



THE RAMCO CEMENTS LIMITED

ISO 9001 ISO 14001 ISO 45001 ISO 50001
Certified Company

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RCL/MoEF&CC/RBLM-239/277

Dt. 26.11.2024

Ministry of Environment, Forests and Climate Change,
Integrated Regional Office,
Green House Complex,
Gopala Reddy Road,
VIJAYAWADA – 520 010.

Respected Sir,

Sub: Submission of Half-Yearly Compliance Reports for Environmental Clearances for Ramco Budawada Limestone Mine (RF) of The Ramco Cements Limited for the period from April 2024 to September 2024 – Reg.

- Ref: 1. EC Lr. No. J-11015/443/ 2014-IA.II(M) dated 09.07.2024.
2. EC amendment order vide order No. J-11015/150/2008-IA-II(M) dated 07.08.2023.
3. EC Lr. No. J-11015/150/ 2008-IA.II(M) dated 10.12.2009.

We are herewith submitting the Half-Yearly Compliance Reports for the above cited Environmental Clearance orders and amendment order for the period from April 2024 to September 2024 along with relevant enclosures for our Ramco Budawada Limestone Mine (RF) located at Jaggayyapet Mandal, NTR (previously Krishna) District, Andhra Pradesh.

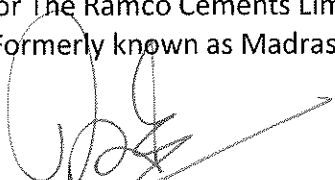
Name, designation and contact details of person in-charge of environmental division are:

ASHISH KUMAR SRIVASTAVA
President (Mfg.)
Phone No. 08654 – 224400,
Fax No. 08654 – 222352,
e-mail: mcljpm@ramcocements.co.in

This is for your kind information and perusal please.

Thanking you,

Yours faithfully,
For The Ramco Cements Limited,
(Formerly known as Madras Cements Ltd.,)


ASHISH KUMAR SRIVASTAVA
President (Mfg.)

Encl.: As above.

Cc to: Central Pollution Control Board, No. 77A, 2nd Floor, South Avenue Road, Ambattur Industrial Estate, Chennai – 600 058.

HALF-YEARLY COMPLIANCE REPORT

Environmental Clearance Letter/s No. and Date	Order No. J-11015/443/2014-IA.II (M) and dated 09.07.2024
Name of the Project	Ramco Budawada Limestone Mine (RF) Of The Ramco Cements Limited – 1.10 Million TPA to 2.50 Million TPA Capacity of Limestone
Period of Compliance Report	April 2024 to September 2024

A. Specific Conditions:

S.No.	Condition	Compliance Status
i.	PP shall obtain CTE /CTO from State Pollution Control Board for 2.5 MTPA production capacities for Limestone mine.	Being complied. CTE & CTO orders are received for this expansion project from AP Pollution Control Board.
ii.	The Project Proponent needs to ensure that the machinery requirement / capacity shall match with the proposed expansion production capacity so as to avoid the sudden increase in pollution load.	Being complied. All the required machinery are established to cater the total production capacity of 2.50 Million TPA.
iii.	PP shall ensure the compliance of expenditure to be incurred for wildlife conservation plan submitted to the State Govt. and the details expenditure shall be submitted with six monthly EC compliance report to Ministry's Sub-Regional Office.	Noted. Wildlife conservation plan prepared for Schedule - I species and submitted to Chief Wildlife Warden, Govt. of A.P, Forest Department. Accordingly, The Prl. Chief Conservator of Forests & Chief Wild Life Warden, Government of Andhra Pradesh has approved the Wild Life Conservation plan vide letter No. 21024/19/2022/ WL-2 dated 11.07.2024. The same is being implemented for conservation of Schedule - I species.
iv.	The Project Proponent needs to explore the possibility of using advance / latest mining technologies available so as to minimize the ecological impacts.	Noted. Using the latest mining technologies available i.e Non-el detonators so as to minimize the ecological impacts.
v.	PP shall dissipate the noise from the mining operations within the mining lease area. PP shall provide ear muffs to all mine workers to avoid health implications and PP shall limit the exposure time of workers to excessive noise.	Being complied. <ul style="list-style-type: none"> • Vehicles are being maintained properly for control of noise. • Ear plugs / muffs are provided to respective HEMM operators and limiting the exposure time of workers to excessive noise. • Various other precautions are also being taken to control the noise. • Compiled data of Noise levels measured in the period April 2024

S.No.	Condition	Compliance Status
		to September 2024 is enclosed as Annexure – I.
vi.	The Project Proponent needs to carry out ground vibration study through reputed institute to determine maximum charge per hole and charge to be blasted per delay so that ground vibrations are minimized and kept within permissible safe limits fixed by DGMS.	Being complied. Ground vibration study carried out by NIT, Rourkela and report is awaiting. Controlled blasting is being practiced by using advanced technology viz., Shock tube bottom initiation detonators to reduce ground vibrations, as per DGMS guidelines.
vii.	PP shall transport the limestone from the Mine lease to cement plant by the dedicated railway wagon.	Being Complied.
viii.	The Continuous Ambient Air Quality Monitoring Stations (CAAQMS) shall be installed and commissioned in consultation with CPCB. The real time data so generated should be digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB / SPCB.	Being complied. Continuous Ambient Air Quality Monitoring Stations (CAAQMS) installed in the mine lease area and data is being transmitted to APPCB server.
ix.	The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village, and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.	Being complied. <ul style="list-style-type: none"> • Groundwater level is being monitored regularly (at 3 locations) and readings are being recorded. • Ground water quality is being analysed by MoEF&CC approved external environmental agency (M/s Universal Enviro Associates, Hyderabad). • No major adverse impact on ground water quality and quantity is observed after opening of the mine. • The ground water level data and ground water quality data for the period April 2024 to September 2024 is being submitted to the CGWB and enclosed as Annexure - II. • Ambient air quality monitoring is being done in buffer zone of the lease by MoEF&CC approved external environmental monitoring agency for PM₁₀, PM_{2.5}, SO₂, NO_x monitoring. As per the data, the ground level concentrations are within the NAAQ norms notified by MoEF&CC, GOI dated 16.11.2009. Compiled data for the period April 2024 to September 2024 is enclosed

S.No.	Condition	Compliance Status
		<p>as Annexure – III.</p> <ul style="list-style-type: none"> • Compiled data on fugitive dust monitoring for the period from April 2024 to September 2024 is enclosed as Annexure – IV. • Compiled data of Noise levels measured in the period April 2024 to September 2024 is enclosed as Annexure – I.
x.	<p>The Project Proponent needs to complete the entire peripheral plantation under green belt, safety barrier plantation and gap plantation within three years from the start of mining operations. The Project Proponent should plant quality sampling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seeding height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office.</p>	<p>Being complied.</p> <ul style="list-style-type: none"> • 12730 Nos. of plants are survived over an area of 4.10 Ha all along the boundary up to September 2024.
xi.	<p>The Project Proponent needs to take adequate control measures to arrest the fugitive dust arising from the crusher at the source itself. The dense plantation shall be carried out in the vicinity of the crusher. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at crushers and other areas prone to air pollution.</p>	<p>Being complied.</p> <ul style="list-style-type: none"> • Fugitive dust generated during mining activities is being controlled by water spraying and implementing wet drilling. • 17 Nos. of bag filters are installed to control air pollution from the crushing and transportation activities associated within this mine. • Water fogging system is arranged at crusher hopper. • Compiled data on fugitive dust monitoring for the period from April 2024 to September 2024 is enclosed as Annexure – IV.
xii.	<p>PP shall install 4 Nos. of RO plants for uninterrupted supply of drinking water to the nearby villages DP Thanda, Jayanthipuram, Ravirala & Nawabpet and</p>	<p>Complied.</p> <p>4 Nos. of RO plants installed for uninterrupted supply of drinking water to the nearby villages DP Thanda,</p>

S.No.	Condition	Compliance Status
	submit a report with photographs to Sub-Regional Office, MoEF&CC.	Jayanthipuram, Ravirala & Nawabpet.
xiii.	PP shall submit the status of Oxygen plant constructed at Jaggayyapet Community Health Centre as well as the Ambulance facility that has been extended for the near villages to the Sub-Regional Office, MoEF&CC.	Being complied. <ul style="list-style-type: none"> • Oxygen plant constructed at Jaggayyapet Community Health Centre. • Ambulance facility is being extended to the near villages, upon the requests.
xiv.	The Project Proponent needs to make provision for permanent water sprinklers instead of water tankers. About 10 Nos. of fog canon / mist sprayer of at least 40 m throw shall be installed at various locations in the mine area. Effect dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission. The Project Proponent needs to put effort to reduce water consumption by 30%.	Being complied. <ul style="list-style-type: none"> • Water fogging system is arranged at crusher hopper. • Installation of Permanent Water sprinklers is under progress. • Water tankers are being used for wetting the haul roads.
xv.	PP shall submit the log-book detail of patient & doctors visited to established medical camps in nearby villages and amount of medicines supply to Sub-Regional Office, MoEF&CC.	Being complied. Log-book is being maintained regarding details of patient & doctors visiting to the medical camps in nearby villages and amount of medicines supply.
xvi.	The Project Proponent shall also organize employment-based apprenticeship / internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment as committed before the EAC.	Being complied. <ul style="list-style-type: none"> • Apprentice training with stipend is being given for local people who are studying Industrial Training Institute (ITI) certificate (as part of their academic curriculum), regularly. • Contributing stipend to the local ITI students who are undergoing GMR Skill Development Programme (post academic), through which they acquire better employment opportunities.
xvii.	PP shall implement the activities-wise proposed budget for Public Hearing Budget of Rs. 80 Lakh as proposed before the EAC in time bound manner. The details of annual expenditure incurred shall be part of report to be submitted to Sub-Regional Office, MoEF&CC. PP needs to include the audited figures against the expenditure and activities to be monitored by through dedicated monitoring mechanism. The maintenance of all activities shall be covered	Being complied. <ul style="list-style-type: none"> • Company is organizing various socio-economic activities for the surrounding villages. All the CSR activities for the nearby villages are being carried out as per the need basis of the local people (requirements collected from them), subjected to the budget availability. • CSR activities are being carried out

S.No.	Condition	Compliance Status
	through recurring cost of Public Hearing, and continued as a part of CSR budget.	<p>for upliftment of local areas and account is being maintained.</p> <ul style="list-style-type: none"> • These include village-wise, sector-wise (health, skill development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc.). • Cost of various socio-economic activities for the surrounding villages in the financial year 2003-2024 is Rs. 1,01,20,449/- against Rs. 1,20,10,872/- in the financial year 2022-2023.
xviii.	PP shall create a "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution of mines and compliant has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to Sub-Regional Office within 3 months. A logbook to be maintained by PP on "Public Grievance Redressal and Monitoring System".	<p>Being complied.</p> <p>Public Grievance Redressal committee is formed and monitoring the grievance received if any.</p> <p>A logbook is maintained on "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution.</p>
xix.	The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.	<p>Being complied.</p> <p>Awareness programme conducted from 15.09.24 to 30.09.24 as part of the "Swachhata Hi Seva" under guidance of Govt., of India among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP).</p>
xx.	The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories / consultants. Any non-compliance or infringement should be	<p>Noted.</p> <ul style="list-style-type: none"> • The services of MoEF&CC approval external environmental agency are being utilized, presently. • In house environmental laboratory will be established comprising Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis.

S.No.	Condition	Compliance Status
	reported to the concerned authority.	
xxi.	The Project Proponent shall explore the possibility of using at least 20% of Electric vehicles / CNG / Solar instead of diesel operation within three years.	Noted. We will explore the possibility of using at least 20% of Electric vehicles / CNG / Solar instead of diesel operation.
xxii.	The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on occupational health shall be carried out every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.	Being complied. <ul style="list-style-type: none"> Monitoring and maintaining the health records of the mine workers prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on occupational health is being carried out as per DGMS guidelines. Also organizing medical camps for the benefit of the local people and also monitoring the health impacts due to mining activity.
xxiii.	The mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.	Noted and will be complied at the time of ceasing of mining operations in this lease area.
xxiv.	The Project Proponent shall periodically maintain the garland drains, retaining wall and other water management structures in the mine lease area.	Noted. <ul style="list-style-type: none"> As on date, there are no dumps. Trenches / garland drains will be constructed at foot of dumps, accordingly. 2 Nos. of check dams are constructed within the mining lease area.

B. Standard Conditions:

I. Statutory compliance:

S.No.	Condition	Compliance Status
1.	The Environmental Clearance (EC) is subject to orders / judgement of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Noted and will be complied accordingly.
2.	The Project Proponent complies with all the statutory requirements and judgement of Hon'ble Supreme Court dated 2 nd August, 2017 in Writ	Noted and will be complied accordingly.

S.No.	Condition	Compliance Status
	Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	
3.	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgement of Hon'ble Supreme Court dated 2 nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors	Not applicable. <ul style="list-style-type: none"> As this expansion proposal for the operating mine. No illegal mining operations carried out in this mine.
4.	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/204-IA.II (M) dated 29 th October 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Not applicable. <ul style="list-style-type: none"> The Habitations and villages are not part of mine lease area and surrounded by the mine lease area.
5.	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Complied. Letter submitted.
6.	State Pollution Control Board / Committee shall be responsible for display of this EC letter at its Regional Office, District Industries Centre and Collector's office / Tehsildar's Office for 30 days.	Noted. Copy submitted to State Pollution Control Board.
7.	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board / Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record.	Complied. <ul style="list-style-type: none"> Advertisement made on 2 Nos. of newspapers (The New Indian Express – English & Eenadu- Telugu- vernacular language) on 11.07.2024 regarding the same. Copy of the same is submitted to IRO, Vijayawada vide our Letter No. RCL/MoEF&CC/Bwd/139 dated 11.07.2024.
8.	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Noted. Will inform MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred.

II. Air Quality Monitoring and Preservation:

S.No.	Condition	Compliance Status
9.	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz., PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of mine site.	Being complied. <ul style="list-style-type: none"> • Installed 5 Nos. of Continuous Ambient Air Quality Monitoring Stations. PM₁₀ & PM_{2.5} in reference to PM emission and SO₂ & NO_x in reference to gas emissions are being monitored at all the stations. • Online data is being digitally displayed in the board near main gate. • 4 Nos. of ambient air quality monitoring stations are established in core zone and regular (fortnightly) manual monitoring by MoEF&CC approved external environmental monitoring agency (M/s Universal Enviro Associates, Hyderabad) for PM₁₀, PM_{2.5}, SO₂, NO_x and CO monitoring. • Compiled data for the period April 2024 to September 2024 is enclosed as Annexure – III.
10	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments / machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEF&CC / Central Pollution Control Board.	Being complied. <ul style="list-style-type: none"> • Fugitive dust generated during mining activities is being controlled by water spraying and implementing wet drilling. • 17 Nos. of bag filters are installed to control air pollution from the crushing and transportation activities associated within this mine. • Water fogging system is arranged at crusher hopper. • Compiled data on fugitive dust monitoring for the period from April 2024 to September 2024 is enclosed as Annexure – IV.

III. Water Quality Monitoring and Preservation:

S.No.	Condition	Compliance Status
11.	In case, immediate mining scheme	Being complied.

S.No.	Condition	Compliance Status
	<p>envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.</p>	<ul style="list-style-type: none"> • Detailed hydro-geological study is carried out & report submitted to the Ministry along with EIA report submitted for the project. • Further, State Ground Water Department has conducted the hydro-geological study and forwarded the report to Department of Panchayat Raj & Rural Development, Government of Andhra Pradesh (agency authorized to issue NOC for AP mining projects). • Presently, the mine workings are not intersected the ground water table. However, Permission obtained from Panchayat Raj & Rural Development Department (nodal agency for Central Ground Water Department) vide Lr. No. PRR05-11028/16/2019-SLNA-GIS-CORD, date: 11.07.2024 to work below water table. This order is valid up to 09.07.2026. • Groundwater level is being monitored regularly (at 3 locations) and readings are being recorded. No major adverse impact on ground water quality and quantity is observed after opening of the mine. • The ground water level data and ground water quality data for the period April 2024 to September 2024 is being submitted to the CGWB and enclosed as Annexure – II.
12.	<p>Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority / State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Ground Water Department / State Pollution Control Board.</p>	<p>Being complied.</p> <ul style="list-style-type: none"> • Groundwater level is being monitored regularly (at 3 piezo-meter locations within mining lease area) and readings are being recorded. • Ground water quality is being analysed by MoEF&CC approved external environmental agency (M/s Universal Enviro Associates, Hyderabad). • No major adverse impact on ground water quality and quantity is observed after opening of the mine. • The ground water level data and ground water quality data for the period April 2024 to September 2024 is being submitted to the CGWB and

S.No.	Condition	Compliance Status
		enclosed as Annexure – II.
13.	<p>The Project Proponent shall undertake regular monitoring of natural water course / water resources / springs and perennial nallahs existing / flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEF&CC. The monitoring of water course / bodies existing in lease area shall be carried out four times in a year viz., pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.</p>	<p>Being complied.</p> <ul style="list-style-type: none"> • No nallah or stream is flowing in or adjacent to the mining lease. However, a Paleru river is flowing at a distance of 2 km from mining lease area. Surface water quality of the same is being analysed by MoEF&CC approved external environmental agency (M/s Universal Enviro Associates, Hyderabad). Compiled data on surface water quality data for the period April 2024 to September 2024 is enclosed as Annexure – V. • Groundwater level is being monitored regularly (at 3 locations within the mining lease) and readings are being recorded. • The ground water level data and ground water quality data for the period April 2024 to September 2024 is being submitted to the CGWB and enclosed as Annexure – II.
14	<p>Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off, acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TSS), Dissolved Oxygen (DO), pH and Total Dissolved Solids (TDS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	<p>Not applicable, as no polluted water is being generated from the mine lease area.</p>
15	<p>Project Proponent shall plan, develop and</p>	<p>Being complied.</p>

S.No.	Condition	Compliance Status
	implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board / State Ground Water Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF&CC annually.	48 Nos. & 4 Nos. of rain water harvesting structures are made to recharge the ground water in the colony & plant respectively by September 2024.
16	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and Grease trap.	Being complied. <ul style="list-style-type: none"> • There is no workshop at the project area and no waste water is being generated from the mine.
17	The water balance / water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board / Committee.	Being complied. <ul style="list-style-type: none"> • Water consumption after this expansion proposal is well within the permitted quantity of 200 kLD. • Measures will be taken to further reduce the water consumption.

IV. Noise and Vibration Monitoring and Prevention:

S.No.	Condition	Compliance Status
18	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Being complied. <ul style="list-style-type: none"> • The nearest habitation is at a distance of 1.5 km. Peak particle velocity at a distance of 500 m is being measured by Minimate for major blasting operations, as per DGMS guidelines.
19	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights / masks away from the villagers and keeping the noise levels well within the prescribed	Being complied. <ul style="list-style-type: none"> • The nearest habitation is at distance of 1.5 km. However, illumination is confined to the project area only Noise levels at day & night are being monitored and being maintained well within the limits. • Various other precautions are also being taken to control the noise. • Compiled data of Noise levels measured in the period April 2024 to September 2024 is enclosed as

S.No.	Condition	Compliance Status
	limits for day / night hours.	Annexure – I.
20	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers / personals / laborers are working without personal protective equipment.	Being complied. <ul style="list-style-type: none"> • Vehicles are being maintained properly for control of noise. • Ear plugs / muffs are provided to respective HEMM operators. • Various other precautions are also being taken to control the noise. • Compiled data of Noise levels measured in the period April 2024 to September 2024 is enclosed as Annexure – I. • Protective respiratory devices are provided to the personnel working in dusty areas (near drilling and loading areas) and adequate training and information on safety and health aspects are being provided as part of Mines Vocational Training at our Ramco Mines Vocational Center.

V. Mining Plan:

S.No.	Condition	Compliance Status
21	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, OB & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).	Being complied. <ul style="list-style-type: none"> • The present mining operations viz., total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, OB & dump mining, mineral transportation mode, are being carried out as per IBM approval mining plan vide Lr. No. AP/KSN/MP/LST-30/HYD dated 02.01.2024. • Reclamation is not initiated, as mineral is not exhausted, with the present mining operations.
22	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per	Being complied. <ul style="list-style-type: none"> • The present mining operations are being carried out as per IBM approval mining plan vide Lr. No. AP/KSN/MP/LST-30/HYD dated 02.01.2024. • Backfilling and reclamation

S.No.	Condition	Compliance Status
	approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&CC and its concerned Regional Office.	activities are not initiated, as mineral is not exhausted, with the present mining operations.

VI. Land Reclamation:

S.No.	Condition	Compliance Status
23	The Overburden (OB), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines / circulars issued by DGMS. The topsoil shall be used for land reclamation and plantation.	Noted. <ul style="list-style-type: none"> • There is no top soil generation from this mining lease area. • As on date there are no dumps. • Dumps generated, if any, will be protected accordingly.
24	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface runoff. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer / compactors thereby ensuring proper filling / levelling of dump mass. In critical areas, use of geo textiles / geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	Noted. <ul style="list-style-type: none"> • There is no top soil generation from this mining lease area. • As on date there are no dumps. • Dumps generated, if any, will be protected accordingly.
25	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil / OB / Waste dumps to prevent runoff of water and flow of sediments directly into the water bodies (Nallah / River / Pond etc.). The collected water should be utilized for watering the mine area, roads, greenbelt development, plantation etc. The drains / sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.	Noted. <ul style="list-style-type: none"> • As on date, there are no dumps. • Trenches / garland drains will be constructed at foot of dumps, accordingly. • 2 Nos. of check dams are constructed. • There are no seasonal or perennial nallahs / streams flowing in the subject area.
26	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into	Noted. <ul style="list-style-type: none"> • As on date, there are no dumps.

S.No.	Condition	Compliance Status
	adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments / silt material. The sedimentation pits / sumps shall be constructed at the corners of the garland drains.	<ul style="list-style-type: none"> • Trenches / garland drains will be constructed at foot of dumps, accordingly. • 2 Nos. of check dams are constructed. • There are no seasonal or perennial nallahs / streams flowing in the subject area.

VII. Transportation:

S.No.	Condition	Compliance Status
27	No Transportation of the minerals shall be allowed in case of roads passing through villages / habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 m) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village / rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers (if applicable in case of road transport).	<p>Noted.</p> <ul style="list-style-type: none"> • Railway wagon facility is provided to transport the limestone. • Writ petition is made to allow mine vehicles to pass through RINL lease area (to avoid the vehicle movement through village), which is under process. • Regular water sprinkling is being carried out on the haul roads. • It is ensured that vehicular emissions are being regularly monitored by concerned transporter.
28	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while	<p>Being complied.</p> <ul style="list-style-type: none"> • Regular water sprinkling is being carried out on the haul roads. • Permanent water sprinkling arrangement for dust suppression is under progress. • 17 Nos. of bag filters are installed to control air pollution from the crushing and transportation activities associated within

S.No.	Condition	Compliance Status
	transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	<p>this mine.</p> <ul style="list-style-type: none"> • Water fogging system is arranged at crusher hopper. • All belt conveyors are fully covered to avoid dust generation while transportation. • Compiled data on fugitive dust monitoring for the period from April 2024 to September 2024 is enclosed as Annexure – IV.

VIII. Greenbelt:

S.No.	Condition	Compliance Status
29	The Project Proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole greenbelt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	<p>Being complied.</p> <ul style="list-style-type: none"> • 12730 Nos. of plants are survived over an area of 4.10 Ha all along the boundary up to September 2024, as per the approved mining plan. • This is being submitted as part of half-yearly compliance report.
30	The Project Proponent shall carryout plantation / afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department / Agriculture Department / Rural development department / Tribal Welfare Department / Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	<p>Noted.</p> <ul style="list-style-type: none"> • There is no top soil generation from this mining lease area. • As on date there are no dumps. • Dumps generated, if any, will be protected accordingly. • Reclamation is not initiated, as mineral is not exhausted, with the present mining operations. • No water body is located nearby. • 12730 Nos. of plants are survived over an area of 4.10 Ha all along the boundary up to September 2024.
31	The Project Proponent shall make necessary alternative arrangements for livestock feed by	184.1 Ha. of land located at Ragunathapalem (V),

S.No.	Condition	Compliance Status
	developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded / protected against felling and plantation of such trees should be promoted.	Mattampally (M), Nalgonda District, Telangana State was handed over to Forest department towards compensatory afforestation.

IX. Public Hearing and Human Health Issues:

S.No.	Condition	Compliance Status
32	Project Proponent shall make provision for the housing for workers / labors or shall construct labor camps within / outside (company owned land) with necessary basic infrastructure / facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Being complied. Separate colony with permanent structures constructed for contract workmen with all necessary infrastructure facilities such as toilets connected with septic tanks, safe drinking water, medical health care, etc.

X. Corporate Environment Responsibility (CER):

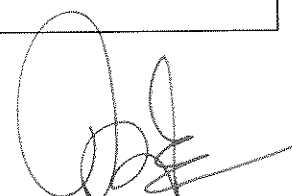
S.No.	Condition	Compliance Status
33	The Project Proponent shall submit the time-bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No. 22-65/2007-IA.III dated 30 September 2020. The action plan shall be implemented within three years of commencement of the project.	Complied. Time-bound action plan for undertaking the activities committed during public consultation is submitted to EAC.

XI. Miscellaneous:

S.No.	Condition	Compliance Status
34	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use	Noted and will be submitted accordingly.

S.No.	Condition	Compliance Status
	pattern and submit a report to concerned Regional Office of the MoEF&CC.	
35	The project authorities shall inform to the Regional Office regarding date of financial closures and final approval of the projects by the concerned authorities and the date of start of land development work.	Noted. Date of financial closure for this project is not required as total funding for this project is from own funds.
36	The project proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEF&CC & its concerned Regional office, Bangalore, Central Pollution Control Board and State Pollution Control Board.	Being complied. <ul style="list-style-type: none"> • Being submitted as part of this condition. • The soft copy of this half-yearly compliance report is mailed to ecompliance-ap@gov.in, vide Notice from MoEF&CC, Chennai dated 13.08.2019. • Hard copy of the same is submitted to Regional Directorate (Chennai) of Central Pollution Control Board, Chennai. • The status of this EC compliance reports is being regularly uploaded in APPCB website i.e., https://pcb.ap.gov.in.
37	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to the Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied. <ul style="list-style-type: none"> • Separate environmental management cell is carrying out monitoring functions. • The organization chart of environmental cell is enclosed as Annexure - VI.
38	The Regional Office of the MoEF&CC shall randomly monitor compliances of the stipulated condition. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.	Being followed. Full co-operation, facilities and documents / data being given during the inspection of Officials from the Integrated Regional Office of MOEF&CC, Vijayawada.
39	In pursuant to Ministry's OM No. 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 08.01.2020 in WP (Civil) No. 114/2014 in the matter of Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to other	Noted and will be implemented at the time of ceasing of mining operations.

S.No.	Condition	Compliance Status
	mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	
40	The Ministry or any other competent authority may alter / modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted and will be adhered to.
41	Concealing factual data failure to comply with any or submission of false / fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provision of Environment (Protection) Act, 1986.	Noted and will be adhered to.



(Signature)

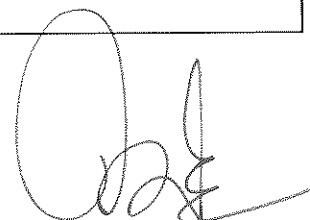
HALF-YEARLY COMPLIANCE REPORT

Environmental Clearance Letter/s No. and Date	Amendment Order No. J-11015/150/2008-IA.II (M) and dated 07.08.2023
Name of the Project	Ramco Budawada Limestone Mine (RF) of The Ramco Cements Limited – 1.10 Million TPA Capacity of Limestone – Amendment regarding railway siding, Stacker & reclaimers and associated equipment
Period of Compliance Report	April 2024 to September 2024

C. Additional Specific Conditions:

S.No.	Condition	Compliance Status
i.	The Project Proponent needs to commission the railway line within the 6 months from the date of issue of this amendment EC.	Complied. Commission activities of railway line completed within stipulated time.
ii.	The Project Proponent is allowed to transport limestone through existing transport route by road only for a period of 6 (six) months, thereafter road transportation will not be allowed.	Being Complied.
iii.	The Project Proponent shall ensure that the transportation of limestone has to be carried out only through railway wagons after commissioning of railway line.	Being Complied.
iv.	The Project Proponent should follow-up the status of implementation of Wildlife Conservation Plan from the Forest Officials and the same shall be submitted to the Ministry's Integrated Regional Office in the six monthly compliance report.	Noted. Wildlife conservation plan prepared for Schedule - I species and submitted to Chief Wildlife Warden, Govt. of A.P, Forest Department. Accordingly, The Prl. Chief Conservator of Forests & Chief Wild Life Warden, Government of Andhra Pradesh has approved the Wild Life Conservation plan vide letter No. 21024/19/2022/ WL-2 dated 11.07.2024. The same is being implemented for conservation of Schedule - I species.
v.	The project proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. The project proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target	Being complied. <ul style="list-style-type: none"> • 12730 Nos. of plants are survived over an area of 4.10 Ha all along the boundary up to September 2024. • Plantation will be continued further.

S.No.	Condition	Compliance Status
	survival rate shall be submitted to the Ministry's Integrated Regional Office.	
vi.	NOC from the Central Ground Water Authority (CGWA) / Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities.	Permission obtained from Panchayat Raj & Rural Development Department (nodal agency for Central Ground Water Department) vide Lr. No. PRR05-11028/14/2018-SLNA-GIS-CORD, date: 10.07.2024 issued for Jayanthipuram Limestone Mine (North Band), in which permission for usage for this said mine. This order is valid up to 09.07.2026.
vii.	This amendment in EC is subject to the outcome of the said court case of Writ Appeal No. 424 of 2021, dt. 15.07.2021.	Noted.
viii.	All other terms and conditions mentioned in the EC letter dated 10.12.2009 shall remain unchanged.	Compliance report of the same is appended herewith.



(Signature)

HALF-YEARLY COMPLIANCE REPORT

Environmental Clearance Letter/s No. and Date	J-11015/150/2008-IA.II (M) and dated 10.12.2009
Name of the Project	Ramco Budawada Limestone Mine (RF) of The Ramco Cements Limited – 1.1 Million TPA Capacity Of Limestone
Period of Compliance Report	April 2024 to September 2024

A. Specific Conditions:

S.No.	Condition	Compliance Status
i.	Environmental Clearance is subject to obtaining Forest Clearance under Forests (Conservation) Act, 1980 from the Competent Authority before start of work at mine.	Being complied. <ul style="list-style-type: none"> Forest Clearance is obtained from The Ministry of Environment & Forests (FC Division), Government of India, vide letter No. 8-56/2005FC date 22.12.2011. The mine is opened on 01.02.2014 after Tree Growth extraction and started the production. As per the requirement of the cement plant, mining operations are being carried out.
ii.	Wild life conservation plan shall be prepared in consultation with the office of the Chief Wild Life Warden and implemented within six months. The plan shall comprise of in-built monitoring mechanism with special emphasis to protection of Schedule- I species. The status of implementation shall be submitted to the Ministry.	Noted. Wildlife conservation plan prepared for Schedule - I species and submitted to Chief Wildlife Warden, Govt. of A.P, Forest Department. Accordingly, The Prl. Chief Conservator of Forests & Chief Wild Life Warden, Government of Andhra Pradesh has approved the Wild Life Conservation plan vide letter No. 21024/19/2022/ WL-2 dated 11.07.2024. The same is being implemented for conservation of Schedule - I species.
iii.	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse impact on ground water quality and quantity is observed, mining shall be immediately stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	Being complied. <ul style="list-style-type: none"> Detailed hydro-geological study is carried out & report submitted to the Ministry along with EIA report submitted for the project. Further, State Ground Water Department has conducted the hydro-geological study and forwarded the report to Department of Panchayat Raj & Rural Development, Government of Andhra Pradesh (agency authorized to issue NOC for AP projects). Copy of the report prepared by Ground Water & Water Audit Department, Government of AP is submitted to

S.No.	Condition	Compliance Status
		<p>Regional Office, MoEF&CC, Chennai.</p> <ul style="list-style-type: none"> • Presently, the mine workings are not touched the ground water table. • Groundwater level is being monitored regularly (at 3 locations) and readings are being recorded. • Ground water quality is being analysed by MoEF&CC approved external environmental agency (M/s Universal Enviro Associates, Hyderabad). • No major adverse impact on ground water quality and quantity is observed after opening of the mine. • The ground water level data and ground water quality data for the period April 2024 to September 2024 is being submitted to the CGWB and enclosed as Annexure – II.
iv.	A 50 m barrier of no mining zone on the side(s) of the Nallah / streams flowing in or adjacent the lease (if any) shall be demarcated and the barrier shall be thickly vegetated with native species of trees and shrubs.	Not applicable, as no nallah or stream is flowing in or adjacent to the mining lease.
v.	The company shall ensure that no silt originating due to mining activity is transported in the surface water course (if any) flowing in the area.	Noted. No silt is being generated due to mining activity as there is no beneficiation of the limestone is taking place and there is no surface water course flowing in the mining lease area also.
vi.	Shelter belt i.e., Wind Break consisting of adequate tiers of plantations around lease facing the human habitation, school / agricultural fields etc., (if any in the vicinity) shall be raised.	Noted. <ul style="list-style-type: none"> • The entire mine lease area is forest land. • No human habitation / school / agricultural fields exist within the vicinity of subject area.
vii.	Occupational Health Cell shall be created at the company under the charge of an officer of adequate seniority who is a qualified person in occupational health.	Being complied. <ul style="list-style-type: none"> • A full-fledged Occupational Health Centre with a qualified Occupational Health Specialist with supporting staff is established with the following facilities: <ul style="list-style-type: none"> ○ X-ray ○ ECG ○ Spirometry (lung function test) ○ Audiometry ○ Semi-auto analyser to carryout bio-chemical tests ○ Clinical lab for micro-biological tests (including sputum test)

S.No.	Condition	Compliance Status
		<ul style="list-style-type: none"> ○ Checking colour blindness ○ Dental chair ○ Ambulance ● Occupational health surveillance programme is taken up periodically and records are being maintained.
viii.	Personnel exposure monitoring for dust shall be carried out for the workers.	<p>Being complied.</p> <p>Personnel dust sampling is being done by MoEF&CC approved external environmental monitoring agency.</p>
ix.	Land-use pattern of the nearby villages shall be studied, including common property resources available for conversion into productive land. Action plan for abatement and compensation for damage to agricultural land / common property land (if any) in the nearby villages, due to mining activity shall be submitted to the Ministry within six months.	<p>Noted.</p> <ul style="list-style-type: none"> ● Detailed land use pattern of the nearby villages is made in EIA / EMP. ● The Mine is working in full pledged operations for production as per approved mining plan by transporting limestone from mines to Cement Plant. ● Hence damage to the agriculture land does not arise.
x.	Need based assessment for the nearby villages shall be conducted to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc., can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training for individuals imparted to take up self-employment and jobs.	<p>Being complied.</p> <ul style="list-style-type: none"> ● Company is organizing various socio-economic activities for the surrounding villages. All the CSR activities for the nearby villages are being carried out as per the need basis of the local people (requirements collected from them), subjected to the budget availability. ● CSR activities are being carried out for upliftment of local areas and account is being maintained. ● These include village-wise, sector-wise (health, skill development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc.). ● Children from the surrounding villages are studying in the school located in the cement plant colony. ● Apprentice training with stipend is being given for local people who are studying Industrial Training Institute (ITI) certificate (as part of their academic curriculum), regularly. ● Contributing stipend to the local ITI students who are undergoing GMR Skill Development Programme (post academic), through which they acquire

S.No.	Condition	Compliance Status
		better employment opportunities.
xi.	Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Ministry.	<p>Being complied.</p> <ul style="list-style-type: none"> • Fugitive dust generated during mining activities is being controlled by water spraying and implementing wet drilling. • 17 Nos. of bag filters are installed to control air pollution from the crushing and transportation activities associated within this mine. • Water fogging system is arranged at crusher hopper. • There are no human habitations including schools and other public amenities located nearer to the mine. • Compiled data on fugitive dust monitoring for the period from April 2024 to September 2024 is enclosed as Annexure – IV.
xii.	Cumulative impacts of the proposed mine and other mines including mine of M/s Jaypee Cement on the Ambient Air shall be assessed and data submitted to the Ministry within six months.	<p>Complied.</p> <p>Report on cumulative impacts along with neighboring M/s Jaypee Balaji Cements (now known as Ultratech Cements Limited) is submitted vide our Lr. No. TRCL/MoEF/3323/2013 dated 11.11.2013 to the Ministry.</p>
xiii.	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Ministry within six months.	<p>Being complied.</p> <ul style="list-style-type: none"> • 48 Nos. of rain water harvesting pits are made at colony & 4 Nos. of rain water harvesting pits are made at associated cement plant for roof top collection to recharge ground water table, as on September 2024. • The status of the same will be submitted to the Ministry accordingly.
xiv.	Monitoring of ground and surface water quality shall be regularly conducted and records maintained and data submitted to the Ministry regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water and records maintained. Monitoring for Arsenic in ground water shall be undertaken.	<p>Being complied.</p> <ul style="list-style-type: none"> • Surface water quality is being analysed by MoEF&CC approved external environmental agency (M/s Universal Enviro Associates, Hyderabad). Compiled data on the surface water quality data for the period April 2024 to September 2024 is enclosed as Annexure – V. • The ground water level data and ground water quality data for the period April 2024 to September 2024 is being submitted to the CGWB, copy is enclosed as Annexure – II. • It is observed from the ground water

S.No.	Condition	Compliance Status
		analysis reports that Arsenic concentration is Below Detectable Limit (<0.01 mg/L).
xv.	Measures for prevention and control of soil erosion and management of slit shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	Noted. <ul style="list-style-type: none"> • There is no top soil generation from this mining lease area. • As on date there are no dumps. • Dumps generated, if any, will be protected accordingly.
xvi.	Provision shall be made for the housing the labourers 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.	Noted. <ul style="list-style-type: none"> • As the project is completed and there is no requirement of housing of the labour. • During the project time, the labourers were mobilized from the nearby villages. • Housing is provided in the colony located near cement plant, for the regular employees.
xvii.	Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal / perennial nallahs (if any) flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.	Noted. <ul style="list-style-type: none"> • As on date, there are no dumps. • Trenches / garland drains will be constructed at foot of dumps, accordingly. • 2 Nos. of check dams are constructed which are connected to garland drain. • There are no seasonal or perennial nallahs / streams flowing in the subject area.
xviii.	Occupational health and Safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be	Being complied. <ul style="list-style-type: none"> • Awareness programme on health & safety for workers of work related health hazards, training on malaria eradication, HIV and health effects on exposure to mineral dust etc., and precautionary measures like the use of PPE are also being imparted. • Protective respiratory devices are provided to the personnel working in dusty areas (near drilling and loading areas) and adequate training and information on safety and health aspects are being provided as part of Mines Vocational Training at our Ramco Mines Vocational Center. • A full time qualified doctor who is trained in occupational health services is appointed.

S.No.	Condition	Compliance Status
	conducted followed by follow up action wherever required.	<ul style="list-style-type: none"> • Occupational health checkup is being carried out for all mine workers at the time of joining and is periodically reviewed as per statute for all mine workers.
xix.	Greenbelt development and selection of plant species shall be as per CPCB guidelines. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Ministry within six months.	<p>Being complied.</p> <ul style="list-style-type: none"> • Ensured that the greenbelt development and selection of plant including herbs and shrubs as per CPCB guidelines. • 11798 Nos. of plants are survived over an area of 4.10 Ha all along the boundary up to September 2024. • This is being submitted as part of half-yearly compliance report. • Mine is opened on 01.02.2014. As on date, no mined out area is available. As and when the mined out is available, the rehabilitation programme will be taken up accordingly.
xx.	Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.	<p>Noted.</p> <ul style="list-style-type: none"> • There is no top soil in the subject area. • Any solid waste generated during mining will be stacked separately within the angle of repose of material, in the SW corner of mining lease area. • The same material is being utilized for formation of internal roads and for backfilling on I & II benches to a height of 1 - 1.5 m for plantation purpose.
xxi.	Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and overall slope of the dump shall not exceed 28°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliances status shall be submitted to the Ministry of Environment & Forests on six monthly basis.	<p>Noted.</p> <ul style="list-style-type: none"> • At present, there is no OB generated. • Overburden (generated if any) will be stacked in the SW corner of mining lease area and status of the same will be submitted to the ministry on six monthly basis.
xxii.	Slope of the mining bench and ultimate pit limit shall be as per the mining	<p>Noted.</p> <p>Ultimate pit slope of the Mining bench will be</p>

S.No.	Condition	Compliance Status
	scheme approved by Indian Bureau of Mines.	maintained at 45° as per approved mining scheme.
xxiii.	The waste water from the mine shall be treated to conform to the prescribe standards before discharging into the natural stream. The discharged water from the Tailing Dam (if any) shall be regularly monitored and report submitted to the Ministry of Environment & Forests, Central Pollution Control Board and the State Pollution Control Board.	Noted. <ul style="list-style-type: none"> • There is no waste water generation from this mine. • Oil and Grease trap is installed at Workshop to treat the wastewater before let out. Outlet water quality analysis carried out by MoEF&CC approved external environmental agency. Compiled data for the period April 2024 to September 2024 is enclosed as Annexure – VII. • There is no generation of tailings from the mining of limestone, hence no proposal for tailing dam.
xxiv.	Action plan with respect to suggestions / improvements and recommendations made during public consultation / hearing shall be submitted to the Ministry and the State Govt. within six months.	Being complied. Action plan with respect to suggestions / improvements and recommendations made during public consultation / hearing is submitted along with earlier half yearly compliance reports.
xxv.	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forests, 5 years in advance of final mine closure for approval.	Noted. The final mine closure plan will be submitted as suggested.
xxvi.	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of ores for transportation shall be committed.	Being complied. <ul style="list-style-type: none"> • Vehicles having valid permission as per Central Motor Vehicle Rules, 1989 are being used for transportation of material. • To avoid fine particles, escape while transporting, the following measures will be adopted: <ul style="list-style-type: none"> ○ Moderately loading of tippers. ○ Body height of the tippers will be raised by 1 foot.
xxvii.	The Environmental Clearance is subject to the condition, if any, stipulated by the IBM on the mining scheme submitted by the project proponent for its approval.	Noted for compliance. <ul style="list-style-type: none"> • The conditions stipulated by IBM on the Modifications in the approved Mining plan will be followed. • The present Review of Mining plan approved by IBM is valid from 2024-2025

S.No.	Condition	Compliance Status
		to 2028-2029.
xxviii.	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	Not applicable as the mining lease consists of only one limestone mineral bearing deposit.

B. General Conditions:


S.No.	Condition	Compliance Status
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Being complied. <ul style="list-style-type: none"> For establishing the Railway siding along with stacker and reclaimer for transport of crushed limestone by wagons, EC amendment order is issued vide order No. J-11015/150/2008-IA.II (M) dated 07.08.2023. For the expansion proposal from 1.10 Million TPA to 2.50 Million TPA limestone, EC accorded vide order No. J-11015/443/2014-IA.II (M) dated 09.07.2024.
ii.	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	Being complied. <ul style="list-style-type: none"> There is no change in the calendar plan, excavation, quantum of mineral and waste. A quantity of 10,99,165 tonne limestone extracted in the financial year 2023-2024 as against 11,00,000 tonnes. For the expansion proposal from 1.10 Million TPA to 2.50 Million TPA limestone, EC accorded vide order No. J-11015/443/2014-IA.II (M) dated 09.07.2024.
iii.	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	Being complied. <ul style="list-style-type: none"> Fugitive dust generated during mining activities is controlled at the source by water spraying and wet drilling. 17 Nos. of bag filters are installed to control air pollution from the crushing and transportation activities associated in this mine. Water fogging system is arranged at crusher hopper. Compiled data on fugitive dust monitoring for the period from April 2024 to September 2024 is enclosed as Annexure – IV.
iv.	Four ambient air quality-monitoring stations shall be established in the core	Being complied. 4 and 9 Nos. of ambient air quality

S.No.	Condition	Compliance Status
	zone as well as in the buffer zone for RSPM, PM ₁₀ / PM _{2.5} , SO ₂ , NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical feature and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	monitoring stations are established in core and buffer zones respectively based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the SPCB and regular (fortnightly) manual monitoring by MoEF&CC approved external environmental monitoring agency (M/s Universal Enviro Associates, Hyderabad) for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x and CO monitoring.
v.	Data on ambient air quality (RSPM, PM ₁₀ / PM _{2.5} , SO ₂ , NO _x) should be made regularly submitted to the Ministry including its Regional office located at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months. The monitored data of criteria pollutants mentioned above shall be regularly uploaded on the company's website and also displayed at project site.	<p>Being complied.</p> <ul style="list-style-type: none"> • Ambient air quality monitoring is being done in buffer zone of the lease by MoEF&CC approved external environmental monitoring agency for PM₁₀, PM_{2.5}, SO₂, NO_x monitoring. As per the data, the ground level concentrations are within the NAAQ norms notified by MoEF&CC, GOI dated 16.11.2009. • Data of the Ambient Air Quality is being submitted to the Integrated Regional Office, MoEF&CC located at Vijayawada through mail (to ecompliance-ap@gov.in) and to CPCB through hard copy regularly once in six months. • The status of this EC compliance reports is being regularly uploaded in APPCB website i.e., https://pcb.ap.gov.in. • Compiled data for the period April 2024 to September 2024 is enclosed as Annexure – III. • The data is displayed at project site. • The half-yearly compliance reports are being uploaded on the company's website.
vi.	Measure shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.	<p>Being complied.</p> <ul style="list-style-type: none"> • Vehicles are being maintained properly for control of noise. • Ear plugs / muffs are provided to respective HEMM operators. • Various other precautions are also being taken to control the noise. • Compiled data of Noise levels measured in the period April 2024 to September 2024 is enclosed as Annexure –I.
vii.	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to	<p>Noted.</p> <ul style="list-style-type: none"> • There is no generation of waste water from this mine.

S.No.	Condition	Compliance Status
	conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	<ul style="list-style-type: none"> • Oil and Grease trap is installed at Workshop to treat the wastewater before let out. Outlet water quality analysis carried out by MoEF&CC approved external environmental agency. • Compiled data for the period April 2024 to September 2024 is enclosed as Annexure – VII.
viii.	Personnel working in dusting areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.	<p>Being complied.</p> <ul style="list-style-type: none"> • Personal Protective Equipment are being provided and adequate training and information on safety and health aspects are being provided as part Mines Vocational Training at our Ramco Mines Vocational Center. • All areas where dust is being generated is being suppressed at source by water sprinkling, wet drilling etc.
ix.	Provision shall be made for the housing the labourers 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.	<p>Noted.</p> <ul style="list-style-type: none"> • As the project is completed and there is no requirement of housing of the labour. • During the project time, the labourers were mobilized from the nearby villages. • The housing is provided in the colony located near cement plant, for the regular employees.
x.	A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	<p>Being complied.</p> <ul style="list-style-type: none"> • Environment management cell is established with qualified personnel to look after the environment management related activities and is reporting to Head of the Unit of the company. • The organization chart is enclosed as Annexure - VI.
xi. & xiii.	The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the projects by the concerned authorities and the date of start of land development work.	<p>Noted.</p> <p>Date of financial closure for this project is not required as total funding for this project is from own funds.</p>
xii.	The funds earmarked for environment protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bangalore.	<p>Being complied.</p> <ul style="list-style-type: none"> • The funds earmarked for environment protection are not diverted for other purposes. • The details of environmental protection expenditure along with funds allotted for

S.No.	Condition	Compliance Status
		the next financial year are being submitted to the Ministry along with half-yearly compliance reports regularly.
xiv.	The Regional Office of the Ministry located at Bangalore shall monitor compliances of the stipulated condition. The project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	<p>Being complied.</p> <ul style="list-style-type: none"> • The copy of this half-yearly compliance report is mailed to ecompliance-ap@gov.in, vide Notice from MoEF&CC, Chennai dated 13.08.2019. • The same is also uploaded in PARIVESH portal. • Necessary co-operation along with relevant data is being provided.
xv.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment & Forests, its Regional office, Bangalore, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status compliances of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment Forests, Bangalore.	<p>Being complied.</p> <ul style="list-style-type: none"> • The copy of this half-yearly compliance report is mailed to ecompliance-ap@gov.in, vide Notice from MoEF&CC, Chennai dated 13.08.2019. • The same is also uploaded in PARIVESH portal. • Soft copies of the compliance reports are being uploaded in the company's website. • The status of this EC compliance reports is being regularly uploaded in APPCB website i.e., https://pcb.ap.gov.in. • Half-yearly compliance reports for EC orders are also uploaded in our company's website regularly.
xvi.	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one which shall be in the vernacular language of the locality, / office of Municipal Corporation / Gram Panchayat concerned on the company's website within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in .	<p>Complied.</p> <ul style="list-style-type: none"> • Advertisement made on two local newspapers viz., Saakshi (Telugu daily) and Deccan Chronicle (English daily) on 12.12.2009 regarding the same and a copy of the same is forwarded to RO, Bangalore. • The clearance letter is uploaded in company's website.
xvii.	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while	<p>Being complied.</p> <p>The clearance letter is uploaded in company's website.</p>

S.No.	Condition	Compliance Status
	processing the proposal. The clearance letter shall be also put on the website of the company.	
xviii.	State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industries Centre and Collector's Office / Tehsildar's Office for 30 days.	Noted.
xix.	The Environmental Statement for each financial year ending 31 st March in Form - V as is mandated shall be submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules,1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions. The same shall also be sent to the Regional Office of Ministry by e-mail.	Being complied. <ul style="list-style-type: none"> • Environmental statement for each financial year ending 31st March in Form-V is being submitted to the State Pollution Control Board regularly. • The Environment Statement in Form V for the financial year 2023-2024 is submitted vide our Lr. No. RCL/PCB-Form-V/238/190 dated 16.09.2024 and is uploaded on the website of the company. • The same is sent to Regional Office of Ministry through email.



(Signature)

THE RAMCO CEMENTS LIMITED, KSR NAGAR
NOISE LEVEL MONITORING - RAMCO BUDAWADA LIMESTONE MINE
PERIOD - April 2024 to September 2024

Sl. No	Date of monitoring	Machine / Location	Noise Value dB(A)			
			Day time (6AM to 10PM)	Permissible Limit dB(A)	Night time (10PM to 6AM)	Permissible Limit dB(A)
1	28.09.2024	Drilling area	73.2	< 75	61.6	< 70
2	28.09.2024	Loading area	70.9	< 75	63.0	< 70
3	28.09.2024	Haul road - 1	72.7	< 75	61.4	< 70
4	28.09.2024	Haul road - 2	70.3	< 75	58.6	< 70
5	28.09.2024	Rest Shelter	52.9	< 75	41.6	< 70



ISO 9001 ISO 14001 ISO 45001 ISO 50001
Certified Company

Kumarasamy Raja Nagar – 521457
Jaggayyapet Mandal, Krishna District,
Andhra Pradesh, India
Phone: 08654 224400-04
Fax: 08654 222352
E-mail: mcljpm@ramcocements.co.in

THE RAMCO CEMENTS LIMITED

RCL/CGWB/RBLM-239/281

Dt. 26.11.2024

Central Ground Water Board,
3-6-291, GSI Post,
Bandlaguda,
HYDERABAD - 500 068.

Dear Sir,

Sub: Submission of water level data & ground water quality data for Environmental Clearances for Ramco Budawada Limestone Mine (RF) for the period from April 2024 to September 2024 – reg.

- Ref: 1. EC Lr. No. J-11015/443/ 2014-IA.II(M) dated 09.07.2024.
2. EC amendment order vide order No. J-11015/150/2008-IA-II(M) dated 07.08.2023.
3. EC Lr. No. J-11015/150/ 2008-IA.II(M) dated 10.12.2009.

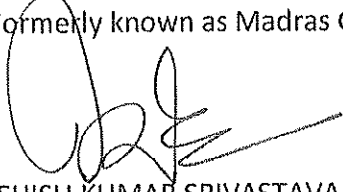
This has reference to the above cited Environmental Clearance letters and amendment order issued by Ministry of Environment & Forests, New Delhi for Ramco Budawada Limestone Mine (RF).

We herewith enclose the water level data measured by piezometers & ground water quality data as part of half-yearly compliance for Environmental Clearance for this Mining Lease located at Jaggayyapet Mandal, NTR (previously Krishna) District, Andhra Pradesh for the period from April 2024 to September 2024.

This is for your kind information and perusal please.

Thanking you,

Yours faithfully,
for The Ramco Cements Limited,
(Formerly known as Madras Cements Ltd.)


ASHISH KUMAR SRIVASTAVA
President (Mfg.)

Encl.: As above.

THE RAMCO CEMENTS LIMITED
WATER LEVEL DATA - RAMCO BUDAWADA LIMESTONE MINE (RF)
PERIOD - April 2024 to September 2024

1. PIEZOMETER DETAILS: Bore Well

Location: Budawada, North Side of Lease
 RL - (+)51.00m

Latitude - N 16° 51' 48.0" Longitude - E 080° 04' 34.7"
 Depth of well - 45.0 m

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	29.78
2	30.04.2024	30.65
3	16.05.2024	30.12
4	31.05.2024	29.96
5	16.06.2024	29.83
6	30.06.2024	29.45
7	16.07.2024	29.30
8	31.07.2024	27.12
9	16.08.2024	25.42
10	31.08.2024	22.34
11	16.09.2024	4.15
12	30.09.2024	4.68

3. PIEZOMETER DETAILS: New Bore Well

Location: Budawada, West Side of Lease
 RL - (+)51.00m

Latitude - N 16° 51' 30.2" Longitude - E 080° 03' 47.7"
 Depth of well - 45.0 m

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	30.02
2	30.04.2024	30.74
3	16.05.2024	30.03
4	31.05.2024	29.72
5	16.06.2024	29.1
6	30.06.2024	28.68
7	16.07.2024	28.02
8	31.07.2024	27.62
9	16.08.2024	27.32
10	31.08.2024	18.62
11	16.09.2024	19.58
12	30.09.2024	20.02

2. PIEZOMETER DETAILS: Bore Well

Location: Budawada, South West Side of Lease
 RL - (+)51.00m

Latitude - N 16° 51' 17.7" Longitude - E 80° 04' 01.6"
 Depth of well - 45.0 m

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	22.98
2	30.04.2024	24.47
3	16.05.2024	23.56
4	31.05.2024	22.79
5	16.06.2024	21.52
6	30.06.2024	20.87
7	16.07.2024	21.05
8	31.07.2024	18.15
9	16.08.2024	17.05
10	31.08.2024	14.12
11	16.09.2024	0.47
12	30.09.2024	0.75

THE RAMCO CEMENTS LIMITED, KSR NAGAR
RAMCO BUDAWADA LIMESTONE MINE (RF)
AMBIENT AIR QUALITY MONITORING DATA - CORE ZONE
PERIOD - April 2024 to September 2024

Location	Parameter	Month												Limit
		April 2024		May 2024		June 2024		July 2024		August 2024		September 2024		
		I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	
Near Weighbridge	PM 10	65.2	65.2	68.3	68.3	72.3	69.3	58.3	53.1	52.3	56.8	48.3	58.3	100
	PM 2.5	26.5	26.3	27.7	27.5	29.4	27.9	23.7	21.4	21.2	22.9	19.6	23.5	60
	SO ₂	13.2	14.6	15.3	15.3	16.8	16.5	14.6	13.2	16.2	16.2	14.8	14.3	80
	NO _x	16.0	16.9	18.1	17.6	19.6	18.8	17.4	15.5	19.0	18.5	17.6	16.6	80
Near Container	CO	536	539	542	546	568	568	489.0	486	472	498	439	523	2000
	PM 10	58.3	58.3	61.6	61.2	60.2	62.3	59.6	50.6	62.6	51.3	60.6	59.2	100
	PM 2.5	23.6	24.0	24.9	25.2	24.3	25.7	24.1	20.8	25.3	21.1	24.5	24.4	60
	SO ₂	15.1	17.3	13.9	16.2	15.3	17.3	13.2	10.1	14.3	13.3	15.1	12.9	80
East Side of ML area	NO _x	17.8	20.0	16.6	18.9	18.0	20.0	15.9	12.8	17.0	16.0	17.8	15.6	80
	CO	539	551	549	563	553	592	426.0	491	438	484	441	516	2000
	PM 10	56.9	66.9	69.3	67.3	65.4	68.6	60.1	54.6	63.9	53.9	59.6	52.6	100
	PM 2.5	23.4	27.3	28.6	27.5	26.9	28.0	24.8	22.3	26.3	22.0	24.6	21.5	60
West side of ML area	SO ₂	14.6	16.9	15.6	15.3	16.2	15.9	12.1	12.3	15.9	13.2	14.2	14.6	80
	NO _x	17.4	20.0	18.4	18.4	19.0	19.0	14.9	15.4	18.7	16.3	17.0	17.7	80
	CO	542	526	563	539	574	551	412.0	483	462	492	474	501	2000
	PM 10	61.4	53.2	63.9	55.2	60.9	54.3	52.8	57.1	54.2	49.6	51.3	48.3	100
West side of ML area	PM 2.5	25.3	22.1	26.3	23.0	25.1	22.6	21.8	23.8	22.3	20.6	21.1	20.1	60
	SO ₂	15.3	17.8	15.9	19.3	16.9	16.8	14.9	12.6	15.6	13.9	15.8	14.8	80
	NO _x	18.1	20.6	18.7	22.1	19.7	19.6	17.7	15.4	18.4	16.7	18.6	17.6	80
	CO	551	559	568	548	596	553	436.0	499	441	512	452	496	2000

Note: All values are mentioned in µg/m³

THE RAMCO CEMENTS LIMITED, KSR NAGAR
AMBIENT AIR QUALITY MONITORING DATA - BUFFER ZONE VILLAGES
PERIOD - April 2024 to September 2024

Location	Parameter	Month												Limit
		April 2024		May 2024		June 2024		July 2024		August 2024		September 2024		
		I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	
Dharmavarapupadu Tanda	PM 10	59.7	63.6	58.3	65.6	62.6	68.3	51.3	49.6	49.2	51.2	48.2	53.1	100
	PM 2.5	24.2	25.6	23.7	26.4	25.4	27.5	20.8	20.0	20.0	20.6	19.6	21.4	60
	SO ₂	16.1	15.3	16.8	16.2	15.3	17.8	10.6	9.6	12.3	10.6	10.6	11.4	80
	NO _x	18.7	18.0	19.4	18.9	17.9	20.5	13.2	12.3	14.9	13.3	13.2	14.1	80
	CO	292.0	221.0	299.0	232.0	312.0	241.0	296.0	241.0	301.0	162.0	296.0	150.0	2000
Jayanthipuram	PM 10	63.9	62.9	65.2	63.6	68.3	70.2	49.6	50.3	50.6	53.6	51.2	52.4	100
	PM 2.5	25.6	25.7	26.1	25.9	27.4	28.6	19.9	20.5	20.3	21.9	20.5	21.4	60
	SO ₂	16.9	16.2	17.3	16.3	18.3	18.3	12.3	12.3	13.1	12.3	12.9	13.5	80
	NO _x	19.8	19.1	20.2	19.2	21.2	21.2	15.2	15.2	16.0	15.2	15.8	16.4	80
	CO	281.0	241.0	296.0	248.0	286.0	252.0	13.8	252.0	326.0	154.0	324.0	149.0	2000
Chillakallu	PM 10	62.6	58.6	65.1	60.3	67.9	66.1	42.3	48.4	49.8	49.6	48.3	48.3	100
	PM 2.5	25.3	23.7	26.3	24.4	27.4	26.8	17.1	19.6	20.1	20.1	19.5	19.6	60
	SO ₂	14.3	20.2	15.2	21.2	19.6	17.2	11.1	11.6	12.6	11.6	11.6	11.9	80
	NO _x	17.0	23.3	17.9	24.3	22.3	20.3	13.8	14.7	15.3	14.7	14.3	15.0	80
	CO	274.0	216.0	281.0	226.0	274.0	239.0	291	239.0	310	263.0	318.0	242.0	2000
K.Agraharam Village	PM 10	62.8	55.2	63.9	58.9	65.1	59.3	50.4	52.6	50.3	52.8	52.4	50.4	100
	PM 2.5	25.3	22.5	25.8	24.0	26.2	24.2	20.3	21.5	20.3	21.5	21.1	20.6	60
	SO ₂	15.4	21.4	16.3	22.3	18.4	19.1	10.9	13.1	12.9	12.9	10.8	12.4	80
	NO _x	18.5	23.8	19.4	24.7	21.5	21.5	14	15.0	16	15.3	13.9	14.8	80
	CO	261.0	244.0	269.0	245	301.0	255.0	274	255.0	336	149.0	326.0	151.0	2000
Jaggayyapet	PM 10	66.1	58.3	68.4	56.2	72.3	58.2	50.9	50.3	52.6	48.2	51.6	49.3	100
	PM 2.5	27.2	23.6	28.1	22.7	29.7	23.5	20.9	20.3	21.6	19.5	21.2	19.9	60
	SO ₂	16.2	19.2	15.9	21.4	17.1	22.3	10.7	10.2	13.2	10.6	12.6	11.6	80
	NO _x	18.6	22.2	18.3	24.4	19.5	25.3	13.1	13.2	15.6	13.6	15.0	14.6	80
	CO	268.0	212.0	288.0	232.0	293.0	248.0	256.0	248.0	324	254.0	313.0	248.0	2000
Budawada	PM 10	65.2	61.4	66.3	63.1	62.9	62.1	47.3	49.8	43.8	50.6	45.9	48.4	100
	PM 2.5	25.8	25.2	26.2	25.9	24.8	25.5	18.7	20.5	17.3	20.8	18.1	19.9	60
	SO ₂	16.6	16.3	17.2	17.3	17.9	18.4	10.1	9.8	12.6	12.8	10.3	12.3	80
	NO _x	19.4	18.9	20.0	19.9	20.7	21.0	12.9	12.4	15.4	15.4	13.1	14.9	80
	CO	284.0	239.0	291.0	249	312.0	255.0	63.0	255.0	309	216.0	302.0	218.0	2000
Vedadri	PM 10	63.9	67.2	64.6	69.2	69.1	68.3	45.6	51.6	46.9	51.3	44.3	50.6	100
	PM 2.5	26.1	26.7	26.4	27.5	28.2	27.2	18.6	20.5	19.1	20.4	18.1	20.1	60
	SO ₂	16.1	18.4	16.9	19.2	15.4	21.4	10.2	12.4	11.9	12.1	11.4	11.9	80
	NO _x	18.4	21.2	19.2	22	17.7	24.2	12.0	15.2	14	14.9	13.7	14.7	80
	CO	277.0	259.0	283.0	262	287.0	274.0	242.0	274.0	256	281.0	289.0	274.0	2000
Pochampalli	PM 10	61.6	59.1	67.2	61.2	63.2	59.6	43.8	47.3	45.2	49.2	42.9	47.3	100
	PM 2.5	25.2	24.0	27.5	24.8	25.8	24.2	17.9	19.2	18.5	20.0	17.5	19.2	60
	SO ₂	16.2	17.1	17.3	18.9	16.2	17.3	12.3	10.6	13.6	12.4	12.9	12.6	80
	NO _x	19.1	19.4	20.2	21.2	19.1	19.6	15.2	12.9	16.5	14.7	15.8	14.9	80
	CO	273.0	256.0	292.0	259	263.0	263.0	258.0	263.0	263	288.0	274.0	279.0	2000
Ravirala	PM 10	62.8	58.4	66.9	62.3	70.6	65.2	42.9	45.2	43.6	47.8	41.7	45.6	100
	PM 2.5	25.6	23.8	27.2	25.4	28.7	26.6	17.5	18.4	17.7	19.5	17.0	18.6	60
	SO ₂	16.9	16.9	17.8	17.4	16.0	18.2	11.1	12.2	12.8	13.2	13.5	11.1	80
	NO _x	19.9	19.8	20.8	20.3	19.0	21.1	14.1	15.1	15.8	16.1	16.5	14.0	80
	CO	312.0	274.0	333.0	283	274.0	291.0	212.0	291.0	258	299	261	283.0	2000

Note: All values are mentioned in $\mu\text{g}/\text{m}^3$

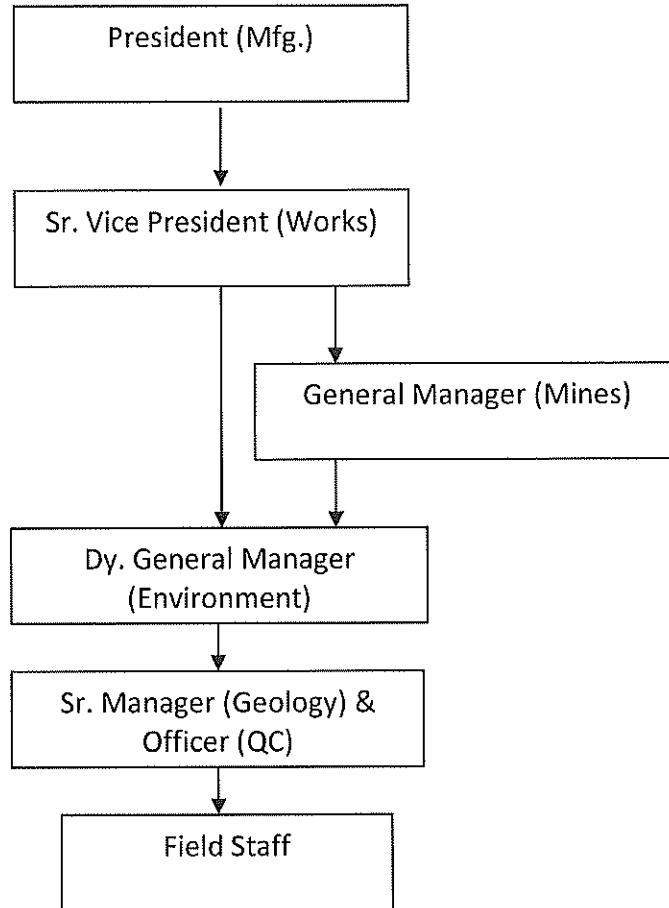
Annexure- IV

**THE RAMCO CEMENTS LIMITED, KSR NAGAR
RAMCO BUDAWADA LIMESTONE MINE (RF)
FUGITIVE EMISSION DATA - SPM CONCENTRATION
PERIOD - April 2024 to September 2024**

Location	Month					
	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024
Quarry Edge	139	15	162	112	136	148
Drilling Arrea	126	139	143	123	140	165
Loading Area	138	155	150	109	129	180
Haul Road (Near School located at K-Agraharam	149	161	172	129	147	161

Note: All values are mentioned in $\mu\text{g}/\text{m}^3$

**THE RAMCO CEMENTS LIMITED, KSR NAGAR
ORGANIZATIONAL CHART OF ENVIRONMENTAL CELL**



THE RAMCO CEMENTS LIMITED, KSR NAGAR
AUTO GARAGE OIL & GREASE TRAP OUTLET WATER QUALITY DATA
PERIOD - April 2024 to September 2024

S.No	Parameter	Unit	Month						Range / Average	Norm
			April 2024	May 2024	June 2024	July 2024	August 2024	September 2024		
1	p ^H		7.88	7.79	7.83	7.98	7.48	7.52	7.52 - 7.98	5.5 - 9.0
2	Total Dissolved Solids	mg/L	823	856	891	978	952	911	902	2100
3	Total Suspended Solids	mg/L	70.6	73.6	75.3	70.6	73.6	70.2	72.3	100
4	Chemical Oxygen Demand	mg/L	123	131	148	139	126	118	131	250
5	BOD (for 3 days at 27 °C)	mg/L	43.9	45.2	42.3	40.6	42.3	43.6	42.98	100
6	Oil & Grease	mg/L	2.4	2.8	2.2	1.3	1.4	1.7	1.97	10