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THE RAMCO CEMENTS LIMITED

RCL/MoEF&CC/RBLM-239/648

Dt. 24.11.2023

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 2023 to September 2023 – Reg.

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

We are herewith submitting the Half-Yearly Compliance Reports for Environmental Clearances for the period from April 2023 to September 2023 along with relevant enclosures for Ramco Budawada Limestone Mine (RF), Jaggayyapet Mandal, NTR District, Andhra Pradesh.

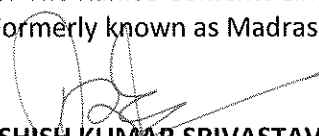
Name, designation and contact details of person in-charge of environmental division are:

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.: a.a

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

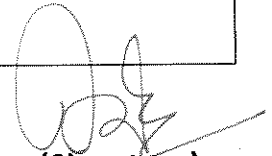
HALF-YEARLY COMPLIANCE REPORT

Environmental Clearance Letter/s No. and Date	Amendment Order No. J-11015/150/2008-IA.II (M) and dated 07.08.2023
Name of the Project	The Ramco Cements Limited (Formerly Madras Cements Ltd.), Ramco Budawada Limestone Mine (RF) – 1.1 Million TPA Capacity of Limestone – Amendment regarding railway siding, Stacker & reclaimer and associated equipment
Period of Compliance Report	April 2023 to September 2023

A. 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.	Noted. Erection of railway line is under progress to adhere to the same.
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.	Noted. Erection of railway line is under progress to adhere to the same.
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.	Noted. Erection of railway line is under progress to adhere to the same.
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. <ul style="list-style-type: none"> No Schedule – I species are present in core & buffer zones of the mining lease area. However, Regular follow-up is being made with Forest Officials regarding Conservation Plan. The status of Conservation Plan will be submitted to Ministry's Integrated Regional Office in the six monthly compliance report.
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 survival rate shall be submitted to the Ministry's Integrated Regional Office.	Being complied. <ul style="list-style-type: none"> 14,037 Nos. of plants are planted over an area of 3.50 Ha all along the boundary up to September 2023. Survival rate is about 90%. Plantation will be continued further.

S.No.	Condition	Compliance Status
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. PRR05-11028/45/2018-SLNA-GIS-CORD dated 13.11.2021, which is valid up to 12.11.2024 for drawl of 7000 m ³ /day water from the available quantity of water from the mine de-watering only (which includes for this mine also).
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	The Ramco Cements Limited (Formerly Madras Cements Ltd.), Ramco Budawada Limestone Mine (RF) – 1.1 Million TPA Capacity Of Limestone
Period of Compliance Report	April 2023 to September 2023

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 is extracted 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.	Being complied. <ul style="list-style-type: none"> No Schedule – I species are present in core & buffer zones of the mining lease area. However, regular follow-up is being made with Forest Officials regarding Conservation Plan. The status of Conservation Plan will be submitted to Ministry's Integrated Regional Office in the six monthly compliance report.
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. 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. The ground water data for the period April to September 2023 is being submitted to the CGWB and enclosed as Annexure-I.
iv.	A 50 m barrier of no mining zone on the	Not applicable, as no nallah or stream is

S.No.	Condition	Compliance Status
	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.	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) ○ 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.	Being complied. Personnel dust sampling is being done by MoEF&CC approved external environmental monitoring agency.
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	Noted. <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.

S.No.	Condition	Compliance Status
	six months.	
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.	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 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.
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.	Being complied. <ul style="list-style-type: none"> • Fugitive dust generated during mining activities is being controlled by water spraying and implementing wet drilling. • There are no human habitations including schools and other public amenities located nearer to the mine. • Fugitive dust monitoring data (within ML) for the period from April to September 2023 is enclosed Annexure – II.
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.	Complied. 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.
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.	Being complied. <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

S.No.	Condition	Compliance Status
		September 2023. <ul style="list-style-type: none"> 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.	Being complied. <ul style="list-style-type: none"> Ground water quality is being monitored in buffer zone and records are being maintained. Compiled data on analysis reports of the same for the period from April 2023 to September 2023 is enclosed as Annexure - III. It is observed from the ground water 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	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

S.No.	Condition	Compliance Status
	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 conducted followed by follow up action wherever required.	<p>measures like the use of PPE are also being imparted.</p> <ul style="list-style-type: none"> • 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. • 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. • 14037 Nos. of plants are planted over an area of 3.50 Ha all along the boundary up to September 2023. Survival rate is about 90%. • 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	<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

S.No.	Condition	Compliance Status
	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.	submitted to the ministry on six monthly basis.
xxii.	Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.	Noted. Ultimate pit slope of the Mining bench will be 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. • 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	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.

S.No.	Condition	Compliance Status
	escape during the course of transportation. No overloading of ores for transportation shall be committed.	
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 Modifications in the Mining plan approved by IBM is valid from 2022-2023 to 2023-2024.
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:

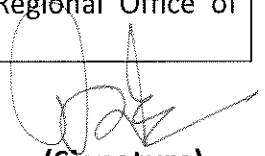
S.No.	Condition	Compliance Status
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Being complied. <ul style="list-style-type: none"> For establishing the Railway siding along with stacker and reclaimer for transport of crushed limestone by wagons, EC amendment order is issued vide order No. J-11015/150/2008-IA.II (M) dated 07.08.2023.
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 4,66,400 tonne limestone extracted in the financial year 2022-2023 as against 1.10 million TPA. With respect to expansion project from 1.10 Million TPA to 2.50 Million TPA (Proposal No. IA/AP/MIN/25556/2014), public hearing was held in the year 2016 and EAC meeting was held in the year 2017. Because of lower production, EAC deferred the project. We have requested the Ministry to relist the project and Ministry relisted on 31.07.2023. The proposal is in process.
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. Fugitive dust generated during mining activities is controlled at the source by water spraying and wet drilling.
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.	Being complied. <ul style="list-style-type: none"> • Data of the Ambient Air Quality is being submitted to the Regional Office, MoEF&CC, Chennai and the SPCB regularly once in six months. • Compiled data for the period April 2023 to September 2023 is enclosed vide Annexure – IV. • The data is displayed at project site. • The half-yearly compliance reports are being uploaded on the company's website. • The copy of this half-yearly compliance reports is being submitted to CPCB, Chennai.
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.	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 2023 to September 2023 is enclosed as Annexure – V.
vii.	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 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.	Noted. There is no generation of waste water from this mine as there is no workshop is being maintained separately for this mine at site.
viii.	Personnel working in dusting areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on	Being complied. <ul style="list-style-type: none"> • Personal Protective Equipment are being provided and adequate training and information on safety and health aspects

S.No.	Condition	Compliance Status
	safety and health aspects.	are being provided as part Mines Vocational Training at our Ramco Mines Vocational Center. <ul style="list-style-type: none"> 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.	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. 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.	Being complied. <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.	Noted. Date of financial closure for this project is not required as total funding for this project is from own funds.
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.	Being complied. <ul style="list-style-type: none"> The funds earmarked for environment protection are not diverted for other purposes. The details of environmental protection expenditure for the financial year 2022-2023 and funds allotted for the financial year 2023-2024 are enclosed as Annexure - VII.
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.	Being complied. <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	Being complied.

S.No.	Condition	Compliance Status
	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.	<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. Half-yearly compliance reports for CFO order are submitted to APPCB regularly. 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 to the 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 processing the proposal. The clearance letter shall be also put on the website of the company.	<p>Being complied.</p> <p>The clearance letter is uploaded to the company's website.</p>
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	<p>Being complied.</p> <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

S.No.	Condition	Compliance Status
	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.	<p>the financial year 2022-2023 is submitted vide our Lr. No. RCL/PCB-Form-V/238/606 dated 25.09.2023 and is uploaded on the website of the company.</p> <ul style="list-style-type: none"> • The same is sent to Regional Office of Ministry through email.


(Signature)



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: mclipm@ramcocements.co.in

THE RAMCO CEMENTS LIMITED

RCL/CGWB/RBLM-239/653

Dt. 26.10.2023

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

Dear Sir,

Sub: Submission of water level data & water quality data for Environmental Clearances for Ramco Budawada Limestone Mine (RF) for the period from April 2023 to September 2023 - reg.

Ref: 1. EC Lr. No. J-11015/150/ 2008-IA.II(M) dated 10.12.2009.

2. EC amendment order vide order No. J-11015/150/2008-IA-II(M) dated 07.08.2023.

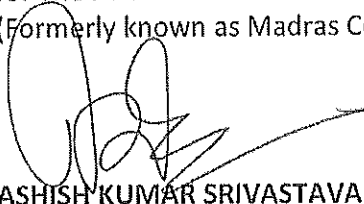
This has reference to the above cited Environmental Clearance letters issued by Ministry of Environment & Forests, New Delhi for Ramco Budawada Limestone Mine (RF).

We herewith enclose the water level data measured by piezometers & water quality data as part of half-yearly compliance for Environmental Clearance for this Mining Lease located at Jaggayyapet Mandal, NTR District, Andhra Pradesh for the period from April 2023 to September 2023.

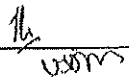
This is for your kind information and perusal please.

Thanking you,

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


ASHISH KUMAR SRIVASTAVA
President (Mfg.)

Encl.: a.a



THE RAMCO CEMENTS LIMITED
RAMCO BUDAWADA LIMESTONE MINE (RF)
WATER LEVEL DATA

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	16.04.2023	26.15
2	30.04.2023	26.73
3	16.05.2023	27.45
4	31.05.2023	27.95
5	16.06.2023	28.45
6	30.06.2023	28.92
7	16.07.2023	24.14
8	31.07.2023	24.32
9	16.08.2023	25.19
10	31.08.2023	25.11
11	16.09.2023	24.38
12	29.09.2023	22.79

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	16.04.2023	24.28
2	30.04.2023	24.56
3	16.05.2023	24.86
4	31.05.2023	25.62
5	16.06.2023	26.04
6	30.06.2023	26.78
7	16.07.2023	23.26
8	31.07.2023	23.76
9	16.08.2023	23.55
10	31.08.2023	22.19
11	16.09.2023	22.06
12	29.09.2023	19.49

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	16.04.2023	15.78
2	30.04.2023	16.93
3	16.05.2023	17.42
4	31.05.2023	18.98
5	16.06.2023	19.52
6	30.06.2023	20.05
7	16.07.2023	14.53
8	31.07.2023	14.59
9	16.08.2023	15.12
10	31.08.2023	15.10
11	16.09.2023	15.06
12	29.09.2023	14.32



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ANNEXURE - II
Recognised by NABL and
MoEF & CC, GOI, New Delhi.
Certified by ISO 9001: 2015 and
ISO 45001: 2018

TEST REPORT

REGD NO: UEA/TRCL/R01/0923

Date: 11-09-2023

FUGITIVE EMISSION DATA

Name of the Industry &
Address

: **M/s. Ramco Budawada Limestone Mine (RF),**
The Ramco Cements Limited.,
KSR Nagar, Jaggayyapet (M),
NTR (Dist.), Andhra Pradesh.

S No	Parameter details	Unit	Method of Sampling	Result
				Drilling Area
1	Date of monitoring	--	--	06-09-2023
2	Total time of monitoring	Hrs	--	24
3	Average flow rate	m ³ /min	--	1.13
4	PM _{2.5}	µg/m ³	Gravimetric Method	32.9
5	PM ₁₀	µg/m ³	Gravimetric Method	71.6
6	Sulphur DI-Oxide	µg/m ³	Improved west and Gaeke Method	18.3
7	Oxides of Nitrogen	µg/m ³	Modified Jacob and Hochheiser Method	21.6


Analyst


Authorized Signatory

RESPIRABLE DUST SAMPLER MODEL RDS 9000/080845, NEXT CALIBRATION DUE ON 27/06/24.
FINE PARTICULATE SAMPLER MODEL FPS 9000/110708, NEXT CALIBRATION DUE ON 14/08/24.

178, Ramakrishna Nagar, Opp. IOCL, Chengicherla, Hyderabad - 500 039.

Ph: 040 - 4890 8772, e-mail: uca123@gmail.com, www.universalenviro.in

WTP, STP, ETP & ZLD (Supply, O&M) | POLLUTION TESTING & ANALYSIS | ENV. AUDIT | OTHER ENV. SERVICES

Note: This report is subject to the terms and conditions mentioned overleaf



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Certified by ISO 9001:2015 and
ISO 45001:2018

TEST REPORT

REGD NO: UEA/TRCL/R02/0923

Date: 11-09-2023

FUGITIVE EMISSION DATA

Name of the Industry & Address : **M/s. Ramco Budawada Limestone Mine (RF),**
The Ramco Cements Limited.,
KSR Nagar, Jaggayyapet (M),
NTR (Dist.), Andhra Pradesh.

S No	Parameter details	Unit	Method of Sampling	Result
				Loading Area
1	Date of monitoring	--	--	06-09-2023
2	Total time of monitoring	Hrs	--	24
3	Average flow rate	m ³ /min	--	1.11
4	PM _{2.5}	µg/m ³	Gravimetric Method	28.9
5	PM ₁₀	µg/m ³	Gravimetric Method	70.1
6	Sulphur Di-Oxide	µg/m ³	Improved west and Gaeke Method	16.9
7	Oxides of Nitrogen	µg/m ³	Modified Jacob and Hochheiser Method	21.4


Analyst


Authorized Signatory

RESPIRABLE DUST SAMPLER MODEL RDS 9000/080846, NEXT CALIBRATION DUE ON 27/06/24.
FINE PARTICULATE SAMPLER MODEL FPS 9000/110707, NEXT CALIBRATION DUE ON 14/08/24.

178, Ramakrishna Nagar, Opp. IOCL, Chengicherla, Hyderabad - 500 039.
Ph: 040 - 4890 8772, e-mail: uea123@gmail.com, www.universalenviro.in
WTP, STP, ETP & ZLD (Supply, O&M) | POLLUTION TESTING & ANALYSIS | ENV. AUDIT | OTHER ENV. SERVICES

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ISO 45001: 2018

TEST REPORT

REGD NO: UEA/TRCL/R03/0923

Date: 11-09-2023

FUGITIVE EMISSION DATA

Name of the Industry & Address : **M/s. Ramco Budawada Limestone Mine (RF),**
The Ramco Cements Limited.,
KSR Nagar, Jaggayyapet (M),
NTR (Dist.), Andhra Pradesh.

S No	Parameter details	Unit	Method of Sampling	Result
				Haul Road
1	Date of monitoring	--	--	06-09-2023
2	Total time of monitoring	Hrs	--	24
3	Average flow rate	m ³ /min	--	1.13
4	PM _{2.5}	µg/m ³	Gravimetric Method	24.2
5	PM ₁₀	µg/m ³	Gravimetric Method	68.3
6	Sulphur Di-Oxide	µg/m ³	Improved west and Gaeke Method	15.3
7	Oxides of Nitrogen	µg/m ³	Modified Jacob and Hochheiser Method	19.1


Analyst


Authorized Signatory

RESPIRABLE DUST SAMPLER MODEL RDS 9000/080847, NEXT CALIBRATION DUE ON 27/06/24.
FINE PARTICULATE SAMPLER MODEL FPS 9000/110709, NEXT CALIBRATION DUE ON 14/08/24.

178, Ramakrishna Nagar, Opp. IOCL, Chengicherla, Hyderabad - 500 039.

Ph: 040 - 4890 8772, e-mail: uea123@gmail.com, www.universalenviro.in

WTP, STP, ETP & ZLD (Supply, O&M) | POLLUTION TESTING & ANALYSIS | ENV. AUDIT | OTHER ENV. SERVICES

Note: This report is subject to the terms and conditions mentioned overleaf

PERIOD - APRIL -2023 to SEPTEMBER-2023

S. No	Parameter	Unit	Dharmavarapadu Thanda Bore Well Water: July-2023 to Sep-2023	Chilakallu Open Well Water: July-2023 to Sep-2023	K.Agraharam Bore Well Water: July-2023 to Sep-2023	Pochampalli Bore Well Water: July-2023 to Sep-2023	Jayanthipuram Bore Well Water: July-2023 to Sep-2023	Ravirala Bore Well Water: July-2023 to Sep-2023	Vedadri Bore Well Water: July-2023 to Sep-2023	Budawada Bore Well Water: July-2023 to Sep-2023	Jaggayyapet Bore Well Water: July-2023 to Sep-2023	Limits
			W1	W2	W3	W4	W5	W6	W7	W8	W9	
1	p ^H	-	7.63	7.49	7.52	7.38	7.67	7.91	7.63	7.61	7.92	6.5 - 8.5
2	Colour	Hazen	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5-15
3	Temperature	°C	27.2	28.1	27.2	29.1	29.1	29.8	28.3	29.1	28.4	--
4	Turbidity	NTU	1.1	1.4	1.2	1.5	1.8	1.9	1.7	1.8	1.2	1-5
5	Residual Chloride	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2-1
6	Dissolved Oxygen	mg/L	4.8	4.1	4.7	4.9	5.1	4.9	5.2	4.9	4.6	--
7	Total Suspended Solids	mg/L	29.6	28.3	28.6	27.1	28.6	33.1	38.6	36.8	39.6	--
8	Electrical Conductivity	µmhos/cm	921.0	874.0	946.0	839.0	938.0	873.0	912.0	926	789.0	--
9	Total Dissolved Solids	mg/L	543.0	542.0	561.0	471.0	561.0	568.0	542.0	563.0	539.0	500-2000
10	Total Hardness (as CaCO ₃)	mg/L	242.0	271.0	292.0	223.0	312.0	282.0	274.0	251.0	254.0	200-600
11	Calcium Hardness	mg/L	140.0	137.0	141.0	108.0	181.0	159.0	161.0	142.0	121.0	--
12	Magnesium Hardness	mg/L	108.0	212.0	128.0	142.0	134.0	123.0	145.0	142.0	123.0	--
13	Calcium (as Ca)	mg/L	54.1	63.1	64.2	53.1	55.3	54.6	54.9	57.1	46.2	75-200
14	Magnesium (as Mg)	mg/L	33.6	26.8	27.1	26.2	32.3	19.6	26.8	28.4	23.7	30-100
15	Sodium (as Na)	mg/L	46.2	43.5	49.1	38.6	56.2	43.1	48.6	49.3	37.1	-
16	Potassium (as K)	mg/L	1.8	4.3	7.1	1.8	2.9	3.3	5.1	3.6	2.9	-
17	Chloride (as Cl)	mg/L	148.0	141.0	137.0	121.0	170.0	153.0	152.0	148.0	131.0	250-1000
18	Sulphate (as SO ₄)	mg/L	36.1	38.6	44.1	38.2	45.1	36.2	36.1	36.9	334.0	200-400
19	Total Alkalinity (as CaCO ₃)	mg/L	145.0	139.0	112.0	119.0	139.0	136.0	138.0	141.0	98.3	200-600
20	BOD (for 3 days at 27 °C)	mg/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	--
21	Chemical Oxygen Demand	mg/L	18.6	25.4	29.9	24.2	23.1	22.1	18.6	18.9	17.8	--
22	Oil & Grease	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--
23	Iron (as Fe)	mg/L	0.0	0.21	0.2	0.7	0.1	0.06	0.17	0.19	0.09	0.3
24	Fluoride (as F)	mg/L	0.17	0.28	0.31	0.29	0.24	0.25	0.31	0.28	0.34	1.0-1.5
25	Nitrate (as NO ₃)	mg/L	0.89	1.23	0.78	0.41	0.59	0.67	0.62	0.37	0.41	45
26	Phosphates (as PO ₄)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
27	Cyanide (as CN)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
28	Pesticides (as Malathoin)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
29	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
30	Manganese (as Mn)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
31	Chromium (as Cr ⁺⁶)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
32	Copper (as Cu)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	1.5
33	Selenium as Se	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
34	Aluminium (as Al)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
35	Cadmium (as Cd)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
36	Arsenic as As	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
37	Boron (as B)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	2
38	Mercury (as Hg)	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
39	Lead (as Pb)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.1
40	Zinc (as Zn)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	1.5 - 15
41	Percent Sodium	%	49.70	45.30	39.10	36.30	46.80	41.60	42.90	37.10	38.90	-
42	Total Coliforms	MPN/100 mL	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	50-5000
43	Faecal Coliforms	MPN/100 mL	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	-
44	E.Coli	MPN/100 mL	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	-

THE RAMCO CEMENTS LIMITED, KSR NAGAR
RAMCO BUDAWADA LIMESTONE MINE (RF)
AMBIENT AIR QUALITY MONITORING DATA - CORE ZONE
PERIOD - APRIL -2023 to SEPTEMBER-2023

Location	Parameter	Month												Limit
		April-2023		May-2023		June-2023		July-2023		August-2023		September-2023		
		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	63.6	70.6	71.2	73.5	63.5	71.2	60.6	53.5	60.6	58.3	63.5	55.9	100
	PM 2.5	25.8	28.5	28.7	29.6	25.8	28.7	24.6	21.6	24.6	23.5	25.8	22.5	60
	SO ₂	19.3	20.2	19.8	22.7	19.8	19.8	16.3	13.9	14.3	15.9	15.1	14.8	80
	NO _x	22.1	22.5	22.1	25.0	22.6	22.1	19.1	16.2	17.1	18.2	17.9	17.1	80
	CO	683	658	652	623	658	652	586.0	501	621	515	601	523	2000
Near Container	PM 10	67.1	69.3	70.3	70.6	69.2	70.3	63.8	50.6	61.3	55.1	62.9	53.8	100
	PM 2.5	27.1	28.6	29.0	29.1	28.0	29.0	25.8	20.8	24.8	22.7	25.4	22.2	60
	SO ₂	19.6	21.4	21.2	20.6	20.2	21.2	15.4	15.1	17.1	14.6	16.2	15.3	80
	NO _x	22.3	24.1	23.9	23.3	22.9	23.9	18.1	17.8	19.8	17.3	18.9	18.0	80
	CO	659	656	698	611	669	698	510.0	489	510	521	523	512	2000
East Side of ML area	PM 10	65.2	66.2	72.4	71.4	66.8	72.4	61.6	54.2	62.9	54.3	60.2	55.2	100
	PM 2.5	26.9	27.0	29.5	29.1	27.5	29.5	25.4	22.1	25.9	22.2	24.8	22.5	60
	SO ₂	18.3	20.3	21.3	21.3	19.1	21.3	16.1	13.9	15.4	14.7	16.5	14.2	80
	NO _x	21.1	23.4	24.4	24.4	21.9	24.4	18.9	17.0	18.2	17.8	19.3	17.3	80
	CO	626	639	636	642	636	636	531.0	521	512	539	539	535	2000
West side of ML area	PM 10	68.9	65.3	75.1	73.8	71.2	75.1	65.9	52.9	61.8	52.1	62.3	54.6	100
	PM 2.5	28.1	27.2	31.2	30.7	29.0	31.2	26.9	22.0	25.2	21.7	25.4	22.7	60
	SO ₂	20.1	22.6	18.3	19.8	21.3	18.3	14.2	13.6	16.9	14.1	15.3	14.8	80
	NO _x	22.6	25.4	21.1	22.6	23.8	21.1	16.7	16.4	19.4	16.9	17.8	17.6	80
	CO	589	658	661	625	601	661	563.0	506	543	531	558	528	2000

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

THE RAMCO CEMENTS LIMITED, KSR NAGAR
AMBIENT AIR QUALITY MONITORING DATA - BUFFER ZONE VILLAGES
PERIOD - APRIL -2023 to SEPTEMBER-2023

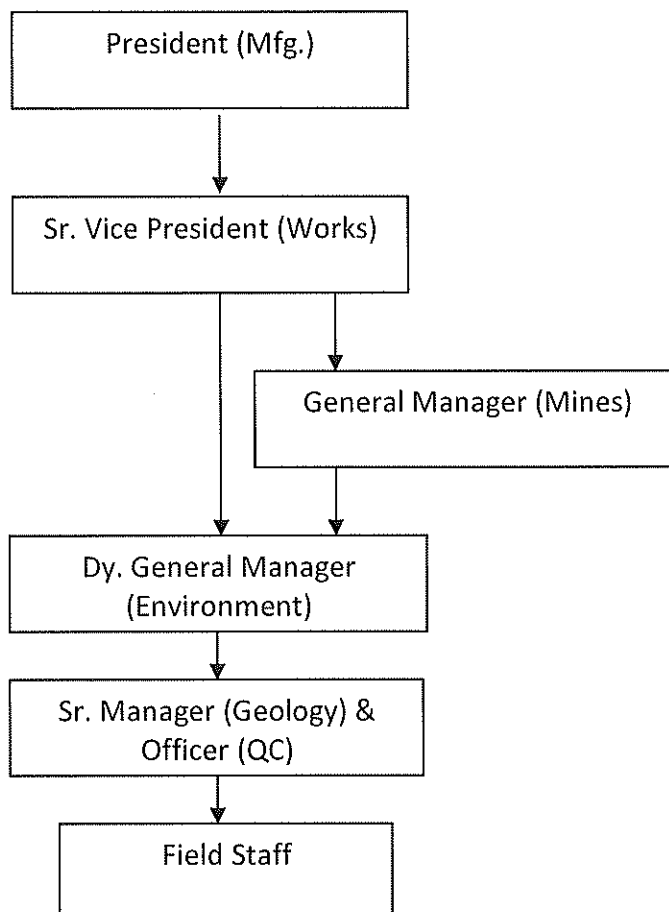
Location	Parameter	Month												Limit
		April-2023		May-2023		June-2023		July-2023		August-2023		September-2023		
		I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	I FORT NIGHT	II FORT NIGHT	
Dharmavarapupadu Tanda	PM 10	65.1	65.3	58.9	55.9	65.2	68.9	60.5	48.3	62.4	45.3	60.3	48.3	100
	PM 2.5	26.4	26.3	23.9	22.5	26.5	27.8	24.6	19.5	25.3	18.3	24.5	19.5	60
	SO ₂	16.3	19.2	16.2	17.2	16.2	19.6	12.3	18.2	13.4	17.3	12.9	18.2	80
	NO _x	18.9	21.9	18.8	19.9	18.0	22.3	14.9	20.9	16.0	20.0	15.5	20.9	80
	CO	291.0	277.0	239.0	272.0	312.0	278.0	284	248.0	214.0	254.0	199.0	261.0	2000
Jayanthipuram	PM 10	62.3	62.1	62.3	60.2	61.3	60.6	59.6	52.6	58.3	50.1	56.9	53.6	100
	PM 2.5	25.0	25.3	25.0	24.6	24.6	24.7	23.9	21.5	23.4	20.4	22.8	21.9	60
	SO ₂	16.1	17.1	15.9	16.3	15.3	18.3	13.5	16.3	13.1	15.1	11.6	16.3	80
	NO _x	19.0	20.0	18.8	19.2	18.2	21.2	16.4	19.2	16.0	18.0	14.5	19.2	80
	CO	256.0	289.0	261.0	269.0	303.0	269.0	212	212.0	202.0	223.0	206.0	242.0	2000
Chillakallu	PM 10	59.1	63.8	56.3	58.3	62.4	64.9	60.4	43.5	61.4	44.6	60.5	59.1	100
	PM 2.5	23.9	25.8	22.7	23.6	25.2	26.3	24.4	17.6	24.8	18.1	24.4	23.9	60
	SO ₂	16.9	18.3	16.1	17.9	17.3	15.6	12.6	14.2	12.9	12.9	10.9	14.5	80
	NO _x	19.6	21.4	18.8	21.0	20.0	18.7	15.3	17.3	15.6	16.0	13.6	17.6	80
	CO	245.0	278.0	259.0	301.0	321.0	274.0	236	235.0	209	239.0	201.0	249.0	2000
K.Agraharam Village	PM 10	58.3	64.6	60.1	56.1	60.6	65.3	58.3	42.6	59.2	41.9	57.3	43.6	100
	PM 2.5	23.5	26.4	24.2	22.9	24.4	26.6	23.5	17.4	23.9	17.1	23.1	17.8	60
	SO ₂	15.4	17.9	16.8	15.8	16.2	17.1	11.9	10.1	12.1	10.8	11.4	12.6	80
	NO _x	18.5	20.3	19.9	18.2	19.3	19.5	15	12.5	15.2	13.2	14.5	15.0	80
	CO	259.0	274.0	291.0	289.0	296.0	278.0	284	242.0	274	248.0	252.0	256.0	2000
Jaggayyapet	PM 10	57.2	58.4	62.9	72.1	63.5	60.2	54.6	58.4	53.5	56.2	51.6	58.1	100
	PM 2.5	23.5	23.6	52.9	29.1	26.1	24.3	22.4	23.6	22.0	22.7	21.2	23.5	60
	SO ₂	17.8	17.1	17.2	16.5	18.2	18.3	13.1	10.9	13.4	11.1	12.6	13.5	80
	NO _x	20.2	20.1	19.6	19.5	20.6	21.3	15.5	13.9	15.8	14.1	15.0	16.5	80
	CO	271.0	263.0	287.0	326.0	289.0	261.0	236.0	223.0	212	239.0	189.0	241.0	2000
Budawada	PM 10	61.3	67.3	65.6	59.7	62.8	69.1	55.3	52.9	52.8	50.3	50.8	52.6	100
	PM 2.5	24.2	27.7	25.9	24.5	24.8	28.4	21.8	21.7	20.9	20.7	20.1	21.6	60
	SO ₂	15.9	16.8	15.3	17.9	16.9	16.2	12.8	12.3	12.9	12.5	12.3	13.9	80
	NO _x	18.7	19.4	18.1	20.5	19.7	18.8	15.6	14.9	15.7	15.1	15.1	16.5	80
	CO	258.0	292.0	310.0	318.0	268.0	292.0	254.0	246.0	231	244.0	245.0	255.0	2000
Vedadri	PM 10	58.2	61.3	63.1	62.3	64.6	63.5	61.2	60.6	60.4	54.3	58.9	58.2	100
	PM 2.5	23.7	24.4	25.7	24.8	26.4	25.3	25.0	24.1	24.6	21.6	24.0	23.2	60
	SO ₂	16.3	17.1	16.9	18.2	17.1	16.9	14.2	11.2	13.2	12.8	12.5	13.8	80
	NO _x	18.6	19.9	19.2	21.0	19.4	19.7	16.5	14.0	15.5	15.6	14.8	16.6	80
	CO	274.0	274.0	290.0	291.0	271.0	274.0	235.0	248.0	232	251.0	252.0	263.0	2000
Pochampalli	PM 10	60.4	56.3	68.2	61.6	61.3	58.6	58.3	53.5	59.3	51.6	57.1	53.5	100
	PM 2.5	24.7	22.9	27.9	25.0	25.1	23.8	23.8	21.7	24.3	20.9	23.4	21.7	60
	SO ₂	15.5	16.9	17.3	17.1	15.3	17.1	13.5	14.1	13.3	14.2	13.1	15.1	80
	NO _x	18.4	19.2	20.2	19.4	18.2	19.4	16.4	16.4	16.2	16.5	16.0	17.4	80
	CO	288.0	268.0	312.0	307.0	299.0	259.0	216.0	261.0	229	268.0	236.0	274.0	2000
Ravirala	PM 10	57.9	60.2	64.1	60.8	65.9	62.8	59.7	60.1	57.1	55.3	55.4	57.9	100
	PM 2.5	23.6	24.2	26.1	24.8	26.8	25.6	24.3	24.5	23.2	22.6	22.5	23.6	60
	SO ₂	15.1	16.5	16.5	15.8	16.8	16.4	11.6	13.8	11.9	14.1	11.6	15.3	80
	NO _x	18.1	19.4	19.5	18.7	19.8	19.3	14.6	16.7	14.9	17.0	14.6	18.2	80
	CO	263.0	214.0	301.0	288.0	286.0	246.0	272.0	216.0	268	221.0	258.0	213.0	2000

Note: All values are mentioned in µg/m³

THE RAMCO CEMENTS LIMITED, KSR NAGAR
NOISE LEVEL MONITORING - RAMCO BUDAWADA LIMESTONE MINE
PERIOD - APRIL -2023 to SEPTEMBER-2023

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	27.09.2023	Drilling area	72.9	< 75	63.9	< 70
2	27.09.2023	Loading area	71.8	< 75	62.6	< 70
3	27.09.2023	Haul road - 1	73.6	< 75	60.1	< 70
4	27.09.2023	Haul road - 2	71.8	< 75	59.8	< 70
5	27.09.2023	Rest Shelter	53.9	< 75	40.2	< 70

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



THE RAMCO CEMENTS LIMITED
JAYANTHIPUAM GROUP OF LIMESTONE MINES
ENVIRONMENTAL PROTECTION ACCOUNT - CAPITAL & RECURRING EXPENDITURE DETAILS

Capital / Recurring	Description	For the year 2022-23, Lakh Rs.					Projected for 2023-24, Lakh Rs.				
		Jayanthipuram Limestone Mine (North Band)	Jayanthipuram Limestone Mine (South Band)	Ravirala Limestone Mine (Forest)	Ramco Budawada Limestone Mine (RF)	Total	Jayanthipuram Limestone Mine (North Band)	Jayanthipuram Limestone Mine (South Band)	Ravirala Limestone Mine (Forest)	Ramco Budawada Limestone Mine (RF)	Total
Recurring	Pollution Control - Nonel detonators	29.55	7.90	19.80	6.31	63.560	34.37	5.00	24.86	13.00	77.23
	Pollution Control - Water Sprinkling	31.66	6.98	19.22	6.14	64.00	32.00	3.00	20.00	15.00	70.00
	Pollution Monitoring	1.78	1.51	1.56	1.28	6.130	1.80	1.60	1.60	1.30	6.300
	Wet drilling	0.60	0.20	0.56	0.07	1.43	0.60	0.40	0.70	0.10	1.80
	Greenbelt	9.86	6.66	6.61	8.11	31.240	10.00	6.50	7.50	15.00	39.000
	Reclamation	485.29	0.00	0.00	0.00	485.294	475.00	0.00	0.00	0.00	475.000
	Total	558.74	23.25	47.75	21.91	651.65	553.77	16.50	54.66	44.40	669.330