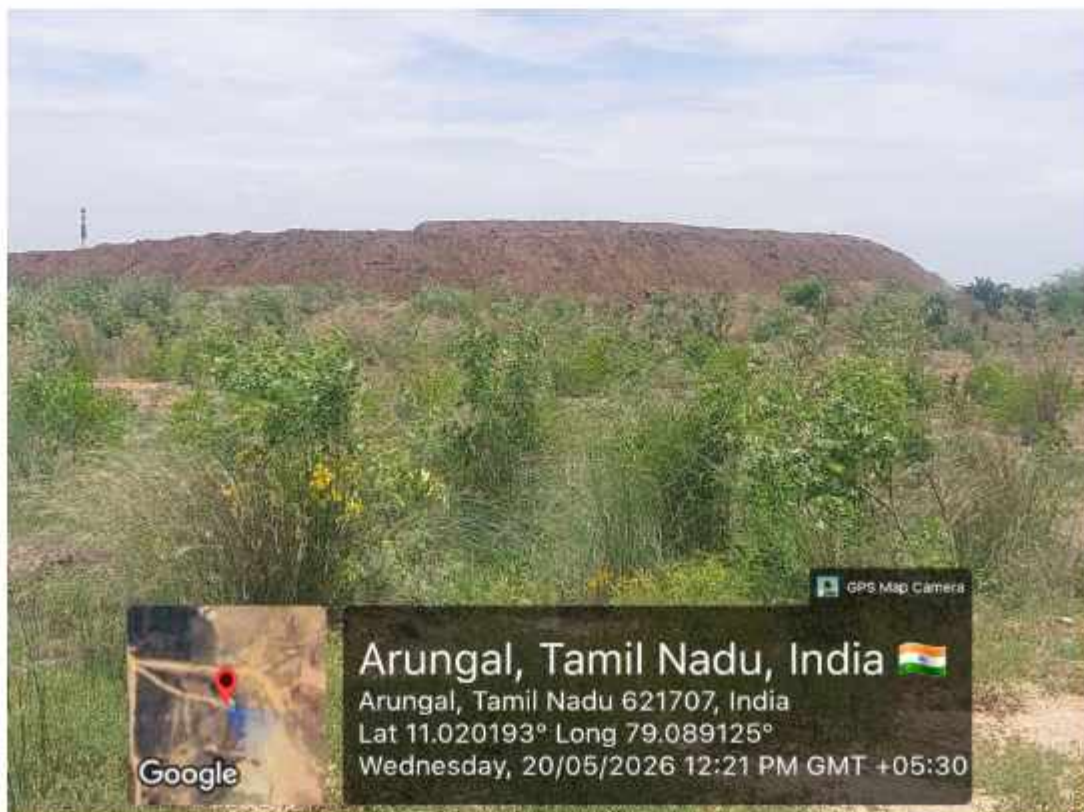
தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்		
தமிழ்நாடு பசுமை இயக்கம் - குறுங்காடு வளர்ப்பு திட்டம்		
LOCATION: ARUNGAL LIMESTONE MINES		
NAME OF THE PLANT	மரக்கன்றுகளின் பெயர்கள்	NO OF SAPLINGS
NAVAL	நாவல் மரம்	150
PUNGAN	புங்கன் மரம்	200
NEEM	நேம்பமரம்	250
EETIMARAM	ஈட்டி மரம்	250
ILLUPPAI MARAM	இலுப்பை மரம்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

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



SETTLING POND



Top Soil Storage

A Consolidated CER Expenses Report

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

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



Dt.: 22.05.2025

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

Internal Circular

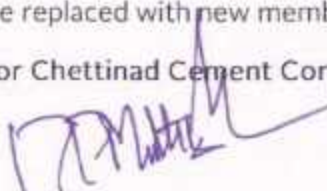
Sub: Environment & Safety Management Cell committee

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

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

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

for Chettinad Cement Corporation Private Limited


R. P. Muthiah
Vice President [Works]

Mail to: Team Members

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

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

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



Single Use Plastic Ban Awareness for Arungal Mines Employees & Workers



Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :

State Transport Department

Date : 31/12/2025**Time : 12:37:31 PM****Validity upto : 29/06/2026**

Certificate SL. No. : TN06100090008447
 Registration No. : TN73M3062
 Date of Registration : 08/Dec/2016
 Month & Year of Manufacturing : August-2016
 Valid Mobile Number : *****6160
 Emission Norms : BHARAT STAGE III
 Fuel : DIESEL
 PUC Code : TN0610009
 GSTIN :
 Fees : Rs.150.0
 MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.52
This PUC certificate is system generated through the national register of Motor vehicles and does not require any signature.				

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

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

SARAN POLLUTION TESTING CENTRE

Occupational Health Checkup





भारत का राजपत्र The Gazette of India

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 24 मई, 2018

का.आ. 2144(अ).—अधिसूचना का निम्नलिखित प्रारूप, जिसे केन्द्रीय सरकार, पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 3 की उपधारा (2) के खंड (v) और खंड (xiv) तथा उपधारा (3) के साथ पठित उपधारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, जारी करने का प्रस्ताव करती है, पर्यावरण (संरक्षण) अधिनियम, 1986 के नियम 5 के उपनियम (3) की अपेक्षानुसार, जनसाधारण की जानकारी के लिए प्रकाशित किया जाता है; जिनके उससे प्रभावित होने की संभावना है, और यह सूचित किया जाता है कि उक्त प्रारूप अधिसूचना पर, उस तारीख से, जिसको इस अधिसूचना को अंतर्विष्ट करने वाले भारत के राजपत्र की प्रतियां जनसाधारण को उपलब्ध करा दी जाती हैं, साठ दिन की अवधि की समाप्ति पर या उसके पश्चात् विचार किया जाएगा ;

ऐसा कोई व्यक्ति, जो प्रारूप अधिसूचना में अंतर्विष्ट प्रस्तावों के संबंध में कोई आपत्ति या सुझाव देने का इच्छुक है, वह विनिर्दिष्ट अवधि के भीतर, केन्द्रीय सरकार द्वारा विचार किए जाने के लिए, अपनी आपत्ति या सुझाव सचिव, पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, इंदिरा पर्यावरण भवन, जोर बाग रोड, अलीगंज, नई दिल्ली-110003 को या ई-मेल esz-mef@nic.in पर लिखित रूप में भेज सकता है।

प्रारूप अधिसूचना

कराईवेत्ती पक्षी अभयारण्य तमिलनाडु के अरियालूर तालुक (अरियालूर नगर से लगभग 20 किलोमीटर), जिला अरियालूर में 79° 2' 6.56" पू. और 79° 3' 26.2" पू. देशांतर और 10° 58' 12.19" उ और 10° 58' 50" उ अक्षांश में स्थित है इसका क्षेत्रफल 4.53715 वर्ग किलोमीटर है। यह अभयारण्य किलाकावात्तनकूरुची, कराईवेत्ती, कोवीलेस्सनाई पूर्व, सूत्तामल्ली, साथमनगलम, वेंगनूर और वेत्तीनूर राजस्व ग्रामों से घिरा हुआ है।

और, यह अभयारण्य तमिलनाडु राज्य में प्रवासी जल पक्षियों के लिए सबसे ताजे जल की महत्वपूर्ण आहार भूमि है। इस अभयारण्य में 82 जल पक्षियों सहित पक्षियों की 188 अभिलिखित प्रजातियों की मौजूदगी दावा किया जाता है। यहां एक बार में कम से कम 45 पक्षी प्रजातियां मूलभूत हैं और यह स्थान ऑनिथोलॉजिस्ट और शोधकर्ताओं के लिए एक विकल्प-स्थान है। प्रतिवर्ष लगभग 50,000 से 60,000 पक्षी इस अभयारण्य में आते हैं। इस अभयारण्य में पक्षी प्रजातियां अर्थात् ओपन बिल्लेड स्ट्रोक, बाइट लबिस, ब्लैक लबिस, डारटर, स्पोट बिल्लेड पेलिकन, कारमोरेंट और कई अन्य प्रजातियां प्रजनन करती हैं।

और, इस अभयारण्य में संकटापन्न प्रजातियां अर्थात् बार हेडेड बतख, हाईएस्ट-फ्लाइंग भी देखने को मिलती हैं। विश्व में सबसे ऊंचा उड़ने वाली और माउंट एवरेस्ट के ऊपर से भी उड़ने वाली चिड़िया के बारे में बताया जाता है कि वह लद्दाख और 7 तिब्बत में प्रजनन करती है। यह प्रजातियां (जिसे एच 1 एन 1 बर्ड फ्लू वायरस के वाहक के रूप में लिए जाना जाता है) फरवरी के अंत में यहां पहुंचती है और मई के महीने तक यहां रहकर वापिस अपने प्रजनन स्थल पर उड़ जाती है।

और, यह अभयारण्य मूलतः एक सिंचाई टैंक है। इसमें कोई प्राकृतिक वन नहीं है। 1981 से 1988 तक टैंक के पश्चिमी तट पर वन विभाग के सामाजिक वानिकी विंग द्वारा बबूल (*अकैशिया नीलोटीका*) के पेड़ लगाए गए थे। ओपन बिल्लेड स्ट्रोक, बाइट डबिस आदि जैसे पक्षी इन बबूल वृक्षों को अपने बसेरे और घोंसले बनाने के लिए उपयोग में लाते हैं।

और, इस अभयारण्य में वनस्पति और जीवजंतुओं की विविधता है। इस अभयारण्य में पाए जाने वाले महत्वपूर्ण पक्षी हैं: ग्रेबे (*तचयबापटुसयुफिकाल्लिस*), ग्रे पेलिकन (*पेलिकननस्थील्लिपेनिसिस*), लिटिल कॉमोरेंट (*फलाक्रोकोराक्रिगेर*), ग्रेट कॉमोरेंट (*फलाक्रोकोरक्स कारबो*), डारटर (*अंहीन्गा रुफा*), लिटिल इग्रेट (*इग्रेट्टागरोजेटा*), ग्रे सारस (*अरदेयकिनेरया*), बैगनी सारस (*अरदेयपुरपुरेया*)। इस अभयारण्य में जैसे ग्रे नेबला (*हेरपेस्टेसेडवार्डसी*), इंडियन पाम गिलहरी (*फताम्बुलुस्प्याल्मरूम*) जैसे स्तनधारी भी विद्यमान हैं। इस अभयारण्य में भूमि पर रहने वाले पक्षी अभिलिखित पक्षी हैं ओरिइंटल हनी-बुजार्ड (*पेरनिसपतिलोरिनचूस*), ब्लैक-सोल्डेरेड काइट (*इलानुस्काईरुलेउस*), बरहमिनी काइट (*हलियस्टुरिडुस*), बरहमिनी काइट (*हलियस्टुर इंडुस*), वेस्टर्न मार्थ-हैरियर (*किरकुस अरुगिनेसु*), शिकरा (*अकिपिटेर वादीउस*), ओसपरेय (*पंदीओन हालियटुस*) और कॉमन केस्टरेल (*फल्कू टीनुकुलुस*)। इस अभयारण्य की विविध प्रजातियों में तितलियां, कीड़े मकोड़े और सरीसृप जैसे इ.जी. हाउस छिपकली (*हेमिदाक्टीलुसफरेनाटुअस*), स्पॉटेड इंडियन छिपकली (*हेमिदाक्टीलुसस्वर्गीकी*), ग्राडेन लिजार्ड (*कलोटेस्वेरसिकोलोर*), कॉमन इंडियन स्किंक (*इयट्रोफिस्कीरिनाता*), ओलिव कैल्बक (*अब्रेतिथिसतौमुम*) और चेक्करदकैल्बक (*स्सेनोक्रोफिसपीसकेटर*) शामिल हैं। इस अभयारण्य में पाए जाने वाली लुमप्राय और संकटापन्न प्रजातियां लिटिल ग्रेबे (*तचयबमुसुफिकोल्लिस*), लिटिल कॉमोरेंट (*फलाक्रोकोराक्रिगेर*), ग्रेट कॉमोरेंट (*फलाक्रोकोरक्स कारबो*), परपल सारस (*अरदेपुरपुरिया*), लिटिल ग्रीन सारस (*बुटोरिदेस्सटरिअटुस*), स्पॉट-बिल्लेड पेलिकन (*पेलिकनसुफिलिपेनिसिस*), और पैटड स्ट्रोक (*मयक्टेरिलेउकोफेला*) हैं।

अतः, अब, केन्द्रीय सरकार, पर्यावरण (संरक्षण) अधिनियम, 1986 के नियम 5 के उपनियम (3) के साथ पठित पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की उपधारा (1) तथा धारा 3 की उपधारा (2) एवं उपधारा (3) के खंड (v) और खंड (xiv) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, तमिलनाडु राज्य में कराईवेत्ती पक्षी अभयारण्य की सीमा के चारों ओर 0.105 किलोमीटर से 0.891 किलोमीटर तक विस्तारित क्षेत्र को कराईवेत्ती पक्षी अभयारण्य पारिस्थितिकी संवेदी जोन (जिसे इसमें इसके पश्चात् पारिस्थितिकी संवेदी जोन कहा गया है) के रूप में अधिसूचित करती है, जिसका विवरण निम्नानुसार है, अर्थात् :-

1. **पारिस्थितिकी संवेदी जोन का विस्तार और सीमा**—(1) पारिस्थितिकी संवेदी जोन का विस्तार कराईवेत्ती पक्षी अभयारण्य के चारों ओर 0.105 किलोमीटर से 0.891 किलोमीटर तक है। पारिस्थितिकी संवेदी जोन का क्षेत्रफल 5.519 वर्ग किलोमीटर है।
- (2) पारिस्थितिकी संवेदी जोन की सीमा का वर्णन **उपाबंध-** के रूप में संलग्न है।
- (3) पारिस्थितिकी संवेदी जोन की सीमा के संरक्षित क्षेत्र का मानचित्र **उपाबंध क-ड.** में है।
- (4) पारिस्थितिकी संवेदी जोन और संरक्षित क्षेत्र की सीमा के भू-निर्देशांकों की सूची क्रमशः **उपाबंध (क)** और **(ख)** में है।
- (5) प्रमुख बिंदुओं के भू-निर्देशांकों के साथ पारिस्थितिकी संवेदी जोन के अंतर्गत आने वाले ग्रामों की सूची **उपाबंध-** के रूप में संलग्न है।

2. पारिस्थितिकी संवेदी जोन के लिए आंचलिक महायोजना.—(1) राज्य सरकार, पारिस्थितिकी संवेदी जोन के प्रयोजन के लिए, राजपत्र में अंतिम अधिसूचना के प्रकाशन की तारीख से दो वर्ष की अवधि के भीतर, स्थानीय व्यक्तियों के परामर्श से और इस अधिसूचना में दिए गए अनुबंधों का पालन करते हुए, राज्य सरकार के सक्षम प्राधिकारी के अनुमोदनार्थ, एक आंचलिक महायोजना बनाएगी।

(2) राज्य सरकार द्वारा पारिस्थितिकी संवेदी जोन के लिए आंचलिक महायोजना इस अधिसूचना में विनिर्दिष्ट रीति से तथा प्रासंगिक केंद्रीय और राज्य विधियों के अनुरूप तथा केंद्रीय सरकार द्वारा जारी दिशा निर्देशों, यदि कोई हों, के अनुसार बनायी जाएगी।

(3) आंचलिक महायोजना में पारिस्थितिकी और पर्यावरण संबंधी सरोकारों को शामिल करने के लिए इसे राज्य सरकार के निम्नलिखित विभागों के परामर्श से बनाया जाएगा, अर्थात्:—

- (i) पर्यावरण;
- (ii) वन और वन्यजीव;
- (iii) कृषि;
- (iv) राजस्व;
- (v) शहरी विकास;
- (vi) पर्यटन;
- (vii) ग्रामीण विकास;
- (viii) सिंचाई और बाढ़ नियंत्रण;
- (ix) नगरपालिका;
- (x) पंचायती राज;
- (xi) लोक निर्माण विभाग;
- (xii) राजमार्ग;
- (xiii) तमिलनाडु राज्य प्रदूषण नियंत्रण बोर्ड।

(4) जब तक इस अधिसूचना में विनिर्दिष्ट न हो, आंचलिक महायोजना में वर्तमान में अनुमोदित भू-उपयोग, अवसंरचना और क्रियाकलापों पर कोई प्रतिबंध नहीं लगाया जाएगा तथा आंचलिक महायोजना में सभी अवसंरचनाओं और क्रियाकलापों में सुधार करके उन्हें अधिक दक्ष और पारिस्थितिकी-अनुकूल बनाने की व्यवस्था की जाएगी।

(5) आंचलिक महायोजना में वनरहित और अवक्रमित क्षेत्रों के सुधार, विद्यमान जल निकायों के संरक्षण, आवाह क्षेत्रों के प्रबंधन, जल-संभरों के प्रबंधन, भू-जल के प्रबंधन, मृदा और नदी के संरक्षण, स्थानीय जनता की आवश्यकताओं तथा पारिस्थितिकी एवं पर्यावरण के ऐसे अन्य पहलुओं की व्यवस्था की जाएगी जिन पर ध्यान दिया जाना आवश्यक है।

(6) आंचलिक महायोजना में सभी विद्यमान पूजा स्थलों, ग्रामों एवं शहरी वस्तियों, वनों की श्रेणियों एवं किस्मों, कृषि क्षेत्रों, ऊपजाऊ भूमि, उद्यानों एवं उद्यानों की तरह के हरित क्षेत्रों, बागवानी क्षेत्रों, बगीचों, झीलों और अन्य जल निकायों की सीमा का निर्धारण किया जाएगा तथा सहायक मानचित्र भी दिया जाएगा। इस महायोजना में विद्यमान और प्रस्तावित भू-उपयोग की विशेषताओं का व्यौरा देने वाले मानचित्र भी दिए जाएंगे।

(7) आंचलिक महायोजना में पारिस्थितिकी संवेदी जोन में होने वाले विकास का विनियमन किया जाएगा और सारणी में यथासूचीबद्ध प्रतिषिद्ध एवं विनियमित क्रियाकलापों का पालन किया जाएगा। इसमें स्थानीय जनता की आजीविका की सुरक्षा के लिए पारिस्थितिकी-अनुकूल विकास का भी सुनिश्चय एवं संवर्धन किया जाएगा।

(8) आंचलिक महायोजना, क्षेत्रीय विकास योजना की सह-कालिक होगी।

(9) आंचलिक महायोजना पारिस्थितिकी संवेदी जोन में विकास को विनियमित किया जाएगा ताकि स्थानीय समुदायों की आजीविका सुरक्षा के लिए, पारिस्थितिकी अनुकूल विकास सुनिश्चित किया जा सके।

(10) अनुमोदित आंचलिक महायोजना, निगरानी समिति के लिए एक संदर्भ दस्तावेज होगी ताकि वह इस अधिसूचना के उपबंधों के अनुसार निगरानी के अपने कर्तव्यों का निर्वहन कर सके।

3. राज्य सरकार द्वारा किए जाने वाले उपाय- राज्य सरकार इस अधिसूचना के उपबंधों को प्रभावी बनाने के लिए निम्नलिखित उपाय करेगी, अर्थात्:—

(1) **भू-उपयोग** – (क) पारिस्थितिकी संवेदी जोन में वनों, बागवानी क्षेत्रों, कृषि क्षेत्रों, मनोरंजन के लिए चिन्हित उद्यानों और खुले स्थानों का वृहद वाणिज्यिक या आवासीय परिसरों या औद्योगिक क्रियाकलापों के लिए प्रयोग या संपरिवर्तन अनुज्ञात नहीं किया जाएगा।

(ख) परंतु पारिस्थितिकी संवेदी जोन के भीतर भाग (क) में विनिर्दिष्ट प्रयोजन से भिन्न प्रयोजन के लिए कृषि और अन्य भूमि का संपरिवर्तन, निगरानी समिति की सिफारिश पर और सक्षम प्राधिकारी के पूर्व अनुमोदन से, क्षेत्रीय नगर योजना अधिनियम तथा यथा लागू केन्द्रीय/राज्य सरकार के अन्य नियमों एवं विनियमों के अधीन तथा इस अधिसूचना के उपबंधों के अनुसार स्थानीय निवासियों की निम्नलिखित आवासीय जरूरतों को पूरा करने के लिए अनुज्ञात किया जाएगा:

(i) विद्यमान सड़कों को चौड़ा करना, उन्हें सुदृढ़ करना और नई सड़कों का संनिर्माण करना;

(ii) बुनियादी ढांचों और नागरिक सुविधाओं का संनिर्माण और नवीकरण;

(iii) प्रदूषण उत्पन्न न करने वाले लघु उद्योग;

(iv) कुटीर उद्योग एवं ग्राम उद्योग; पारिस्थितिकी पर्यटन में सहायक सुविधा भण्डार, स्थानीय सुविधाएं तथा ग्रह वास; और

(v) बढ़ावा दिए गए और पैरा-4 में उल्लिखित क्रियाकलाप।

(ग) परंतु यह भी कि क्षेत्रीय शहरी नियोजन अधिनियम के अधीन सक्षम प्राधिकारी के पूर्व अनुमोदन के बिना तथा राज्य सरकार के अन्य नियमों एवं विनियमों एवं संविधान के अनुच्छेद 244 के उपबंधों तथा तत्समय प्रवृत्त विधि, जिसके अंतर्गत अनुसूचित जनजाति और अन्य परंपरागत वन निवासी (वन अधिकारों की मान्यता) अधिनियम, 2006 (2007 का 2) भी आता है, का अनुपालन किए बिना वाणिज्यिक या औद्योगिक विकास क्रियाकलापों के लिए जनजातीय भूमि का प्रयोग अनुज्ञात नहीं होगा।

(घ) परंतु यह भी कि पारिस्थितिकी संवेदी जोन के अंतर्गत आने वाली भूमि के अभिलेखों में हुई किसी त्रुटि को, निगरानी समिति के विचार प्राप्त करने के पश्चात्, राज्य सरकार द्वारा प्रत्येक मामले में एक बार सुधारा जाएगा और उक्त त्रुटि को सुधारने की सूचना केन्द्रीय सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय को दी जाएगी।

(ङ.) परंतु यह भी कि उपर्युक्त त्रुटि को सुधारने में, इस उप-पैरा में यथा उपबंधित के सिवाय, किसी भी दशा में भू-उपयोग का परिवर्तन शामिल नहीं होगा।

(च) अनुप्रयुक्त या अनुत्पादक कृषि क्षेत्रों में पुनः बनीकरण तथा पर्यावासों और जैव-विविधता की बहाली के प्रयास किए जाएंगे।

(2) **प्राकृतिक जल स्रोत** - आंचलिक महायोजना में सभी प्राकृतिक जल स्रोतों/नदियों/जलमार्गों के आवाह क्षेत्रों की पहचान करके उनके संरक्षण और बहाली की योजना सम्मिलित की जाएगी और राज्य सरकार द्वारा करके इस रीति से बनाए जाएंगे कि उसमें इन क्षेत्रों या इनके आसपास के क्षेत्रों के लिए हानिकारक विकास क्रियाकलापों को प्रतिषिद्ध किया गया हो।

(3) **पर्यटन/पारिस्थितिकी पर्यटन** – (क) पारिस्थितिकी संवेदी जोन में सभी नए पारिस्थितिकी पर्यटन क्रियाकलाप या विद्यमान पर्यटन क्रियाकलापों का विस्तार पारिस्थितिकी संवेदी जोन सम्बंधी पर्यटन महायोजना के अनुसार अनुज्ञात होगा।

(ख) पारिस्थितिकी पर्यटन महायोजना राज्य सरकार के पर्यावरण और वन विभागों के परामर्श से पर्यटन विभाग द्वारा बनायी जाएगी।

(ग) पर्यटन महायोजना आंचलिक महायोजना का घटक होगी।

(घ) पारिस्थितिकी पर्यटन संबंधी क्रियाकलाप निम्नानुसार विनियमित किए जाएंगे, अर्थात्:—

(i) संरक्षित क्षेत्र की सीमा से 1.0 किलोमीटर के भीतर या पारिस्थितिकी संवेदी जोन की सीमा तक, इनमें जो भी अधिक निकट हो, किसी होटल या रिसोर्ट का नया सन्निर्माण अनुज्ञात नहीं किया जाएगा। तथापि, पारिस्थितिकी पर्यटन सुविधाओं के लिए संरक्षित क्षेत्र की सीमा से एक किलोमीटर की दूरी से परे पारिस्थितिकी संवेदी जोन की सीमा तक पूर्व परिभाषित और अभीहित क्षेत्रों में पर्यटन महायोजना के अनुसार, नए होटलों और रिसोर्ट की स्थापना अनुज्ञात होगी।

(ii) पारिस्थितिकी संवेदी जोन के अन्दर सभी नए पर्यटन क्रिया-कलापों या विद्यमान पर्यटन क्रियाकलापों का विस्तार, केन्द्रीय सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय द्वारा जारी दिशानिर्देशों तथा पारिस्थितिकी पर्यटन पर बल देने वाले राष्ट्रीय व्याघ्र संरक्षण प्राधिकरण द्वारा जारी पारिस्थितिकी पर्यटन संबंधी दिशानिर्देशों (समय-समय पर यथा संशोधित) के अनुसार होगा।

(iii) आंचलिक महायोजना का अनुमोदन होने तक, पर्यटन के विकास और विद्यमान पर्यटन क्रियाकलापों के विस्तार को वास्तविक स्थल-विशिष्ट संवीक्षा तथा निगरानी समिति की सिफारिश के आधार पर संबंधित विनियामक प्राधिकरणों द्वारा अनुज्ञात किया जाएगा और पारिस्थितिकी संवेदी जोन में किसी नए होटल/रिसोर्ट या वाणिज्यिक प्रतिष्ठान का सन्निर्माण अनुज्ञात नहीं होगा।

(4) **प्राकृतिक विरासत** - पारिस्थितिकी संवेदी जोन के अंतर्गत आने वाले बहुमूल्य प्राकृतिक विरासत के सभी स्थलों जैसे कि जीन पूल रिजर्व क्षेत्र, शैल संरचना, जल प्रपात, झरने, दर्रे, उपवन, गुफाएं, स्थल, वनपथ, रोहण मार्ग, उत्प्लपात आदि की पहचान की जाएगी और उनकी सुरक्षा एवं संरक्षण के लिए आंचलिक महायोजना के भाग के रूप में एक विरासत संरक्षण योजना बनायी जाएगी।

(5) **मानव निर्मित विरासत स्थल** - पारिस्थितिकी संवेदी जोन में भवनों, संरचनाओं, कलाकृति-क्षेत्रों तथा ऐतिहासिक, स्थापत्य संबंधी, सौंदर्यात्मक और सांस्कृतिक महत्व के क्षेत्रों की पहचान की जाएगी और उनके संरक्षण के लिए आंचलिक महायोजना के भाग के रूप में एक विरासत संरक्षण योजना बनायी जाएगी।

(6) **ध्वनि प्रदूषण**- तमिलनाडु राज्य सरकार का पर्यावरण विभाग या राज्य प्रदूषण नियंत्रण बोर्ड, पर्यावरण (संरक्षण) अधिनियम, 1986 के अधीन बने ध्वनि प्रदूषण (विनियमन और नियंत्रण) नियम, 2000 के उपबंधों के अनुसार पारिस्थितिकी संवेदी जोन में ध्वनि प्रदूषण के नियंत्रण संबंधी विनियमों को लागू करेगा।

(7) **वायु प्रदूषण** -- पारिस्थितिकी संवेदी जोन में वायु प्रदूषण की रोकथाम और नियंत्रण, वायु (प्रदूषण निवारण और नियंत्रण) अधिनियम, 1981 (1981 का 14) के उपबंधों और उसके अधीन बनाए गए नियमों और उनमें किए गए संशोधनों के अनुसार किया जाएगा।

(8) **बहिष्काव का निस्सारण**- पारिस्थितिकी संवेदी जोन में उपचारित बहिष्काव का निस्सारण, पर्यावरण (संरक्षण) अधिनियम, 1986 और उसके अधीन बनाए गए नियमों के अन्तर्गत शामिल किए गए पर्यावरणीय प्रदूषण के निस्सारण संबंधी साधारण मानकों या राज्य सरकार द्वारा नियत मानकों, इनमें जो भी अधिक कठोर हों, के अनुसार किया जाएगा।

(9) **ठोस अपशिष्ट**- ठोस अपशिष्ट का निपटान एवं प्रबंधन निम्नानुसार किया जाएगा:-

(क) पारिस्थितिकी संवेदी जोन में ठोस अपशिष्ट का निपटान और प्रबंधन भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय की समय-समय पर यथा संशोधित अधिसूचना सं. का.आ. 1357(अ), दिनांक 8 अप्रैल, 2016 के तहत प्रकाशित ठोस अपशिष्ट प्रबंधन नियम, 2016 के उपबंधों के अनुसार किया जाएगा। अकार्बनिक पदार्थों का निपटान पारिस्थितिकी संवेदी जोन से बाहर चिन्हित किए गए स्थानों पर पर्यावरण-अनुकूल रीति से किया जाएगा;

(ख) पारिस्थितिकी संवेदी जोन में मान्य प्रौद्योगिकियों का प्रयोग करते हुए विद्यमान नियमों और विनियमों के अनुरूप ठोस अपशिष्ट का सुरक्षित और पर्यावरण-अनुकूल प्रबंधन अनुज्ञात किया जाएगा।

(10) **जैव चिकित्सा अपशिष्ट**- जैव चिकित्सा अपशिष्ट का प्रबंधन निम्नानुसार किया जाएगा:-

(क) पारिस्थितिकी संवेदी जोन में जैव चिकित्सा अपशिष्ट का निपटान भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय की समय-समय पर यथा संशोधित अधिसूचना सं.सा.का.नि 343 (अ), तारीख 28 मार्च, 2016 के तहत प्रकाशित जैव चिकित्सा अपशिष्ट प्रबंधन नियम, 2016 के उपबंधों के अनुसार किया जाएगा।

(ख) पारिस्थितिकी संवेदी जोन में कोई साज्जा उपचार सुविधा या भस्मीकरण अनुज्ञात नहीं किया जाएगा।

(11) **प्लास्टिक अपशिष्ट का प्रबंधन:** - पारिस्थितिकी संवेदी जोन में प्लास्टिक अपशिष्ट का प्रबंधन, भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय की समय-समय पर यथा संशोधित अधिसूचना सं.सा.का.नि 340(अ), तारीख 18 मार्च, 2016 के तहत प्रकाशित प्लास्टिक अपशिष्ट प्रबंधन नियम, 2016 के उपबंधों के अनुसार किया जाएगा।

(12) **निर्माण और विध्वंस अपशिष्ट का प्रबंधन:** - पारिस्थितिकी संवेदी जोन में निर्माण और विध्वंस अपशिष्ट का प्रबंधन, भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय की समय-समय पर यथा संशोधित अधिसूचना सं.सा.का.नि 317(अ), तारीख 29 मार्च, 2016 के तहत प्रकाशित संनिर्माण और विध्वंस अपशिष्ट प्रबंधन नियम, 2016 के उपबंधों के अनुसार किया जाएगा।

(13) **ई-अपशिष्ट:** - पारिस्थितिकी संवेदी जोन में ई-अपशिष्ट का प्रबंधन, भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय द्वारा प्रकाशित तथा समय-समय पर यथा संशोधित ई-अपशिष्ट प्रबंधन नियम, 2016 के उपबंधों के अनुसार किया जाएगा।

(14) **सड़क-यातायात:** - सड़क-यातायात को पर्यावास-अनुकूल तरीके से विनियमित किया जाएगा और इस संबंध में आंचलिक महायोजना में विशेष उपबंध शामिल किए जाएंगे। आंचलिक महायोजना के तैयार होने और राज्य सरकार के सक्षम प्राधिकारी से अनुमोदित होने तक, निगरानी समिति प्रासंगिक अधिनियमों और उनके तहत बनाए गए नियमों एवं विनियमों के अनुसार सड़क-यातायात के अनुपालन की निगरानी करेगी।

(15) **वाहन जनित प्रदूषण:** - वाहन जनित प्रदूषण की रोकथाम और नियंत्रण लागू विधियों के अनुसार किया जाएगा। स्वच्छतर ईंधन जैसे कि सीएनजी, एलपीजी आदि के प्रयोग के प्रयास किए जाएंगे।

(16) **औद्योगिक ईकाइयां:** - (i) सरकारी राजपत्र में इस अधिसूचना के प्रकाशन की तारीख को या उसके बाद पारिस्थितिकी संवेदी जोन में किसी नए प्रदूषणकारी उद्योग की स्थापना अनुज्ञात नहीं होगी।

(ii) जब तक इस अधिसूचना में विनिर्दिष्ट न हो, पारिस्थितिकी संवेदी जोन में केंद्रीय प्रदूषण नियंत्रण बोर्ड द्वारा फरवरी, 2016 में जारी दिशानिर्देशों में किए गए उद्योगों के वर्गीकरण के अनुसार केवल गैर-प्रदूषणकारी उद्योगों की स्थापना अनुज्ञात होगी। इसके अतिरिक्त, गैर-प्रदूषणकारी कुटीर उद्योगों को बढ़ावा दिया जाएगा।

(17) **पहाड़ी ढलानों का संरक्षण:** - पहाड़ी ढलानों का संरक्षण निम्नानुसार किया जाएगा:

(क) आंचलिक महायोजना में पहाड़ी ढलानों के उन क्षेत्रों को दर्शाया जाएगा जिनमें किसी भी संनिर्माण की अनुज्ञा नहीं होगी।

(ख) जिन ढलानों या विद्यमान खड़ी पहाड़ी ढलानों में अत्यधिक भू-क्षरण होता है उनमें किसी भी संनिर्माण की अनुज्ञा नहीं होगी।

(18) केन्द्र सरकार और राज्य सरकार, यदि आवश्यक समझें तो, इस अधिसूचना के उपबंधों को प्रभावी बनाने के लिए, अन्य उपाय विनिर्दिष्ट करेंगी।

4. पारिस्थितिकी संवेदी जोन में प्रतिषिद्ध या विनियमित किए जाने वाले क्रियाकलापों की सूची—पारिस्थितिकी संवेदी जोन में सभी क्रियाकलाप, पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) के उपबंधों और तटीय विनियमन जोन (सीआरजेड) अधिसूचना, 2011 एवं पर्यावरणीय प्रभाव आकलन (ईआईए) अधिसूचना, 2006 सहित उसके अधीन बने नियमों और वन (संरक्षण) अधिनियम, 1980 (1980 का 69), भारतीय वन अधिनियम, 1927 (1927 का 16), वन्यजीव (संरक्षण) अधिनियम, 1972 (1972 का 53) सहित अन्य लागू नियमों तथा उनमें किए गए संशोधनों के अनुसार शासित होंगे और नीचे दी गई सारणी में विनिर्दिष्ट रीति से विनियमित होंगे,

सारणी

क्रम सं.	क्रियाकलाप	टिप्पणी
क. प्रतिषिद्ध क्रियाकलाप		

1.	वाणिज्यिक खनन।	(क) स्थानीय निवासियों की वास्तविक धरलु आवश्यकताओं की पूर्ति के लिए किए जाने वाले क्रियाकलापों, जिनमें घरों के निर्माण या मरम्मत और मकान बनाने एवं अन्य क्रियाकलापों के लिए देशी टाइलें या ईंटें बनाने हेतु जमीन की खुदाई शामिल है, को छोड़कर सभी नई और वर्तमान (लघु एवं बृहद खनिज) पत्थर खोदने एवं तोड़ने वाली ईकाइयां तत्काल प्रभाव से निषिद्ध की जाती हैं; (ख) खनन क्रियाकलाप, टी.एन. गोदावर्मन विरूमलपाद बनाम भारत संघ के मामले में वर्ष 1995 की रिट याचिका (सिविल) सं 202 में दिनांक 4 अगस्त, 2006 तथा गोवा फाउंडेशन बनाम भारत संघ के मामले में वर्ष 2012 की रिट याचिका(सिविल) सं 435 में दिनांक 21 अप्रैल, 2014 के माननीय उच्चतम न्यायालय के आदेश के अनुसार किए जाएंगे।
2.	प्रदूषण (जल, वायु, मृदा, ध्वनि आदि) उत्पन्न करने वाले उद्योगों की स्थापना।	पारिस्थितिकी संवेदी जोन में कोई नया उद्योग लगाने और वर्तमान प्रदूषणकारी उद्योगों का विस्तार करने की अनुज्ञा नहीं होगी। जब तक कि इस अधिसूचना में विनिर्दिष्ट न हो, पारिस्थितिकी संवेदी जोन में फरवरी, 2016 में केंद्रीय प्रदूषण नियंत्रण बोर्ड द्वारा जारी दिशानिर्देशों में किए गए उद्योगों के वर्गीकरण के अनुसार केवल गैर-प्रदूषणकारी उद्योगों की स्थापना होगी। इसके अतिरिक्त, गैर-प्रदूषणकारी कुटीर उद्योगों को प्रोत्साहन दिया जाएगा।
3.	बड़ी ताप एवं जल विद्युत परियोजनाओं की स्थापना।	लागू विधियों के अनुसार प्रतिषिद्ध (अन्यथा उपबंधित के सिवाय) होंगे।
4.	किसी परिसंकटमय पदार्थ का प्रयोग या उत्पादन या प्रसंस्करण।	लागू विधियों के अनुसार प्रतिषिद्ध (अन्यथा उपबंधित के सिवाय) होंगे।
5.	प्राकृतिक जल निकायों या भूमि क्षेत्र में अनुपचारित बहिःस्रावों का निस्सारण।	लागू विधियों के अनुसार प्रतिषिद्ध (अन्यथा उपबंधित के सिवाय) होंगे।
6.	नई आरा मिलों की स्थापना।	पारिस्थितिकी संवेदी जोन में नई आरा मिलों की स्थापना और विद्यमान आरा मिलों का विस्तार अनुज्ञात नहीं होगा।
7.	ईंट भट्टों की स्थापना।	लागू विधियों के अनुसार प्रतिषिद्ध (अन्यथा उपबंधित के सिवाय) होंगे।

ख. विनियमित क्रियाकलाप

8.	होटलों और रिसोर्टों की वाणिज्यिक स्थापना।	पारिस्थितिकी पर्यटन क्रियाकलापों हेतु लघु अस्थायी संरचनाओं के निर्माण को छोड़कर संरक्षित क्षेत्र की सीमा से 1.0 किलोमीटर के भीतर या पारिस्थितिकी संवेदी जोन की सीमा तक, इनमें जो भी अधिक निकट हो, नए वाणिज्यिक होटलों और रिसोर्टों की स्थापना अनुज्ञात नहीं होगी। परंतु, संरक्षित क्षेत्र की सीमा से 1.0 किलोमीटर के बाहर या पारिस्थितिकी संवेदी जोन की सीमा तक, इनमें जो भी अधिक निकट हो, सभी नए पर्यटन क्रियाकलाप करने या विद्यमान क्रियाकलापों का विस्तार पर्यटन महायोजना और लागू दिशानिर्देशों के अनुसार अनुज्ञात होगी।
9.	संनिर्माण क्रियाकलाप।	(क) संरक्षित क्षेत्र की सीमा से 1.0 किलोमीटर के भीतर या पारिस्थितिकी संवेदी जोन की सीमा तक, इनमें जो भी अधिक निकट हो, किसी भी नए वाणिज्यिक संनिर्माण की अनुज्ञा नहीं होगी। (ख) परंतु स्थानीय लोगों को अपनी आवास सम्बन्धी निम्नलिखित आवश्यकताओं को पूरा करने के लिए, पैरा 6 के उप पैरा (1) में सूचीबद्ध क्रियाकलापों सहित अपने प्रयोग के लिए, अपनी भूमि में भवन उप विधियों के अनुसार, संनिर्माण करने की अनुज्ञा होगी :- (i) विद्यमान सड़कों को चौड़ा करना, उन्हें सुदृढ़ करना और नई सड़कों का संनिर्माण करना; (ii) बुनियादी ढांचों और नागरिक सुविधाओं का संनिर्माण और नवीकरण

		करना; (iii) फरवरी, 2016 में केंद्रीय प्रदूषण नियंत्रण बोर्ड द्वारा किए गए वर्गीकरण के अनुसार गैर-प्रदूषणकारी लघु उद्योगों की स्थापना; (iv) ग्रामीण उद्योगों सहित कुटीर उद्योगों, सुविधा भण्डारों और ग्रह-वास सहित पारिस्थितिकी पर्यटन में सहायक स्थानीय सुविधाओं की व्यवस्था; और (v) इस अधिसूचना में सूचीबद्ध बढ़ावा दिए गए क्रियाकलाप। (ग) परन्तु गैर-प्रदूषणकारी लघु उद्योगों से संबंधित संनिर्माण क्रियाकलाप लागू नियमों और विनियमों, यदि कोई हों, के अनुसार सक्षम प्राधिकारी की पूर्व अनुमति से विनियमित किए जाएंगे और वे न्यूनतम होंगे। (घ) 1.0 किलोमीटर से आगे ये आंचलिक महायोजना के अनुसार विनियमित होंगे।
10.	गैर प्रदूषणकारी लघु उद्योग।	फरवरी, 2016 में केंद्रीय प्रदूषण नियंत्रण बोर्ड द्वारा जारी उद्योगों के वर्गीकरण के अनुसार गैर-प्रदूषणकारी उद्योग तथा अपरिसंकटमय लघु और सेवा उद्योग, कृषि, पुष्प कृषि, बागवानी या कृषि आधारित उद्योग, जो पारिस्थितिकी संवेदी जोन से देशी सामग्रियों से उत्पाद बनाते हैं, सक्षम प्राधिकारी द्वारा अनुज्ञात होंगे।
11.	वृक्षों की कटाई।	(क) राज्य सरकार के सक्षम प्राधिकारी की पूर्व अनुमति के बिना वन भूमि या सरकार भूमि या राजस्व भूमि या निजी भूमि पर वृक्षों की कटाई की अनुज्ञा नहीं होगी। (ख) वृक्षों की कटाई केंद्रीय या संबंधित राज्य के अधिनियमों और उनके अधीन बनाए गए नियमों के उपबंधों के अनुसार विनियमित होगी।
12.	वन उत्पादों और गैर काष्ठ वन उत्पादों (एनटीएफपी) का संग्रह।	लागू विधियों के अधीन विनियमित होगा।
13.	विद्युत और संचार टाँवर लगाने, तार-विद्युत तथा अन्य बुनियादी ढांचे की व्यवस्था।	लागू विधियों के अधीन विनियमित होगा। भूमिगत केबल विद्युत को बढ़ावा दिया जाएगा।
14.	ठोस अपशिष्ट प्रबंधन।	लागू विधियों के अधीन विनियमित होगा।
15.	फर्मों, कारपोरेट, कंपनियों द्वारा बड़े पैमाने पर वाणिज्यिक पशुधन संपदा और कुक्कुट फार्मों की स्थापना।	लागू विधियों के अधीन विनियमित होंगे।
16.	नागरिक सुविधाओं सहित बुनियादी ढांचे की व्यवस्था।	यह व्यवस्था लागू विधियों, नियमों, विनियमों और मौजूदा दिशानिर्देशों के अनुसार उपशमन उपायों के साथ की जाएगी।
17.	विद्यमान सड़कों को चौड़ा करना, उन्हें सुदृढ़ बनाना और नई सड़कों का निर्माण करना।	ये कार्य लागू विधियों, नियमों, विनियमों और मौजूदा दिशानिर्देशों के अनुसार उपशमन उपायों के साथ किये जाएंगे।
18.	पर्यटन से संबंधित अन्य क्रियाकलाप जैसे कि पारिस्थितिकी संवेदी जोन क्षेत्र के ऊपर से गर्म वायु के गुब्बारे, हेलीकॉप्टर, ड्रोन, माइक्रोलाइट्स उड़ाना आदि।	लागू विधियों के अधीन विनियमित होगा।
19.	पर्वतीय ढलानों और नदी तटों का संरक्षण।	लागू विधियों के अधीन विनियमित होगा।
20.	रात्रि में सड़क यातायात का संचलन।	लागू विधियों के अधीन वाणिज्यिक प्रयोजन के लिए विनियमित होगा।
21.	स्थानीय जनता द्वारा अपनायी जा रही वर्तमान कृषि और बागवानी पद्धतियों के साथ डेयरियां, दुग्ध उत्पादन, जल	स्थानीय जनता के प्रयोग के लिए लागू विधियों के अधीन अनुज्ञात होंगे।

	कृषि और मत्स्य पालन।	
22.	प्राकृतिक जल निकायों या भू क्षेत्र में उपचारित अपशिष्ट जल/बहिर्वाह का निस्सारण।	जल निकायों में उपचारित अपशिष्ट जल/बहिर्वाह के निस्सारण से बचा जाएगा। उपचारित अपशिष्ट जल के पुनर्चक्रण और पुनः उपयोग के प्रयास किए जाएंगे अन्यथा उपचारित अपशिष्ट जल/बहिर्वाह का निस्सारण लागू विधियों के अनुसार विनियमित किया जाएगा।
23.	सतही और भूजल का वाणिज्यिक प्रयोग एवं निष्कर्षण।	लागू विधियों के अधीन विनियमित होगा।
24.	कृषि या अन्य उपयोग के लिए खुले कुएं/बोर कुएं आदि का निर्माण।	समुचित प्राधिकारी द्वारा विनियमित किया जाएगा तथा क्रियाकलाप की सख्त निगरानी की जाएगी।
25.	विदेशी प्रजातियों को लाना।	लागू विधियों के अधीन विनियमित होगा।
26.	पारिस्थितिकी पर्यटन।	लागू विधियों के अधीन विनियमित होगा।
27.	पोलियीन बैगों का प्रयोग।	लागू विधियों के अधीन विनियमित होगा।
28.	वाणिज्यिक संकेत बोर्ड और होर्डिंग का प्रयोग।	लागू विधियों के अधीन विनियमित होगा।
ग. संवर्धित क्रियाकलाप		
29.	वर्षा जल संचय।	सक्रिय रूप से बढ़ावा दिया जाएगा।
30.	जैविक खेती।	सक्रिय रूप से बढ़ावा दिया जाएगा।
31.	सभी गतिविधियों के लिए हरित प्रौद्योगिकी का अंगीकरण।	सक्रिय रूप से बढ़ावा दिया जाएगा।
32.	ग्रामीण कारीगरी सहित कुटीर उद्योग।	सक्रिय रूप से बढ़ावा दिया जाएगा।
33.	नवीकरणीय ऊर्जा और ईंधन का प्रयोग।	बायोगैस, सौर प्रकाश इत्यादि को सक्रिय बढ़ावा दिया जाएगा।
34.	कृषि वानिकी।	सक्रिय रूप से बढ़ावा दिया जाएगा।
35.	पारिस्थितिकी अनुकूल यातायात का प्रयोग।	सक्रिय रूप से बढ़ावा दिया जाएगा।
36.	कौशल विकास।	सक्रिय रूप से बढ़ावा दिया जाएगा।
37.	अवक्रमित भूमि/बनों/ पर्यावासों की बहाली।	सक्रिय रूप से बढ़ावा दिया जाएगा।
38.	पर्यावरण के प्रति जागरूकता।	सक्रिय रूप से बढ़ावा दिया जाएगा।

5. निगरानी समिति—केंद्रीय सरकार, पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 3 की उपधारा (3) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, पारिस्थितिकी संवेदी जोन की प्रभावी निगरानी के लिए निम्नलिखित को शामिल करके एक निगरानी समिति गठित करती है:—

1.	जिला कलेक्टर, अरियालूर	-अध्यक्ष;
2.	राजस्व संभाग अधिकारी, अरियालूर	-सदस्य;
3.	राज्य सरकार द्वारा मनोनीत वन्यजीव संरक्षण के क्षेत्र में काम कर रहे गैर-सरकारी संगठन का एक प्रतिनिधि	-सदस्य;
4.	राज्य सरकार द्वारा नामित किया जाने वाला एक जैवविविधता विशेषज्ञ	-सदस्य;
5.	राज्य सरकार द्वारा नामित किया जाने वाला एक पारिस्थितिकी और पर्यावरण विशेषज्ञ	-सदस्य;
6.	राज्य लोक निर्माण विभाग का एक प्रतिनिधि	-सदस्य;
7.	राज्य प्रदूषण नियंत्रण बोर्ड का एक प्रतिनिधि	-सदस्य;

8.	जिला वन अधिकारी, अरियालूर	-सदस्य सचिव
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6. विचारार्थ विषय:-

- (1) निगरानी समिति इस अधिसूचना के उपबंधों के अनुपालन की निगरानी करेगी।
- (2) निगरानी समिति का कार्यकाल तीन वर्ष तक या राज्य सरकार द्वारा नई समिति का पुनर्गठन किए जाने तक होगा और इसके बाद निगरानी समिति राज्य सरकार द्वारा गठित की जाएगी।
- (3) पारिस्थितिकी संवेदी जोन के अंतर्गत आने वाले और भारत सरकार के तत्कालीन पर्यावरण और वन मंत्रालय की अधिसूचना सं. का.आ. 1533(अ) तारीख 14 सितंबर, 2006 की अनुसूची में शामिल क्रियाकलापों इस अधिसूचना के पैरा 4 के अधीन सारणी में यथा विनिर्दिष्ट प्रतिषिद्ध क्रियाकलापों को छोड़कर वास्तविक विनिर्दिष्ट स्थलीय दशाओं के आधार पर निगरानी समिति द्वारा संवीक्षा की जाएगी और उन्हें उक्त अधिसूचना के उपबंधों के अधीन पूर्व पर्यावरण अनापत्ति के लिए केन्द्रीय सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय को भेजा जाएगा।
- (4) इस अधिसूचना के पैरा 4 के अधीन सारणी में यथा विनिर्दिष्ट प्रतिषिद्ध क्रियाकलापों को छोड़कर, भारत सरकार के तत्कालीन पर्यावरण और वन मंत्रालय की अधिसूचना संख्या का.आ. 1533(अ) तारीख 14 सितंबर, 2006 की अनुसूची में शामिल न किए गए परंतु पारिस्थितिकी संवेदी जोन के अंतर्गत आने वाले क्रियाकलापों की वास्तविक स्थल-विशिष्ट दशाओं के आधार पर निगरानी समिति द्वारा संवीक्षा की जाएगी और उन्हें संबंधित विनियामक प्राधिकरणों को भेजा जाएगा।
- (5) निगरानी समिति का सदस्य-सचिव या संबंधित उपायुक्त ऐसे व्यक्ति के विरुद्ध, जो इस अधिसूचना के किसी उपबंध का उल्लंघन करता है, पर्यावरण (संरक्षण) अधिनियम, 1986 की धारा 19 के अधीन शिकायत दर्ज करने के लिए सक्षम होगा।
- (6) निगरानी समिति संबंधित विभागों के प्रतिनिधियों या विशेषज्ञों, औद्योगिक संघों के प्रतिनिधियों या संबंधित पक्षों को, प्रत्येक मामले में आवश्यकता के अनुसार, अपने विचार-विमर्श में सहायता के लिए आमंत्रित कर सकेगी।
- (7) निगरानी समिति प्रत्येक वर्ष 31 मार्च की स्थिति के अनुसार अपनी वार्षिक कार्रवाई रिपोर्ट राज्य के मुख्य वन्यजीव बोर्डन को, **उपाबंध V** में दिए गए प्रपत्र के अनुसार, उस वर्ष की 30 जून तक प्रस्तुत करेगी।
- (8) केन्द्रीय सरकार का पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय निगरानी समिति को उसके कृत्यों के प्रभावी निर्वहन के लिए ऐसे निदेश दे सकेगा जो वह उचित समझे।
7. इस अधिसूचना के उपबंधों को प्रभावी बनाने के लिए केन्द्रीय सरकार और राज्य सरकार, अतिरिक्त उपाय, यदि कोई हों, विनिर्दिष्ट कर सकेंगी।
8. इस अधिसूचना के उपबंध भारत के माननीय उच्चतम न्यायालय या उच्च न्यायालय या राष्ट्रीय हरित अधिकरण द्वारा पारित किए गए या पारित किए जाने वाले आदेश, यदि कोई हो, के अध्वधीन होंगे।

[फा. सं. 25/07/2018-ईएमजेड]

ललित कपूर, वैज्ञानिक 'जी'

उपाबंध

संरक्षित क्षेत्र के पारिस्थितिकी संवेदी जोन की सीमा का वर्णन

उत्तर	:	सीमा स्टेशन सं.19 से आरंभ होकर स्टेशन सं.20 से होते हुए अयनसूथामल्ली ग्राम के पूर्वी भाग की ओर जाती है।
उत्तर पूर्व	:	सीमा स्टेशन सं.20 और स्टेशन सं.20 से आरंभ होती है और अयनसूथामल्ली ग्राम की ओर जाती है।
पूर्व	:	सीमा स्टेशन सं.21 से आरंभ होकर और स्टेशन सं.1, 2, 3, 4, 5 से होते हुए कराईवेत्ती ग्राम की ओर जाती है।

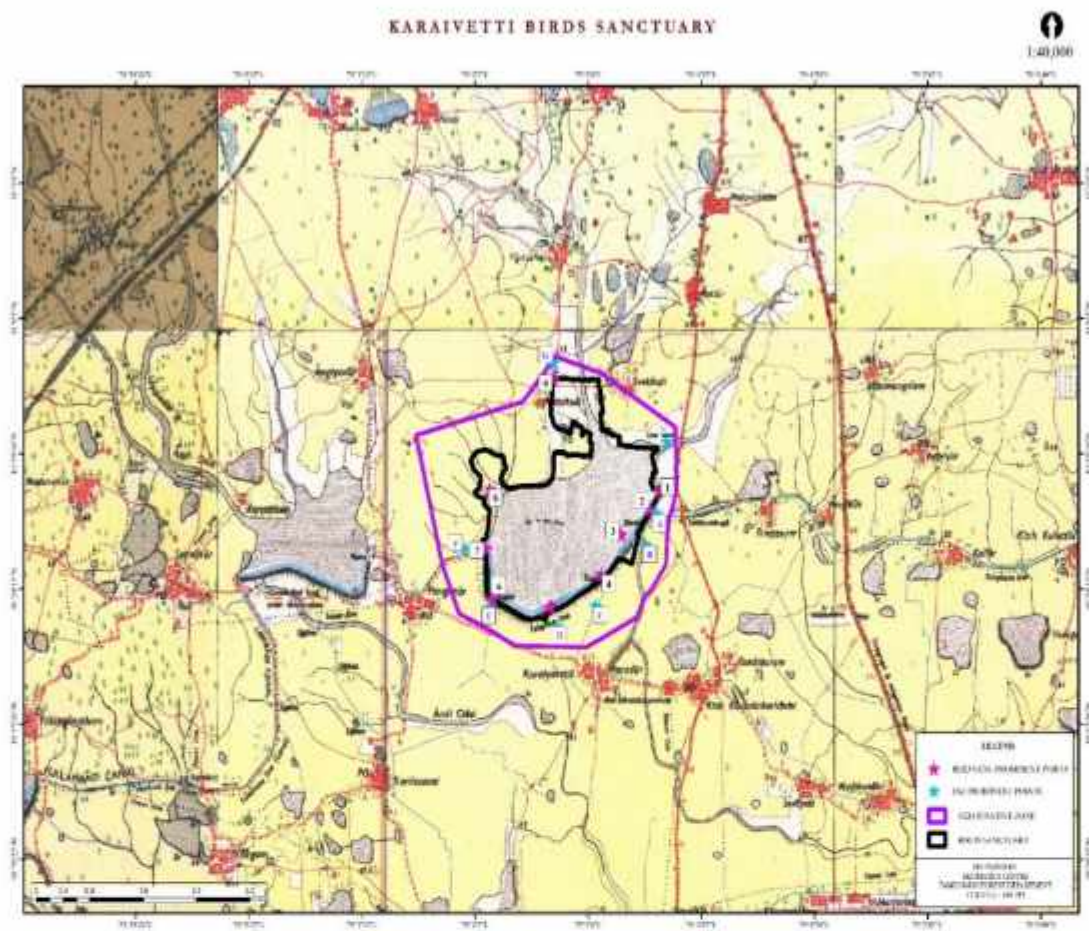
दक्षिण पूर्व	:	अतः सीमा स्टेशन सं. 6 से स्टेशन सं. 12 तक कराईवेत्ती ग्राम की ओर जाती है।
दक्षिण	:	अतः सीमा स्टेशन सं. 12 से आरंभ होकर स्टेशन सं. 14 तक वेंगनूर ग्राम से होते हुए जाती है।
दक्षिण पश्चिम	:	सीमा स्टेशन सं. 15 से सन्नाबूर उत्तर ग्राम की ओर स्टेशन सं. 17 तक जाती है।
पश्चिम	:	सीमा स्टेशन सं. 17 से सन्नाबूर उत्तर ग्रामों की ओर स्टेशन सं. 18 तक जाती है।
उत्तर पश्चिम	:	सीमा स्टेशन सं. 18 से आरंभ होती है और अयनसूथामल्ली ग्राम से होते हुए स्टेशन सं. 19 पर समाप्त होती है।

उपाबंध- IIक**कराईवेत्ती पक्षी अभयारण्य के पारिस्थितिकी संवेदी जोन का गूगल मानचित्र**

उपाबंध- ख**कराईवेल्ली पक्षी अभयारण्य के पारिस्थितिकी संवेदी जोन का मूल मानचित्र**

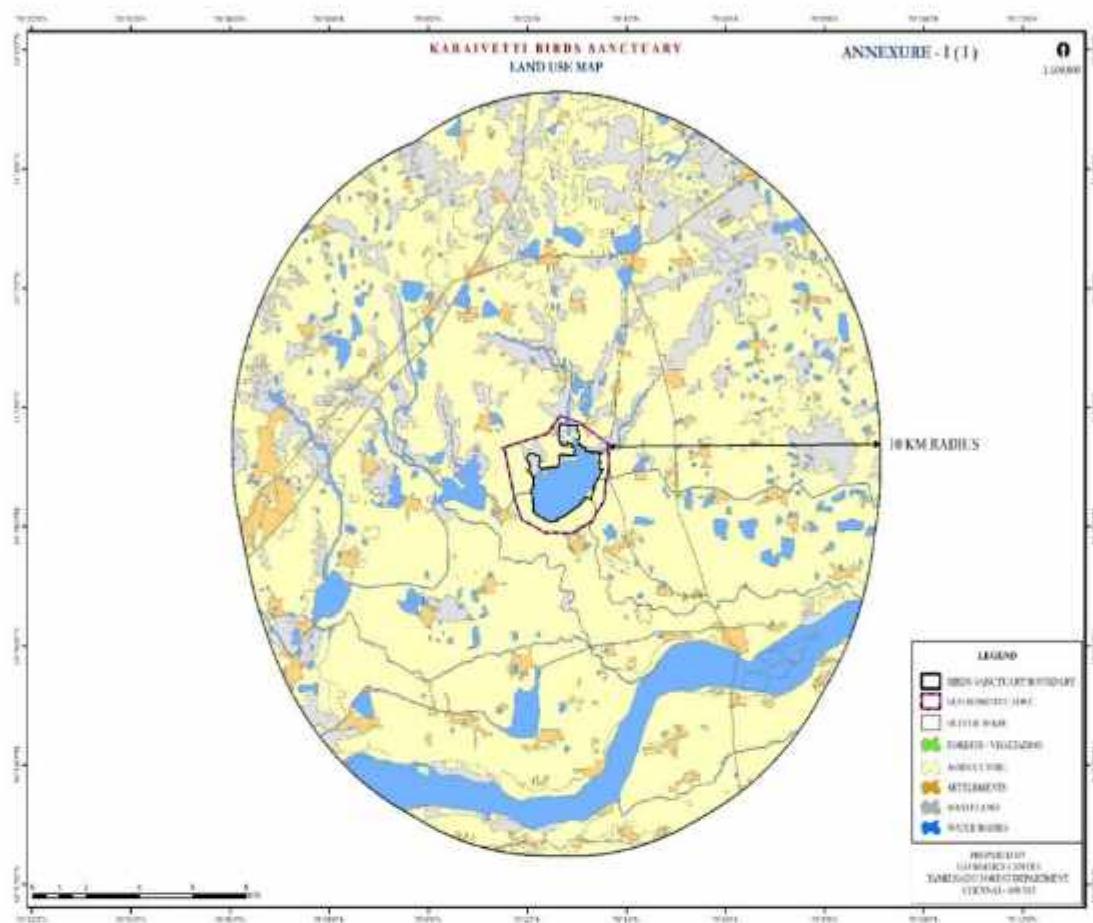
उपाबंध- ग

भारतीय सर्वेक्षण (एस ओ आई) की टोपोशीट पर कराईवेल्टी पक्षी अभयारण्य के पारिस्थितिकी संवेदी का मानचित्र



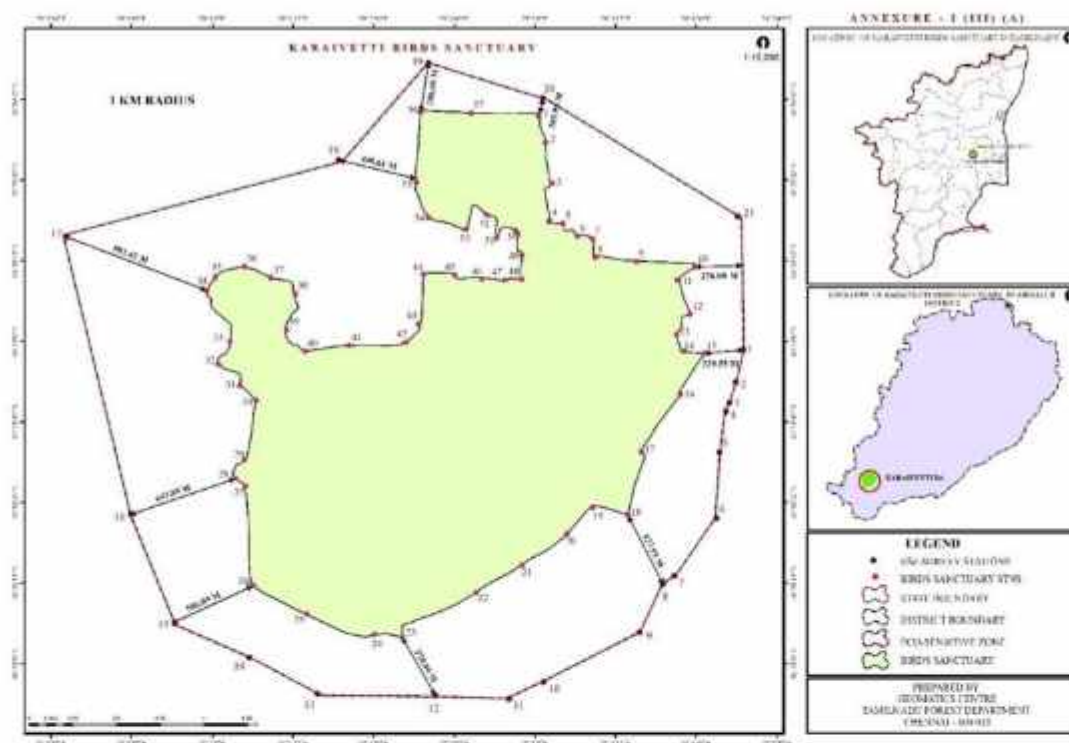
उपाबंध- घ

10 किलोमीटर बफर क्षेत्र के साथ कराईवेत्ती पक्षी अभयारण्य के पारिस्थितिकी संवेदी जोन का भू-उपयोग मानचित्र



उपाबंध- ड.

प्रमुख अवस्थानों के अक्षांश और देशांतर के साथ कराईवेली पक्षी अभयारण्य के पारिस्थितिकी संवेदी जोन का मानचित्र



उपाबंध-

सारणी क: कराईवेली पक्षी अभयारण्य, तमिलनाडु के प्रमुख स्थानों के अक्षांश-देशांतर

क्र.सं	प्रमुख बिंदुओं की पहचान	प्रमुख बिंदु की अवस्थिति/ दिशा	अक्षांश (उ) डीएमएस प्रारूप	देशांतर (पू) डीएमएस प्रारूप
1.	1	उ	10°59'42"	79°3'1"
2.	2	उ पू	10°59'37"	79°3'2"
3.	3	उ पू	10°59'29"	79°3'3"
4.	4	उ पू	10°59'23"	79°3'3"
5.	5	उ पू	10°59'22"	79°3'5"
6.	6	उ पू	10°59'20"	79°3'8"
7.	7	उ पू	10°59'19"	79°3'11"
8.	8	उ पू	10°59'16"	79°3'11"
9.	9	उ पू	10°59'15"	79°3'19"
10.	10	उ पू	10°59'15"	79°3'30"
11.	11	उ पू	10°59'11"	79°3'27"
12.	12	उ पू	10°59'5"	79°3'29"

13	13	उ पू	10°59'1"	79°3'26"
14	14	पू	10°58'58"	79°3'28"
15	15	पू	10°58'57"	79°3'31"
16	16	पू	10°58'50"	79°3'27"
17	17	द पू	10°58'39"	79°3'20"
18	18	द पू	10°58'29"	79°3'17"
19	19	द पू	10°58'29"	79°3'11"
20	20	द पू	10°58'24"	79°3'6"
21	21	द पू	10°58'18"	79°2'57"
22	22	द	10°58'13"	79°2'49"
23	23	द प	10°58'7"	79°2'36"
24	24	द प	10°58'6"	79°2'30"
25	25	द प	10°58'9"	79°2'18"
26	26	द प	10°58'15"	79°2'7"
27	27	द प	10°58'33"	79°2'6"
28	28	द प	10°58'35"	79°2'3"
29	29	द प	10°58'38"	79°2'6"
30	30	द प	10°58'49"	79°2'8"
31	31	प	10°58'52"	79°2'5"
32	32	प	10°58'56"	79°2'1"
33	33	प	10°58'60"	79°2'3"
34	34	उ प	10°59'6"	79°2'0"
35	35	उ प	10°59'12"	79°2'1"
36	36	उ प	10°59'14"	79°2'6"
37	37	उ प	10°59'12"	79°2'11"
38	38	उ प	10°59'9"	79°2'15"
39	39	उ प	10°59'2"	79°2'14"
40	40	उ प	10°58'58"	79°2'17"
41	41	उ प	10°58'59"	79°2'25"
42	42	उ प	10°58'60"	79°2'36"
43	43	उ प	10°59'3"	79°2'38"
44	44	उ प	10°59'12"	79°2'39"
45	45	उ प	10°59'12"	79°2'45"
46	46	उ प	10°59'12"	79°2'50"
47	47	उ प	10°59'11"	79°2'54"
48	48	उ प	10°59'12"	79°2'57"

49	49	उ प	10°59'16"	79°2'57"
50	50	उ प	10°59'20"	79°2'56"
51	51	उ प	10°59'19"	79°2'53"
52	52	उ प	10°59'24"	79°2'51"
53	53	उ प	10°59'21"	79°2'47"
54	54	उ प	10°59'23"	79°2'40"
55	55	उ प	10°59'30"	79°2'38"
56	56	उ	10°59'43"	79°2'39"
57	57	उ	10°59'42"	79°2'48"

सारणी ख: पारिस्थितिकी संवेदी जोन के प्रमुख स्थानों के अक्षांश-देशांतर

क्र.सं.	प्रमुख बिंदुओं की पहचान	प्रमुख बिंदु के अवस्थिति/दिशा	अक्षांश (उ) डीएमएस प्रारूप	देशांतर (पू) डीएमएस प्रारूप
1.	1	पू	10°58'59"	79°3'38"
2.	2	पू	10°58'53"	79°3'37"
3.	3	पू	10°58'49"	79°3'35"
4.	4	द पू	10°58'48"	79°3'35"
5.	5	द पू	10°58'39"	79°3'34"
6.	6	द पू	10°58'27"	79°3'33"
7.	7	द पू	10°58'17"	79°3'26"
8.	8	द पू	10°58'15"	79°3'23"
9.	9	द पू	10°58'6"	79°3'19"
10.	10	द पू	10°57'57"	79°3'1"
11.	11	द	10°57'54"	79°2'54"
12.	12	द	10°57'54"	79°2'41"
13.	13	द	10°57'54"	79°2'20"
14.	14	द प	10°58'1"	79°2'7"
15.	15	द प	10°58'8"	79°1'52"
16.	16	द प	10°58'28"	79°1'44"
17.	17	उ प	10°59'20"	79°1'32"
18.	18	उ प	10°59'34"	79°2'24"
19.	19	उ	10°59'52"	79°2'39"
20.	20	उ	10°59'45"	79°3'2"
21.	21	उ पू	10°59'23"	79°3'38"

उपाबंध-IV

भू-निर्देशांकों के साथ कराईवेत्ती पक्षी अभयारण्य के पारिस्थितिकी संवेदी जोन के अंतर्गत आने वाले ग्राम क्षेत्र की सूची

क्र.सं.	ग्राम का नाम	ग्राम के प्रकार	तालुक	जिला	अक्षांश (उ) (डीएमएस प्रारूप)	देशांतर (पू) (डीएमएस प्रारूप)
1.	अयनसूथमल्ली	राजस्व ग्राम	अरियालूर	अरियालूर	10°59'45"	79°3'2"
2.	केराईवेत्ती	राजस्व ग्राम	अरियालूर	अरियालूर	10°57'54"	79°2'41"
3.	बेंगनोर	राजस्व ग्राम	अरियालूर	अरियालूर	10°58'8"	79°1'52"
4.	सन्नपुर उत्तर	राजस्व ग्राम	अरियालूर	अरियालूर	10°59'20"	79°1'32"

उपाबंध-V

पारिस्थितिकी संवेदी जोन की निगरानी समिति-की गई कार्रवाई सम्बन्धी रिपोर्ट का प्रपत्र

1. बैठकों की संख्या और तारीख ।
2. बैठकों का कार्यवृत्त : कृपया मुख्य उल्लेखनीय बिंदुओं का वर्णन करें । बैठक के कार्यवृत्त को एक पृथक उपाबंध में प्रस्तुत करें ।
3. पर्यटन महायोजना सहित आंचलिक महायोजना की तैयारी की स्थिति ।
4. भू-अभिलेखों की स्पष्ट त्रुटियों के सुधार के लिए निबटारा गए मामलों का सार। विवरण उपाबंध के रूप में संलग्न करें।
5. पर्यावरण प्रभाव मूल्यांकन अधिसूचना, 2006 के अधीन आने वाली गतिविधियों से संबंधित संवीक्षा किए गए मामलों का सार । विवरण एक पृथक उपाबंध के रूप में संलग्न करें ।
6. पर्यावरण प्रभाव मूल्यांकन अधिसूचना, 2006 के अधीन न आने वाली गतिविधियों से संबंधित संवीक्षा किए गए मामलों का सार । विवरण एक पृथक उपाबंध के रूप में संलग्न करें ।
7. पर्यावरण (संरक्षण) अधिनियम, 1986 की धारा 19 के अधीन दर्ज की गई शिकायतों का सार ।
8. कोई अन्य महत्वपूर्ण मामला ।

New Delhi, the 24th May, 2018

—The following draft of the notification, which the Central Government proposes to issue in exercise of the powers conferred by sub-section (1), read with clause (v) and clause (xiv) of sub-section (2) and sub-section (3) of Section 3 of the Environment (Protection) Act, 1986 (29 of 1986) is hereby published, as required under sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, for the information of the public likely to be affected thereby; and notice is hereby given that the said draft notification shall be taken into consideration on or after the expiry of a period of sixty days from the date on which copies of the Gazette containing this notification are made available to the Public;

Any person interested in making any objections or suggestions on the proposals contained in the draft notification may forward the same in writing, for consideration of the Central Government within the period so specified to the Secretary, Ministry of Environment, Forest and Climate Change, Indira ParyavaranBhawan, Jorbagh Road, Aliganj, New Delhi-110 003, or send it to the e-mail address of the Ministry at: esz-mef@nic.in

, the Karaivetti Bird Sanctuary is located in Ariyalur District, Ariyalur taluk (about 20 kms from Ariyalur Town) of Tamil Nadu, between 79° 2' 6.56" E and 79° 3' 26.2" E longitude and 10° 58' 12.19" N and 10° 58' 50" N latitude, encompassing an area of 4.53715 square kilometres. The sanctuary is surrounded by KilaKavattankuruchi, Karaivetti, Kovilessanai east, Suttamalli, Sathamangalam, Venganur and Vettiur Revenue villages.

,the sanctuary is one of the most important fresh water feeding ground for migratory water birds in the State of Tamil Nadu. The sanctuary stakes a claim of 188 recorded species of birds including 82 water birds. At any instance at least 45 bird species can be spotted offering a choice location for ornithologists and researchers besides bird watching enthusiasts. About 50,000 to 60,000 birds frequent this bird sanctuary annually. The bird species viz., Open billed stork, White Ibis, Black Ibis, Darter, Spot billed pelican, Cormorant and many other species breed in this sanctuary.

the sanctuary is visited by an endangered species viz. Bar headed goose, the highest-flying bird in the world reported to be flying over the Mt.Everest having its breeding ground in Ladakh and Tibet. This species (also known for carrying H1N1 bird flu virus) arrive during end of February and remain until the month of May before flying back to its breeding ground.

as the sanctuary is basically an irrigation tank, there is no natural forest within the sanctuary. (plantations were raised by the Social Forestry wing of the Forest Department from 1981 to 1988 on the western foreshores of the tank. The Acacia trees are being used for roosting and nesting by birds like open bill stork, White Ibis, etc.

the sanctuary has good diversity of flora and fauna. The important birds found in the sanctuary are little grebe (Grey Pelican (little cormorant (Great cormorant (Darter Little egret Grey heron Purple heron The mammals present in the sanctuary are Indian Grey Mongoose (Indian Palm Squirrel (The land birds recorded in the sanctuary include Oriental Honey-Buzzard (Black-shouldered Kite Barhminy Kite Barhminy,Kite (Western Marsh-Harrier (), Shikra (Osprey and Common Kestrel Variety of species such as butterflies, insects and reptiles are present in the sanctuary e.g. House Gecko (Indian Gecko (Garden lizard (Common Indian Skink (Olive keelback (and Checkeredkeelback (The endangered and threatened species found in the sanctuary are Little Grebe (Little Cormorant (Great Cormorant (Purple Heron (Green Heron (Spot-billed Pelican (Painted Stork ().

, in exercise of the power conferred by sub-section(1) and clauses (v) and (xiv) of sub-section (2) and sub-section (3) of section 3 of the Environment (Protection) Act 1986 (29 of 1986) read with sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby notifies an area with an extent varying from around the boundary of Karaivetti Bird Sanctuary in the State of Tamil Nadu as the Karaivetti Bird Sanctuary Eco-sensitive Zone (herein after referred to as the Eco-sensitive Zone) details of which are as under, namely:-

- (1) The extent of Eco-sensitive Zone varies from around the Karaivetti Bird Sanctuary. The area of the Eco-Sensitive Zone is
- (2) The boundary description of the Eco Sensitive Zone is appended at
- (3) The map of the Protected Area demarcating the Eco-sensitive Zone boundary is at
- (4) List of geo co-ordinates of the boundary of the Protected Area and the Eco-Sensitive Zone is at respectively.
- (5) The list of villages falling within the Eco-sensitive Zone along with their geo co-ordinates at prominent points is appended as

- (1) The State Government shall, for the purpose of the Eco-sensitive Zone prepare, a Zonal Master Plan, within a period of two years from the date of publication of final notification in the Official Gazette, in consultation with local people and adhering to the stipulations given in this notification for approval of the Competent authority of State.
- (2) The Zonal Master Plan for the Eco-sensitive Zone shall be prepared by the State Government in such manner as is specified in this notification and also in consonance with the relevant Central and State laws and the guidelines issued by the Central Government, if any.

(3) The Zonal Master Plan shall be prepared in consultation with the following State Government for integrating the ecological and environmental considerations into the said plan:

- (i) Environment;
- (ii) Forest and Wildlife;
- (iii) Agriculture;
- (iv) Revenue;
- (v) Urban Development;
- (vi) Tourism;
- (vii) Rural Development;
- (viii) Irrigation and Flood Control;
- (ix) Municipal;
- (x) Panchayat Raj;
- (xi) Public Work Department;
- (xii) Highways;
- (xiii) Tamil Nadu State Pollution Control Board.

- (4) The Zonal Master Plan shall not impose any restriction on the approved existing land use, infrastructure and activities, unless so specified in this notification and the Zonal Master Plan shall factor in improvement of all infrastructure and activities to be more efficient and eco-friendly.
- (5) The Zonal Master Plan shall provide for restoration of denuded areas, conservation of existing water bodies, management of catchment areas, watershed management, groundwater management, soil and moisture conservation, needs of local community and such other aspects of the ecology and environment that need attention.
- (6) The Zonal Master Plan shall demarcate all the existing worshipping places, villages and urban settlements, types and kinds of forests, agricultural areas, fertile lands, green area, such as, parks and like places, horticultural areas, orchards, lakes and other water bodies and also with supporting maps. The Plan shall be supported by Maps giving details of existing and proposed land use features.
- (7) The Zonal Master Plan shall regulate development in Eco-sensitive Zone and adhere to prohibited, regulated activities listed in the Table in paragraph 4 and also ensure and promote eco-friendly development for livelihood security of local communities.
- (8) The Zonal Master Plan shall be co-terminus with the Regional Development Plan.
- (9) The said Master Plan shall regulate development in Eco-sensitive Zone so as to ensure eco-friendly development for livelihood security of local communities.
- (10) The Zonal Master Plan so approved shall be the reference document for the Monitoring Committee for carrying out its functions of monitoring in accordance with the provisions of this notification.

The State Government shall take the following measures for giving effect to the provisions of this notification, namely:-

- (a) Forests, horticulture areas, agricultural areas, parks and open spaces earmarked for recreational purposes in the Eco-sensitive Zone shall not be used or converted into areas for major commercial or major residential complex or industrial activities.
- (b) Provided that the conversion of agricultural and other lands, for the purpose other than that specified at part (a), within the Eco-sensitive Zone may be permitted on the recommendation of the Monitoring Committee, and with the prior approval of the competent authority under Regional Town Planning Act and other rules and regulations of Central/State Government as applicable and vide provisions of this Notification, to meet the residential needs of the local residents such as:
 - (i) Widening and strengthening of existing roads and construction of new roads;
 - (ii) Construction and renovation of infrastructure and civic amenities;
 - (iii) Small scale industries not causing pollution;
 - (iv) Cottage industries including village industries; convenience stores and local amenities supporting eco-tourism including home stay; and
 - (v) Promoted activities and given in paragraph 4;

(c) Provided further that no use of tribal land shall be permitted for commercial and industrial development activities without the prior approval of the competent authority under Regional Town Planning Act and other rules and regulations of State Government and without compliance of the provisions of article 244 of the Constitution or the law for the time being in force, including the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (2 of 2007):

(d) Provided also that any error appearing in the land records within the Eco-sensitive Zone shall be corrected by the State Government, after obtaining the views of Monitoring Committee, once in each case and the correction of said error shall be intimated to the Central Government in the Ministry of Environment, Forest and Climate Change:

(e) Provided also that the above correction of error shall not include change of land use in any case except as provided under this sub-paragraph.

(f) Efforts shall be made to reforest the unused or unproductive agricultural areas with afforestation and habitat restoration activities.

The catchment areas of all natural springs/rivers/channels shall be identified and plans for their conservation and rejuvenation shall be incorporated in the Zonal Master Plan and the guidelines shall be drawn up by the State Government in such a manner as to prohibit development activities at or near these areas which are detrimental to such areas.

- (a) All new eco-tourism activities or expansion of existing tourism activities within the Eco-Sensitive Zone shall be as per the Tourism Master Plan for the Eco-sensitive Zone.
- (b) The Eco-Tourism Master Plan shall be prepared by Department of Tourism in consultation with State Departments of Environment and Forests.
- (c) The Tourism Master Plan shall form a component of the Zonal Master Plan.
- (d) The activities of eco-tourism shall be regulated as under, namely:-
 - (i) No new construction of hotels and resorts shall be allowed within 1 km from the boundary of the protected area or up to the extent of the ESZ whichever is nearer. However, beyond the distance of 1 km from the boundary of the protected area till the extent of the Eco-sensitive Zone, the establishment of new hotels and resorts shall be allowed only in pre-defined and designated areas for Eco-tourism facilities as per Tourism Master Plan.
 - (ii) All new tourism activities or expansion of existing tourism activities within the Eco-sensitive Zone shall be in accordance with the guidelines issued by the Central Government in the Ministry of Environment, Forest and Climate Change and the eco-tourism guidelines issued by National Tiger Conservation Authority (as amended from time to time) with emphasis on eco-tourism.
 - (iii) Until the Zonal Master Plan is approved, development for tourism and expansion of existing tourism activities shall be permitted by the concerned regulatory authorities based on the actual site specific scrutiny and recommendation of the Monitoring Committee and no new hotel /resort or commercial establishment construction is permitted within ESZ area.

All sites of valuable natural heritage in the Eco-sensitive Zone, such as the gene pool reserve areas, rock formations, waterfalls, springs, gorges, groves, caves, points, walks, rides, cliffs, etc. shall be identified and a heritage conservation plan shall be drawn up for their preservation and conservation as a part of the Zonal Master Plan.

Buildings, structures, artefacts, areas and precincts of historical, architectural, aesthetic and cultural significance shall be identified in the Eco-sensitive Zone and heritage conservation plan for their conservation shall be prepared as part Zonal Master Plan.

The Environment Department of the State Government or Tamil Nadu State Pollution Control Board shall implement the regulations for control of noise pollution in the Eco-sensitive Zone in accordance with the provisions stipulated of The Noise Pollution (Regulation and Control) Rules, 2000 under the Environment (Protection) Act, 1986 and amendments thereto.

Prevention and control of air pollution in the Eco-sensitive Zone shall be complied with in accordance with the provisions of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) and rules made thereunder and amendments thereto.

Discharge of treated effluent in Eco-sensitive Zone shall be in accordance with the provisions of the General Standards for Discharge of Environmental Pollutants covered under the Environmental (Protection) Act, 1986 and rules made thereunder or standards stipulated by State Government whichever is more stringent.

Disposal and Management of solid wastes shall be as under:

(a) the solid waste disposal and management in Eco-sensitive Zone shall be carried out in accordance with the Solid Waste Management Rules, 2016 and published by the Government of India in the Ministry of Environment, Forests and Climate Change vide notification number S.O. 1357 (E), dated 8th April, 2016 as amended from time to time; the inorganic material may be disposed in an environmental acceptable manner at site identified outside the Eco-sensitive Zone;

(b) Safe and Environmentally Sound Management (ESM) of Solid wastes in conformity with the existing rules and regulations using identified technologies may be allowed within Eco-Sensitive Zone.

Bio-medical waste management shall be as under:

(a) The bio-medical waste disposal in the Eco-sensitive Zone shall be carried out in accordance with the Bio-Medical Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change vide Notification Number GSR 343 (E), dated the 28th March, 2016 as amended from time to time.

(b) No common treatment facility or incineration shall be permitted within the Eco Sensitive Zone.

- The Plastic Waste Management in the Eco-sensitive Zone shall be carried out as per the provisions of the Plastic Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change vide notification number G.S.R. 340(E), dated the 18th March, 2016, as amended from time to time.

- The Construction and Demolition Waste Management in the Eco-sensitive Zone shall be carried out as per the provisions of the Construction and Demolition Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change vide notification number G.S.R. 317(E), dated the 29th March, 2016, as amended from time to time.

- The E- Waste Management in the Eco-sensitive Zone shall be carried out as per the provisions of the E-Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change and as amended from time to time.

- The vehicular movement of traffic shall be regulated in a habitat friendly manner and specific provisions in this regard shall be incorporated in the Zonal Master Plan and till such time as the Zonal Master plan is prepared and approved by the Competent Authority in the State Government, the Monitoring Committee shall monitor compliance of vehicular movement under the relevant Acts and the rules and regulations made thereunder.

) Prevention and control of Vehicular Pollution shall be complied with in accordance with applicable laws. Efforts to be made for use of cleaner fuel for example CNG, LPG, etc.

(i) On or after the publication of this notification in the Official Gazette, no new polluting industries shall be allowed to be set up within the Eco-sensitive Zone.

(ii) Only non-polluting industries shall be allowed within ESZ as per classification of Industries in the Guidelines issued by Central Pollution Control Board in February 2016, unless so specified in this notification. In addition, non-polluting cottage industries shall be promoted.

The protection of hill slopes shall be as under:

(a) The Zonal Master Plan shall indicate areas on hill slopes where no construction shall be permitted.

(b) No construction on existing steep hill slopes or slopes with a high degree of erosion shall be permitted.

The Central Government and the State Government shall specify other additional measures, if it considers necessary, in giving effect to the provisions of this notification.

All activities in the Eco sensitive Zone shall be governed by the provisions of the Environment (Protection) Act, 1986 (29 of 1986) and the rules made there under including the Coastal Regulation Zone (CRZ), 2011 and the Environmental Impact Assessment (EIA) Notification, 2006 and other applicable laws including the Forest (Conservation) Act, 1980 (69 of 1980), the Indian Forest Act, 1927 (16 of 1927) the Wildlife(Protection) Act 1972 (53 of 1972) and amendments made thereto and be regulated in the manner specified in the Table below, namely:-

1.	Commercial Mining .	(a) All new and existing (minor and major minerals) stone quarrying and crushing units are prohibited with immediate effect except for meeting the domestic needs of bonafide local residents including digging of earth for construction or repair of houses and for manufacture of country tiles or bricks for housing and for other activities. (b) The mining operations shall be carried out in accordance with the order of the Hon'ble Supreme Court dated 04.08.2006 in the matter of T.N. Godavarman Thirumalpad vs. UOI in W.P. (C) No. 202 of 1995 and dated 21.04.2014 in the matter of Goa Foundation z. UOI in W.P. (C) No. 435 of 2012.
2.	Setting of industries causing pollution (Water, Air, Soil, Noise, etc).	No new industries and expansion of existing polluting industries in the Eco-sensitive zone shall be permitted. Only non-polluting industries shall be allowed within ESZ as per classification of Industries in the guidelines issued by Central Pollution Control Board in February 2016, unless so specified in this notification. In addition, non-polluting cottage industries shall be promoted.
3.	Establishment of major hydroelectric project.	Prohibited (except as otherwise provided) as per applicable laws.
4.	Use or production or processing of any hazardous substances .	Prohibited (except as otherwise provided) as per applicable laws.
5.	Discharge of untreated effluents in natural water bodies or land area .	Prohibited (except as otherwise provided) as per applicable laws.
6.	Setting of new saw mills .	No new or expansion of existing saw mills shall be permitted within the Eco-sensitive Zone.
7.	Setting up of brick kilns .	Prohibited (except as otherwise provided) as per applicable laws.
8.	Commercial establishment of hotels and resorts.	No new commercial hotels and resorts shall be permitted within one kilometer of the boundary of the Protected Area or up to the extent of Eco-sensitive zone, whichever is nearer, except for small temporary structures for Eco-tourism activities. Provided that, beyond one kilometer from the boundary of the protected Area or up to the extent of Eco-sensitive zone whichever is nearer, all new tourist activities or expansion of existing activities shall be in conformity with the Tourism Master Plan and guidelines as applicable.
9.	Construction activities .	(a) No new commercial construction of any kind shall be permitted within one Kilometer from the boundary of the Protected Area or upto extent of the Eco-sensitive Zone whichever is nearer: (b) Provided that, local people shall be permitted to undertake construction in their land for their use including the activities listed in sub paragraph (1) of paragraph 6 as per building bylaws to meet the residential needs of the local residents such as: (i) Widening and strengthening of existing roads and construction of

		new road. (ii) Construction and renovation of infrastructure and civic amenities; (iii) Small scale industries not causing pollution termed as per Classification done by Central Pollution Control Board of February 2016; (iv) Cottage industries including village industries; convenience stores and local amenities supporting eco-tourism including home stays; and (v) Promoted activities listed in this Notification. (c) Provided that the construction activity related to small scale industries not causing pollution shall be regulated and kept at the minimum, with the prior permission from the competent authority as per applicable rules and regulation if any (d) Beyond one kilometer it shall be regulated as per the zonal master plan.
10.	Small scale non polluting industries.	Non polluting industries as per classification of industries issued by the central Pollution Control Board in February 2016 and non-hazardous, small scale and service industry, agriculture, floriculture, horticulture or agro-based industry producing products from indigenous materials from the Eco-sensitive Zone shall be permitted by the competent authority.
11.	Felling of Trees.	(a) There shall be no felling of trees on the forest or Government or revenue or private lands without prior permission of the competent authority in the State Government. (b) The felling of trees shall be regulated in accordance with the provisions of the concerned Central or State Act and the rules made there under,
12.	Collection of Forest produce or Non-Timber Forest Produce (NTFP).	Regulated under applicable laws.
13.	Erection of electrical and communication towers and laying of cables and other infrastructures .	Regulated under applicable laws. Underground cabling may be promoted.
14.	Solid Waste Management.	Regulated under applicable laws.
15.	Establishment of large scale commercial live stock and poultry farms by firms, corporate, companies .	Regulated under applicable laws.
16.	Infrastructure civic amenities .	Shall be done with mitigation measures, as per applicable laws, rules and regulation and available guidelines.
17.	Widening and strengthening of existing roads and construction of new roads .	Shall be done with mitigation measures, as per applicable laws, rules and regulation and available guidelines.
18.	Undertaking other activities related to tourism like over flying the ESZ area by hot air balloon, helicopter, drones, Microlites, etc	Regulated under applicable law.
19.	Protection of hill slopes and river banks	Regulated under applicable laws.
20.	Movement of vehicular traffic at night.	Regulated for commercial purpose under applicable laws.
21.	Ongoing agriculture and horticulture practices by local communities along with dairies, dairy farming, aquaculture and fisheries.	Permitted under applicable laws for use of locals.

22.	Discharge of treated waste water/effluents in natural water bodies or land area.	The discharge of treated waste water/effluents shall be avoided to enter into the water bodies. Efforts to be made for recycle and reuse of treated waste water. Otherwise the discharge of treated waste water/effluent shall be regulated as per applicable laws.
23.	Commercial extraction of surface and ground water.	Regulated under applicable law.
24.	Open Well, Bore Well etc. for agriculture or other usage	Regulated and the activity should be strictly monitored by the appropriate authority.
25.	Introduction of Exotic species	Regulated under applicable laws.
26.	Eco-tourism	Regulated under applicable laws.
27.	Use of polythene bags.	Regulated under applicable laws.
28.	Commercial sign boards and hoardings	Regulated under applicable laws.
29.	Rain water harvesting	Shall be actively promoted.
30.	Organic farming	Shall be actively promoted.
31.	Adoption of green technology for all activities	Shall be actively promoted.
32.	Cottage industries including village artisans, etc	Shall be actively promoted.
33.	Use of renewable energy and fuels	Bio gas, solar light etc to be actively promoted.
34.	Agro-Forestry	Shall be actively promoted.
35.	Use of eco-friendly transport	Shall be actively promoted.
36.	Skill Development	Shall be actively promoted.
37.	Restoration of Degraded Land/Forests/Habitats	Shall be actively promoted.
38.	Environmental awareness	Shall be actively promoted.

The Central Government hereby constitutes a Monitoring Committee, for effective monitoring of the provisions of this notification under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986), comprising of the following namely:-

1.	The District Collector, Ariyalur	Chairman;
2.	Revenue Division Officer, Ariyalur.	Member;
3.	A representative of Non-government Organisation working in the field of wildlife conservation to be nominated by State Government	Member;
4.	An expert in Biodiversity nominated by the State Government	Member;
5.	An expert in Ecology and Environment to be nominated by the State Government	Member;
6.	A representative from State Public Works Department	Member;
7.	A representative from State Pollution Control Board	Member;
8.	District Forest Officer, Ariyalur	Member Secretary.

- (1) The Monitoring Committee shall monitor the compliance of the provisions of this notification.
- (2) The tenure of the Monitoring committee shall be for three years or till the re-constitution of the new Committee by the State Government and subsequently the Monitoring Committee would be constituted by the State Government.

- (3) The activities that are covered in the Schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533 (E), dated the 14th September, 2006, and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the Table under paragraph 4 thereof, shall be scrutinized by the Monitoring Committee based on the actual site-specific conditions and referred to the Central Government in the Ministry of Environment, Forest and Climate Change for prior environmental clearances under the provisions of the said notification.
- (4) The activities that are not covered in the Schedule to the notification of the Government of India in the erstwhile Ministry of Environment, Forest and Climate Change number S.O. 1533 (E), dated the 14th September, 2006 and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the Table under paragraph 4 thereof, shall be scrutinized by the Monitoring Committee based on the actual site-specific conditions and referred to the concerned regulatory authorities.
- (5) The Member Secretary of the Monitoring Committee or the concerned Deputy Commissioner(s) shall be competent to file complaints under section 19 of the Environment (Protection) Act, 1986 against any person who contravenes the provisions of this notification.
- (6) The Monitoring Committee may invite representatives or experts from concerned Departments, representatives from industry associations or concerned stakeholders to assist in its deliberations depending on the requirements on issue to issue basis.
- (7) The Monitoring Committee shall submit the annual action taken report of its activities as on the 31st March of every year by the 30th June of that year to the Chief Wildlife Warden in the State as per Performa given in
- (8) The Central Government in the Ministry of Environment, Forest and Climate Change may give such directions, as it deems fit, to the Monitoring Committee for effective discharge of its functions.

The Central Government and State Government may specify additional measures, if any, for giving effect to provisions of this notification.

The provisions of this notification are subject to the orders, if any passed or to be passed by the Hon'ble Supreme Court of India or the High Court or National Green Tribunal.

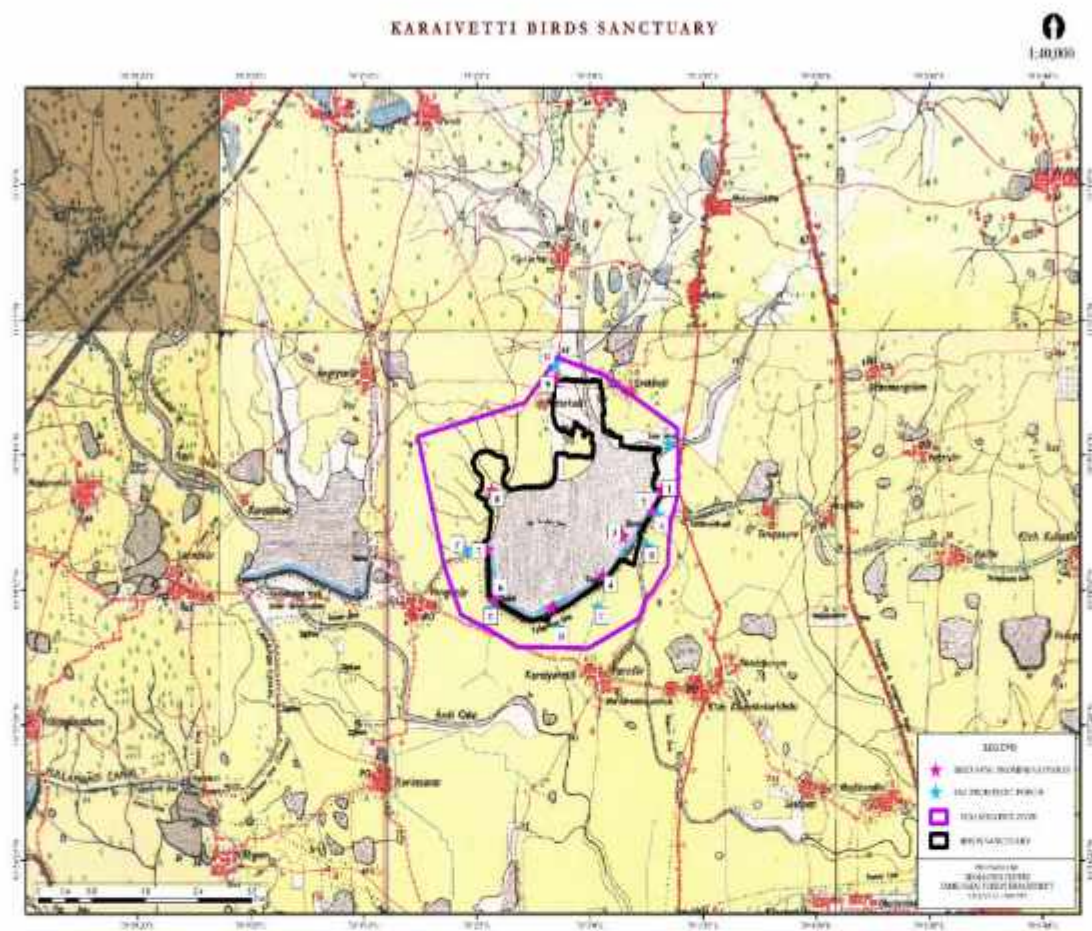
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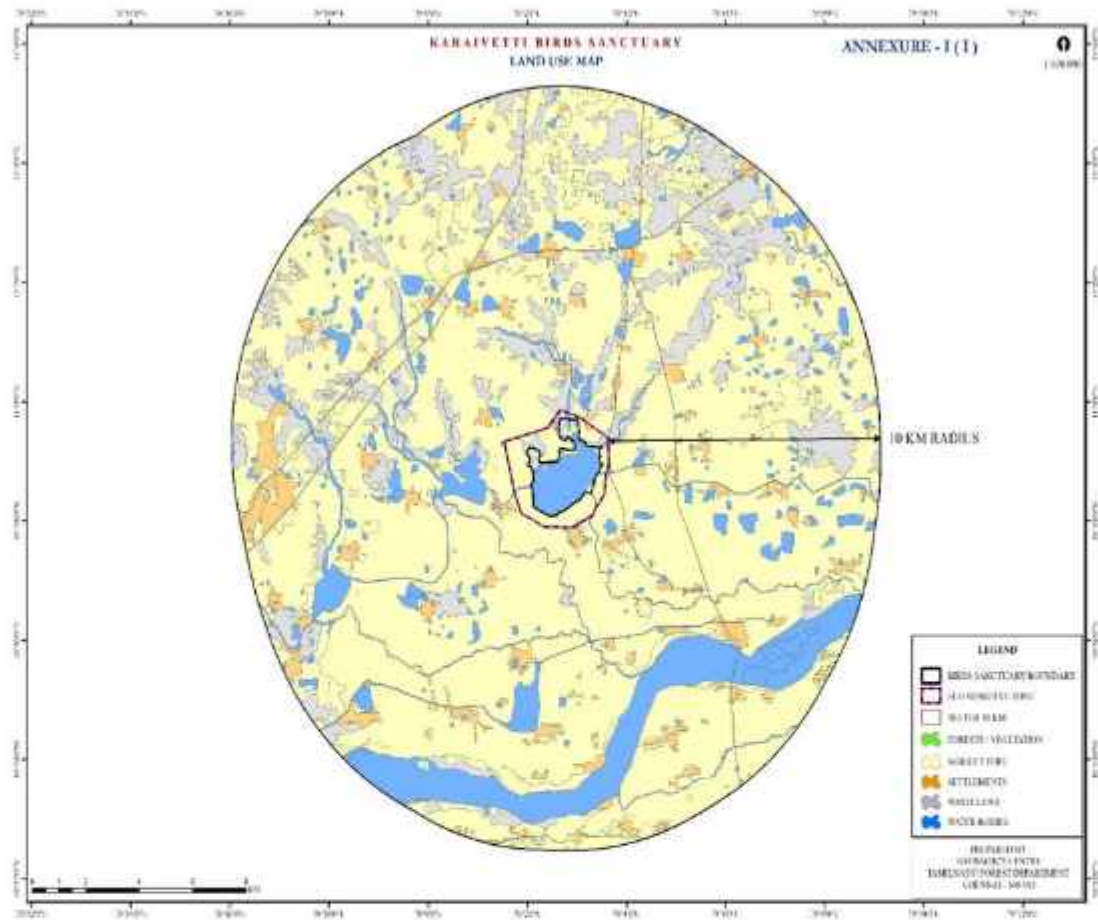
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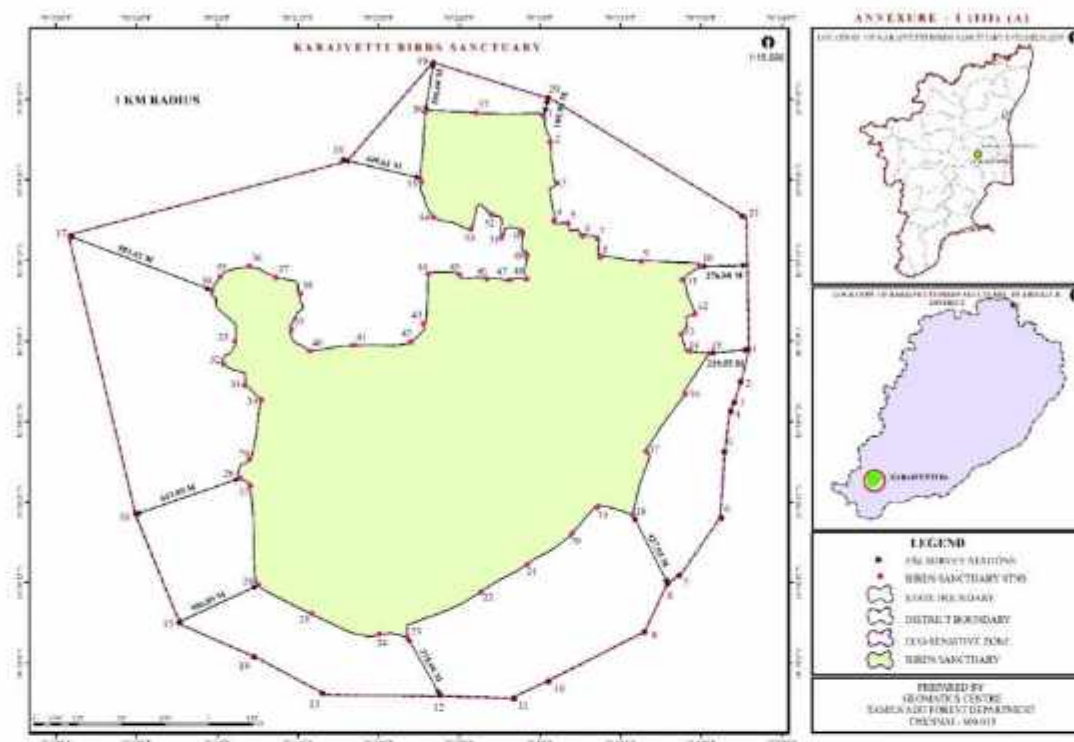
	The Boundary starts from Station No.19 and runs through Station No.20 towards eastern side to Ayansuthamalli village.
	The Boundary starts from Station No.20 and Station No.21 run towards Ayansuthamalli Village.
	Thence boundary starts from Station No.21 and runs through Station No.1, 2, 3, 4, 5 towards Karaivetti Village.
	Thence boundary runs from Station No.6 to Station No.12 towards Karaivetti village.
	Thence boundary starts from Station No.12 to Station No.14 run through Venganur village.
	Thence boundary runs from Station No.15 to Station No.17 towards Sannavur North village.
	Thence boundary runs from Station No.17 to Station No.18 runs through Sannavur North villages.
	Thence boundary starts from Station No.18 and ends in Station No.19 runs to Ayansuthamalli village.











1.	1	N	10°59'42"	79°3'1"
2.	2	NE	10°59'37"	79°3'2"
3.	3	NE	10°59'29"	79°3'3"
4.	4	NE	10°59'23"	79°3'3"
5.	5	NE	10°59'22"	79°3'5"
6.	6	NE	10°59'20"	79°3'8"
7.	7	NE	10°59'19"	79°3'11"
8.	8	NE	10°59'16"	79°3'11"
9.	9	NE	10°59'15"	79°3'19"
10.	10	NE	10°59'15"	79°3'30"
11.	11	NE	10°59'11"	79°3'27"
12.	12	NE	10°59'5"	79°3'29"
13.	13	NE	10°59'1"	79°3'26"

14.	14	E	10°58'58"	79°3'28"
15.	15	E	10°58'57"	79°3'31"
16.	16	E	10°58'50"	79°3'27"
17.	17	SE	10°58'39"	79°3'20"
18.	18	SE	10°58'29"	79°3'17"
19.	19	SE	10°58'29"	79°3'11"
20.	20	SE	10°58'24"	79°3'6"
21.	21	SE	10°58'18"	79°2'57"
22.	22	S	10°58'13"	79°2'49"
23.	23	SW	10°58'7"	79°2'36"
24.	24	SW	10°58'6"	79°2'30"
25.	25	SW	10°58'9"	79°2'18"
26.	26	SW	10°58'15"	79°2'7"
27.	27	SW	10°58'33"	79°2'6"
28.	28	SW	10°58'35"	79°2'3"
29.	29	SW	10°58'38"	79°2'6"
30.	30	SW	10°58'49"	79°2'8"
31.	31	W	10°58'52"	79°2'5"
32.	32	W	10°58'56"	79°2'1"
33.	33	W	10°58'60"	79°2'3"
34.	34	NW	10°59'6"	79°2'0"
35.	35	NW	10°59'12"	79°2'1"
36.	36	NW	10°59'14"	79°2'6"
37.	37	NW	10°59'12"	79°2'11"
38.	38	NW	10°59'9"	79°2'15"
39.	39	NW	10°59'2"	79°2'14"
40.	40	NW	10°58'58"	79°2'17"
41.	41	NW	10°58'59"	79°2'25"
42.	42	NW	10°58'60"	79°2'36"
43.	43	NW	10°59'3"	79°2'38"
44.	44	NW	10°59'12"	79°2'39"
45.	45	NW	10°59'12"	79°2'45"
46.	46	NW	10°59'12"	79°2'50"
47.	47	NW	10°59'11"	79°2'54"
48.	48	NW	10°59'12"	79°2'57"
49.	49	NW	10°59'16"	79°2'57"
50.	50	NW	10°59'20"	79°2'56"
51.	51	NW	10°59'19"	79°2'53"
52.	52	NW	10°59'24"	79°2'51"
53.	53	NW	10°59'21"	79°2'47"
54.	54	NW	10°59'23"	79°2'40"
55.	55	NW	10°59'30"	79°2'38"
56.	56	N	10°59'43"	79°2'39"

57.	57	N	10°59'42"	79°2'48"
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1.	1	E	10°58'59"	79°3'38"
2.	2	E	10°58'53"	79°3'37"
3.	3	E	10°58'49"	79°3'35"
4.	4	SE	10°58'48"	79°3'35"
5.	5	SE	10°58'39"	79°3'34"
6.	6	SE	10°58'27"	79°3'33"
7.	7	SE	10°58'17"	79°3'26"
8.	8	SE	10°58'15"	79°3'23"
9.	9	SE	10°58'6"	79°3'19"
10.	10	SE	10°57'57"	79°3'1"
11.	11	S	10°57'54"	79°2'54"
12.	12	S	10°57'54"	79°2'41"
13.	13	S	10°57'54"	79°2'20"
14.	14	SW	10°58'1"	79°2'7"
15.	15	SW	10°58'8"	79°1'52"
16.	16	SW	10°58'28"	79°1'44"
17.	17	NW	10°59'20"	79°1'32"
18.	18	NW	10°59'34"	79°2'24"
19.	19	N	10°59'52"	79°2'39"
20.	20	N	10°59'45"	79°3'2"
21.	21	NE	10°59'23"	79°3'38"

1.	Ayansuthamalli	Revenue Village	Ariyalur	Ariyalur	10°59'45"	79°3'2"
2.	Karaivetti	Revenue Village	Ariyalur	Ariyalur	10°57'54"	79°2'41"
3.	Venganur	Revenue Village	Ariyalur	Ariyalur	10°58'8"	79°1'52"
4.	Sannavur North	Revenue Village	Ariyalur	Ariyalur	10°59'20"	79°1'32"

1. Number and date of Meetings
2. Minutes of the meetings: Mention main noteworthy points. Attach Minutes of the meeting as separate Annexure.
3. Status of preparation of Zonal Master Plan including Tourism Master Plan
4. Summary of cases dealt for rectification of error apparent on face of land record (Eco-sensitive Zone wise). Details may be attached as Annexure.
5. Summary of cases scrutinised for activities covered under the Environment Impact Assessment Notification, 2006. Details may be attached as separate Annexure.
6. Summary of cases scrutinised for activities not covered under the Environment Impact Assessment Notification, 2006. Details may be attached as separate Annexure.
7. Summary of complaints lodged under section 19 of the Environment (Protection) Act, 1986.
8. Any other matter of importance.



Category of the Industry :

RED



CONSENT ORDER NO. 2208243539088 DATED: 23/05/2022.

PROCEEDINGS NO.T4/TNPCB/F.0645ARY/RL/ARY/A/2022 DATED: 23/05/2022

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT –M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ARUNGAL LIMESTONE MINES , S.F.No. SF Nos. 48/1A1,48/1A2,48/1A3,48/1A4,48/1A5,48/1A6,48/1A7,48/1A8,48/1B,48/2A,48/2B,48/2C,48/2D, 48/2E, 49/1A, 49/1B, 49/1C, 49/1D, 49/1E, 49/2, 49/3A, 49/3B, 49/3C, 49/3D, 49/3E,49/3F,49/3G,49/4,50/1,50/2,50/3A,50/3B,50/4A,50/4B,50/5,50/6,50/7A,50/7B,50/7C,50/7D, 50/8A,50/8B,50/9,50/10,50/11,50/12,50/13A,50/13B,51/1,51/2,51/3,51/4,52/1,52/2,53/2,53/3,59/3, 59/4,59/5,59/6,59/7,82/1B,82/1C,82/2A,83/1A,83/1B,83/1E,83/2,84/1,84/2A,84/2B,84/2C,84/2D, 84/3,84/4,84/5A,84/5B,84/5C,84/6,84/7A,84/7B,84/7C,84/7D,84/8A,84/8B,84/9A,84/9B,84/9C, 84/9E,84/9F,85/1A,85/1B,85/1C,85/1D,85/1E,85/2A,85/2B,85/2C,86/1,86/2,86/3,86/4,86/5,86/6, 86/7,86/8,86/9,86/10,87/1,87/2,87/3,87/4,87/5,87/6,87/7,88/1A,88/1B,88/1C,88/1D,88/1E,88/1F, 88/1H,88/2A,88/2B,88/3A,88/3B,88/3C,88/3E,88/3F,88/3G,88/3I,89/2,90/1,90/2,90/3,90/4,90/5A, 90/5B,90/6A,90/6B,90/7A,90/7B,90/8A,90/8B,90/8C,90/9,90/10,90/11,90/12A, 90/12B, 90/13A, 90/13B, 90/14A, 90/14B, 90/15, 90/16A, 90/16B,90/17,90/18,90/19,91/1B,91/1C,91/1D,91/1E, 91/1F,91/2A,91/2B,91/2C,91/2D,91/2E,91/2F,91/2G,91/3A,91/3B,91/4A,91/4B,91/4C,91/4F,92/1, 92/3,92/4,92/5,92/6,92/7,92/8,92/9,92/10,94/1,94/2,94/3,94/4,94/5,94/6,95/1A,95/1B,95/1C,95/2A, 95/2B,98/3,98/4A,98/4B,98/4C,98/4D of Arungal Village, ARUNKAL village, Ariyalur Taluk and Ariyalur District - Renewal of Consent for the 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.

REF: 1.Unit's application no. 43539088 DATED:02.03.2022.
2.IR.No : F.0645ARY/RL/DEE/ARY/2022 dated 05/05/2022

RENEWAL OF CONSENT 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

The Executive Director

M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ARUNGAL LIMESTONE MINES, S.F.No. SF Nos. 48/1A1,48/1A2,48/1A3,48/1A4, 48/1A5,48/1A6,48/1A7,48/1A8,48/1B,48/2A,48/2B,48/2C,48/2D, 48/2E,49/1A,49/1B,49/1C,49/1D,49/1E, 49/2,49/3A,49/3B,49/3C,49/3D, 49/3E,49/3F,49/3G,49/4,50/1,50/2,50/3A,50/3B,50/4A,50/4B,50/5,50/6,50/7A, 50/7B,50/7C,50/7D,50/8A,50/8B,50/9,50/10,50/11,50/12,50/13A,50/13B,51/1,51/2,51/3,51/4,52/1,52/2,53/2, 53/3,59/3,59/4,59/5,59/6,59/7,82/1B,82/1C,82/2A,83/1A,83/1B,83/1E,83/2,84/1,84/2A,84/2B,84/2C,84/2D, 84/3,84/4,84/5A,84/5B,84/5C,84/6,84/7A,84/7B,84/7C,84/7D,84/8A,84/8B,84/9A,84/9B,84/9C,84/9E,84/9F, 85/1A,85/1B,85/1C,85/1D,85/1E,85/2A,85/2B,85/2C,86/1,86/2,86/3,86/4,86/5,86/6,86/7,86/8,86/9,86/10,87/1, 87/2,87/3,87/4,87/5,87/6,87/7,88/1A,88/1B,88/1C,88/1D,88/1E,88/1F,88/1H,88/2A,88/2B,88/3A,88/3B,88/3C, 88/3E,88/3F,88/3G,88/3I,89/2,90/1,90/2,90/3,90/4,90/5A,90/5B,90/6A,90/6B,90/7A,90/7B,90/8A,90/8B,90/8C, 90/9,90/10,90/11,90/12A, 90/12B, 90/13A, 90/13B, 90/14A, 90/14B, 90/15, 90/16A, 90/16B,90/17,90/18,90/19, 91/1B,91/1C,91/1D,91/1E,91/1F,91/2A,91/2B,91/2C,91/2D,91/2E,91/2F,91/2G,91/3A,91/3B,91/4A,91/4B, 91/4C,91/4F,92/1,92/3,92/4,92/5,92/6,92/7,92/8,92/9,92/10,94/1,94/2,94/3,94/4,94/5,94/6,95/1A,95/1B,95/1C, 95/2A,95/2B,98/3,98/4A,98/4B,98/4C,98/4D of Arungal Village, ARUNKAL 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 RENEWAL OF CONSENT is valid for the period ending March 31, 2027


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

SPECIAL CONDITIONS

1. This renewal of consent 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 and Marl over an extent of 67.73 Hectares [0.56 million TPA Limestone and 0.24 million TPA Marl]	0.8	million TPA
By-Product Details			
1.	NO BYPRODUCT	0	0
Intermediate Product Details			
1.	NO INTERMEDIATE PRODUCT	0	0

2. This renewal of consent 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	No stack	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	

Special Additional Conditions:

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.
- ii. 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.

Additional Conditions:

1. The unit shall operate and maintain the Air Pollution Control measures efficiently and continuously so as to achieve the Ambient Air Quality / 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 stipulated in the Environmental Clearance was issued by Ministry of Environment and Forest Govt. of India vide Lr.No.J-11015/206/2009-IA.II (M) dated 06.07.2011 and EC amendment vide Lr.No.J-11015/206/2009-IA.II(M) dated 01.01.2020.
5. The unit shall obtain and submit "No mining dues Certificate" obtained from District Administration to the Boars, within a month.
6. The unit shall ensure that transport vehicle shall be leak proof and properly covered with tarpaulin so as to prevent dust from being air borne.
7. The unit shall adhere to the ambient Noise level standards prescribed by the Board.
8. The unit shall carry out ROA of AAQ/ANL survey once in a year through TNPCB and submit report to the Board.
9. The unit shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.,
10. The unit shall maintain all the Continuous Ambient Air Quality Monitoring station in the mines continuously and efficiently and should ensure the online connectivity with Care Air Centre of TNPCB, Chennai to provide proper quality data at all times. The unit shall continuously operate and maintain the online analyzer effectively.
11. The unit shall continue to develop more green belt in and around the premises.
12. The unit shall comply with Mines and Minerals (Development and Regulation) Amendment Act 2015.
13. The unit shall ensure that all the transport vehicles shall be leak proof and properly covered with tarpaulin so as to avoid spillages, which may cause fugitive emission and further to prevent dust from being air borne.
14. The unit shall adhere to the depth of mining mentioned in the Environmental Clearance issued.
15. The unit shall strictly adhere to the approved mine closure plan.
16. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent will be withdrawn without any notice and further action will be initiated against the unit as per law.
17. This consent order does not absolve from obtaining necessary permission / clearance from other Authority or under other Statute as applicable.


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

To
The Executive Director,
M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ARUNGAL 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, Triuchirappalli.
4. File

Category of the Industry :

RED



CONSENT ORDER NO. 2208143539088 DATED: 23/05/2022.

PROCEEDINGS NO.T4/TNPCB/F.0645ARY/RL/ARY/W/2022 DATED: 23/05/2022

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT – M/s. CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ARUNGAL LIMESTONE MINES , S.F.No. SF Nos. 48/1A1,48/1A2,48/1A3,48/1A4,48/1A5,48/1A6,48/1A7,48/1A8,48/1B,48/2A,48/2B,48/2C,48/2D, 48/2E, 49/1A, 49/1B, 49/1C, 49/1D, 49/1E, 49/2, 49/3A, 49/3B, 49/3C, 49/3D, 49/3E,49/3F,49/3G,49/4,50/1,50/2,50/3A,50/3B,50/4A,50/4B,50/5,50/6,50/7A,50/7B,50/7C,50/7D, 50/8A,50/8B,50/9,50/10,50/11,50/12,50/13A,50/13B,51/1,51/2,51/3,51/4,52/1,52/2,53/2,53/3,59/3, 59/4,59/5,59/6,59/7,82/1B,82/1C,82/2A,83/1A,83/1B,83/1E,83/2,84/1,84/2A,84/2B,84/2C,84/2D, 84/3,84/4,84/5A,84/5B,84/5C,84/6,84/7A,84/7B,84/7C,84/7D,84/8A,84/8B,84/9A,84/9B,84/9C, 84/9E,84/9F,85/1A,85/1B,85/1C,85/1D,85/1E,85/2A,85/2B,85/2C,86/1,86/2,86/3,86/4,86/5,86/6, 86/7,86/8,86/9,86/10,87/1,87/2,87/3,87/4,87/5,87/6,87/7,88/1A,88/1B,88/1C,88/1D,88/1E,88/1F, 88/1H,88/2A,88/2B,88/3A,88/3B,88/3C,88/3E,88/3F,88/3G,88/3I,89/2,90/1,90/2,90/3,90/4,90/5A, 90/5B,90/6A,90/6B,90/7A,90/7B,90/8A,90/8B,90/8C,90/9,90/10,90/11,90/12A, 90/12B, 90/13A, 90/13B, 90/14A, 90/14B, 90/15, 90/16A, 90/16B,90/17,90/18,90/19,91/1B,91/1C,91/1D,91/1E, 91/1F,91/2A,91/2B,91/2C,91/2D,91/2E,91/2F,91/2G,91/3A,91/3B,91/4A,91/4B,91/4C,91/4F,92/1, 92/3,92/4,92/5,92/6,92/7,92/8,92/9,92/10,94/1,94/2,94/3,94/4,94/5,94/6,95/1A,95/1B,95/1C,95/2A, 95/2B,98/3,98/4A,98/4B,98/4C,98/4D of Arungal Village, ARUNKAL village, Ariyalur Taluk and Ariyalur District - Renewal of 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.

REF: 1.Unit's application no. 43539088 DATED:02.03.2022.
2.IR.No : F.0645ARY/RL/DEE/ARY/2022 dated 05/05/2022

RENEWAL OF CONSENT 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

The Executive Director

M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ARUNGAL LIMESTONE MINES, S.F.No. SF Nos. 48/1A1,48/1A2,48/1A3,48/1A4, 48/1A5,48/1A6,48/1A7,48/1A8,48/1B,48/2A,48/2B,48/2C,48/2D, 48/2E,49/1A,49/1B,49/1C,49/1D,49/1E, 49/2,49/3A,49/3B,49/3C,49/3D, 49/3E,49/3F,49/3G,49/4,50/1,50/2,50/3A,50/3B,50/4A,50/4B,50/5,50/6,50/7A, 50/7B,50/7C,50/7D,50/8A,50/8B,50/9,50/10,50/11,50/12,50/13A,50/13B,51/1,51/2,51/3,51/4,52/1,52/2,53/2, 53/3,59/3,59/4,59/5,59/6,59/7,82/1B,82/1C,82/2A,83/1A,83/1B,83/1E,83/2,84/1,84/2A,84/2B,84/2C,84/2D, 84/3,84/4,84/5A,84/5B,84/5C,84/6,84/7A,84/7B,84/7C,84/7D,84/8A,84/8B,84/9A,84/9B,84/9C,84/9E,84/9F, 85/1A,85/1B,85/1C,85/1D,85/1E,85/2A,85/2B,85/2C,86/1,86/2,86/3,86/4,86/5,86/6,86/7,86/8,86/9,86/10,87/1, 87/2,87/3,87/4,87/5,87/6,87/7,88/1A,88/1B,88/1C,88/1D,88/1E,88/1F,88/1H,88/2A,88/2B,88/3A,88/3B,88/3C, 88/3E,88/3F,88/3G,88/3I,89/2,90/1,90/2,90/3,90/4,90/5A,90/5B,90/6A,90/6B,90/7A,90/7B,90/8A,90/8B,90/8C, 90/9,90/10,90/11,90/12A, 90/12B, 90/13A, 90/13B, 90/14A, 90/14B, 90/15, 90/16A, 90/16B,90/17,90/18,90/19, 91/1B,91/1C,91/1D,91/1E,91/1F,91/2A,91/2B,91/2C,91/2D,91/2E,91/2F,91/2G,91/3A,91/3B,91/4A,91/4B, 91/4C,91/4F,92/1,92/3,92/4,92/5,92/6,92/7,92/8,92/9,92/10,94/1,94/2,94/3,94/4,94/5,94/6,95/1A,95/1B,95/1C, 95/2A,95/2B,98/3,98/4A,98/4B,98/4C,98/4D of Arungal Village, ARUNKAL 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 RENEWAL OF CONSENT is valid for the period ending March 31, 2027


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

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating 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 and Marl over an extent of 67.73 Hectares [0.56 million TPA Limestone and 0.24 million TPA Marl]	0.8	million TPA
By-Product Details			
1.	NO BYPRODUCT	0	0
Intermediate Product Details			
1.	NO INTERMEDIATE PRODUCT	0	0

2. This renewal of consent is valid for operating 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	4.5	On Industrys own land
Effluent Type : Trade Effluent			
1.	No trade effluent generation	0.0	Not applicable

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.

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 stipulated in the Environmental Clearance was issued by Ministry of Environment and Forest Govt. of India vide Lr.No.J-11015/206/2009-IA.II (M) dated 06.07.2011 and EC amendment vide Lr.No.J-11015/206/2009-IA.II(M) dated 01.01.2020.
3. The unit shall obtain and submit "No mining dues Certificate" obtained from District Administration to the Boars, within a month.
4. The unit shall ensure that no trade effluent is generated at any stage of the mining activity.
5. The unit shall properly collect and store the overburden and inter burden for back filling purpose of mined out pits.
6. The unit shall adhere to the depth of mining mentioned in the Environmental Clearance issued.
7. The unit shall properly collect and store the overburden and inter burden for back filling purpose of mined out pits.
8. The mined out pits should be backfilled wherever warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed.
9. Medical check up of the all the employees shall be carried out periodically, specifically with respect to dust exposure levels and the possible control measures shall be taken for minimizing the dust exposure level on the worker and improving their health conditions to be furnished to the competent authority
10. Safety precautionary measures for all the employees who are working in the mines should be practiced and strictly to be followed.
11. The unit shall ensure that the mining operations shall not cause any damage to patta land located inside the mining lease area.
12. The unit shall always possess valid NOC from PWD/WRD for fresh water drawl at all times.
13. The unit shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.,
14. The unit shall develop thick green belt with native species shall be developed in the 50 m safety distance in the land area in the periphery.
15. Wherever practicable, the mine water shall be utilized for irrigation and to the plantation raised to stabilize the mine waste dumps.
16. The unit shall comply with Mines and Minerals (Development and Regulation) Amendment Act 2015.
17. 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.,
18. The unit shall comply with the E waste Management Rules 2016, E waste as listed in Schedule- I generated by them shall be channelized through collection centre or dealer of authorized producer or dismantlers or recycler or through the designated take back service provider of the producer to authorized dismantler or recycler. The unit shall maintain records of E- waste generated by them in Form- 2 and make such records available for scrutiny by the TNPCB. The unit shall file annual returns in Form -3, to the TNPCB on or before the 30 th day if June following the financial year.
19. The unit shall strictly adhere to the approved mine closure plan.
20. In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification. Failing to remit the consent fee, this consent will be withdrawn without any notice and further action will be initiated against the unit as per law.
21. This consent order does not absolve from obtaining necessary permission / clearance from other Authority or under other Statute as applicable.

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

To

The Executive Director,

M/s.CHETTINAD CEMENT CORPORATION PRIVATE LIMITED ARUNGAL 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, Triuchirappalli.
4. File

**PROCEEDINGS OF THE COMMISSIONER OF GEOLOGY AND
MINING (i/c), GUINDY, CHENNAI - 600 032.**

PRESENT : THIRU ATUL ANAND, I.A.S.,

Rc.No.10047/MM1/2008

dated 19.03.2012

Sub: Mines and Minerals - Limestone and Marl - Ariyalur district - Ariyalur taluk - Arungal village - S.F.Nos.48/1A1, 48/1A2, 48/1A3, etc. - over an extent of 68.91.0 hecets. of patta lands - Mining lease application of Tvl. Chettinad Cement Corporation Ltd. - Application forwarded by the District Collector recommending for grant of Mining lease - - precise area communicated over an extent of 67.73.0 hecets. - Approved Mining Plan submitted - Environmental clearance produced - Mining Lease granted - orders issued.

- Ref:
1. Mining lease application of Tvl. Chettinad Cement Corporation Ltd. dt.12.11.2007
 2. District Collector, Ariyalur Lr.No. 3337/G&M/2007 dt. 10.5.2008
 3. This office letter No.10047 / MM1 / 2008 dt. 12.12.2008
 4. District Collector, Ariyalur Lr. No. 3337/G&M/2009 dt.9.1.2009
 5. This Office letter No.10047/MM1/2008 dated 1.6.2009
 6. Letter dated 25.8.2009 received from Tvl.Chettinad Cement Corporation Ltd.,
 7. Letter dated 14.7.2011 received from Tvl.Chettinad Cement Corporation Ltd.,
 8. G.O. Ms. No.133/ Industries (MMA 1) Department dt.4.5.98

-oOo-

ORDER:

Tvl.Chettinad Cement Corporation Ltd., have applied on 12.11.2007 for grant of mining lease for Limestone & Marl over an extent of 68.91.0 hecets. of patta lands in S.F.Nos.48/1A1, 48/1A2,

48/1A3 etc., of Arungal village, Ariyalur taluk & District for a period of 20 years.

2. The District Collector, Ariyalur has forwarded the mining lease application of Tvl.Chettinad Cement Corporation Ltd., recommending for grant of mining lease for Limestone and Marl over an extent of 67.72.5 hecets. of patta lands in S.F.Nos.48/1A1, 48/1A2 etc., of Arungal village, Ariyalur taluk and District for a period of 20 years subject to certain conditions vide reference 2nd cited.

3. The mining lease application and the report of the District Collector were examined and certain clarifications were called for from the District Collector, Ariyalur vide reference 3rd cited. The District Collector, Ariyalur in his letter dated 9.1.2009 in the reference 4th cited has furnished further particulars and clarified that the mining lease application may be considered for an extent of 67.73.0 hecets. as the actual extent recommended for mining lease in S.F.No.82/1C is 0.55.5 hectare instead of 0.55.0 hectare earlier recommended.

4. The applicant company has furnished the following documents in connection with their mining lease application.

- a) The applicant company has remitted an application fee of Rs.2500/- and the preliminary expense of Rs.1000/- on 9.11.2007 at State Bank of India, Ariyalur Branch under the proper head of account and produced the original challans.
- b) The applicant company has enclosed the village records such as "A" register, Chitta, Adangal, FMB and combined sketch in respect of the patta lands applied for mining lease.
- c) The applicant company has produced an affidavit towards areas held under mining lease /applied for but not granted/being applied for simultaneously as required under rule 22(3) (i) (g) of Mineral Concession Rules 1960.
- d) The applicant company has produced copy of income Tax returns filed for the year 2011-2012.

- a period
- mining
- e) The applicant company has produced the copies of Mining Dues Clearance Certificate issued in respect of Dindigul, Ariyalur and Perambalur districts for the year ending 31.03.2011 and in respect of Karur district for the year ending 31.3.2010.
 - f) A copy of certificate of incorporation in form IR is enclosed.
 - g) A copy of Memorandum and Articles of Association of Tvl.Chettinad Cement Corporation Ltd., is enclosed.
 - h) The applicant company has produced a copy of List of the Directors of the company as on 13.03.2012.

5. The mining lease proposal has been examined with reference to the provisions of the Act and Rules and the following are observed.

i) The lands applied for grant of mining lease over an extent of 67.73.0 hecets. in S.F.Nos.48/1A1, 48/1A2 etc., of Arungal village, are classified as ryotwari patta and stand registered in the name of Tvl.Chettinad Cement Corporation Ltd., vide patta No.2274 of Arungal village accounts and therefore the applicant company has got surface rights over the following patta lands applied for mining lease.

District	Taluk	Village	Survey Number		Extent (in hecets.)
Ariyalur	Ariyalur	Arungal	48	1A1	0.64.0
			48	1A2	0.25.0
			48	1A3	0.21.0
			48	1A4	1.01.0
			48	1A5	0.05.0
			48	1A6	0.08.5
			48	1A7	0.68.0
			48	1A8	0.22.0
			48	1B	0.58.5
			48	2A	0.45.0
			48	2B	1.04.5

48	2C	0.02.5
48	2D	0.20.0
48	2E	0.20.0
49	1A	1.28.5
49	1B	0.02.0
49	1C	0.12.0
49	1D	0.28.0
49	1E	0.32.0
49	2	2.03.0
49	3A	0.01.5
49	3B	0.03.0
49	3C	0.02.5
49	3D	0.03.0
49	3E	0.09.0
49	3F	0.00.5
49	3G	0.02.5
49	4	0.21.5
50	1	0.28.5
50	2	0.50.5
50	3A	0.24.0
50	3B	0.20.5
50	4A	0.28.0
50	4B	0.24.0
50	5	0.62.5
50	6	0.28.5
50	7A	0.14.0
50	7B	0.14.0
50	7C	0.16.0
50	7D	0.12.5
50	8A	0.22.0
50	8B	0.18.0
50	9	0.64.0
50	10	0.06.5
50	11	0.03.5
50	12	0.03.0
50	13A	0.00.5
50	13B	0.02.5
51	1	1.32.0
51	2	0.80.0
51	3	0.79.0
51	4	0.56.0
52	1	0.99.5
52	2	2.32.0
53	2	0.48.5
53	3	1.13.5

59	3	0.82.5
59	4	0.35.0
59	5	0.14.0
59	6	0.14.5
59	7	0.30.0
82	1B	0.76.5
82	1C	0.55.5
82	2A	0.60.5
83	1A	0.82.5
83	1B	0.61.5
83	1E	0.36.0
83	2	1.20.0
84	1	0.83.5
84	2A	0.08.0
84	2B	0.08.0
84	2C	0.08.5
84	2D	0.13.5
84	3	0.16.0
84	4	0.14.5
84	5A	0.14.0
84	5B	0.14.5
84	5C	0.13.5
84	6	0.78.5
84	7A	0.19.0
84	7B	0.19.0
84	7C	0.16.0
84	7D	0.25.5
84	8A	0.17.5
84	8B	0.26.0
84	9A	0.22.5
84	9B	0.31.5
84	9C	0.47.0
84	9E	0.39.0
84	9F	0.25.0
85	1A	0.31.5
85	1B	0.27.0
85	1C	0.36.5
85	1D	0.36.5
85	1E	0.41.5
85	2A	0.59.0
85	2B	0.44.5
85	2C	0.48.0
86	1	0.23.5
86	2	0.43.0
86	3	0.85.0

86	4	0.20.5
86	5	0.25.5
86	6	0.24.0
86	7	0.48.0
86	8	0.25.0
86	9	0.33.5
86	10	0.17.0
87	1	0.51.0
87	2	0.15.0
87	3	0.40.0
87	4	1.05.0
87	5	0.74.5
87	6	0.11.0
87	7	0.15.0
88	1A	0.19.5
88	1B	0.22.0
88	1C	0.19.0
88	1D	0.24.0
88	1E	0.22.0
88	1F	0.26.0
88	1H	0.30.5
88	2A	0.28.5
88	2B	0.27.0
88	3A	0.15.0
88	3B	0.11.0
88	3C	0.09.5
88	3E	0.56.5
88	3F	0.30.0
88	3G	0.15.5
88	3I	0.30.0
89	2	0.36.0
90	1	0.93.5
90	2	0.45.5
90	3	0.19.0
90	4	0.19.5
90	5A	0.17.5
90	5B	0.17.5
90	6A	0.20.5
90	6B	0.23.0
90	7A	0.09.0
90	7B	0.09.0
90	8A	0.06.0
90	8B	0.12.5
90	8C	0.09.0
90	9	0.14.5

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	94	5	0.30.0
	94	6	0.60.5
	95	1A	0.10.0
	95	1B	0.31.5
	95	1C	0.28.5
	95	2A	0.55.0
	95	2B	1.06.0
	98	3	0.74.5
	98	4A	0.18.5
	98	4B	0.14.5
	98	4C	0.17.0
	98	4D	0.13.5
	Total		67.73.0

- ii) The Tahsildar, Ariyalur has reported that there are no permanent structures within a radial distance of 50 mts. from the boundaries of the applied area. The Village Administrative Officer and the public were enquired and there is no objection for grant of mining lease in the said patta lands. No land acquisition proposals are pending with Government in respect of the patta lands applied for mining lease. The Tahsildar has recommended for grant of mining lease for a period of 20 years.
- iii) The Assistant Director (G&M) has reported that the Limestone deposits found to occur in the area is of Marine sedimentary origin consists of shell Limestone. The Limestone is of buff to yellow in colour and powdery in nature. The Assistant Director has estimated the inferred reserves of Limestone as 3.25 Million tonnes for an effective area of 67.72.5 hec. for a depth persistence of 3.00 mtrs with a recovery of 80%. He has further estimated the inferred reserves of Marl as 2.84 Million tonnes for a depth persistence of 3.5 mts. with a recovery of 80%. The occurrence of Limestone and Marl in the area applied for mining lease

has been established and thereby it satisfies section 5 (2) (a) of Mines and Minerals (Development and Regulations) Act, 1957.

- iv) The patta lands applied for grant of mining lease form a compact and contiguous block and therefore relaxation under section 6 (1) (c) of Mines and Minerals (Development and Regulation) Act 1957 is not required.
- v) As per the affidavit furnished by the applicant company the total areas held under mining lease is over an extent of 781.54.0 hec. and it does not exceed 10 sq.kms. and therefore relaxation under section 6 (1) (b) of the Act is not required.
- vi) The applied area falls within the radius of 20 Kms. of the existing cement plant of Tvl.TANCEM, Kallankurichi and Tvl.Ultra Tech Cement Ltd., Reddipalayam. However, the applicant company is also having 3 major cement plants at Dindigul, Karur and Ariyalur districts. Therefore, the instructions contained in Government letter No.121 / Industries department dt.05.02.1988 are not applicable.
- vii) The lands applied for grant of mining lease do not fall under the villages covered under Hill taluks and therefore clearance from the Hill Area Conservation Authority is not required.
- viii) As per the report of the District Collector, there is no litigation pertaining to this area.

6. The Mining lease application was found to be in order and therefore the applicant company was communicated with the precise area over an extent of 67.73.0 hec. of patta lands in S.F.Nos.48/1A1, 48/1A2 etc., of Arungal village, Ariyalur taluk & district vide letter dated 01.06.2009 in the reference 5th cited under Rule 22 (4) of Mineral Concession Rules 1960 requesting the

applicant company to produce mining plan within a period of 6 months for approval of Indian Bureau of Mines and to produce two copies of approved mining plan incorporating mine closure plan as provided in the Rule 22 (5) (va) of Mineral Concession Rules 1960 subject to certain conditions.

7. In response to the precise area communicated, the applicant company has approached Indian Bureau of Mines for according approval of mining plan. The applicant company in their letter dt.25.08.2009 has submitted two copies of mining plan (incorporating progressive mine closure plan) approved by Indian Bureau of Mines vide Lr.No.TN/ALR/MP/LST&MARL-1742-SZ dt.18.08.2009.

8. The applicant company in their letter dated 14.7.2011 has produced a copy of Environmental Clearance issued by the Government of India, Ministry of Environment and Forests in respect of the mining lease proposal. The Government of India, Ministry of Environment and Forests in letter No.J-11015/206/2009-1A 11(M) dated 6.7.2011 has accorded Environmental Clearance in favour of the applicant company in respect of 67.73.0 hec. of patta lands applied for mining lease in Arungal village, Ariyalur taluk and District, subject to certain conditions.

9. Under the circumstances stated above, the mining lease application preferred by Tvl.Chettinad Cement Corporation Ltd., for Limestone & Marl over an extent of 67.73.0 hec. of patta lands in S.F.Nos.48/1A1, 48/1A2 etc., of Arungal village, Ariyalur taluk and district is considered for grant of mining lease in pursuance of the powers vested with Commissioner of Geology and Mining vide reference 8th cited and mining lease is granted in favour of Tvl. Chettinad Cement Corporation Limited for mining Limestone and Marl over an extent of 67.73.0 hec. of patta lands in S.F.Nos.48/1A1, 48/1A2 etc., of Arungal village, Ariyalur taluk and

district as listed out in the Annexure-I to this order for a period of 20 years as per section 8 (1) and 10 (3) of the Mines and Minerals (Development and Regulation) Act 1957 subject to the following conditions in addition to the other usual conditions stipulated in the Annexure-II to this order.

- a) A safety distance of 7.5 mts. should be left all along the boundaries of the area applied for mining lease.
- b) No hindrance shall be caused to the adjacent patta lands
- c) A safety distance of 10 mts. should be provided for the nallah passing on the northern and eastern end of the area applied for mining lease.
- d) The conditions stipulated by the Ministry of Environment and Forests, Government of India in Letter No.J-11015/206/2009-1A 11(M) dated 6.7.2011 have to be strictly adhered.
- e) The grantee should furnish financial assurance of Rs.6,15,250/- to the Regional Controller of Mines, Indian Bureau of Mines, Chennai before execution of lease deed as per the condition No.10 stipulated by the Indian Bureau of Mines in their letter No.TN/ALR/MP/LST&MARL-1742/SZ dated 18.8.2009.
- f) The grantee has to produce latest mining dues clearance certificates in respect of the leasehold areas in Ariyalur, Perambalur, Dindigul and Karur Districts before execution of mining lease deed.

10. The Period of mining lease shall take effect only from the date of registration of the executed lease deed, as stipulated in Rule 31 [2] of Mineral Concession Rules, 1960. The above grant is liable to be cancelled if it is found that it was grossly in equitable or was

made under a mistake of fact or owing to misinterpretation or or in excess of authority.

11. The royalty, dead rent and surface rent payable shall be at the rates prescribed from time to time under second schedule of Mines and Minerals (Development and Regulations) Act, 1957.

12. The Surface rent and water charges at such rates as the land revenue and other cesses assessable on the land shall be paid.

13. Mode of payment of royalty, dead rent and surface rent or any other levy that may be levied by the Government, from time to time and shall be paid without any deduction by the lessee.

14. Belated payment of any levy to the Government will be charged with interest at the rate specified in the Mineral Concession Rules, 1960.

15. The usual conditions appended to this order (Annexure) are subject to such further modifications and alteration as may be included in the lease deed when finalised.

16. The District Collector, Ariyalur District is requested to take necessary further action for execution of lease deed in the prescribed Form-I incorporating all the conditions specified in this order. As soon as the lease deed is executed and registered, the date of such execution and registration should be reported to the Government and the Commissioner of Geology and Mining and the District Collector should ensure that the lease deed executed is registered before commencement of mining operation. The District Collector is also requested to ensure the compliance by the lessee of the amended provisions of Mines and Minerals (Development and

Regulation) Act 1957, Mineral Concession Rules 1960, Mineral Conservation and Development Rules 1988, Mines Act 1952, Metalliferous Mines Regulations 1961, Environment and Forest Act and other Acts and rules including the Forest Conservation) Act 1980 in force.

Sd/- Atul Anand
Commissioner of Geology and Mining (i/c).

M. of Encl. 26/3/12
for Commissioner of Geology and Mining

6/8 26/3/12
To
Tvl.Chettinad Cement Corporation Ltd.,
Rani Seethai Hall Building,
603, Anna Salai,
Chennai - 600 006. - RPAD

- ✓ Copy to: The District Collector, Ariyalur (Enclosing a copy of the Approved Mining Plan furnished by the applicant company along with original mining lease application, Chalan and connected documents). Pages 1 to 450.
- Copy to: The Principal Secretary to Government, Industries Department, Secretariat, Chennai 600 009.
- Copy to: The Regional Controller of Mines, Indian Bureau of Mines, C4A Complex, Rajaji Bhavan, Besant Nagar, Chennai-90.
- Copy to: The Controller General of Mines, Indian Bureau of Mines, New Secretariat Building, Nagpur.
- Copy to: The Director of Mines Safety, Old No.46/New No.5, Second Street, Block-A, Annanagar, Chennai-600 040.
- Copy to: Stock File.



ANNEXURE - I

LIST OF PATTA LANDS GRANTED FOR MINING LEASE

District	Taluk	Village	Survey Number		Extent (in hecsts.)
Ariyalur	Ariyalur	Arungal	48	1A1	0.64.0
			48	1A2	0.25.0
			48	1A3	0.21.0
			48	1A4	1.01.0
			48	1A5	0.05.0
			48	1A6	0.08.5
			48	1A7	0.68.0
			48	1A8	0.22.0
			48	1B	0.58.5
			48	2A	0.45.0
			48	2B	1.04.5
			48	2C	0.02.5
			48	2D	0.20.0
			48	2E	0.20.0
			49	1A	1.28.5
			49	1B	0.02.0
			49	1C	0.12.0
			49	1D	0.28.0
			49	1E	0.32.0
			49	2	2.03.0
			49	3A	0.01.5
			49	3B	0.03.0
			49	3C	0.02.5
			49	3D	0.03.0
			49	3E	0.09.0
			49	3F	0.00.5
			49	3G	0.02.5
			49	4	0.21.5
			50	1	0.28.5
			50	2	0.50.5
			50	3A	0.24.0
			50	3B	0.20.5
			50	4A	0.28.0
			50	4B	0.24.0
			50	5	0.62.5
			50	6	0.28.5
			50	7A	0.14.0

50	7B	0.14.0
50	7C	0.16.0
50	7D	0.12.5
50	8A	0.22.0
50	8B	0.18.0
50	9	0.64.0
50	10	0.06.5
50	11	0.03.5
50	12	0.03.0
50	13A	0.00.5
50	13B	0.02.5
51	1	1.32.0
51	2	0.80.0
51	3	0.79.0
51	4	0.56.0
52	1	0.99.5
52	2	2.32.0
53	2	0.48.5
53	3	1.13.5
59	3	0.82.5
59	4	0.35.0
59	5	0.14.0
59	6	0.14.5
59	7	0.30.0
82	1B	0.76.5
82	1C	0.55.5
82	2A	0.60.5
83	1A	0.82.5
83	1B	0.61.5
83	1E	0.36.0
83	2	1.20.0
84	1	0.83.5
84	2A	0.08.0
84	2B	0.08.0
84	2C	0.08.5
84	2D	0.13.5
84	3	0.16.0
84	4	0.14.5
84	5A	0.14.0
84	5B	0.14.5
84	5C	0.13.5
84	6	0.78.5
84	7A	0.19.0
84	7B	0.19.0
84	7C	0.16.0

7C	0.14.0
7D	0.16.0
8A	0.12.5
8B	0.22.0
	0.18.0
	0.64.0
	0.06.5
	0.03.5

84	7D	0.25.5
84	8A	0.17.5
84	8B	0.26.0
84	9A	0.22.5
84	9B	0.31.5
84	9C	0.47.0
84	9E	0.39.0
84	9F	0.25.0
85	1A	0.31.5
85	1B	0.27.0
85	1C	0.36.5
85	1D	0.36.5
85	1E	0.41.5
85	2A	0.59.0
85	2B	0.44.5
85	2C	0.48.0
86	1	0.23.5
86	2	0.43.0
86	3	0.85.0
86	4	0.20.5
86	5	0.25.5
86	6	0.24.0
86	7	0.48.0
86	8	0.25.0
86	9	0.33.5
86	10	0.17.0
87	1	0.51.0
87	2	0.15.0
87	3	0.40.0
87	4	1.05.0
87	5	0.74.5
87	6	0.11.0
87	7	0.15.0
88	1A	0.19.5
88	1B	0.22.0
88	1C	0.19.0
88	1D	0.24.0
88	1E	0.22.0
88	1F	0.26.0
88	1H	0.30.5
88	2A	0.28.5
88	2B	0.27.0
88	3A	0.15.0
88	3B	0.11.0
88	3C	0.09.5

88	3E	0.56.5
88	3F	0.30.0
88	3G	0.15.5
88	3I	0.30.0
89	2	0.36.0
90	1	0.93.5
90	2	0.45.5
90	3	0.19.0
90	4	0.19.5
90	5A	0.17.5
90	5B	0.17.5
90	6A	0.20.5
90	6B	0.23.0
90	7A	0.09.0
90	7B	0.09.0
90	8A	0.06.0
90	8B	0.12.5
90	8C	0.09.0
90	9	0.14.5
90	10	0.09.5
90	11	0.12.0
90	12A	0.07.5
90	12B	0.08.5
90	13A	0.07.0
90	13B	0.08.5
90	14A	0.06.5
90	14B	0.08.5
90	15	0.12.5
90	16A	0.12.0
90	16B	0.13.5
90	17	0.25.0
90	18	0.24.5
90	19	0.30.5
91	1B	0.17.5
91	1C	0.36.5
91	1D	0.31.5
91	1E	0.23.5
91	1F	0.22.0
91	2A	0.09.0
91	2B	0.17.0
91	2C	0.05.0
91	2D	0.05.0
91	2E	0.18.5
91	2F	0.28.0
91	2G	0.26.0

0.56.5
0.30.0
0.15.5
0.0

91	3A	0.39.0
91	3B	0.34.0
91	4A	0.24.5
91	4B	0.24.5
91	4C	0.12.5
91	4F	0.08.0
92	1	0.71.0
92	3	0.09.5
92	4	0.07.5
92	5	0.41.5
92	6	0.08.5
92	7	0.16.0
92	8	0.09.0
92	9	0.33.0
92	10	0.38.0
94	1	0.45.0
94	2	0.66.0
94	3	1.26.0
94	4	0.29.0
94	5	0.30.0
94	6	0.60.5
95	1A	0.10.0
95	1B	0.31.5
95	1C	0.28.5
95	2A	0.55.0
95	2B	1.06.0
98	3	0.74.5
98	4A	0.18.5
98	4B	0.14.5
98	4C	0.17.0
98	4D	0.13.5
Total		67.73.0

Sd/- Atul Anand
Commissioner of Geology and Mining (i/c).

M. G. M. S.
26/3/12
for Commissioner of Geology and Mining

File
26/3/12

d/rant/MM1/10047/2008/G3

Annexure-II

Usual conditions

1. The transport permit (with despatch slip, if necessary in lieu of bulk permits) may be issued at the request of the lessee on collection of royalty for the quantity of mineral mined from the leasehold area and ready to be transported. No bulk permit for larger quantity in anticipation of mining of the minerals should be issued, as this may lead to advance collection of royalty which has been objected to by Government of India, unless the lessee is willing to pay in advance for his own convenience. The accounts relating to the collection of actual royalty or dead rent should be reconciled at the end of the financial year on or before 10th of April for the preceding financial year.

2. The lessee shall pay before the expiry of the lease or sooner determination by either part of amount equal to the annual dead rent or such high amount as may be fixed by the Collector of the District at his discretion as compensation for damage to the land covered by the lease:

3. The lessee shall not fell trees, if any, without the previous permission of the District collector if it is found that he has cut any trees without such permission the value of such trees etc., shall be paid by the lessee at the rates fixed by the District Forest Officer, together with a compounding fee subject to a maximum of ten times the value of the said trees; without such permission he shall pay the value of the trees.

4. The lessee shall not operate on the surface of any area prohibited by any authority by laying roads, erecting building, machinery etc. without the previous permission of such prescribed authority of the State Government.

5. The lessee shall not use the land for surface occupation without giving proper notice to the Collector.

6. The lessee shall provide and shall keep at all times at or near the pit head full equipment of weighing machine of modern type to the satisfaction of the District Collector for weighing the minerals collected by him;

7. The lessee will exercise the liberties and powers hereby granted in such manner as to offer no un-necessary or reasonably avoidable obstruction or interruption to the development and working within the said lands of any minerals not included in this lease and shall at all times afford to the Central or State

Government and to the holder of prospecting licences leases in respect of any such minerals or any minerals within the said lands as the case may be require means of access and safe and convenient passage upon and over the said lands to such minerals for the purpose of getting, working, developing and carrying away the same; provided that the lessees shall receive reasonable compensation for any damage or injury which he/they may sustain by reason or in consequence of the use of such passages by such lessees or holder of Prospecting Licence.

8. The lessee shall take such precautions as are necessary to secure pits and shafts by putting up wire fencing or such other protection to the satisfaction of the Collector to prevent accidents;

9. That on the occurrences of any accident the lessee shall report such accident immediately to the nearest police station, the nearest factory Inspector and the Labour Commissioner.

10. The lessee shall execute an indemnity bond to the Government against the claims of third parties.

11. The lessee will at the expiration or sooner determination of the said term deliver upto the Government all mines, pits shafts, including drifts levels, waterways, airways, and other work (now existing) thereafter to be sunk or made under the said lands (except such as may have been "abandoned with the sanction of the Government or in any ordinary and fair courses of working" and all (engine, machinery, plant, buildings, structure and other work and conveniences which at the commencement of the said terms were upon or under the said lands and all) Engines, Machinery, Plant and fixtures setup by the lessee below ground levels which cannot be removed without causing injury to all mines or works under the said lands (except such of the same as may with the sanction of the Governor have become disused) and all building and structures of brick or stone executed by the lessee above ground level in good repair order and condition and fit in all respects for further working of the said minerals.

12. If after the determination of the lessee there shall remain in or upon the said land any engines, machinery, plant, buildings, structures, transways, railways and other works, erections, and conveniences of minerals or mineral ores or other property which the lessee is entitled to remove from the land, the same shall, if not removed by the lessee within one calendar month after notice in writing requiring their removal is given to the lessee by the Collector be deemed to become the property of the Government of Tamil Nadu and may be sold in such manner as they

shall be deemed fit without liability to pay the compensation or to the lessee in respect thereof.

13. In the event of existence of state of war or of grave national emergency (of which the President of India shall be the sole judge) and a notification to this effect in the Gazette of India shall be conclusive proof. The Governor after notice in writing to the lessee under the hand of any Secretary to Government of his intention so to do may forthwith taken possession or assume control of the works, plant and machinery and premises of the lessee at or in connection with the said mines and may pre-empt at prices fixed by the Governor all the minerals and all products thereon extracted from or lying upon the said mines during such a possession or control and the lessee shall confirm and obey all directions given by or on behalf of the Governor regarding the use of employment of such works, plants, premises provided that a fair compensation which shall be determined by the Governor and shall be paid to the lessee for all losses or damage sustained by reasons or in consequences of the exercise of the powers shall not determine the said terms hereby granted or affect the terms and provisions of these presents further than may be necessary to give effect to the provisions of this clause.

14 (a) The lessee shall not enter upon or commence prospecting or mining operations in any reserve forest situated upon the said land without thirty days previous notice in writing to the District Forest Officer nor without obtaining any written sanction of that officer nor otherwise than in accordance with such conditions as that officer may in his absolute direction prescribed.

[b] The area within the reserved forest limits must be demarcated by a declared fire line of 40 feet width which will be cut and kept cleared by the Forest Department at the expense of the lessee;

(c) The lessee must at all times permit the forest Department to enter upon the land for the purpose of maintaining or repairing existing boundary lines within the area, and must pay the cost of such maintenance of repair as determined by the District Forest Officer;

[d] The lessee must take suitable precautions to prevent fire from spreading into the adjoining reserve forest from the land and if such fires accidentally occur he must render all possible assistance in putting them out;

(e) The lessee shall not cut any trees or growth on the areas granted in excess of 20 percent of the number of trees on the whole areas under the leases without the previous permission of the

District Forest Officer, and the value of such trees etc. paid for the lessee at the rate to be fixed by District Forest Officer. He must not deface or interface with any boundary stone or mark. If any boundary mark is accidentally damaged he must bring the matter immediately to the notice of the Range Officer.

15. The lessee shall keep the stock of beryl or any other prescribed substance under Section 3 of the Atomic Energy Act No. XXIX of 1948, if they occur in the property covered by the lease with a view to making them available to the Government of India.

16. Quarterly and Annually returns should be submitted in the prescribed format by the Owner (lessee) Agent or manager of the mines to the Directorate of General of Mines Safety, Oorgaum Region, Oorgaum and to the respective officers.

Sd/- Atul Anand
Commissioner of Geology and Mining (i/c).

m. g. f. w.
22/3/12
for Commissioner of Geology and Mining

5/12
26/3/12

Refilling Area