

CCCPL/DACHEPALLI/ENV/2025

21st November, 2025

**Inspector General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Vijayawada Green House Complex,
Gopalarreddy Road, Vijayawada – 520010, Andhra Pradesh.**

Sub: Submission of Six Monthly Environmental Clearance Compliance Status Report for 5.0 MTPA Captive Limestone Mine of M/s Chettinad Cement Corporation Private Limited located at Pedagarlpadu & Kesanupalli (V), Dachepalli (M), Guntur District, Andhra Pradesh for the period of April 2025 to September 2025 - Reg.

**Ref: 1. F. No. J-11015/152/2013-IA.II (M) Dated 21st December, 2015 (EC).
2. F. No. J-11015/152/2013/IA.II (M) Dated 14th January, 2021 (Name Change).**

Dear Sir,

Reference with the Environmental Clearance cited above, we are herewith Submitting six monthly compliance status report for the stipulated conditions in Environmental Clearance for the period of **April 2025 to September 2025** for 5.0 MTPA Captive Limestone Mine of M/s Chettinad Cement Corporation Private Limited located at Pedagarlpadu & Kesanupalli (V), Dachepalli (M), Palnadu District, Andhra Pradesh.

This is for your kind information & records please.

Thanking you,

Yours faithfully,

For **Chettinad Cement Corporation Private Limited,**


Seetharamulu Ch

 **Joint President- Works (Unit Head)**

CC:

1. Central Pollution Control Board, RD - Chennai
2. Andhra Pradesh Pollution Control Board, RO - Guntur

Encl: A/a

Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlapadu Limestone Mine – 5.0 MTPA

Pedagarlapadu & Kesanupalli (V),

Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

Sl. No	Condition	Compliance Status
SPECIFIC CONDITIONS:		
i.	The environmental clearance is subject to obtaining the prior permission from CGWA for intersecting the ground water table.	<ul style="list-style-type: none"> Permission obtained from Commissioner, Panchayat Raj & Rural Development & Administrator, APWALTA, Government of Andhra Pradesh for “withdrawal of 1152 KLD of stored rain water from their existing Limestone Mine pit for continuing the mining operations below water table” vide Lr. No. PRRR05-11028/21/2019-SLNA-GIS-CORD, Dated 09.05.2023. Applied for renewal on 24.02.2025, file is under process.
ii.	The project proponent will implement and comply with all applicable safeguard measures as provided in OM No. Z-11013/57/2014-IA.II(M) dated 29 th October, 2014.	<ul style="list-style-type: none"> Safeguard measures as provided in OM No. Z-11013/57/2014-IA.II (M) dated 29th October, 2014 are being complied. Compliance of the safeguard measures are presented as Annexure-1.
iii.	The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board and effectively implement all the conditions stipulated therein.	Consent to Establishment obtained & Consent for Operation for the Pedagarlapadu Limestone Mine has been obtained from Andhra Pradesh Pollution Control Board Valid till 31.03.2029. The conditions stipulated in the Consent Orders are being implemented.
iv.	A buffer zone of 50 m (green belt) on either side of the nallah passing through lease area should be developed for protection of the nallah /stream.	A buffer zone of 50 m on either side of the nallah passing through the mining lease area is being developed with Greenbelt for protection of the nallah/stream.
v.	The loose solids should be kept separately from flowing water and flow of effluents to nearby areas outside the lease hold shall be prevented. The paved drains along with arrangements for over burden Dumps and their drainage may be clearly depicted on a contoured map of the mining area.	<ul style="list-style-type: none"> By providing garland drains and catch drains with gully plugs, the loose solids will be separated from flowing water. As there is no generation of any industrial effluent from the mine, no effluents are being flowed to nearby areas outside the lease hold. There is no generation of over burden (OB) in the mine area. Hence, the requirement of paved drains and marking the same on the contour map of the Mine area not envisaged.
vi.	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 1 st and 2 nd order streams, emanating or passing through the mine lease during the course of mining operation.	<ul style="list-style-type: none"> No natural watercourse and water resources are obstructed due to our mining operations. Adequate measures like 50 m safety barrier on both sides of the nallah passing through the mining lease area and greenbelt in the safety barrier is being developed to conserve and protect the water streams.
vii.	The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	The top soil (Black Cotton Soil –BCS) is being stored 7.5m buffer zone along the Mine boundary for greenbelt development. The extra BC soil material is being stored separately for future usage.

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Sl. No	Condition	Compliance Status
viii.	Appropriate safeguard measures shall be taken to ensure stability and drainage of dump so that no solid waste/debris flows into the nallah.	There is no Over Burden (OB) and formation of dumps in the mine lease area. Hence, this condition is not applicable to our mine.
ix.	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 Ministry of Environment, Forest and Climate Change and its Regional office, Chennai on six monthly bases.	There is no Over Burden (OB) in the mine area. Hence, this condition is not applicable to our mine.
x.	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, temporary OB and mineral dumps to arrest flow of silt and sediment directly into the adjoining river and other water bodies. The water so collected should be utilized for watering the mine area roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly.	<ul style="list-style-type: none"> • There is no over burden and mineral dumps in this mine. • However, catch drain of 400 m and siltation ponds of appropriate size constructed for the working pit to arrest flow of silt and prevent sediments from reaching nearby water bodies. • The water collected & utilized for water spraying on haul roads, greenbelt development etc. • The drains are regularly desilted, particularly after the monsoon and being maintained properly.
xi.	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.	There is no over Burden (OB) available in the mine area. Hence, this condition is not applicable.
xii.	Plantation shall be raised in an specified area including a 7.5 m wide green belt 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 trees should be around 1500 plants per ha.	<ul style="list-style-type: none"> • Plantation is being developed in the 7.5m safety zone along the mining lease boundary. The green belt being developed along the roads, safety barrier proposed on both sides of the nallah passing through the Mine etc. by planting the native species. • There are no backfilling & reclaimed areas available in the lease. • The density of the trees being maintained around 1500 plants per ha. • As on Sep-2025, an area of 13.59 ha is developed with greenbelt. • Photos showing greenbelt are attached as Annexure-2.

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Six Monthly Compliance Report – April 2025 to September 2025

Sl. No	Condition	Compliance Status
xiii.	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. Extensive water sprinkling shall be carried out on haul roads. It should be assured that the Ambient Air Quality parameters conform to the norms prescribed by the CPCB in this regard.	<ul style="list-style-type: none"> There are no crushing and screening plants (no conveyors and no transfer points) within the mining lease area. Regular water sprinkling is being carried out at the area of mining and loading & unloading points. The permanent water sprinkling system has provided along the main haul road for effectively controlling dust by movement of vehicles. Ambient Air Quality parameters are being monitored and conform to the norms prescribed by the Central Pollution Control Board.
xiv.	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 Ministry of Environment, Forest and Climate Change, its Regional Office, Chennai, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	<ul style="list-style-type: none"> Regular monitoring of water quality upstream and downstream of seasonal nallahs falling in the core zone area being carried out and records being maintained. Data of the same is presented in Annexure-3.
xv.	Appropriate measures shall be taken for treatment of the upper catchment of the mine lease area.	Garland drains are developed around the working pit to diverted surface water/ upper catchment water away from the working and connected to the seasonal Nallah and also to avoid water entering to the mine working pit and contamination of the same.
xvi.	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Water conservation measures to augment the ground water resources are Implemented. Details of the same are enclosed as Annexure-4
xvii.	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(November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment, Forest and Climate Change and its Regional Office Chennai, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	<ul style="list-style-type: none"> Regular monitoring of ground water quality is being carried out covering in and around mine lease areas by engaging 3rd party laboratory. Piezometer (Digital Ground Water Level Recorder) installed near mine office & Plant area to monitor the ground water levels. Photograph of Piezometer & Data of ground water Quality & Levels presented in Annexure-5.

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xviii.	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water, required for the project.	Permission obtained from Commissioner, Panchayat Raj & Rural Development & Administrator, APWALTA, Government of Andhra Pradesh for "withdrawal of 1152 KLD of stored rain water from their existing Limestone Mine pit for continuing the mining operations below water table" vide Lr. No. PRRR05-11028/21/2019-SLNA-GIS-CORD, Dated 09.05.2023 . Applied to Commissioner, Panchayat Raj & Rural Development for renewal on 24.02.2025, file is under process.
xix.	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	Water conservation measures to augment the ground water resources are implemented. Details of the same are enclosed as Annexure-4 .
xx.	Appropriate mitigative measures should be taken to prevent pollution of nearby River in consultation with the State Pollution Control Board.	Appropriate mitigative measures like zero discharge system, protection of nallah passing the mining lease area with greenbelt development, controlling fugitive emission with extensive water sprinkling, greenbelt along the boundary of mining lease area etc., are being implemented to prevent pollution of nearby water resources.
xxi.	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. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	<ul style="list-style-type: none"> • Vehicular emissions are being monitored regularly to confirm the prescribed standards. All Mining vehicles are BS VI emission standard's vehicles. • Regular maintenance is being done for the vehicles used for limestone transportation. • Vehicles carrying the mineral will not be overloaded more than height of the body.
xxii.	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Controlled blasting is being practiced. Mitigate measures for control of ground vibrations and to arrest fly rocks and boulders are implemented by following the precautions indicated below. <ul style="list-style-type: none"> ➤ Carrying out blasting operations with low density explosives to control the ground vibrations. ➤ We are using Nonel delay detonators to minimize charge per delay, ground vibration and generation of fly rock.
xxiii.	Drills shall either be operated with dust extractors or equipped with water injection system.	The drilling dust is being controlled by wet drilling system provided in the drill machine.

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xxiv.	Mineral handling area shall be provided with the adequate number of high efficient dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	<ul style="list-style-type: none"> The mining area dust is being controlled by providing mobile water tanker with effective dust suppression system. Photographs of dust suppression are attached as Annexure-6. There is no conveyor to transport the mined Limestone to the Cement plant. Hence, there will no transfer points, which need dust control system.
xxv.	Sewage Treatment Plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	<ul style="list-style-type: none"> Sewage Treatment Plant (STP) with 200 KLD capacity has been installed for the colony. All the vehicles are used for mining operation are hired on contractual basis. Hence, no Workshop is envisaged.
xxvi.	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.	Pre-placement medical examination is being carried out. Periodical medical examination for all the employees and workers are being carried out and records are maintained. The Schedule of Medical examination of the workers has been prepared and it is being followed.
xxvii.	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	Regular monitoring of free silica in the dust carried out and records maintained. All control measures are being implemented to maintain free silica levels within prescribed limit. The workers are provided with Personal Protective measures to safeguard against inhaling dust. Monitoring data is enclosed as Annexure-7 .
xxviii.	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 healthcare, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Being mining activity, no major construction work is envisaged. The mines office and toilet are constructed, which do not require any accommodation facilities for the construction labor.
xxix.	The project proponent should take all precautionary measures during mining operation for conservation and protection of endangered flora as well as endangered fauna 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. 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 Ministry and its Regional Office at Chennai within 3 months.	There is no endangered fauna or endangered flora in the study area (As per EIA studies). Hence, the need for preparation of conservation plan for flora and fauna and allocation of funds for Implementation of the conservation plan are not envisaged.

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xxx.	The critical parameters such as RSPM (Particulate matter with size less than 10micron i.e., PM10) and NOx in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the 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, Forest and Climate Change, which is available on the website of the Ministry www.envfor.nic.inshall also be referred in this regard for its compliance.	<ul style="list-style-type: none"> The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e., PM₁₀) and NOx in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer being monitored periodically. There is no generation of industrial effluent from the mining operation and the domestic waste water is sent to septic tank followed by soak pit. The EC compliance status report covering the monitoring data is being uploaded on the website of our company. Monitoring data is also being displayed on a display board at Mines office entrance gate.
xxxii.	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.	Noted. A Final Mine Closure Plan along with details of Corpus Fund will be submitted to the Ministry of Environment, Forest and Climate Change, 5 years in advance prior to the final mine closure for approval.
xxxiii.	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.	<ul style="list-style-type: none"> Major concerns raised during public hearing were employment to the locals, maintain pollution free environment & develop basic amenities in nearby villages. Employment provided to the local eligible people and other concerns are being addressed through CSR plan.
GENERAL CONDITIONS:		
i.	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.	Condition is duly noted. Prior approval will be obtained from MOEF&CC for change in technology and scope of working if any.
ii.	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Condition is duly noted. No change in the calendar plan including excavation, quantum of mineral limestone and waste will be made.
iii.	Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., 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 State Pollution Control Board.	<ul style="list-style-type: none"> Four AAQ stations are established in the core zone as well as in the buffer zone based on meteorological data. NABL approved Third Party Laboratory is engaged to monitor the AAQ parameters. Monitored data of PM₁₀, PM_{2.5}, SO₂ & NO₂ of AAQ stations established at Core Zone & buffer zone is presented in Annexure-8.

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Sl. No	Condition	Compliance Status
iv.	Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM10) & NOx should be regularly submitted to the Ministry of Environment, Forest and Climate Change including its Regional office located at Chennai and the State Pollution Control Board / Central Pollution Control Board once in six months.	AAQ monitored data is being regularly submitted to MOEF&CC Regional office located at Vijayawada and the APPCB / CPCB along with six monthly compliance reports.
v.	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.	The following fugitive dust emissions controlling measures are being practiced: <ul style="list-style-type: none"> The drilling dust is being controlled by wet drilling system provided in the drill machine. Mock pile wetting in mines is being practiced to avoid dust emissions during loading Permanent water sprinkling system provided along the haul roads for effectively control dust emissions. Regular water sprinkling is being carried out at the area of mining and loading & unloading points. Fugitive emissions monitoring results are enclosed as Annexure-9.
vi.	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	<ul style="list-style-type: none"> Measures like good maintenance of the mining machinery and vehicles, acoustic enclosures, controlled blasting, greenbelt development along the boundary of ML Area etc., are practiced for maintaining noise levels below 85 dB (A) in work environment. Ear plug/Muffs are being provided to the operators of HEMM on commencement of mining. Ambient & Source noise levels monitoring results are attached as Annexure-8.
vii.	Industrial waste water (workshop and waste water from the 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.	<ul style="list-style-type: none"> No industrial effluent is generated from mining operations. No workshop has been proposed in the ML area. Hence, there will not be any need for providing treatment system for water. Mining equipment have been maintained & serviced outside the mine lease.
viii.	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.	<ul style="list-style-type: none"> Personnel working in the mine will be provided with adequate training, information on safety and health aspects. Personal Protective Equipment (PPE) is being given to the mines personnel and the usage of the same by them is being ensured. Occupational health surveillance program of the workers is being undertaken periodically to observe any contractions due to exposure to dust and if needed, will take corrective measures.

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ix.	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Separate Environmental Management Cell with suitable qualified personnel is in place. Organizational structure for environmental management is depicted in Annexure –10 .
x.	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 Ministry of Environment, Forest and Climate Change and its Regional Office located at Chennai.	Adequate amount incurred on environmental management activities like Greenbelt Development, Water Sprinkling & Fugitive Emission Controlling.
xi.	The project authorities should inform the Regional Office located at Chennai regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Intimation on final approval of the project by the concerned authorities and commencement of land development works dated 27.03.2019 was submitted to MOEFCC Regional Office located at Chennai on 20.11.2019.
xii.	The Regional Office of this Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Full cooperation will be extended to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
xiii.	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 email) to the Ministry of Environment, Forest and Climate Change, its Regional Office Chennai, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. 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, Forest and Climate Change, Chennai, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.	<ul style="list-style-type: none"> Six monthly compliance reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data is being submitted to MoEF&CC, RO-Vijayawada through email (soft copy in PDF), CPCB, ZO at Chennai & APPCB, RO at Guntur. Compliance reports are being displayed in our company website.
xiv.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisath/ 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 on the website of the Company by the proponent.	<ul style="list-style-type: none"> EC clearance letter sent to concerned Pedagarlapadu Village Panchayat & Kesanupalli Village Panchayat, Dachepalli Mandal and the District Collector, Guntur. The Environmental Clearance letter has been put on the web site of the company.

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xv.	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	--
xvi.	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 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 Regional Office of the Ministry of Environment, Forest and Climate Change, Chennai by e-mail.	Environmental Statement for financial year ending 31 st March 2025 in Form-V was submitted to Andhra Pradesh Pollution Control Board & MOEF&CC-RO office dated 27.09.2025 and same was kept on our company website.
xvii.	The project authorities should advertise at least in two local newspapers of the District or State widely circulated in which the project is located and one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded Environmental Clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at http://envfor.nic.in . A copy of the same should be forwarded to the Regional Office of this Ministry located at Chennai.	<ul style="list-style-type: none"> The advertisement in widely circulated two local newspapers (THE HINDU dated 24.12.2015 (in English) & EENADU dated 24.12.2015 (in Telugu) of the Guntur District, Andhra Pradesh have been published informing the public that the Environmental Clearance had been accorded and a copy of the clearance letter is available with the Andhra Pradesh Pollution Control Board and also at web site of the Ministry of Environment, Forests and Climate Change at http://envfor.nic.in. The copies of the advertisements have already been submitted to the Regional Office of this Ministry located at Chennai. Photos of the newspaper clippings presented in Annexure –11.

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ANNEXURE-1

Compliance with applicable safeguard measures as provided in
OM No. Z-11013/57/2014-IA.II(M) dated 29th October, 2014

Sl. No.	Condition	Compliance Status
1	The Project Authority shall adopt Best Mining Practice for the given mining conditions. In the mining area, adequate number of check dams, retaining walls/structures, garland drains and settling ponds should be provided to arrest the wash-off with rainwater in catchment area.	<p>Wet drilling and controlled blasting technics is being practiced. The following preventive measures are being followed for control of ground vibrations, fly rocks and generation oversize boulders.</p> <ul style="list-style-type: none"> ➤ Carrying out blasting operations with low density explosives to have a heaving effect than an explosion. ➤ Using NONEL detonators in blasting for reduce the charge per delay for control the ground vibrations. ➤ Practicing the bottom initiation system with deck charging to reduce the noise levels & fly rock generation. ➤ The Garland drains are being developed around the ML area. ➤ The Two Check dams are constructed in the Nallah passing across the ML area for rain water harvesting pond developed to improve the ground water levels.
2	The natural water bodies and or streams which are flowing in and 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 Authorities have to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table.	<ul style="list-style-type: none"> ➤ The natural water bodies and or streams which are flowing in and around the villages are not disturbed due to our mining activities. ➤ Regular monitoring of ground water quality and levels are being carried out.
3	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. The Project Proponents (PPs) must ensure that the biological clock of the villagers is not disturbed by orienting the floodlights/ masks away from the villages and keeping the noise levels well within the prescribed limits for day/night hours.	<ul style="list-style-type: none"> ➤ All necessary precautions are being taken to comply these conditions. ➤ Noise levels are maintaining within the limits for day/night.

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Pedagarlapadu Limestone Mine – 5.0 MTPA

Pedagarlapadu & Kesanupalli (V),

Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

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Sl. No.	Condition	Compliance Status
4	The Project Authority shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing. In this context, Project Authority should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide midday shelter from the scorching sun should be scrupulously guarded against felling, lest the cattle abandon the grazing ground or return home by noon.	This condition is not applicable as there was no existing grazing land present in the mine lease.
5	Wherever blasting is undertaken as part of mining activity, the Project Authority shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighborhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/ surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority.	The Ground Vibration Monitoring studies and slope stability studies are conducted by the Govt. reputed agency of CIMFR-CSIR, Nagpur
6	Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt conveyors should be fully covered to avoid air borne dust.	<ul style="list-style-type: none"> • Permanent water sprinkling system has provided along the haul roads for avoiding dust emissions. • The regular water sprinkling carried out internal roads in the Pit and on the muck pile. • The Crushing unit, belt conveyors and material transfer points are provided in the Plant area with adequate dust control systems like bag filters, covered conveyors, water spraying etc.
7	The Project Authority shall ensure that the productivity of agricultural crops is not affected due to mining operations. Crop Liability Insurance Policy has to be taken by the PP as a precaution to compensate for any crop loss. The impact zone shall be 5km from the boundary of mine lease area for such insurance policy. In case, several mines are located in a cluster, the Associations of owners of the cluster mines, formed inter-alia, to sub-serve such an objective, shall take responsibility for securing such Crop Liability Policy.	We will ensure that any productivity of agricultural crops is not affected due to our mining operations. We are developing thick green belt along the Mines boundary to protect adjacent agricultural lands.

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Sl. No.	Condition	Compliance Status
8	In case any village is located within the mining leasehold which is not likely to be affected due to mining activities during the life of mine, the Expert Appraisal Committee (EAC) should consider the proposal of Environmental Clearance (EC) for reduced mining area. The Mining lease may be executed for the area for which EC is accorded. The mining plan may also be accordingly revised and required stipulations under the MMDR Act, 1957 and MCR, 1960 met.	Not applicable in our case
9	Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The PP shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.	Not applicable in our case
10	Likewise, alteration or re-routing of foot paths, pagdandies, cart roads, and village infrastructure/public utilities or roads (for purposes of land acquisition for mining) shall be avoided to the extent possible and in case such acquisition is inevitable, alternative arrangements shall be made first and then only the area acquired. In these types of cases, Inspection Reports by site visit by experts may be insisted upon which should be done through reputed Institutes.	Not applicable in our case
11	As CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial turn-over, Socio Economic Development of the neighborhood Habitats could also be planned and executed by the PPs more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers on the lines as required under TOR. "R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village located in the mine lease area will be shifted or not. The issues relating to shifting of Village including their R&R and socio-economic aspects should be discussed in the EIA report."	We are carrying out CSR activities with focus on Health, Education, sanitation and infrastructure development in nearby villages. R&R is not required as there is no village/habitation was relocated for this project.

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ANNEXURE-2

Greenbelt Development

Year of Plantation	No's Saplings Planted	Area in Ha	Survival Rate (%)
2018-19	2700	2.43	97%
2019-20	2130	1.81	98%
2020-21	4010	2.51	98%
2021-22	2370	1.95	90%
2022-23	3638	1.06	92%
2023-24	3795	1.08	91%
2024-25	2871	1.93	92%
2025-26 (Apr-Sep)	1300	0.82	90%
Total	22814	13.59	94%

Plantation along the Seasonal Nallah Buffer zone area



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ANNEXURE-3

Nallah Water Quality Analysis Results (Apr'25 – Sep'25)

Sl. No.	Parameter Name	UOM	Method	Limit of Detection	Upstream	Downstream
1	pH	---	4500 H ⁺ B	---	7.51	7.51
2	Total Hardness as CaCO ₃	mg/L	2340 [°] C	10.0	210.08	125
3	Total Dissolved Solids at 180 [°] C	mg/L	2540 -C	10.0	898	740
4	Chloride as Cl ⁻	mg/L	4500 Cl ⁻ B	1.0	172.46	137.97
5	Sulphate as SO ₄ ²⁻	mg/L	4500 SO ₄ ²⁻ C	1.0	235.1	250
6	Nitrate as NO ₃ ⁻	mg/L	4500 NO ₃ B	0.1	2.04	10.32
7	Fluoride as F ⁻	mg/L	4500 F ⁻ D	0.1	1.16	1.23
8	Color	Hazen	2120 -C	1.0	5.19	<1
9	Electrical Conductivity @ 25 [°] C	μ/cm	IS 3025 Part 14	0.1	1502	1237
10	Cadmium as Cd	mg/L	3120 B	0.01	<0.01	<0.01
11	Chromium as Cr	mg/L	3120 B	0.01	<0.01	<0.01
12	Copper as Cu	mg/L	3120 B	0.01	<0.01	<0.01
13	Iron as Fe	mg/L	3120 B	0.01	1.75	1.35
14	Manganese as Mn	mg/L	3120 B	0.01	0.17	0.10
15	Nickel as Ni	mg/L	3120 B	0.01	<0.01	<0.01
16	Lead as Pb	mg/L	3120 B	0.01	0.01	0.016
17	Turbidity	NTU	2130- B	0.1	35.1	28.4
18	Arsenic as As	mg/L	3120 B	0.01	<0.01	<0.01
19	Total Alkalinity as CaCO ₃	mg/L	2320 B	0.1	204	81.6
20	Mercury as Hg	Mg/L	3125 23 rd Edition	0.001	<0.001	<0.001
21	Aluminum as Al	mg/L	3120 B	0.01	0.25	0.20
22	Calcium as Ca ²⁺	mg/L	3500 Ca- B	0.1	46.95	27.52
23	Magnesium as Mg ²⁺	mg/L	3500 Mg- B	0.1	26.46	13.74
24	Residual Free Chlorine as Cl (Max)	mg/L	4500 Cl ⁻ B	0.05	<0.05	<0.05
25	Boron as B	mg/L	3120 B	0.01	0.28	0.26
26	Sodium as Na	mg/L	3500 Na	0.01	110.23	8.23
27	Potassium as K	Mg/L	3500 K	0.01	85.21	1.25
28	Phenolic Compounds as C ₆ H ₅ OH	mg/L	5530 D	0.001	<0.001	<0.001
29	Cyanide as CN ⁻	mg/L	4500 CN ⁻ E	0.02	<0.02	<0.02
30	Anionic Detergents	mg/L	Annex K of IS 13428 2014	0.02	<0.02	<0.02
31	Oil & Grease	mg/L	5520 C	1.0	<1	<1
32	Selenium as Se	mg/L	3120 B	0.01	<0.01	<0.01
33	Zinc as Zn	mg/L	3120 B	0.01	<0.01	<0.01
34	COD	mg/L	5220 B	--	6.5	20.0
35	BOD	mg/L	5210 B	--	<3	<3
36	Total Coliforms	MPN/100	9522 1B		Absent	Absent
37	Odour	TON	2150 -B	--	Agreeable	Agreeable
38	Taste	FTN	2160 -B	--	Agreeable	Agreeable
39	Pesticides	mg/L	EPA 525.02	0.01	Not Detected	Not Detected

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Water Quality Analysis of Mines Sump (Apr'25 – Sep'25)



TEST REPORT



CERTIFICATE NO.TC-14799

JLR.No:TC147992500001635F
Report No: HWMP/ LAB/ENV/2502932

Page No's. 2 of 2

TEST REPORT FOR MINES SUMP WATER SAMPLE

Samples are analyzed "as is where basis is

Sr. No's.	Parameters	Units	Methods	Limit of Detection	Results
1.	Color	Hazen	IS 3025 (Part 4) 1983	1.0	4
2	Temperature	°C	APHA 24 th Edition 2550-B: 2017	--	27.0
3	pH at 25°C	---	IS 3025 (Part 11) 1983	--	7.43
4.	Suspended Solids	mg/L	APHA 24 th Ed. 2540-D	1.0	4.8
5.	Total Dissolved Solids	mg/L	IS 3025 (Part 16)- 1984	10.0	631
6.	Oil & Grease	mg/L	APHA 24 th Ed 5520-C	1.0	<1.0
7.	Chloride as Cl	mg/L	IS 3025 Part 32-1988	1.0	71.02
8.	Fluoride as F	mg/L	APHA 24 th Edition 4550-FD- SPADNS	0.1	0.97
9.	Dissolved Phosphates	mg/L	APHA 24 th Edition 4550-P D- 2017	0.1	<0.1
10.	Sulfates as SO4	mg/L	IS 3025 (Part 24) 1986	1.0	111
11.	Nitrates as NO3	mg/L	APHA 24 th Ed 4500 N03 B	0.1	27.18
12.	Total Hardness as CaCO3	mg/L	IS 3025 (Part 21) 2009	1.0	39.16
13	Chemical Oxygen Demands	mg/L	APHA 24 th Ed 3120 B	5.0	10.11
14	Biological Oxygen Demands (3 Days at 27°C)	mg/L	IS 3025 (Part 44) 2009	3.0	3.0
15	Ferrous Iron	mg/L	APHA 24 th Ed 3550 B	0.01	<0.01
16	Ferric Iron	mg/L	APHA 24 th Ed 3550 B	0.01	<0.01
17	Calcium as Ca	mg/L	APHA 24 th Ed 3500 Ca-B 2017	0.1	13.16
18	Magnesium as Mg	mg/L	IS 3025 (Part 46) 1994	0.1	3.51
19	Total Coliforms	MPN/100 ml	APHA 9221 B	--	79
20	Escherichia Coli	MPN/100 ml	APHA 9221 E	--	<1.8

- Opinion and interpretation: Nil
- Reports pertained only to the submitted sample
- Test reports shall not be reproduced except in full, without written approval of the laboratory.






Verified by
D. Sanjeeva Reddy
Assistant Manager


Authorized Signatory
K. Ravi Kumar
Technical Manager

End of report

ANNEXURE-4

Water Conservation Measures Implemented

Sl. No	Activity	Development work
1	<p>Rain water harvesting pond Developed in the ML area: Nearly 20000KL capacity Rain water pond developed and surrounding area rain water collection system also provided. The entire surface rain water is being collected in this pond and effective ground water recharging is going on.</p>	
2	<p>Water harvesting sump developed in the PIT: Nearly 20000KL capacity rain water harvesting sump developed in the 3rd bench pit bottom. The entire rain water in and around the pit area collected in this sump then recharge the ground water effectively.</p>	
3	<p>Catch drain development: Nearly 400m catch drain with ground water recharging pits are developed in the ML area. The surface rain water collected in this Pits and recharging the ground water during the monsoon session.</p>	
4	<p>Construction of Check dams in the Adjacent Nalla: We have constructed two check dams in the adjacent Nalla for surface rain water storage then recharging the ground water.</p>	
5	<p>Garland Drain Development: The external water is predominantly due to the rainwater. Entry of external rain water prevented by Garland drain made all along the boundary of mine in east side of Pit-1 and west side of Pit-2.</p>	

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ANNEXURE-5

Ground Water Levels

Sl. No.	Piezometer Location	Meters Below Ground Level	
		Post Monsoon Season May-25	Winter Season Aug-25
1	Near Mine Office	16.3	11.9
2	Plant Site	14.5	13.9

Piezometer (Digital Ground Water Level Recorder) installed at Mine Office.



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Ground Water Quality (Requirement as per IS 10500-2012)

Pre - Monsoon Season (Apr'25 - June'25)

Sl. No.	Parameter Name	UoM	IS 10500:2012	Loc-1	Loc-2	Loc-3	Loc-4	Loc-5	Loc-6
1	Colour	Hazen	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2	Turbidity	NTU	5.0	<0.1	4.8	<0.1	<0.1	1.0	<0.1
3	pH	---	6.5 - 8.5	7.14	7.76	7.07	6.98	7.40	7.05
4	Total Alkalinity as CaCO ₃	mg/L	600	306	244.8	479.4	357	112.2	367.2
5	Residual Free Chlorine as Cl, Max	mg/L	1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
6	Total Dissolved Solids at 180° C	mg/L	2000	1060	1030	1550	1202	340	1402
7	Chloride as Cl ⁻	mg/L	1000	177.39	192.17	271.01	210.81	73.91	251.30
8	Fluoride as F ⁻	mg/L	1.5	0.33	0.38	0.81	0.48	0.53	0.13
9	Sulphate as SO ₄ ²⁻	mg/L	400	228	238	281	218	58.52	353.4
10	Sulphide as S ₂ ⁻	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
11	Nitrate as NO ₃	mg/L	45	30.98	36.66	40.49	15.43	18.87	24.82
12	Calcium as Ca ²⁺	mg/L	200	123	59.51	91.26	107.13	89.83	123.0
13	Magnesium as Mg ²⁺	mg/L	100	21.65	26.46	26.46	28.86	19.24	26.46
14	Total Hardness as CaCO ₃	mg/L	600	396	257.4	336.6	386.1	128.7	415.8
15	Manganese as Mn	mg/L	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
16	Copper as Cu	mg/L	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	Iron as Fe	mg/L	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
18	Arsenic as As	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19	Cadmium as Cd	mg/L	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
20	Lead as Pb	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21	Zinc as Zn	mg/L	15	0.15	0.18	0.27	0.08	0.05	0.03
22	Total Chromium as Cr	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	Phenolic Compounds as C ₆ H ₅ OH	mg/L	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
24	Barium as Ba	mg/L	0.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25	Selenium as Se	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
26	Boron as B	mg/L	1.0	0.41	0.43	0.51	0.45	0.11	0.57
27	Aluminum as Al	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28	Cyanide as CN ⁻	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	Nickel as Ni	mg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
30	E. Coli	P/A	Absent	Absent	Absent	Absent	Absent	Absent	Absent
31	Total Coliform	P/A	Absent	Absent	Absent	Absent	Absent	Absent	Absent
32	Odour	TON	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
33	Taste	FTN	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable

Loc-1: Mine Site, Loc-2: Plant Site, Loc-3: Pedagarlapadu,
Loc-4: Takkellapadu, Loc-5: Veerapuram, Loc-6: Kachavaram,

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Ground Water Quality (Requirement as per IS 10500-2012)

Monsoon Season (July'25 – Sep'25)

Sl. No.	Parameter Name	UoM	IS 10500:2012	Loc-1	Loc-2	Loc-3	Loc-4	Loc-5	Loc-6
1	Colour	Hazen	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2	Turbidity	NTU	5.0	<0.1	4.4	<0.1	<0.1	1.0	<0.1
3	pH	---	6.5 - 8.5	7.02	7.18	7.13	6.82	7.32	7.11
4	Total Alkalinity as CaCO ₃	mg/L	600	301	238	461	362	118.5	372.5
5	Residual Free Chlorine as Cl, Max	mg/L	1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
6	Total Dissolved Solids at 180 C	mg/L	2000	1040	1020	1520	1219	356	1428
7	Chloride as Cl ⁻	mg/L	1000	171.29	189.23	264.02	215.16	74.13	248.04
8	Fluoride as F ⁻	mg/L	1.5	0.31	0.32	0.79	0.43	0.51	0.11
9	Sulphate as SO ₄ ²⁻	mg/L	400	227	231	278	215	54.12	317.15
10	Sulphide as S ²⁻	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
11	Nitrate as NO ₃ ⁻	mg/L	45	29.16	35.17	38.12	14.15	19.16	22.78
12	Calcium as Ca ²⁺	mg/L	200	118	56.4	88.4	102.10	84.81	120.0
13	Magnesium as Mg ²⁺	mg/L	100	22.14	23.19	25.17	27.32	20.18	24.19
14	Total Hardness as CaCO ₃	mg/L	600	383	251.4	331.2	374.2	122.5	410.7
15	Manganese as Mn	mg/L	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
16	Copper as Cu	mg/L	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
17	Iron as Fe	mg/L	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
18	Arsenic as As	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19	Cadmium as Cd	mg/L	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
20	Lead as Pb	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21	Zinc as Zn	mg/L	15	0.15	0.18	0.27	0.08	0.05	0.03
22	Total Chromium as Cr	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
23	Phenolic Compounds as C ₆ H ₅ OH	mg/L	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
24	Barium as Ba	mg/L	0.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25	Selenium as Se	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
26	Boron as B	mg/L	1.0	0.41	0.43	0.51	0.45	0.11	0.57
27	Aluminum as Al	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28	Cyanide as CN ⁻	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
29	Nickel as Ni	mg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
30	E. Coli	P/A	Absent	Absent	Absent	Absent	Absent	Absent	Absent
31	Total Coliform	P/A	Absent	Absent	Absent	Absent	Absent	Absent	Absent
32	Odour	TON	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
33	Taste	FTN	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable

Loc-1: Mine Site, Loc-2: Plant Site, Loc-3: Pedagarlpadu,
Loc-4: Takkellapadu, Loc-5: Veerapuram, Loc-6: Kachavaram,

Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlapadu Limestone Mine – 5.0 MTPA

Pedagarlapadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE-6

- ❖ Permanent Water sprinkling system with Auto mode operation is installed for effective dust controlling in the Main haul road



- ❖ 20 KL capacity mobile water tanker with high pressure jet is being used for water sprinkling on haul roads in the pit for muck pile wetting regularly for effectively controlling the dust.



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Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE-7

Personal Dust Sampling – Free Silica Results



TEST REPORT

Page No's. 1 of 1

Issued to	M/s. Chettinad Cement Corporation Private Limited., Pedagarlpadu, Limestone Mines
Report No	HWMP/LAB/ENV/2501104/1
Date of Report	: 04.10.2025
Analysis Starting Date	: 30.09.2025
Analysis Completion Date	: 03.10.2025
Date of Sampling on	: 29.09.2025
<u>Sample Registration/ Location Details:</u>	: Personal Dust Monitoring 1. PD- 252269/1: Tipper Operator 2. PD- 252270/1: Excavator Operator 3. PD- 252271/1: Drill Operator 4. PD- 252272/1: Crusher Unloading Area

TEST RESULTS FOR AIRBORNE DUST & FREE SILICA

Sl. No's.	Sample Locations	Name of the Persons	Sampling Commodity	Employee ID	Result $\mu\text{g}/\text{m}^3$	PEL $\mu\text{g}/\text{m}^3$	Free SILICA (%)
1.	Tipper Operator	Mallekhaedi Nasing	Personal	LEM 265	1.6754	<3.0	0.0076
2.	Excavator Operator	Akkinanapalli Ramesh	Personal	LEM 244	1.2388		0.0023
3.	Drill Operator	P. Venkata Ramesh	Personal	LEM 278	1.8712		0.0054
4.	Crusher Unloading Area	Challa Munesh	Personal	LEM 244	1.9766		0.0092

Verified by
D. Sanjeeva Reddy
Assistant Manager

Authorized Signatory
K. Ravi Kumar
Technical Manager

End of Report

Hyderabad Waste Management Project
(A Division of Re Sustainability Limited)
Site Address:
TSDF at: Survey No. 684/1,
Dundigal - Gandimaisamma Municipality,
Medchal - Malkajgiri Dist. - 500 043,
Telangana, India.

Re Sustainability Limited
(Formerly known as Ramky Enviro Engineers Limited)
Registered Office:
Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081, India.
CIN No. U74140TG1994PLC018833

Certificate No : 23EOK176 (ISO 9001 : 2015)
Certificate No : 23EOKA93 (ISO 14001 : 2015)
Certificate No : 23EOKB87 (ISO 45001 : 2018)
MOEF Approved Laboratory
Ref No: CFCB-HO/PV1/1890
NABL Accredited Laboratory
(ISO/IEC 17025) Certificate No. 7C/2524
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Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlpadu Limestone Mine – 5.0 MTPA

Pedagarlpadu & Kesanupalli (V),

Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE-8

Ambient Air Quality Monitoring Data – Core Zone

Particulate Matter Less than 10 Microns (PM₁₀) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Mines Office Area	51.2	41.6	33.5	56.4	67.8
2	Haulage Road	71.2	65.2	79.4	75.3	70.4
3	Drilling Area	74.1	83.5	72.3	66.8	73.2
4	New Mines Office Area	49.1	52.8	64.1	49.4	62.3
NAAQMS-2009 Standards:		100 µg/m ³				

Particulate Matter Less than 2.5 Microns (PM_{2.5}) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Mines Office Area	23.4	25.3	16.4	29.8	35.3
2	Haulage Road	46.0	37.1	27.8	40.1	38.2
3	Drilling Area	38.8	32.1	28.8	32.5	40.1
4	New Mines Office Area	16.2	33.9	23.7	22.8	32.5
NAAQMS-2009 Standards:		60 µg/m ³				

Sulphur Dioxide (SO₂) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Mines Office Area	7.2	6.3	5.1	9.3	11.2
2	Haulage Road	8.2	5.1	4.9	8.4	14.6
3	Drilling Area	6.3	7.2	6.8	6.6	12.5
4	New Mines Office Area	6.6	12.4	11.3	5.8	9.4
NAAQMS-2009 Standards:		80 µg/m ³				

Nitrogen Dioxide (NO₂) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Mines Office Area	19.6	13.7	21.4	28.5	28.3
2	Haulage Road	25.3	13.3	23.6	33.8	25.7
3	Drilling Area	23.2	19.5	28.6	37.5	28.4
4	New Mines Office Area	18.1	20.1	27.1	30.2	31.6
NAAQMS-2009 Standards:		80 µg/m ³				

Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlpadu Limestone Mine – 5.0 MTPA

Pedagarlpadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

Ambient Air Quality Monitoring Data – Buffer Zone

Particulate Matter Less than 10 Microns (PM₁₀) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Pedagarlpadu Village	55.3	62.3	60.2	58.9	55.3
2	Takkellapadu Village	48.2	59.6	57.3	61.4	48.4
3	Kachavaram Village	51.8	61.8	60.5	59.0	61.6
4	Veerapuram Village	52.1	55.2	51.8	47.9	49.5
NAAQMS-2009 Standards:		100 µg/m ³				

Particulate Matter Less than 2.5 Microns (PM_{2.5}) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Pedagarlpadu Village	22.1	27.4	23.8	22.8	22.6
2	Takkellapadu Village	19.3	24.8	22.6	21.5	19.3
3	Kachavaram Village	22.2	28.1	27.8	24.3	28.8
4	Veerapuram Village	20.3	19.4	20.5	21.4	27.0
NAAQMS-2009 Standards:		60 µg/m ³				

Sulphur Dioxide (SO₂) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Pedagarlpadu Village	7.2	6.2	6.7	7.9	12.5
2	Takkellapadu Village	8.3	8.4	8.1	6.3	9.8
3	Kachavaram Village	7.1	9.1	9.6	5.8	15.2
4	Veerapuram Village	6.5	7.8	7.4	8.1	8.4
NAAQMS-2009 Standards:		80 µg/m ³				

Nitrogen Dioxide (NO₂) - µg/m³

Sl. No.	AAQ Location	May-25	June-25	July-25	Aug-25	Sep-25
1	Pedagarlpadu Village	28.0	28.4	26.5	31.4	29.3
2	Takkellapadu Village	29.1	31.2	30.7	35.6	27.1
3	Kachavaram Village	28.7	30.3	31.5	33.4	25.0
4	Veerapuram Village	30.2	25.7	25.2	38.0	31.9
NAAQMS-2009 Standards:		80 µg/m ³				

Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlapadu Limestone Mine – 5.0 MTPA

Pedagarlapadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE-8

Ambient Noise Monitoring Data

SI. No.	Parameter	May-25		June-25	
		Day	Night	Day	Night
		<i>Standards</i>		<i>55 dB(A)</i>	<i>45 dB(A)</i>
1	Budawada Village	40.2	36.2	51.2	37.8
2	Kachavaram Village	41.2	35.4	47.6	40.2
3	Gadawaripalli Village	41.6	36.9	50.8	42.6
4	Tummalachervu Village	40.0	33.6	43.3	38.1

SI. No	Parameter	July-25		Aug-25		Sep-25	
		Day	Night	Day	Night	Day	Night
		<i>Standards</i>		<i>55 dB(A)</i>	<i>45 dB(A)</i>	<i>55 dB(A)</i>	<i>45 dB(A)</i>
1	Budawada Village	47.3	38.6	53.5	36.2	51.7	38.3
2	Kachavaram Village	51.5	40.1	49.2	42.8	50.6	37.2
3	Gadawaripalli Village	48.2	39.7	52.6	41.6	49.4	39.8
4	Tummalachervu Village	51.8	42.4	45.0	39.3	46.1	35.7

Chettinad Cement Corporation Private Limited

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Pedagarlpadu Limestone Mine – 5.0 MTPA

Pedagarlpadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

Work Zone Noise Monitoring Data (Apr'25 - Jun'25)

 TEST REPORT  CERTIFICATE NO. TC-14799		 re Sustainability		
		Page No's. 1 of 1		
Issued to	M/s. Chettinad Cements Corporation Private Limited., Pedagarlpadu Limestone Mines			
ULR No	TC147992500000682F			
Report No	HWMP/LAB/ENV/2501113			
Date of Report	: 01.07.2025			
Analysis Starting Date	: 23.06.2025			
Analysis Completion Date	: 30.06.2025			
Date of Sampling on	: 21.06.2025			
Sample Description	: Source Noise Levels Measurement			
TEST RESULTS				
Sl. No's.	Reg. No's. & Locations	Unit	Noise Level in dB(A)	Limits
1.	SNM- 252289: Haulage Road while Dumpers are moving	dB(A) - Leq	69.3	85 dB(A)
2.	SNM- 252290: Drilling Area	dB(A) - Leq	78.0	
3.	SNM- 252291: Crusher Hopper Area	dB(A) - Leq	74.6	
4.	SNM- 252292: Mines Office Area	dB(A) - Leq	62.8	
5.	SNM- 252293: Loading Area	dB(A) - Leq	77.6	
<ul style="list-style-type: none"> Opinion and interpretation: Nil Reports pertained only to the collected samples when monitoring Test reports shall not be reproduced except in full, without written approval of the Laboratory Noise Meter: Sl. No:1012918, HTC, Model No:1350, Calibration date 06.02.2025, due date:05.02.2026 				
 Verified by D. Sanjeeva Reddy Assistant Manager		 Authorized Signatory K. Ravi Kumar Technical Manager		
End of Report				
Hyderabad Waste Management Project (A Division of Re Sustainability Limited) Site Address: TSDF at: Survey No. 684/1, Dundigal - Gandimaisamma Municipality, Medchal - Malkajgiri Dist. - 500 043, Telangana, India.		Re Sustainability Limited (Formerly known as Ramky Enviro Engineers Limited) Registered Office: Level 11B, Aurobindo Galaxy, Hyderabad Knowledge City, Hitech City Road, Hyderabad-500 081, India. CIN No. U74140TG1994PLC018833		Certificate No : 23EOK176 (ISO 9001 : 2015) Certificate No : 23EOKA93 (ISO 14001 : 2015) Certificate No : 23EOK873 (ISO 45001 : 2018) MOEF Approved Laboratory Ref No: CPCB-HO/PVT/550 NABL Accredited Laboratory (ISO/IEC 17025) Certificate No. TC-10204 T: +91 93936 44222 E: mbd_hwmp@resustainability.com laboratoryhwmp@resustainability.com resustainability.com

Chettinad Cement Corporation Private Limited

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Pedagarlapadu Limestone Mine – 5.0 MTPA

Pedagarlapadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

Work Zone Noise Monitoring Data (Jul'25 - Sep'25)

  CERTIFICATE NO. TC-14799		 re Sustainability		
		Page No's. 1 of 1		
Issued to	M/s. Chettinad Cements Corporation Private Limited., Pedagarlapadu Limestone Mines			
ULR No	TC147992500001634F			
Report No	HWMP/LAB/ENV/2502931			
Date of Report	: 04.10.2025			
Analysis Starting Date	: 01.10.2025			
Analysis Completion Date	: 03.10.2025			
Date of Sampling on	: 29.09.2025			
Sample Description	: Source Noise Levels Measurement			
TEST RESULTS				
Sl. No's.	Reg. No's. & Locations	Unit	Noise Level in dB(A)	Limits
1.	SNM- 253535/1: Haulage Road while Dumpers are moving	dB(A) - Leq	70.6	85 dB(A)
2.	SNM- 253535/2: Drilling Area	dB(A) - Leq	79.1	
3.	SNM- 253535/3: Crusher Hopper Area	dB(A) - Leq	75.8	
4.	SNM- 253535/4: Mines Office Area	dB(A) - Leq	59.3	
5.	SNM- 253535/5: Loading Area	dB(A) - Leq	79.7	
<ul style="list-style-type: none"> Opinion and interpretation: Nil Reports pertained only to the collected samples when monitoring Test reports shall not be reproduced except in full, without written approval of the Laboratory Noise Meter: SI, No:1012918, HTC, Model No:1350, Calibration date 06.02.2025, due date:05.02.2026 				
 Verified by D. Sanjeeva Reddy Assistant Manager		 Authorized Signatory K. Ravi Kumar Technical Manager		
End of Report				
Hyderabad Waste Management Project <small>[A Division of Re Sustainability Limited]</small> Site Address: TSDF at: Survey No. 684/1, Dundigal - Gandimaisamma Municipality, Medchal - Malkajgiri Dist. - 500 043, Telangana, India.		Re Sustainability Limited <small>(Formerly known as Pomky Enviro Engineers Limited)</small> Registered Office: Level 11B, Aurobindo Galaxy, Hyderabad Knowledge City, Hitech City Road, Hyderabad-500 081, India. CIN No. U74140TG1994PLC018833		Certificate No : 23EOK374 (ISO 9001 : 2015) Certificate No : 23EOKA93 (ISO 14001 : 2015) Certificate No : 23EOK897 (ISO 45001 : 2018) MOEF Approved Laboratory Ref.No: CFCB-HO/PT/1593 NABL Accredited Laboratory <small>(ISO/IEC 17025)</small> Certificate No. TC-10324 T: +91 93936 44222 E: mbd_hwmp@resustainability.com laboratoryhwmp@resustainability.com resustainability.com

Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlpadu Limestone Mine – 5.0 MTPA

Pedagarlpadu & Kesanupalli (V),






Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE- 9

Fugitive Emission Monitoring Results – (Apr'25 to June'25)

  CERTIFICATE NO. TC-14799		 Sustainability Page No's. 1 of 1		
Issued to	M/s. Chettinad Cements Corporation Private Limited., Pedagarlpadu Limestone Mines			
ULR No	TC147992500000682F			
Report No	HWMP/LAB/ENV/2501113			
Date of Report	: 01.07.2025			
Analysis Starting Date	: 23.06.2025			
Analysis Completion Date	: 30.06.2025			
Date of Sampling on	: 21.06.2025			
Sample Description	: Source Noise Levels Measurement			
TEST RESULTS				
Sl. No's.	Reg. No's. & Locations	Unit	Noise Level in dB(A)	Limits
1.	SNM- 252289: Haulage Road while Dumpers are moving	dB(A) - Leq	69.3	85 dB(A)
2.	SNM- 252290: Drilling Area	dB(A) - Leq	78.0	
3.	SNM- 252291: Crusher Hopper Area	dB(A) - Leq	74.6	
4.	SNM- 252292: Mines Office Area	dB(A) - Leq	62.8	
5.	SNM- 252293: Loading Area	dB(A) - Leq	77.6	
<ul style="list-style-type: none"> Opinion and interpretation: Nil Reports pertained only to the collected samples when monitoring Test reports shall not be reproduced except in full, without written approval of the Laboratory Noise Meter: Sl. No:1012918, HTC, Model No:1350, Calibration date 06.02.2025, due date:05.02.2026 				
 Verified by D. Sanjeeva Reddy Assistant Manager		 Authorized Signatory K. Ravi Kumar Technical Manager		
End of Report				
Hyderabad Waste Management Project (A Division of Re Sustainability Limited) Site Address: TSDF at: Survey No. 684/1, Dundigal - Gandimaisamma Municipality, Medchal - Malkajgiri Dist. - 500 043, Telangana, India.		Re Sustainability Limited (Formerly known as Raviv Enviro Engineers Limited) Registered Office: Level 11B, Aurobindo Galaxy, Hyderabad Knowledge City, Hitech City Road, Hyderabad-500 081, India. C.IN No. U74140TG1994PLC018833		Certificate No : 22EOK126 (ISO 9001 : 2015) Certificate No : 22EKA93 (ISO 14001 : 2015) Certificate No : 22EOK087 (ISO 45001 : 2018) MOEF Approved Laboratory Ref No: CPCB-HQ/PV1/050 NABL Accredited Laboratory (ISO/IEC 17025) Certificate No. TC-10224 T: +91 93935 44222 E: mbd_hwmp@resustainability.com laboratoryhwmp@resustainability.com resustainability.com

Chettinad Cement Corporation Private Limited

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Pedagarlpadu Limestone Mine – 5.0 MTPA

Pedagarlpadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

Fugitive Emission Monitoring Results – (Jul'25 to Sep'25)

  CERTIFICATE NO. TC-14799		 Sustainability
		Page No's. 1 of 1
Issued to	M/s. Chettinad Cements Corporation Private Limited., Pedagarlpadu Limestone Mines	
ULR No	TC147992500001634F	
Report No	HWMP/LAB/ENV/2502931	
Date of Report	: 04.10.2025	
Analysis Starting Date	: 01.10.2025	
Analysis Completion Date	: 03.10.2025	
Date of Sampling on	: 29.09.2025	
Sample Description	: Source Noise Levels Measurement	

TEST RESULTS				
Sl. No's.	Reg. No's. & Locations	Unit	Noise Level in dB(A)	Limits
1.	SNM- 253535/1: Haulage Road while Dumpers are moving	dB(A) - Leq	70.6	85 dB(A)
2.	SNM- 253535/2: Drilling Area	dB(A) - Leq	79.1	
3.	SNM- 253535/3: Crusher Hopper Area	dB(A) - Leq	75.8	
4.	SNM- 253535/4: Mines Office Area	dB(A) - Leq	59.3	
5.	SNM- 253535/5: Loading Area	dB(A) - Leq	79.7	

- Opinion and interpretation: Nil
- Reports pertained only to the collected samples when monitoring
- Test reports shall not be reproduced except in full, without written approval of the Laboratory
- Noise Meter: Sl. No:1012918, HTC, Model No:1350, Calibration date 06.02.2025, due date:05.02.2026


Verified by
D. Sanjoeva Reddy
 Assistant Manager


Authorized Signatory
K. Ravi Kumar
 Technical Manager

End of Report

Hyderabad Waste Management Project
 (A Division of Re Sustainability Limited)
 Site Address:
 TSDF at: Survey No. 684/1,
 Dundigal - Gandimaisamma Municipality,
 Medchal - Malkajgiri Dist. - 500 043,
 Telangana, India.

Re Sustainability Limited
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 Registered Office:
 Level 11B, Aurobindo Galaxy,
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 Hitech City Road, Hyderabad-500 081, India.
 CIN No. U74140TG1994PLC018833

Certificate No : 23EOK176 (ISO 9001 : 2015)
 Certificate No : 23EKA93 (ISO 14001 : 2015)
 Certificate No : 23EOK287 (ISO 45001 : 2018)
 MOEF Approved Laboratory
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Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlpadu Limestone Mine – 5.0 MTPA

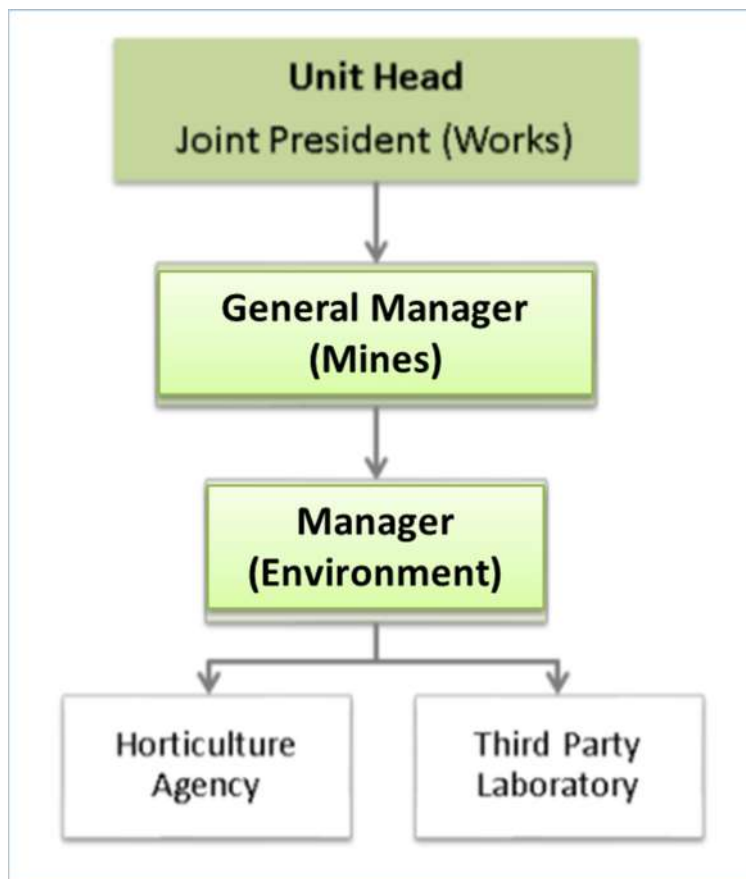
Pedagarlpadu & Kesanupalli (V),
Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE- 10

Organizational Structure for Environmental Management



Chettinad Cement Corporation Private Limited

(Formerly Chettinad Cement Corporation Limited)

Pedagarlapadu Limestone Mine – 5.0 MTPA

Pedagarlapadu & Kesanupalli (V),

Dachepalli (M), Palnadu District, Andhra Pradesh – 522437

Environmental Clearance F. N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015

Six Monthly Compliance Report – April 2025 to September 2025

ANNEXURE-11

Newspaper clippings of EC approval