

CCCPL/TN/SEN /EC Compliance/ Oct'2022 - Mar'2023/22-23/

29th May 2023

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 & Compliance Report (Oct'2022 - Mar'2023) –
Chettinad Cement Corporation Private Limited – Sendurai Limestone Mine (21.925 ha) at
Sendurai Village, Sendurai Taluk, Ariyalur District, Tamilnadu

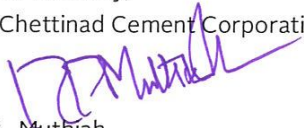
Ref. Environmental Clearance granted by SEIAA, Tamilnadu vide Letter No: SEIAA/TN/F-605/EC/I
(a)/1563/2012 dated 27th Oct 2014

We enclose herewith the Six Monthly Environmental Clearance Compliance & Environmental
Monitoring reports, as detailed below, for the Sendurai Limestone Mine (21.925 ha) located at
Sendurai Village, Sendurai Taluk, Ariyalur District, Tamilnadu for the period from
Oct'2022 - Mar'2023.

- a. Environmental Clearance Compliance Report Annexure 1
- b. Environmental Monitoring Report comprising of
 - i. Ambient Air Quality Monitoring - Consolidated Report - Annexure 2
 - ii. Noise Level Monitoring - Consolidated Report - Annexure 3
 - iii. Ground Water Quality Monitoring Report- Annexure 4
 - iv. Environment & Safety Management Cell Committee – Annexure 5
 - v. TNPCB AAQ survey report – Annexure 6
 - vi. Ban Plastic Awareness – Annexure 7

Kindly Acknowledge the receipt of the same.

Yours faithfully,
for Chettinad Cement Corporation Private Limited


 R. P. Muthiah
Vice President (Works)

Copy to :

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

Chettinad Cement Corporation Private Limited

Ariyalur Trichy Road, Keelapalur Post,
Ariyalur Dist - 621707, Tamilnadu, India.
T + 91 4329 250009
F + 91 4329 250011, 250013

CIN : U93090TN1962PTC004947

Regd. Office : Chettinad Towers,
603, Anna Salai, Chennai - 600 006.
T + 91 44 2829 2727, 42951800 (100 lines)
F + 91 44 2829 1558

E : ariyalur@chettinadcement.com
www.chettinad.com

Chettinad Cement Corporation Private Limited

Sendurai Limestone Mine

Sendurai Village, Ariyalur Taluk & District, Tamilnadu

Environmental Clearance (EC) Compliance Report (October-22 to March-23)

(Environmental Clearance granted vide Letter No:SEIAA/TN/F-605/EC/1 (a)/

1563/2012 Dated 27.10.2014

Fora Mining Capacity of 0.33 million ton per annum & Mining Lease Area of 21.925 ha)

Part A - Conditions for Pre-Construction Phase

S.No	Condition (Pre-Construction Phase)	Compliance Status
i.	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project had been accorded environmental clearance and copies of clearance letter are available with the TNPCB and may also be seen at website of the SEIAA, TN at http://seiaa.tn.gov.in and a copy of the same should be forwarded to the Regional Office of the MoEF located at Chennai.	Complied. Advertised in English (New Indian Express) and in Tamil (Dinamani) on 08.11.2014. The advertisement was made within 7 days from the date of receipt of the clearance. The copies of advertisement were submitted to the Regional Office of the MoEF & CC, Chennai.
ii.	A copy of the clearance letter shall be sent by the proponent to concerned panchayat, Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put in the website of the Company by the proponent.	Complied. A copy of the Environmental Clearance letter was sent to Sendurai Panchayat on 10.11.2014. The EC letter had been uploaded in the company website (https://www.chettinad.com/cement_plants.php?site=Ariyalur)
iii.	Consent to Establish shall be obtained from the Tamil Nadu Pollution Control Board (TNPCB) before start of establishment of the project and also before commencement of production.	Complied. Consent for Establishment and Consent for Operation had been obtained from TNPCB on 21 st Apr '15 and 25 th May '17. Production was commenced on 19.08.2017.

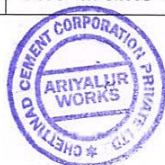


S.No	Condition (Pre-Construction Phase)	Compliance Status
iv.	Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the SEIAA,TN and the Regional Office of the MoEF at Chennai within 3 months.	There is no forest/protected area in the vicinity of ML area. Hence, monitoring of scheduled species of flora and fauna does not arise.
v.	The company shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard Operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non - Compliance / violation of environmental norms to the Board of Directors of the company and /or stakeholders or shareholders.	Complied. The copies of Corporate Environmental Policy (CEP) and the salient features of the CEP were submitted to MoEFCC, Delhi and the Regional Office of the MoEFCC, Chennai. We also have IMS system (Integrated Management System) in which Quality, Energy, Environment, and Occupational Health & Safety System were covered.
vi.	The project authorities should inform to the Regional Office of the MoEF located at Chennai regarding date of financial closures, the final approval of the project by the concerned authorities and the date of start of land development work.	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& CC, Chennai does not arise. The land development work commenced on 05 th Apr.2017.
vii.	An Environmental Cell comprising of at least one expert in environmental science / engineering, occupational health and social scientist, shall be created preferably at the project site itself and shall be ensured that the Head of the Cell shall Directly report to the head of the organization who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	Complied. A separate Environmental Cell was formed to address EHS function and the Head of the Cell is being directly reporting to the Head of the Organization for complying with environmental regulations and implementing pollution control measures. EMC team is enclosed as Annexure-5



Part B - Conditions for Construction Phase

S.No	Condition (Construction Phase)	Compliance Status
i.	Plantation shall be raised including a 7.5 m wide greenbelt in the safety zone around the mining lease, OB dump(s) along the roads, etc. by planting the native species in consultation with the local DFO/Agriculture Department. In addition, plantation shall also be raised in the backfilled and reclaimed area and around water body. The density of the tree should be around 2000 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	<p>Complied.</p> <p>The greenbelt development was carried out in the 7.5 m safety zone along the boundary of Mining Lease Area, along the roads, etc. by planting the native species in consultation with the local DFO/Agriculture Department. For the stabilization of the over burden, the slopes terraced with grass, legumes etc.,</p> <p>The plantations were raised in the backfilled and reclaimed area. The density of the trees around 2000 plants per ha. 2650 saplings were planted during October'22-March-2023.</p> <p>Greenbelt Development Details</p> <p>ML Area : 21.925 ha.</p> <p>Greenbelt Area</p> <p>During Mining Plan period : 0.70 ha</p> <p>Saplings planted so far : 13220</p> <p>Extent of existing greenbelt area : 6.94ha</p> <p>Tree Density : 2000 /ha</p> <p>Variety of Saplings Planted</p> <ol style="list-style-type: none"> 1. Pungan 2. Neem 3. Pelta 4. Pouvarasa 5. Illupai 6. Teak <p>Greenbelt Development Plan</p> <p>Greenbelt development is being carried out progressively. Herbs and shrubs are being developed.</p>
ii.	Garland drains, catch drains, check dams and siltation ponds of appropriate size shall be constructed for the working pit, temporary OB and mineral dumps to prevent runoff water and flow of silt / sediments. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de silted particularly after the monsoon and	<p>Complied.</p> <p>Garland drains and catch drains (size: 120m x 1.5m x 1.5m) had been constructed for the working pit and OB dump to prevent runoff water and flow of silt/sediments. The rainwater is being diverted to the siltation sump. After settling, the collected rainwater is being utilized for watering the Mine Area, Roads, Greenbelt etc.</p> <p>The drains are being regularly desilted after</p>



S.No	Condition (Construction Phase)	Compliance Status
	maintained properly.	every monsoon and maintained properly.
iii.	Dimension of the retaining wall at the toe of the OB dump(s) and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.	Complied. A bund had been provided all around the OB dump. Garland drains and siltation sumps are being provided to arrest the flow of sediments. After settling, the collected rainwater is being utilized for watering the Mine Area, Roads, Greenbelt etc.,
iv.	The project authority shall implement suitable water conservation measures including rain water harvesting system to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Complied. The rainwater collected in the sump at the bottom most bench of the Mine Pit, which helps to augment ground water resources in the area.
v.	The effective safeguard measures shall be provided to control particulate dust level in critical areas, transfer points and the haul road within the mine area.	Complied. Water sprinkling is being done on haul roads, loading areas etc. at frequent intervals to control fugitive dust emission.
vi.	Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas, including all the transfer points, shall also have efficient dust control arrangements. These shall be properly maintained and operated.	Complied. The activities viz., mineral handling, loading and unloading are envisaged during mining operation. While carrying out mining operations, water sprinkling arrangements are being provided at frequent intervals to suppress the dust at mineral handling area and loading & unloading areas.
vii.	The project proponent shall obtain necessary prior permission from the competent authorities for withdrawal of ground water, required for the project.	Complied. At present, the mining activity has not intersected the ground water table. Hence, NOC from Water Resource Department, Tamilnadu is not applicable at this stage.
viii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied. Local labourer were engaged to construct Office Room, Toilet & Septic Tank for the Mine employees. Hence, housing provision is not envisaged. However safe drinking water and health care were ensured for the labourer.



S.No	Condition (Construction Phase)	Compliance Status
ix.	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed, CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	Complied. CSR Committee was formed, which includes Local Panchayat Chairman, Villagers and Company Representatives. CSR activities are being periodically monitored by the CSR Committee. Evaluation of CSR activities by an independent external agency also ensured.

Part C - Conditions for Post Construction Phase/Operation Phase

S.No	Condition (Post Construction Phase/Operation Phase)	Compliance Status
i.	Open-cast fully mechanized mining method shall be adopted as reported for the mining of Limestone.	Complied. Open-cast, fully mechanized mining method is being adopted for mining of Limestone.
ii.	Drills shall either be operated with dust extractors or equipped with water injection system.	Not applicable. Non- conventional mining method is being adopted. No drilling and blasting are involved.
iii.	Controlled blasting shall be practiced. The mitigative measures for control of ground vibration and to arrest fly rocks and boulders should be implemented.	Not applicable. No drilling and blasting activities are involved.
iv.	Blasting shall be carried out using optimum burden, charge and milli-second delay detonators.	Not applicable. No blasting is being practiced.
v.	The optimum charge for blasting shall be determined based on vibration study. Blasting operation shall be carried out only during the day time. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Not applicable. No blasting is being practiced.
vi.	The ground vibration generated by blasting during mining operation shall be within the standards prescribed by DGMS for controlled blasting.	Not applicable. No blasting is practiced.
vii.	Ground vibration shall be periodically monitored during blasting using a Minimate Seismograph.	Not applicable. No blasting is practiced.



S.N o	Condition (Post Construction Phase/Operation Phase)	Compliance Status
viii.	The impacts shall be minimized by choosing proper detonating system, optimizing total charge and charge/delay, use of Non-electric system of blasting etc.	Not applicable. No blasting is practiced.
ix.	Mine working shall be restricted up to 15.5 m below ground level as per the mine plan period.	Complied. Mine working is restricted up to 15.5 m below ground level as per the approved Mining Plan.
x.	The mine working should not intersect ground water table during the mine plan period. For working below water table, necessary prior permission shall be obtained from MoEF for which clearance from CGWA for pumping of ground water and detailed hydro-geological study will be a pre-requisite.	Complied. No intersection of below ground water table during the Mine Plan Period. If there is a need to work below the water table, necessary prior permission will be obtained from MoEF & CC, & Water Resources Department, Tamilnadu.
xi.	The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The top soil shall be used for land reclamation and plantation.	Complied. The top soil is being stored at earmarked site only and the same is being used for plantation.
xii.	The over burden (OB) generated during the mining operation shall be stacked at earmarked dump site (s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. Proper terracing of OB dump(s) shall be carried out. The over burden dump(s) shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dumps. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining, Compliance status should be submitted to the SEIAA, IN and the Regional Office of the Ministry of Environment and Forest (MoEF), Chennai on six monthly basis.	Complied. The over burden (OB) generated during the mining operation is being stacked at earmarked dump site and routinely filled in the mined out area. Proper terracing of OB dump(s) are being carried out. The over burden dump(s) scientifically are being vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas are being continued till the vegetation becomes self-sustaining. Compliance status were submitted to the SEIAA, TN and the Regional Office of the Ministry of Environment, Forest & Climate Change (MoEF & CC), Chennai on six monthly basis.
xiii.	The loose solids should be kept separately from flowing water and flow of effluents to nearby areas outside the leasehold shall be prevented. These paved drains along with arrangements for overburden dumps and their	Complied. Garland drains/trenches and siltation sump had been provided to ensure that solid particles are separated from the water flow.



S.N o	Condition (Post Construction Phase/Operation Phase)	Compliance Status
	drainage may be clearly depicted on a contour map of the mining area.	<p>The domestic effluent generated is being treated in septic tank, followed by dispersion trench. No generation of effluent from mining activities.</p> <p>The garland drains around the over burden dumps are clearly depicted on the contour map of the Mining Lease.</p>
xiv.	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the 1st and 2nd order streams, emanating or passing through the mine lease during the course of mining operation.	<p>Complied. No natural watercourse and water resources were obstructed due to any of the mining operations.</p> <p>No water streams are emanating or passing through the ML Area.</p>
xv.	Appropriate measures shall be taken for treatment of the upper catchment of the mine lease area.	<p>Complied. Garland drains/trenches and siltation sump have been provided to ensure that solid particles are separated from the water flow.</p>
xvi.	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and all transfer points.	<p>Complied. Regular water sprinkling is being carried out in areas prone to air pollution such as mining area, loading & unloading areas, topsoil & over burden unloading areas, haul roads within the Mining Lease Area etc., No crusher, screening plant, or conveyors and transfer points are present within the Mining Lease Area.</p>
xvii.	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral within the lease area. The mineral transportation within the mine lease area shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	<p>Complied. The vehicles entering in the mine are checked at the entrance for Pollution under control Certificate. Proper maintenance of vehicles are being carried out in the mining operations and in transportation of mineral within the lease area. Vehicles transporting limestone from mines to factory are being covered with tarpaulin properly so as to arrest the dust particles/fine matters escaping during the course of transportation. No overloading is being done.</p>



S.No	Condition (Post Construction Phase/Operation Phase)	Compliance Status
xviii.	Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Complied. Regular water sprinkling at frequent intervals being carried out on haul roads. The Ambient Air Quality parameters are within the limits prescribed by the Central Pollution Control Board.
xix.	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Complied. Fugitive dust emissions from all the sources are regularly being controlled. Water spraying is being done on haul roads, loading and unloading points. The water sprinkling arrangement is being maintained well to ensure its effectiveness.
xx.	Measures shall be taken for control of noise levels as per norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	Complied. Preventive measures like silencers, greenbelt along the boundary of ML Area are being provided and good maintenance of Mining Machinery & Vehicles are being ensured for noise control. Ear plug/Muffs are being provided to the operators of HEMM.
xxi	Industrial waste water (workshop and waste water from mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Complied. No generation of industrial effluent from mining operation. No workshop within ML Area. Hence, treatment system is not envisaged.
xxii.	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. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Complied. Personal Protective Equipments (PPE) are being issued to the Mines Personnel and the usage of the same by them is also being ensured. Adequate training and information on safety & health aspects are being given to the Personnel working in the Mine. Occupational health surveillance program of the workers were undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.



S.N o	Condition (Post Construction Phase/Operation Phase)	Compliance Status
xxiii.	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For this purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Complied. Pre-Placement and periodical Medical Examinations are being carried out and records are being maintained. Schedule of Health Examination for the Workers were drawn and followed accordingly.
xxiv.	Regular medical check-up for mine workers and nearby residents around the project site involving community medical centre / NIMH shall be conducted.	Complied. Regular medical check-up for Mine Workers and nearby Community around the mines were conducted and records were maintained.
xxv.	The company shall stress upon the preventive aspects of occupational health.	Complied. OHS training is given to create awareness on occupational health and follow the precautions to prevent incidences and records are maintained
xxvi.	The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.	Complied. The commitments made during the public hearing to address the concerns raised by the locals in the public hearing as well as during consideration of the project are being implemented.

Part D - Conditions for Entire Life of the Project

S.N o	Condition (Entire Life of the Project)	Compliance Status
i.	Regular monitoring of water quality upstream and downstream of perennial nallahs falling in the impact zone shall be carried out and record of monitoring data should be maintained and submitted to SEIAA, TN, the Regional Office of the MoEF, Chennai, Central Groundwater Authority, Regional Director, Central Ground Water Board, Tamilnadu Pollution Control Board and Central Pollution Control Board.	Complied. No perennial nallahs are falling in the impact zone. Hence, monitoring of water quality upstream and downstream is not envisaged.
ii.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring (at least four times in a year-pre-monsoon (April-May), monsoon (August), post-monsoon	Complied. The regular monitoring of ground water quality is established on quarterly basis with a network of existing wells and piezometers borewells. The periodic monitoring, four times in a year,



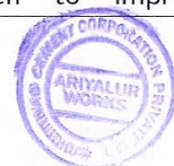
S.N o	Condition (Entire Life of the Project)	Compliance Status
	(November) and winter (January); once in each season) shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the SEIAA, TN and the Regional Office of the MoEF, Chennai, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	once in each season is being carried out through NABL accredited laboratory viz., SMS Labs in consultation with State Ground Water Board/Central Ground Water Authority and the data collected regularly is being submitted to the SEIAA, TN and the Regional Office of the MoEF& CC, Chennai, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. At present, the mining activity has not intersected ground water table.
iii.	Depth of water table of the wells located inside the mining area and wells located around the monitoring area shall be monitored regularly.	Complied. There are no bore wells/open wells inside the ML Area. Further there is no extraction of ground water. At present, the mining activity has not intersected ground water table. Piezometers are installed to monitor ground water table. Periodical monitoring of surface and ground water are being carried out through NABL accredited laboratory viz., SMS Labs and as per the report, the values are within limit. The reports are being submitted once in 6 months to MoEF&CC, and RO, Chennai.
iv.	Monitoring of well water levels and water quality of the wells in the locations furnished in the EIA report shall be done during pre monsoon and post monsoon period and results submitted to the Regional Office of the MoEF, Chennai and SEIAA, TN.	Complied. Regular monitoring of well water levels and water quality of the wells in the locations furnished in the EIA reportensured during pre-monsoon and post monsoon period through NABL accredited laboratory viz., SMS Labs and the data collected regularly submitted to the Regional Office of the MoEF& CC , Chennai and SEIAA, TN.
v.	Regular monitoring of free Silica in the dust will be carried out and records maintained. It shall be ensured that the levels of silica do not exceed the prescribed limit. The workers will be provided with personal protective measures to guard against inhaling silica dust.	Complied. Regular monitoring of free Silica in the dust is being carried out through NABL accredited laboratory viz., SMS Labs and the records are maintained and as per the report, the values are within limit. The workers are provided with personal protective equipment to guard against inhaling silica dust.



S.No	Condition (Entire Life of the Project)	Compliance Status
vi.	<p>The critical parameters such as RSPM (PM 25, PM 10) and Nox in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored (TDS, DO, PH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, Govt. Of India, New Delhi which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.</p>	<p>Complied.</p> <p>During mining operations, the periodical parameters such as PM_{2.5}, PM₁₀ and NOx in the ambient air within the impact zone, peak particle velocity at 300m distance monitored periodically through NABL accredited laboratory viz., SMS Labs and as per the report, the values are within limit.</p> <p>The reports are being submitted once in 6 months to RO, MoEF&CC, Chennai and SEIAA, Chennai.</p> <p>The domestic effluent generated is being treated in septic tank, followed by dispersion trench. There is no generation of effluent from mining. The monitored data uploaded on the website of the company as well as displayed on a display board at the project site near the main gate of the company in public domain.</p>
vii.	<p>The proponent shall conduct Ambient Air Quality Monitoring Survey once in 6 months in the location furnished in the Environmental Impact Assessment Report and furnish the report to the Regional Office of the MoEF, Chennai and SEIAA, TN.</p>	<p>Complied.</p> <p>Ambient Air Quality Monitoring is being conducted at four locations through NABL accredited laboratory viz., SMS Labs and the reports are being submitted once in 6 months to RO, MoEF&CC, Chennai and SEIAA, Chennai. As per the report, the values are within limit.</p>
viii.	<p>At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (PM_{2.5}, PM₁₀) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the Tamilnadu Pollution Control Board.</p>	<p>Complied.</p> <p>Ambient Air Quality Monitoring is being conducted at four locations through NABL accredited laboratory viz., SMS Labs and the reports are being submitted once in 6 months to RO, MoEF&CC, Chennai and SEIAA, Chennai. As per the report, the values are within limit.</p>
ix.	<p>Data on ambient air quality [RSPM (PM 25, PM10) and NOx] should be regularly submitted to the SEIAA, TN including the Regional office of the MoEF located at Chennai and the TNPCB / CPCB once in six months.</p>	<p>Complied.</p> <p>Ambient Air Quality Monitoring data were carried out through NABL accredited laboratory viz., SMS Labs are being submitted once in 6 months to RO, MoEF&CC, and SEIAA, Chennai. As per the report, the values are within limit.</p>



S.No	Condition (Entire Life of the Project)	Compliance Status
x.	Monitoring of water quality and air quality in and around the project site in the selected monitoring points as mentioned in the EIA report shall be continued regularly involving Academic Institutions.	Complied. The water quality and Air quality in and around the project are being monitored as mentioned in the EIA report.
xi.	The project proponent shall take all precautionary measures during mining operation for conservation and protection of scheduled species of flora as well as fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	Complied. There is no forest/protected area in the vicinity of ML area. Hence, monitoring of scheduled species of flora and fauna does not arise.
xii.	Scheduled species of fauna found in the study area shall be monitored closely and a plan shall be prepared and implemented for their conservation.	Complied. There is no forest/protected area in the vicinity of ML area.
xiii.	Annual monitoring on Bio-diversity around the project site shall be conducted and a report shall be furnished.	Complied. Annual monitoring on Bio-diversity around the project site was conducted and a report was furnished.
xiv.	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the SEIAA, TN in advance of 5 years prior to the final mine closure for approval. Mine closure procedure shall be followed as per the approved Mining Plan.	A Final Mine Closure Plan along with details of Corpus Fund will be submitted to the SEIAA, TN, 5 years in advance, prior to the final mine closure for approval. Mine Closure procedure will be followed as per the approved Mining Plan.
xv.	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, TN and the Regional Office of the MoEF located at Chennai.	Complied. The funds earmarked for environmental protection measures are being kept in separate account. The expenditures incurred towards the environmental protection measures are reported to SEIAA, TN and Regional office of the MoEF, Chennai.
xvi.	CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also	Complied. CSR schemes identified and assessed based on the needs are being implemented in consultation with the CSR Committee and the District Administration. Technical training to youth in the nearby areas are being given to improve their



S.No	Condition (Entire Life of the Project)	Compliance Status
	undertaken. Company shall provide separate budget for community development activities and income generating programme.	employment potential. As Mine's man power requirement are very limited, the possibility of eventual employment in the project is very less. A separate budget for community development activities are allotted for income generating programmes.
xvii.	CSR activity shall include providing social & welfare measures for the local residents & nearby villages around the mine area. It shall focus on providing water supply and sanitation facility to the nearby government schools around the mine area and maintenance of village roads, ponds, providing solar street lights etc. Funds earmarked for CSR activity shall be used for that purpose only and separate account shall be maintained and report on implementation shall be furnished regularly.	Complied. CSR activities, that are being carried out by the company include providing social & welfare measures for the local residents & nearby villages around the ML Area. The various CSR activities like water supply, sanitation facility, maintenance of village roads, ponds etc. are being taken up in consultation the District Collector and the CSR Committee. Funds earmarked for CSR activity is being kept as a separate account and report on implementation was furnished regularly.
xviii.	The project proponent shall also comply with all environmental protection measures and safeguards proposed in the EIA/EMP report. Further, the Company must undertake socio-economic development activities in the surrounding villages like community development programme, educational programme, drinking water supply and health care, etc.	Complied. All environmental protection measures and safeguards proposed in the EIA/EMP report are being implemented. Also, the socio-economic development activities in the surrounding villages like community development programme, educational programme, drinking water supply, health care activities, etc. are being taken up in consultation the District Collector and the CSR Committee.
xix.	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Complied. The CSR activities like free potable drinking water supply to the nearby villages and schools are being taken up in consultation the District Collector and the CSR Committee.
xx.	All stipulations made by TNPCB & State Government shall be strictly complied with.	Complied. The stipulations made by TNPCB & State Government are being complied with.
xxi.	The Regional Office of the MoEF located at Chennai shall monitor compliance of the stipulated conditions. The project authorities	Agreed to comply. Full cooperation to the officer (s) of the Regional Office of MoEF & CC, Chennai will be



S.No	Condition (Entire Life of the Project)	Compliance Status
	should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	extended by furnishing the requisite data / information / monitoring reports.
xxii.	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA, TN the Regional Office of the MoEF, Chennai, the respective Zonal Office of Central Pollution Control Board and the Tamilnadu Pollution Control Board.	Complied. The six monthly reports on the status of compliance of the stipulated environmental clearance conditions is being submitted to the SEIAA, TN, the Regional Office of the Ministry of Environment and Forests, Chennai, the Zonal Office of Central Pollution Control Board, Bengaluru and the Tamilnadu Pollution Control Board periodically.
xxiii.	The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Chennai, the respective Zonal Officer of Central Pollution Control Board and the Tamilnadu Pollution Control Board.	Complied. The status of compliance of the environmental clearance conditions is being uploaded in the company website. The same is simultaneously sent to Regional Office, MoEF&CC, Zonal Office of CPCB and TNPCB.
xxiv.	The environmental statement for each financial year ending 31st March in Form - V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Officer of the Ministry of Environment and Forests, Chennai by e-mail.	Complied. The environmental statement for year ending 31 st March 2023 in Form V submitted on 25.05.2023 to the Tamilnadu Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. The same will be put on the website of the company and will also be sent to the respective Regional Officer of the Ministry of Environment, Forest & Climate Change, Chennai by e-mail. The status of compliance of Environmental Clearance conditions is being uploaded on the company website.
xxv.	No change in mining technology and scope of working should be made without prior approval of the SEIAA, TN.	Agreed to Comply. No change in mining technology and scope of working will be made without approval of the SEIAA, TN.
xxvi.	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Agreed to Comply. No change in the calendar plan including excavation, quantum of mineral Limestone and



S.No	Condition (Entire Life of the Project)	Compliance Status
		waste will be made.
xxvii.	The environmental clearance does not absolve the Applicant/proponent of his obligation/requirement to obtain other statutory and other administrative clearance from the concerned statutory and administrative authorities.	Agreed to Comply. The condition is noted and assured to abide by this condition.
xxviii.	Environmental Clearance is being issued without Prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.	Agreed to Comply. The condition is noted and assured to abide by this condition.
xxix.	The SEIAA, Tamilnadu may alter/ modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed to Comply. The condition is noted and assured to abide by this condition.
xxx.	The SEIAA, TN reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Agreed to Comply. The condition is noted and assured to abide by this condition.
xxxi.	The SEIAA, TN reserves the right to revoke or suspend the Environmental clearance, if conditions stipulated are not implemented to the satisfaction of the SEIAA, TN	Agreed to Comply. The condition is noted and assured to abide by this condition.
xxxii.	Environmental Clearance is issued based on the details furnished as above. Concealing of actual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (protection) Act, 1986.	Agreed to Comply. The condition is noted and assured to abide by this condition.
xxxiii.	The Environmental Clearance is valid for the period as that approved in the precision area communication by the Commissioner of Geology & Mining, Guindy dated 25.02.2011 for a period of 20 years.	Agreed to Comply. The condition is noted and assured to abide by this condition.



S.N o	Condition (Entire Life of the Project)	Compliance Status
xxxiv.	The above conditions will be enforced inter-alia under the provisions of the Water (Prevention& Control of Pollution) Act 1974, the Air (Prevention& Control of Pollution) Act 1981, Environment (Protection Act) 1986, the Public Liability Act,1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ Madras High Court or any other Court of Law relating to the subject matter.	Complied We had obtained consent for establishment from Tamilnadu Pollution Control Board under Air (Prevention and control of pollution) Act, 1981 and Water (Prevention and control of pollution) Act,1974 vide proceedings dated 21.04.2015. Further, the Consent to Operate from TNPCB under Air (Prevention and control of pollution) Act, 1981 and Water (Prevention and control of pollution) Act, 1974 vide proceedings No.F.0231ARY/RS/DEE/TNPCB/ARY/A/2020& No.F.0231ARY/RS/DEE/TNPCB/ARY/W/2020 Dated 04.06.2020 valid up to 31 st March 2025.
xxxv.	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of National Green Tribunal Act 2010.	Agreed to Comply. There is no appeal lying with National Green Tribunal (NGT) against this Environmental Clearance as on date.

For Chettinad Cement Corporation Private Limited

R.P. Muthiah
Vice President (Works)



ANNEXURE 2

Chettinad Cement Corporation Private Limited -Sendurai Limestone Mine													
Sendurai Village , Ariyalur District, Tamilnadu State													
Ambiant Air Quality Monitoring- Consolidated Report (Oct 2022 -Mar 2023)													
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	Sendurai Mines -Mines Office	67.8	61.7	64.4	32.6	28.2	30.6	11.5	10.3	11.0	24.6	21.5	23.2
2	Labour Shed	67.8	63.8	65.6	34.3	31.1	32.6	11.9	10.2	11.3	26.1	21.7	23.7
3	Sendurai	59.9	56.7	58.8	27.7	25.6	26.6	9.5	8.4	9.0	20.5	18.0	19.3
4	Villupuram Village	63.3	56.1	58.9	29.0	26.6	27.9	9.9	8.6	9.4	21.4	18.9	20.3
5	Maruvathur Village	59.3	57.2	58.3	26.6	26.4	26.5	10.6	10.4	10.5	23.2	22.8	23.0
6	Nakkambadi Village	58.0	54.1	56.1	25.5	25.0	25.3	8.9	8.6	8.8	19.5	18.8	19.2
7	Rayampuaram Village	58.1	53.6	55.9	28.0	27.8	27.9	9.6	8.4	9.0	19.5	18.1	18.8
8	Unjini Village	56.3	56.0	56.2	28.0	28.0	28.0	9.9	8.6	9.3	23.6	20.4	22.0
Norm		100 µg/m ³			60 µg/m ³			80 µg/m ³			80 µg/m ³		

for Chettinad Cement Corporation Private Limited

R.P. Muthiah
Vice President (Works)



Chettinad Cement Corporation Private Limited -Sendurai Limestone Mine								
Sendurai Village , Ariyalur District, Tamilnadu State								
Noise Level Monitoring- Consolidated Report (Oct 2022 -Mar 2023)								
S.No	Location	UoM	Day			Night		
			L _{min}	L _{max}	L _{eq}	L _{min}	L _{max}	L _{eq}
Within the Premises								
1	view Point	dB(A)	58.4	60.1	59.2	50.9	52.2	51.5
2	Loading Area	dB(A)	59.1	60.1	59.6	52.1	53.7	52.8
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	Sendurai Village	dB(A)	50.8	52.1	51.5	41.1	43.1	42.0
2	Maruvathur Village	dB(A)	50.7	52.2	52.9	41.5	43.3	42.4
Limit (L _{eq})		dB(A)	55			45		

for Chettinad Cement Corporation Private Limited

R.P. Muthiah
Vice President (Works)



Annexure-4

Chettinad Cement Corporation Private Limited - Sendurai Limestone Mine						
Sendurai Village, Ariyalur District, Tamilnadu						
Ground Water Quality Monitoring Report (Oct 2022 -Mar 2023)						
S.No	Parameter	UoM	GW1	GW2	SW1	Limit
1	pH	-	7.28	7.145	8.01	5.5 - 9.0
2	Temperature	Deg C	31.025	31.26	31.55	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	550	537.5	300	2100
6	Chloride as Cl	mg/l	145	139	78.5	1000
7	Sulphide as S	mg/l	BLQ	BLQ	BLQ	2
8	Sulphate as SO ₄	mg/l	41.5	52	33.5	1000
9	Fluride as F	mg/l	0.2	0.2	0.1	2
10	Sodium	mg/l	37.5	39	24.5	-
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	0.029	0.035	0.041	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:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	0.2
31	Nickel as Ni	mg/l	DLQ	DLQ	DLQ	3
GW1: Sendurai Village GW 2 : Nakkambadi Village			BLQ: Below Qualification Limit.			
SW1: Mines sump water			BDL:Below Detetion Limit,			

for Chettinad Cement Corporation Private Limited

R.P. Muthiah
Vice President (Works)



Annexure-5

Dt.: 01.08.2022



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

Internal Circular

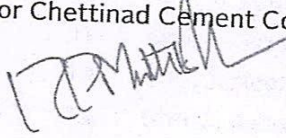
Sub: Environment & Safety Management Cell committee

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. Sivaji Samineni	Instrumentation Head
5	Shri. M.A. Rajavel	HR Head
6	Shri. M. Rajamohan	QUAS Head
7	Shri. L.V. Senthil Kumar	Electrical Head
8	Shri. S. Ramesh	Mines Head
9	Shri. P. Kanakaraj	Mech-Pre Clinkerisation Head
10	Shri. M. Radhakrishnan	Mech-Post Clinkerisation Head
11	Shri. K. Girisan	CPP Head
12	Shri. J. Meenakshi sundaram	Civil Head
13	Shri. S. Ashok Kumar	Safety Head
14	Shri. V. Palaniappan	Accounts Head
15	Shri. Dr. C. Vinoth	Medical Officer
16	Shri. M. Raja Chidambaram	Public Relations Officer(PRO)

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]

Copy to: Team Members

Chettinad Cement Corporation Private Limited
Ariyalur Trichy Road, Keelapalur Post,
Ariyalur Dist - 621707, Tamilnadu, India.
T + 91 4329 250009
F + 91 4329 250011, 250013

CIN : U93090TN1962PTC004947
Regd.Office : Chettinad Towers,
603, Anna Salai, Chennai 600 006.
T + 91 44 2829 2727, 42951800 (100 lines) E : ariyalur@chettinadcement.com
F + 91 44 2829 1558 www.chettinad.com





Tamil Nadu Pollution Control Board

Ambient Air Quality Survey Report

Report No:70 /AAQS/2022-2023 Dated:19.01.2023

- 1.Name and Address of the Industry : M/s.Chettinad Cements Corporation Private Limited,
Sendurai Limes Stone Mine,
Sendurai Village,
Sendurai TK,
Ariyalur District.
- 2.Date of Survey : 08.12.2022
- 3.Duration of Survey : Eight Hours
- 4.Category : Red/Small
- 5.Consent Order No. : 2008231508532

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	26	32		44	72
Weather Condition	Clear		Rain Fall (mm)	Nil	
Predominant Wind Direction	NE to SW		Mean Wind Speed (Km/hr)	11.0	

Sl. No	Location of Sampling Stations	From Source			Pollutants in $\mu\text{g}/\text{m}^3$		
		Dire.	Dist. (m)	Ht. from gl (m)	PM ₁₀	SO ₂	NO ₂
1.	On the top of scaffolding near NE corner mines adjacent to land filling area	NE	350	2.0	67	7.6	8.8
2.	On the top of scaffolding near mines Entrance	ESE	300	2.0	72	9.5	11.1
3.	On top of scaffolding near mines Mechanical room	SW	250	2.0	79	15.8	17.4
4.	On top of scaffolding near NW Corner of the Mines	NW	250	2.0	75	12.6	14.2

K. Jeyaraj
19/1/23
Environmental Scientist,

K. Jeyaraj
19/1/23
Assistant Director,
AEL, TNPCB, Trichy-15.





Tamil Nadu Pollution Control Board

Ambient Noise Level Survey Report of Analysis

Report No: 70/AAQS/2022-2023 Dated:19.01.2023

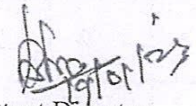
1.	Name of the Industry	M/s.Chettinad Cements Corporation Private Limited,		
2.	Address of the Industry	Sendurai Limes Stone Mine, Sendurai Village, Sendurai TK, Ariyalur District.		
3.	Date of Survey	08.12.2022		
4.	Consent Order No.	2008231508532		
5.	Category	Red/Small		
Type of Survey		Ambient	Time of Survey	Day
Meteorological Conditions		Calm		

Logging Parameters

Instrument Used	Casella	Serial No.	0499485
Logging Interval	10 Minutes in each Point	Measuring Range	50-110dB(A)
Weighting	"A"	Time Weighting	Fast
Sound Incidence	Random	Time of Survey in Hrs.	14.00 to 15.20 Hrs

SI No	Location	Duration (m)	Distance (m)	Direction	Sound Level -dB(A)		
					L _{eq}	L _{Min}	L _{Max}
1.	Near NE boundary of the mines	10	350	NE	50.7	48.0	57.5
2.	Near mines Entrance	10	300	ESE	46.0	43.5	56.1
3.	Near SW corner of the mines	10	250	SW	45.0	39.9	51.0
4.	Near western side of the mines	10	250	W	48.7	46.2	51.1
5.	Near NW corner of the mines	10	250	NW	53.0	49.0	63.3


19/1/23
Environmental Scientist,


19/01/23
Assistant Director,
AEL,TNPCB,Trichy-15.



Sendurai Lime Stone Mines [21.925 Ha]
Compliance of Notification published by MoEF&CC on 12.08.2021
Single Use Plastic Ban Awareness Board installed



பிளாஸ்டிக் மாசில்லா தமிழ்நாடு

தமிழ்நாட்டை பிளாஸ்டிக் மாசில்லா மாநிலமாக உருவாக்குவதற்கு, தமிழக அரசு ஒரு முறை பயன்படுத்தி தூக்கி எறியப்படும் பிளாஸ்டிக் பொருட்களுக்கு தடை விதித்துள்ளது. நமது சுற்றுச்சூழலை காப்பது நம் கடமை என்ற உணர்வோடு தடை செய்யப்பட்ட பிளாஸ்டிக் பொருட்களை தவிர்த்து மாற்றுப் பொருட்களை பயன்படுத்துமாறு தமிழக அரசு, மக்களை அன்போடு கேட்டுக்கொள்கிறது.

தடை செய்யப்பட்ட பொருட்கள்	தடை X	பயன்படுத்தக்கூடிய பொருட்கள்	மாற்று ✓
<ul style="list-style-type: none"> உணவுப்பொருட்களை கடையவேகப்படுத்தப்படும் பாகெட்டிகள் உறை உதவிக்கொள்வதற்கான பிளாஸ்டிக் பூசப்பட்ட காகித தாள்கள் பிளாஸ்டிக் பூசப்பட்ட காகித குவளங்கள் பிளாஸ்டிக் பூசப்பட்ட ரெஜிர் குவளங்கள் உதவிக்கொள்வதற்கான பிளாஸ்டிக் பூசப்பட்ட தாள்கள் பிளாஸ்டிக் பூசப்பட்ட தாள்கள் 	<ul style="list-style-type: none"> பிளாஸ்டிக் பூசப்பட்ட பாகெட்டிகள் உறை பிளாஸ்டிக் பூசப்பட்ட காகித தாள்கள் பிளாஸ்டிக் பூசப்பட்ட காகித குவளங்கள் பிளாஸ்டிக் பூசப்பட்ட ரெஜிர் குவளங்கள் பிளாஸ்டிக் பூசப்பட்ட தாள்கள் பிளாஸ்டிக் பூசப்பட்ட தாள்கள் 	<ul style="list-style-type: none"> வாழை தினைகள் தாமரை தினைகள் பாகுமர தினைகள் உயிர்க்க தட்டிகள் பீங்கான் தட்டிகள் பீங்கான் குவளங்கள் உயிர்க்க குவளங்கள் உயிர்க்க கொள்கலன் உயிர்க்க குவளங்கள் கண்ணாடி பாட்டில்கள் 	<ul style="list-style-type: none"> காகித கருள் துணிப்புகள் அலுமினிய தாள் மண் குவளங்கள் மண் பாண்டங்கள் காகித, மர உயிர்க்க குழாய்கள் காகிதம் / சிலைப்புகள் காகித / துணி கொழிகள்

செட்டிநாடு சிமெண்ட் கார்ப்பரேஷன் (பி) லிட., அரியலூர் ஓர்க்ஸ்
சரியான கான்கிரீட் தேர்வு

Single Use Plastic Ban Awareness for Sendurai Mines Employees & Workers

