



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

THE RAMCO CEMENTS LIMITED

RCL/MoEF&CC/47/2023-2024

07.11.2023

The Director,

IA. II(M) Division,
Ministry of Environment, Forests & Climate Change,
Vayu-305, Indira Paryavaran Bhavan,
Jorbagh Road, Lodhi Road,
New Delhi - 110 003.

Sub: Environmental Clearance Expansion proposal for Ramco Budawada Limestone Mine (RF) (ML area 160.0 ha and Limestone production capacity from 1.10 MTPA to 2.50 MTPA) of The Ramco Cements Limited in Jaggayyapet Village, Jaggayyapet Mandal, NTR (earlier Krishna) District, Andhra Pradesh – Submission of ADS Reply for the ADS raised on 27.10.2023 – Reg.

Ref:

1. Environmental Clearance for Ramco Budawada Limestone Mine (RF) issued vide order No. J-11015/150/2008-IA.II(M) dated 10.12.2009.
2. EC Expansion Proposal No. IA/AP/MIN/25556/2014 and file No. J -11015/443/2014-IA.II(M).
3. EAC (Non-Coal Mine) Committee meeting held on EAC Meeting held on 24.10.2017.
4. ADS raised on 01.11.2017.
5. Transfer of EC from 'M/s. Madras Cements Ltd.' to 'M/s. The Ramco Cements Limited' vide F.No. J-11015/150/2008-IA.II(M) dated 28.04.2023.
6. Environmental Clearance amendment order issued vide order No. J-11015/150/2008-IA.II(M) dated 07.08.2023.
7. ADS reply submitted on 10.08.2023.
8. ADS raised on 06.09.2023.
9. ADS reply submitted on 26.10.2023.
10. ADS raised on 27.10.2023.

Respected Sir,

We herewith humbly submit that Ministry has accorded Environmental Clearance (EC) order for our Ramco Budawada Limestone Mine (Reserve Forest) for production of 1.10 Million Tonne per Annum Limestone vide 1st cited above.

We have applied for Expansion proposal for this mine vide Proposal No. IA/AP/MIN/25556/2014 and File No. J -11015/443/2014-IA.II(M), for expansion in production capacity from 1.10 MTPA to 2.50 MTPA.

After conducting the Public hearing and submitting all the relevant documents for Final EIA, the project was considered in the EAC meeting held on 23-24th October, 2017. Based on the information furnished and discussion held, the Committee was of the view that only 10% of



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THE RAMCO CEMENTS LIMITED

the production has been achieved and proposal for expansion could not be justified by the PP. The Committee also observed that the PP did not develop the green belt around the Mining lease, which is one of the conditions of the earlier EC. PP submitted that they could not develop the green belt and achieve their rated production as they did not get permission from the other nearby mining lease owners to use the area under their control to approach their mining lease and due to this the production is less. PP also submitted that they are in process of resolving the issue pertaining to approach road. Therefore, the Committee decided to defer the proposal and instructed the PP to take steps to fulfil the conditions stipulated in earlier EC and resolve the issues pertaining to approach road. Subsequently, the proposal is delisted on 10.05.2018 as we have not submitted the reply for the ADS (in the meeting held on 24.10.2017) as the mine is not in operation regularly due to approach road issue with Rastriya Ispat Nigam Limited (RINL).

The approach road issue is in Honourable High Court of Andhra Pradesh.

To overcome the problem, our management decided to establish railway siding along with a stacker and reclaimer in the Mining lease area for transportation of limestone by wagons from the mine to cement plant located at Jayanthipuram. Based on our request, MoEF&CC accorded EC amendment vide order No. J-11015/150/2008-IA.II(M) dated 07.08.2023.

Having complied with all EC conditions, we have also now fulfilled more than 40% annual production from this lease area. The condition Green Belt development is also complied and the same was certified by the IRO in certified compliance. With installation of the railways siding and spurt in demand of cement production, we foresee additional limestone requirement from our Mining lease. Hence we are approaching the MoEF& CC to clear our pending Expansion proposal that was delisted earlier. Based on our request, Ministry relisted this expansion project on 31.07.2023. We have submitted ADS reply point wise vide reference 7th cited above.

It is understood from the website of MOEF&CC that ADS is raised on 06.09.2023. We have submitted ADS reply on 26.10.2023 vide our letter No. RCL/MoEF&CC/40/2023-2024.

Based on the same, another ADS is raised on 27.10.2023 and copy of the EC report is enclosed as Annexure – I. We are herewith submitting the compliance for the ADS point:



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Jaggayyapet Mandal, Krishna District,
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THE RAMCO CEMENTS LIMITED

S. No.	ADS Point raised	Present Status
i.	Sir, Being an expansion proposal, the Project Proponent is kindly requested to submit the latest certified compliance report as per Ministry's OM dated 08.06.2022 wherein it has mentioned that "for the proposals involving expansion of existing EC, CCR issued by the concerned Authority shall be valid for a period of one year from the date of inspection of the project".	The latest Certified compliance report issued by IRO, MoEF&CC, Vijayawada vide letter No. IRO/VIJ/EPA/EC-A/101/05-86/2023 dated 07.11.2023 is enclosed herewith as Annexure - II.

We humbly request the Ministry to process our proposal for grant of Environmental Clearance for Ramco Budawada Limestone Mine (RF) for expansion in production capacity from 1.10 MTPA to 2.50 MTPA of limestone [Proposal No. IA/AP/MIN/25556/2014 & File No. J -11015/443/2014-IA.II(M)] over an area of 160.0 ha in Jaggayyapet Village, Jaggayyapet Mandal, NTR (earlier Krishna) District, Andhra Pradesh.

Thanking you,

Yours faithfully,

For The Ramco Cements Limited,

Authorized Signatory

Encl.: As above.

EC Report

1. Project Details

Whether it is a violation case and application is being submitted under Notification No. S.O.804(E) dated 14.03.2017 ? : No

1. Project Details

i. Proposal No. : IA/AP/MIN/25556/2014

ii. MoEFCC File No. : J-11015/443/2014-IA.II(M)

iii.Short narrative of the project: RamcoBudawada Limestone Mine The Ramco Cements Limited (Formerly Madras Cements Ltd.,)

iv. Project Sector : Mining Projects

v. Company/Proponent : THE RAMCO CEMENTS LIMITED

vi.Details of State of the project

Details of State of the project			
S.no.	State Name	District Name	Tehsil Name
1.	Andhra Pradesh	Krishna	Jaggayyapeta

vii. Uploaded EC Compliance report by regional office of MoEFCC: [Annexure-Uploaded EC Compliance report](#)

viii. Certified Monitoring report by RoMoEF: [Annexure-Uploaded Monitoring report](#)

ix.Date of TOR Granted 29 Jul 2015

x.TOR letter issued by Ministry: [Annexure-TOR letter](#)

ix.Date of Submission for EC: 10 Aug 2016

x.Project Type: Expansion

2. Uploaded Documents of EIA/EMP,Risk Assessment,Public Hearing etc.

i.EIA/EMP: [Annexure-EIA/EMP](#)

ii.Risk Assessment: [Annexure-Risk Assessment](#)

iii.Public Hearing: [Annexure-Public Hearing](#)

iv. Date of Public Hearing: 26 Apr 2016

v. Uploaded Additional Report/Study/Document as desired by Ministry/EAC: Annexure-Additional Report/Study/Document

vi. Uploaded Cover Letter: Annexure-Cover Letter

vii. Remarks: Final EIA Report alongwith Annexures is uploaded and Approved Mining plan is uploaded as Additional Document

3. Additional Detail Sought

Additional Detail Sought			
Sno.	ADS Letter	Remarks	Date of ADS
1.	NA	Based on the information furnished and discussion held, the Committee was of the view that only 10% of the production has been achieved and proposal for expansion could not be justified by the PP. Therefore, Committee decided to deferred the proposal and was of the view that PP has to submit the following documents, in addition to justification for seeking EC for expansion, for further decision on the matter by the committee i. The mine lease area is complete forest land however no Schedule 1 species was reported in the area. Therefore, list of flora and fauna of study area shall be authenticated by State Forest Department. ii. The Conservation plan for Schedule 1 species, if any, shall be submitted. iii. The baseline data appears to be incorrect. The fresh baseline data shall be coll	05 Oct 2016
2.	<u>ADS Letter</u>	Additional data for points raised in the earlier EAC meeting for EC proposal	14 Sep 2017
3.	NA	The proposal was again considered in the EAC Meeting held on 19-20 Sep, 2016. Based on the information furnished and discussion held, the Committee was of the view that only 10% of the production has been achieved and proposal for expansion could not be justified by the PP. Therefore, Committee decided to deferred the proposal and was of the view that PP has to submit the following documents, in addition to justification for seeking EC for expansion, for further decision on the matter by the committee. i. The mine lease area is complete forest land however no Schedule 1 species was reported in the area. Therefore, list of flora and fauna of study area shall be authenticated by State Forest Department. ii. The Conservation plan for Schedule 1 species, if any, shall be submitted. iii.	01 Nov 2017
4.	<u>ADS Letter</u>	Please find attached the reply for the additional details sought.	10 Aug 2023
5.	NA	Sir, The Project Proponent is kindly requested to submit the latest certified compliance report as per Ministry's OM dated 08.06.2022 being an expansion proposal.	06 Sep 2023
6.	<u>ADS Letter</u>	Please find attached reply for the additional details sought raised on 06.09.2023.	26 Oct 2023
7.	NA	Sir, Being an expansion proposal, the Project Proponent is kindly requested to submit the latest certified compliance report as per Ministry's OM dated 08.06.2022 wherein it has mentioned that "for the proposals involving expansion of existing EC, CCR issued by the concerned Authority shall be valid for a period of one year from the date of inspection of the project".	27 Oct 2023

4.

Accredited Consultant Details

i. Accreditation status : Yes

ii. Accreditation No. : NABET/EIA/1316/RA002

iii. Name of Consultant: M/s. B. S. Envi-Tech Pvt. Ltd.

iv. Address : 12-13-1270/71/73, Amity Ville, 4th Floor, Beside Spencer Super Market, St. Ann's Road, Tarnaka, Secunderabad-500017

v. Mobile No.: 9848053012

vi. Landline No.: 040-49783062

vii. Email Id: mcljpmqc@gmail.com

5. Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

i. Name of Applicant : Reddy Nagaraju

ii. Designation : President (Projects)

iii. Name of Company(Applicant Name should not be given here) : The Ramco Cements Limited

iv. Address : THE RAMCO CEMENTS LIMITED (Formerly known as Madras Cements Ltd) Auras Corporate Centre 98-A Dr.

v. Uploaded copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: NIL

I/57032/2023

स्पीड पोस्ट

ई-मेल



सत्यमेव जयते

भारत सरकार / Government of India
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change

विजयवाड़ा में उप-कार्यालय / Sub-Office at Vijayawada

ग्रीन हाउस, गोपालारेड्डी रोड, विजयवाड़ा, आंध्र प्रदेश - 520010

Green House, Gopalareddy Road, Vijayawada, Andhra Pradesh - 520010.



Tel: +91 866 - 2419787, +91 866 - 2419788, E-mail: iro.vijayawada-mefcc@gov.in, suresh.pasupuleti@gov.in

फाइल संख्या: IRO/VIJ/EPA/EC-A/101/05-86/2023

दिनांक: 06.11.2023

सेवा में,

श्री पंकज वर्मा अतिरिक्त,
निदेशक, सदस्य सचिव (गैर-कोयला खनन),
दूसरी मंजिल, पृथ्वी ब्लॉक,
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन, जोरबाग रोड,
अलीगंज, नई दिल्ली - 110 003।
ई-मेल: pankaj.verma@nic.in

विषय: मैसर्स द रैमको सीमेंट्स लिमिटेड की बुदावाड़ा चूना पत्थर खदान के पक्ष में प्रमाणित अनुपालन रिपोर्ट जारी करना।

संदर्भ: मंत्रालय का पर्यावरण मंजूरी पत्र संख्या J-11015/150/2008-IA II (M) दिनांक 10.12.2009, 28.04.2023 (ईसी का स्थानांतरण) और 07.08.2023 (संशोधन)।

महोदय,

मुझे यह सूचित करने का निर्देश हुआ है कि उपरोक्त परियोजना में प्रमाणित अनुपालन रिपोर्ट जारी करने के लिए दिनांक 15.06.2023 को अधोहस्ताक्षरी द्वारा निगरानी की गई है। परियोजना की निगरानी के दौरान की गई टिप्पणियों के आधार पर, विस्तृत प्रमाणित अनुपालन रिपोर्ट तैयार की गई है और आवश्यक जानकारी और आगे की आवश्यक कार्रवाई के लिए संलग्न की गई है।

भवदीय,

संगलनकउपरोक्त :

(डॉ। सुरेश बाबु पसुपुलेटी)
संयुक्त निदेशक (एस)

प्रतिलिपि :

1. प्लांट हेड, मैसर्स द रैमको सीमेंट्स लिमिटेड (पूर्व में मद्रास सीमेंट्स लिमिटेड), कुमारसामी राजा नगर - 521 457, जगैयापेट मंडल, कृष्णा जिला, आंध्र प्रदेश। ई-मेल: ihprasad@ramcocements.co.in, srraju@ramcocements.co.in जानकारी और आगे की आवश्यक कार्रवाई के लिए।

2. गार्ड फाइल।



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पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change

विजयवाड़ा में उप-कार्यालय / Sub-Office at Vijayawada

ग्रीन हाउस, गोपालारेड्डी रोड, विजयवाड़ा, आंध्र प्रदेश - 520010

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File No. IRO/VIJ/EPA/EC-A/101/05-86/2023

Date: 06.11.2023

To

Shri Pankaj Verma

Addl. Director, Member Secretary (Non-Coal Mining),

2nd Floor, Prithvi Block,

Ministry of Environment, Forest and Climate Change,

Indira Paryavaran Bhawan, Jorbagh Road, Aliganj,

New Delhi - 110 003.

E-mail: pankaj.verma@nic.in

Sub: Issue of Certified Compliance Report in respect of Budawada Limestone Mine (ML area 160 Ha and Production Capacity 1.1 MTPA) at village Budawada, Jaggaipet Taluk, Krishna Distt., Andhra Pradesh by M/s The Ramco Cements Limited (formerly M/s. Madras Cements Limited) - reg.

Ref: Ministry's Environmental Clearance Letter No. J-11015/150/2008-IA II (M) dated 10.12.2009, 28.04.2023 (Transfer of EC) and 07.08.2023 (Amendment).

Sir,

I am directed to draw your kind attention to the subject and reference letter cited above and to state that the above project has been monitored by undersigned on 15.06.2023. Based on the observations made while monitoring of project, the detailed Certified Compliance Report has been prepared and enclosed for kind information and further needful action.

Encl: as above

Signed by

Dr. Suresh Babu Pasupuleti

Date: 07-11-2023 10:08:05

भवदीय / Yours faithfully,

Sd/-

(डॉ। सुरेश बाबु पसुपुलेटी)

(Dr. Suresh Babu Pasupuleti)

संयुक्त निदेशक (एस) / Joint Director (S)

Copy to:

1. **The Plant Head**, M/s The Ramco Cements Limited (Formerly Madras Cements Ltd.), Kumarasamy Raja Nagar - 521 457, Jaggaiahpet Mandal, Krishna District, Andhra Pradesh. E-mail: ihprasad@ramcocements.co.in, srraju@ramcocements.co.in for kind information and further necessary action.

2. Guard File



भारत सरकार / Government of India
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest and Climate Change
विजयवाड़ा में उप कार्यालय / Sub Office at Vijayawada
ग्रीन हाउस, गोपालरेड्डी रोड, विजयवाड़ा, आंध्र प्रदेश – 520010
Green House, Gopalareddy Road, Vijayawada, Andhra Pradesh - 520010.



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अनुपालन रिपोर्ट / Certified Compliance Report

SN	Item	Details
1.	परियोजना का प्रकार Type of Project	Non-Coal Mine (Limestone)
2.	परियोजना का नाम Name of Project	Budawada Limestone (ML area 160 Ha. and Production capacity 1.1 MTPA) at village Budawada, Jaggayyapet Taluk, Krishna Distt., Andhra Pradesh by M/s Madras Cements Ltd.
3.	परियोजना प्राधिकरण का पता Address of project authorities	The Plant Head, M/s The Ramco Cements Limited, (Formerly Madras Cements Ltd.) Kumarasamy Raja Nagar – 521 457, Jaggaiahpet Mandal, Krishna District, AP
4.	पर्यावरणीय स्वीकृति पत्र सं० एवं तिथि Env. Clearance Letter No. & Date	J-11015/150/2008-IA II (M) dated 10.12.2009, 28.04.2023 (Transfer of EC) and 07.08.2023 (Amendment)
5.	क्षेत्रीय कार्यालयपत्र सं० Regional Office File No.	SO/VIJ/EPA/EC-A/101/05-86/2023
6.	स्थल दौरातिथि Date of Site Visit	15.06.2023
7.	परियोजना की स्थिति Status of Project	Operational

8. परियोजना की वर्तमान स्थिति / Present status of the Project:

The project was monitored by undersigned on 15.06.2023. During monitoring, Shri N. Ravi Shankar, Sr President (Manufacturing), Shri P. Jani Reddy, GM (Mines), Shri I. Hari Prasad, DGM (Env.), Shri U. Sitha Rama Raju, DGM (Mech.) and other Officials were present. As per the discussions held with Project Authorities (PAs), it has been observed that the project is Limestone mining over an area of 160 ha and the entire lease area is forest land. Method of mining is opencast mechanised involving drilling and blasting. It has been informed that the mine is opened on 01.02.2014. The production started as per the requirement of the cement plant. As per the records, it has been observed that the following clearances / approvals has been accorded to the project by various Authorities:

Environmental Clearance (EC):

I/57033/2023

- Environmental Clearance (EC) has been granted by MoEF&CC vide letter No. J-11015/150/2008-IA.II (M) dated 10.12.2009 in favour of M/s Madras Cements Ltd., for mining of Lime stone with production capacity of 1.10 MTPA in Mine Lease area of 160.00 ha.
- MoEF&CC vide Letter No. J-11015/150/2008-IA.II (M) dated 28.04.2023 transferred the EC in favour of M/s The Ramco Cements Limited, for mining of Lime stone with production capacity of 1.10 MTPA in Mine Lease area of 160.00 ha.
- MoEF&CC vide Letter No. J-11015/150/2008-IA.II (M) dated 07.08.2023 issued amendment in EC w.r.t. establishing Railway siding facility with stacker & reclaimer facility within the mine lease area to permit transportation of limestone from mine to the cement plant by railway line.

Forest Clearance (FC):

- *Stage-I:*
 - Stage-I Forest Clearance has been granted by MoEF&CC (FC Division) vide letter No. 8-56/2005-FC dated 31.12.2008 in favour of M/s Madras Cements Ltd., for diversion of 160 ha of forest land for mining of Lime stone in Budavada Reserve Forest in Krishna District of Andhra Pradesh.
- *Stage-II:*
 - Stage-II Forest Clearance has been granted by MoEF&CC (FC Division) vide letter No. 8-56/2005-FC dated 22.12.2011 in favour of M/s Madras Cements Ltd., for diversion of 160 ha of forest land for mining of Lime stone in Budavada Reserve Forest in Krishna District of Andhra Pradesh.
- *Transfer of FC:*
 - The FC has been transferred from M/s Madras Cements Ltd., to M/s Ramco Cements Ltd., vide letter No. Rc.No:712/2000-TO dated 03.09.2016 granted by Forest Department, Govt. of Andhra Pradesh.

Consent Orders:

- Consent for Establishment (CFE) granted by Andhra Pradesh Pollution Control Board (APPC) vide Order No. 285/PCB/CFE/RO-VJA/HO/2009-69 dated 08.04.2010 for production of 1.10 MTPA Limestone over an area of 160 ha.
- Auto Renewal of Combined Consent for Operation (CFO) and Authorisation granted by APPCB vide Order No. APPCB/VJA/VJA/488/HO/CFO/2021 dated 07.11.2022 for operation of following Mines:

Mine No.	Name of the Mine	Quantity
Mine-I	Jayanthipuram Limestone Mine (North Band)	1.80 million TPA
Mine-II	Jayanthipuram Limestone Mine (South Band)	1.75 million TPA
Mine-III	Ravirala Limestone Mine (RF)	1.20 million TPA
Mine-IV	Ramco Budawada Limestone Mine (RF)	1.10 million TPA
	Total	5.85 million TPA

The CFO is valid up to 31.01.2028.

Mining Lease:

- Mining Lease has granted by Govt. of Andhra Pradesh vide G.O.Ms.No. 291 dated 31.10.2008 for Lime stone over an extent of 160.00 ha in Reserve Forest of Budavada for a period of 20 years in favour of M/s. Madras Cements Limited.
- Transfer of Mine Lease from M/s. Madras Cements Limited to M/s. The Ramco Cements Limited has granted by Govt. of Andhra Pradesh vide G.O.Ms.No. 96 dated 13.10.2015.
- Extension of Mining Lease granted by Govt. of Andhra Pradesh vide G.O.Ms.No. 59 dated 02.05.2017 for a period of 50 Years w.e.f. 17.03.2009 to 16.03.2059 for Limestone over an extent of 160.00 Ha issued in favour of M/s. The Ramco Cements Limited.
- The modified Mining Plan has approved by Indian Bureau of Mines, Ministry of Mines, Govt. of India vide Letter No. AP/KSN/MP/LST-30/HYD dated 24.04.2023 in respect of Budawada Limestone Mine (RF) of M/s. The Ramco Cements Ltd.

Ground water withdrawal permission:

- Govt. of Andhra Pradesh, O/o The Commissioner, Panchayat Raj & Rural Development & Administrator, APWALTA vide Lr. No. PRR05-11028/45/2018-SLNA-GIS-CORD dated 13.11.2021 issued NOC for dewatering of 12,365 KLD of Mine seepage water from 5 captive mines. The NOC is valid for three years from the date of issues of the letter.

DGMS Permission:

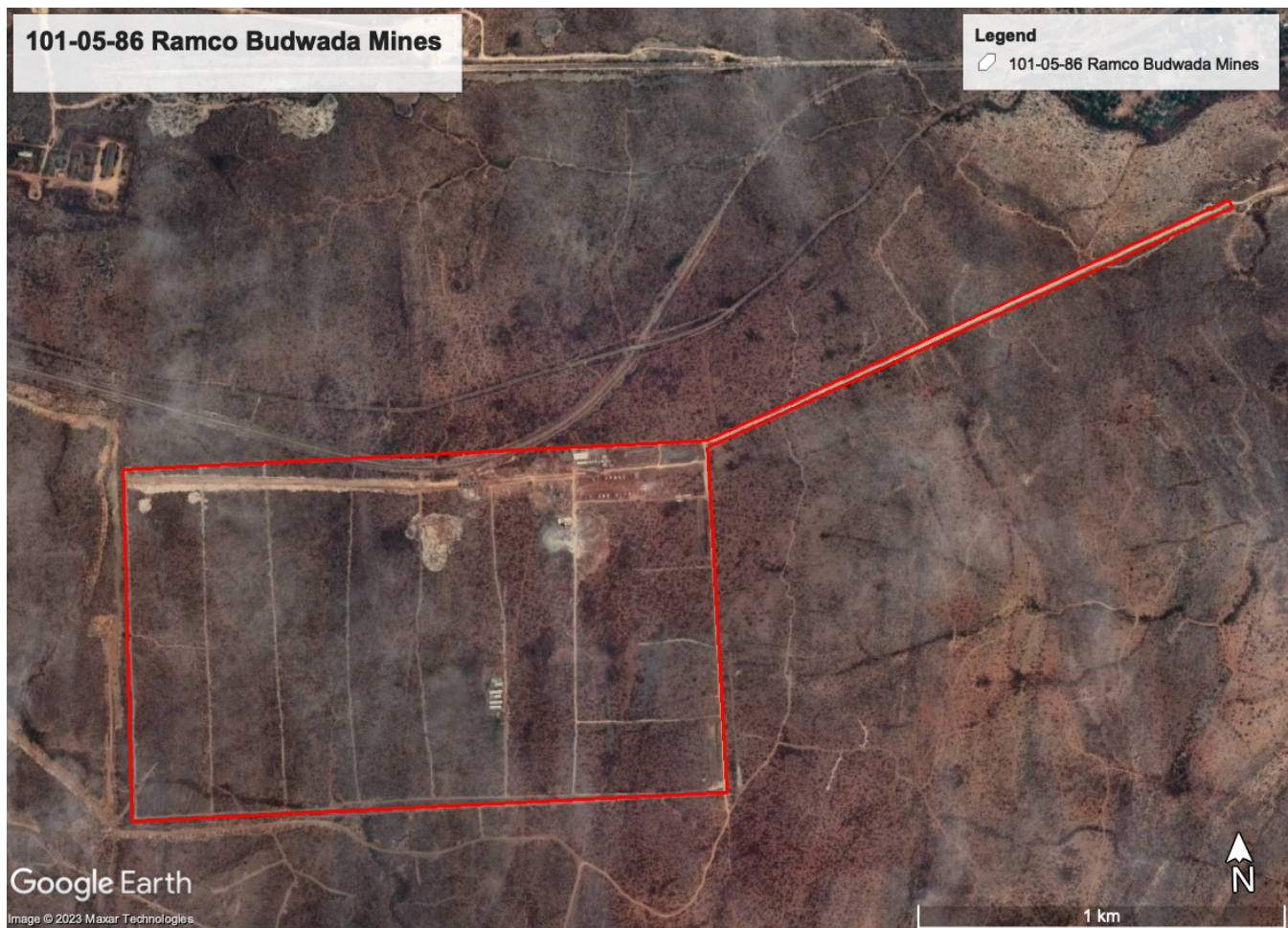
- Govt. of India, Ministry of Labour & Employment, Directorate General of Mines vide Letter No. 362140|SCZ|Hyderabad Region No.I|Perm|2023|253413 dated 05.04.2023 granted permission under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 to work with the help of Heavy Earth Moving Machinery(HEMM) and with deep hole blasting at Ramco Budawada Limestone Mine (situated at Sy. no. 376, Ext.:160 Ha) of M/s The Ramco Cements Limited situated at Budawada Reserve Forest, Jaggayyapeta Mandal, NTR District, A.P.

I/57033/2023

The photographs of the project area are as follows:



The satellite image of the project location by google maps is as follows:



It has been observed that the Project Authorities (PAs) have complied or are in process of complying the conditions stipulated in EC. The detailed observations are as follows:

9. Stipulated Conditions:

A: Specific Conditions:

- i. **Environmental Clearance is subject to obtaining Forest Clearance under Forests (Conservation) Act, 1980 from the Competent Authority before start of work at mine.**

Status: Being complied

It has been informed that the mine is opened on 01.02.2014. The production started as per the requirement of the cement plant. The Mine is not in full pledged operations for production as planned due to lack of proper approach road to transport limestone from mines to plant.

As per the records, it has been observed that the PAs have obtained the following forest clearances:

- *Stage-I:*

- Stage-I Forest Clearance has been granted by MoEF&CC (FC Division) vide letter No. 8-56/2005-FC dated 31.12.2008 in favour of M/s Madras Cements Ltd., for diversion of 160 ha of forest land for mining of Lime stone in Budavada Reserve Forest in Krishna District of Andhra Pradesh.

- *Stage-II:*

- Stage-II Forest Clearance has been granted by MoEF&CC (FC Division) vide letter No. 8-56/2005-FC dated 22.12.2011 in favour of M/s Madras Cements Ltd., for diversion of 160 ha of forest land for mining of Lime stone in Budavada Reserve Forest in Krishna District of Andhra Pradesh.

- *Transfer of FC:*

- The FC has been transferred from M/s Madras Cements Ltd., to M/s Ramco Cements Ltd., vide letter No. Rc.No:712/2000-TO dated 03.09.2016 granted by Forest Department, Govt. of Andhra Pradesh.

- 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.**

Status: Partially complied

As per the Action Taken Report submitted vide letter No. TRCL/Mines/BWD RF/MoEF&CC/116 dated 09.06.2023, it has been observed that the PAs are in process of preparing wild life conservation plan in consultation with the office of the Chief Wild Life Warden. In this regard, PAs have submitted letter to Chief Wild Life Warden vide Letter No. RCL/Mines/BWDRF/95/478, dated 08.06.2023. PAs have assured that they will follow up with Chief Wild Life Warden and The Wild life conservation plan will be submitted on receipt. However, no information provided so far.

It is required to submit the wild life conservation plan at the earliest to Ministry and this Office.

- 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.**

Status: Being complied

As per the Action Taken Report submitted vide letter No. TRCL/Mines/BWD RF/MoEF&CC/116 dated 09.06.2023, it has been observed that the State Ground Water Department, Govt. of Andhra Pradesh has conducted the detailed hydro-geological study in the Lease Area during Dec-2020 and the Report submitted. As per the Survey, ground water-table in the mine vicinity is at 45-60 m below ground level (BGL). The mine is presently working in first bench only at a depth 8 m BGL and not intersected the Water table.

Based on the study, the APWALTA has issued the NOC to work below ground water table vide Lr No. PRR05-11028/16/2019-SLNA-GIS-CORD, dt 13.02.2021, which is valid up to 12.02.2024. PAs have informed that the Annual Hydrogeological study will be conducted and report will be submitted once the mining operations encounter water table / during renewal of NOC.

In addition, PAs have installed 3 piezometers in the lease area and water levels & quality are being monitored periodically and reports are being submitted to the Authority.

- iv. **A 50 m barrier of no mining zone on the side(s) of the nallahs / 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.**

Status: Being complied

It has been observed that 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.**

Status: Being complied

It has been observed that no silt is being generated due to mining activity 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.**

Status: Being complied

It has been observed that 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.**

Status: Being complied

It has been observed that the PAs have established a full-fledged Occupational Health Centre with a qualified Occupational Health Specialist with supporting staff with the following facilities:

- 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

As per the records, Occupational Health Surveillance programme is being taking up periodically and records are being maintained. As per the information provided, the medical check-ups conducted for last three years is as follows:

SN	Year	Total Number of Employees	Total Number of Employees Medically Examined
1	2020	14	4
2	2021	12	0
3	2022	11	3

- viii. **Personnel exposure monitoring for dust shall be carried out for the workers.**

Status: Being complied

It has been observed that the personnel dust sampling is being done by MoEF&CC approved external environmental monitoring agency. As per the monitoring reports submitted, the free Silica levels are as follows:

Date	Person	Free Silica (mg/m ³)
14.02.2023	Excavator Operator	0.949
15.02.2023	Excavator Operator	0.957
16.02.2023	Tipper Driver	0.932
17.02.2023	Driller	0.930

- 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.**

Status: Being complied

As per the discussions held, it has been stated that the detailed land use pattern of the nearby villages is made in EIA/EMP. The Mine is not in full pledged operations for production as planned due to lack of proper approach road to transport limestone from mines to Cement Plant. As per the information provided, it has been that the PAs have identified about four nos. of agricultural lands for conversion of productive lands. The map showing the identified lands area as follows:



- 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.**

Status: Being complied

It has been observed that the PAs are in process of 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. It has been informed that an amount of about Rs. 1018.79 lakh has incurred for the period 2003-2021 (for a period of 18 years), with an average of Rs. 56.60 lakh per annum is being spent for various socio-economic activities for the surrounding villages as part of Corporate Social Responsibility (CSR) activities. These activities 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 have completed Industrial Training Institute

(ITI) certificate, regularly. Details of CSR expenditure is being submitted along with half-yearly compliance reports on regular basis. As per the information provided, the consolidated CSR expenditure for last three years is as follows:

SN	Year	Amount
1	2020-21	1,38,20,287/-
2	2021-22	1,18,27,267/-
3	2022-23	1,20,10,872/-

- 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.**

Status: Partially complied.

It has been observed that the PAs are in process of controlling fugitive dust emissions generated during mining activities by water spraying and implementing wet drilling. There are no human habitations including schools and other public amenities located nearer to the mine. As per the discussions held, PAs have informed that the fugitive dust emissions are being monitored regularly. However, monitoring reports are not being submitted.

It is required to submit the fugitive emissions monitoring reports along with six monthly compliance reports on regular basis.

- 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.**

Status: Being complied.

As per the discussions held, it has been observed that the report on cumulative impacts along with neighbouring M/s Jaypee Balaji Cements has 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.**

Status: Being complied.

It has been observed that the PAs are in process of implementing the following measures for rain water harvesting to recharge the ground water source.

- 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.

- It has been assured that rain water harvesting pits will be constructed to recharge the ground water after commencement of full-fledged production from the mine.

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.**

Status: Being complied.

It has been observed that the PAs are monitoring ground water quality and level at various locations in buffer zone and records are being maintained. Compiled data on analysis reports of the same is being submitted regularly to the Ministry, along with half yearly compliance reports regularly. It has been observed from the ground water analysis reports that Arsenic concentration is Below Detectable Limit (<0.01 mg/L) and other parameters are within the prescribed limits.

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.**

Status: Assured to comply

It has been observed that there is no top soil generation from this mining lease area. As on date there are no dumps. It has been assured by PAs that, 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.**

Status: Not applicable at present

As per the discussions held, it has been informed that the labourers are being mobilized from the nearby villages. Once the regular production starts, the housing will be 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.

Status: Assured to comply

It has been observed that, till date no dumps are developed in the mine lease. PAs have assured to comply the condition during development of dumps in the mine lease 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 conducted followed by follow up action wherever required.**

Status: Being complied

As per the discussions held, it has been observed that the 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.

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.

As per the records, Occupational Health Surveillance programme is being taking up periodically and records are being maintained. As per the information provided, the medical check-ups conducted for last three years is as follows:

SN	Year	Total Number of Employees	Total Number of Employees Medically Examined
1	2020	14	4
2	2021	12	0
3	2022	11	3

- 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.**

Status: Being complied

As per the discussions held, it has been informed that the PAs are in process of developing green belt all along the mine lease boundary by planting around 10346 Nos. of plants over an area of 3.5 ha up to Sep' 2021, in compliance with CPCB guidelines. Herbs and shrubs are part of the afforestation program.

During the year 2022-2023, around 3,100 plants are planted for densification of existing greenbelt area with Survival Rate of 80%. It has been informed that the plantation will be continued during the financial year 2023-2024 & subsequent years also.

SN	Year	Location	Details of Plantation	No of Plants Planted	Survival Plants	Area covered in Ha
1	2020-2021	Along Mining lease boundary. Top of the dump area,Along approach road	Neem,Raavi,Tha ngeda,Dubai,	760	570	0.2
2	2021-2022		Kanuga,sisoo,T hangeda,Neem, Ganga & ravi	3027	1816	0.05
3	2022-2023		Kanuga,Neem,T hangeda	3130	3130	Densifica tion
TOTAL				6917	5516	0.25

- 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.**

Status: Being complied

It has been observed that 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 will be utilized for formation of internal roads and for backfilling on I & II benches to a height of 1 - 1.5 m for plantation purpose at the end of mining.

- 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.

Status: Being complied

It has been observed that, at present, there is no OB generated in the area as the regular production from the mine is yet to start.

- xxii. **Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.**

Status: Being complied

As per the discussions held, it has been observed that the 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 confirm 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.**

Status: Being complied

It has been observed that there is no waste water generation from the mine. There is no generation of tailings from the mining of limestone, hence no proposal for tailing dam. The domestic wastewater is being treated in septic tank followed by soak pit.

- 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.**

Status: Being complied

As per records, it has been observed that the action plan with respect to suggestions / improvements and recommendations made during public consultation / hearing has submitted.

- 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.**

Status: Assured to comply.

PAs have assured that the final mine closure plan, along with details of Corpus Fund, will be submitted to the Ministry 5 years in advance of final mine closure for approval.

- 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.**

Status: Being complied.

As per the discussions held, it has been observed that the 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:

- Moderately loading of tippers.
- Body height of the tippers will be raised by 1 foot.

A separate road on company's own land is proposed to make for transportation of limestone to crusher.

- 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.**

Status: Being complied

As per the discussions held, it has been assured that the conditions stipulated by IBM on the modifications in the approved Mining plan will be followed, after commencement of full-fledged production from the mine. The modified Mining Plan has approved by Indian Bureau of Mines, Ministry of Mines, Govt. of India vide Letter No. AP/KSN/MP/LST-30/HYD dated 24.04.2023 in respect of Budawada Limestone Mine (RF) of M/s. The Ramco Cements Ltd.

- xxviii. **Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.**

Status: Being complied

It has been informed that the mine is opened on 01.02.2014. The production started as per the requirement of the cement plant. The Mine is not in full pledged operations for production as planned due to lack of proper approach road to transport limestone from mines to plant. It has been observed that the

PAs are maintaining adequate buffer zone between two consecutive mineral bearing deposits.

B. General Conditions:

- i. **No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.**

Status: Being complied

It has been observed that there is no change in mining technology and scope of working made without prior approval of the Ministry. The present method of mining is opencast mechanised involving drilling and blasting.

- ii. **No change in the calendar plan including excavation, quantum of mineral and waste shall be made.**

Status: Being complied

It has been observed that there is no change in the calendar plan, excavation, quantum of mineral and waste.

As per the information provided by Govt. of Andhra Pradesh, Dept. of Mines and Geology vide Letter No. 436/M/2001 dated 24.05.2023, the production details from mine since inception of mine are as follows:

Year	Production (TPA)
2009-2010	0
2010-2011	0
2011-2012	0
2012-2013	0
2013-2014	0
2014-2015	1,000
2015-2016	4,333
2016-2017	1,000
2017-2018	240
2018-2019	97,140
2019-2020	85,200
2020-2021	4,000
2021-2022	3,23,863
2022-2023	4,66,400

As per the discussions held, it has been informed that the production was less due to less market demand and also due to lack of proper approach road to transport limestone from mine to the cement plant.

- 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.**

Status: Partially complied.

It has been observed that the PAs are in process of controlling fugitive dust emissions generated during mining activities by water spraying and implementing wet drilling. There are no human habitations including schools and other public amenities located nearer to the mine. As per the discussions held, PAs have informed that the fugitive dust emissions are being monitored regularly. However, monitoring reports are not being submitted.

It is required to submit the fugitive emissions monitoring reports along with six monthly compliance reports on regular basis.

- iv. **Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, PM₁₀ / PM_{2.5}, SO₂, 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.**

Being complied.

It has been observed that the PAs are monitoring Ambient Air Quality (AAQ) at four (04) and nine (09) locations in core and buffer zones respectively based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the SPCB. The 04 locations in the core zone are Near Borewell No-1, Near Container, East Side of ML area and West Side of L area. The 09 locations in the buffer zone are Dharmavarapupadu tanda, Jayanthipuram, Chilakallu, K. Agraharam village, Jaggayyapet, Budawada, Vedadri, Pachampalli and Ravirala. It has been observed that the PAs are monitoring AAQ fortnightly third party monitoring agency M/s Universal Enviro Associates, Hyderabad for PM₁₀, PM_{2.5}, SO₂, NO_x and CO. The reports are being submitted along with six monthly compliance reports on regular basis. As per the monitoring reports submitted, the AAQ levels for the period October, 2022 to September, 2023 are as follows:

AAQ – Core Zone – Near Borewell No-1

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	59.6	24.2	17.3	20.1	526
	II FORT NIGHT	59.3	23.9	17.3	19.6	623
Nov, 22	I FORT NIGHT	53.5	21.7	16.2	19.0	559
	II FORT NIGHT	60.6	24.4	18.9	21.2	629
Dec, 22	I FORT NIGHT	50.2	20.4	15.1	17.9	563
	II FORT NIGHT	62.9	25.3	17.2	19.5	599
Jan, 23	I FORT NIGHT	53.5	21.7	16.2	19.0	569
	II FORT NIGHT	65.1	26.2	18.6	20.9	612
Feb, 23	I FORT NIGHT	56.2	22.8	17.1	19.9	612
	II FORT NIGHT	66.3	26.7	19.3	21.6	623
Mar, 22	I FORT NIGHT	60.2	24.4	18.3	21.1	626

	II FORT NIGHT	68.9	27.8	18.2	20.5	641
Apr, 23	I FORT NIGHT	63.6	25.8	19.3	22.1	683
	II FORT NIGHT	70.6	28.5	20.2	22.5	658
May, 23	I FORT NIGHT	71.2	28.7	19.8	22.1	652
	II FORT NIGHT	73.5	29.6	22.7	25.0	623
Jun, 23	I FORT NIGHT	63.5	25.8	19.8	22.6	658
	II FORT NIGHT	71.2	28.7	19.8	22.1	652
Jul, 23	I FORT NIGHT	60.6	24.6	16.3	19.1	586.0
	II FORT NIGHT	53.5	21.6	13.9	16.2	501
Aug, 23	I FORT NIGHT	60.6	24.6	14.3	17.1	621
	II FORT NIGHT	58.3	23.5	15.9	18.2	515
Sep, 23	I FORT NIGHT	63.5	25.8	15.1	17.9	601
	II FORT NIGHT	55.9	22.5	14.8	17.1	523

AAQ – Core Zone – Near Container

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	60.2	24.3	15.9	18.6	562
	II FORT NIGHT	62.6	25.8	18.2	20.9	598
Nov, 22	I FORT NIGHT	62.3	25.2	16.1	18.8	572
	II FORT NIGHT	63.8	26.3	19.1	21.8	612
Dec, 22	I FORT NIGHT	60.1	24.3	15.3	18.0	581
	II FORT NIGHT	60.1	24.8	18.4	21.1	587
Jan, 23	I FORT NIGHT	61.6	24.9	16.5	19.2	602
	II FORT NIGHT	63.2	26.0	18.9	21.6	596
Feb, 23	I FORT NIGHT	63.1	25.5	18.0	20.7	635
	II FORT NIGHT	65.1	26.8	19.1	21.8	620
Mar, 22	I FORT NIGHT	65.1	26.3	18.5	21.2	641
	II FORT NIGHT	67.2	27.7	20.2	22.9	653
Apr, 23	I FORT NIGHT	67.1	27.1	19.6	22.3	659
	II FORT NIGHT	69.3	28.6	21.4	24.1	656
May, 23	I FORT NIGHT	70.3	29.0	21.2	23.9	698
	II FORT NIGHT	70.6	29.1	20.6	23.3	611
Jun, 23	I FORT NIGHT	69.2	28.0	20.2	22.9	669
	II FORT NIGHT	70.3	29.0	21.2	23.9	698
Jul, 23	I FORT NIGHT	63.8	25.8	15.4	18.1	510
	II FORT NIGHT	50.6	20.8	15.1	17.8	489
Aug, 23	I FORT NIGHT	61.3	24.8	17.1	19.8	510
	II FORT NIGHT	55.1	22.7	14.6	17.3	521
Sep, 23	I FORT NIGHT	62.9	25.4	16.2	18.9	523
	II FORT NIGHT	53.8	22.2	15.3	18.0	512

AAQ – Core Zone – East Side of ML area

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	61.6	25.4	16.5	19.3	547
	II FORT NIGHT	57.5	23.5	17.8	20.9	554
Nov, 22	I FORT NIGHT	63.8	26.3	16.9	19.7	553
	II FORT NIGHT	58.3	23.8	18.6	21.7	553
Dec, 22	I FORT NIGHT	59.4	24.5	14.8	17.6	542
	II FORT NIGHT	55.2	22.5	17.1	20.2	546
Jan, 23	I FORT NIGHT	60.3	24.8	15.3	18.1	559

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	II FORT NIGHT	59.6	24.3	17.9	21.0	558
Feb, 23	I FORT NIGHT	62.8	25.9	16.3	19.1	596
	II FORT NIGHT	62.3	25.4	18.4	21.5	569
Mar, 22	I FORT NIGHT	63.9	26.3	17.1	19.9	615
	II FORT NIGHT	65.3	26.6	19.2	22.3	629
Apr, 23	I FORT NIGHT	65.2	26.9	18.3	21.1	626
	II FORT NIGHT	66.2	27.0	20.3	23.4	639
May, 23	I FORT NIGHT	72.4	29.5	21.3	24.4	636
	II FORT NIGHT	71.4	29.1	21.3	24.4	642
Jun, 23	I FORT NIGHT	66.8	27.5	19.1	21.9	636
	II FORT NIGHT	72.4	29.5	21.3	24.4	636
Jul, 23	I FORT NIGHT	61.6	25.4	16.1	18.9	531.0
	II FORT NIGHT	54.2	22.1	13.9	17.0	521
Aug, 23	I FORT NIGHT	62.9	25.9	15.4	18.2	512
	II FORT NIGHT	54.3	22.2	14.7	17.8	539
Sep, 23	I FORT NIGHT	60.2	24.8	16.5	19.3	539
	II FORT NIGHT	55.2	22.5	14.2	17.3	535

AAQ – Core Zone – West Side of ML area

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	60.8	24.8	17.8	20.3	552
	II FORT NIGHT	62.8	26.1	18.3	21.1	536
Nov, 22	I FORT NIGHT	63.9	26.1	18.3	20.8	559
	II FORT NIGHT	63.9	26.6	19.4	22.2	548
Dec, 22	I FORT NIGHT	61.2	25.0	17.6	20.1	538
	II FORT NIGHT	61.4	25.5	18.2	21.0	541
Jan, 23	I FORT NIGHT	63.8	26.0	18.1	20.6	566
	II FORT NIGHT	63.6	26.5	18.1	20.9	555
Feb, 23	I FORT NIGHT	65.1	26.6	18.9	21.4	589
	II FORT NIGHT	65.1	27.1	19.0	21.8	563
Mar, 22	I FORT NIGHT	66.2	27.0	19.2	21.7	573
	II FORT NIGHT	64.2	26.7	15.2	18.0	--
Apr, 23	I FORT NIGHT	68.9	28.1	20.1	22.6	589
	II FORT NIGHT	65.3	27.2	22.6	25.4	658
May, 23	I FORT NIGHT	75.1	31.2	18.3	21.1	661
	II FORT NIGHT	73.8	30.7	19.8	22.6	625
Jun, 23	I FORT NIGHT	71.2	29.0	21.3	23.8	601
	II FORT NIGHT	75.1	31.2	18.3	21.1	661
Jul, 23	I FORT NIGHT	65.9	26.9	14.2	16.7	563
	II FORT NIGHT	52.9	22.0	13.6	16.4	506
Aug, 23	I FORT NIGHT	61.8	25.2	16.9	19.4	543
	II FORT NIGHT	52.1	21.7	14.1	16.9	531
Sep, 23	I FORT NIGHT	62.3	25.4	15.3	17.8	558
	II FORT NIGHT	54.6	22.7	14.8	17.6	528

AAQ – Buffer Zone – Dharmavapupadu Tanda

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	55.2	22.4	15.3	17.9	251.0
	II FORT NIGHT	56.2	22.6	15.3	18.0	245.0
Nov, 22	I FORT NIGHT	56.3	22.9	14.1	16.7	246.0
	II FORT NIGHT	58.3	23.5	16.2	18.9	229.0

Dec, 22	I FORT NIGHT	57.2	23.2	13.8	16.4	254.0
	II FORT NIGHT	59.2	23.9	15.4	18.1	236.0
Jan, 23	I FORT NIGHT	59.3	24.1	12.9	15.5	261.0
	II FORT NIGHT	62.3	25.1	16.2	18.9	246.0
Feb, 23	I FORT NIGHT	60.2	24.4	13.5	16.1	263.0
	II FORT NIGHT	63.5	25.6	17.2	19.9	259.0
Mar, 22	I FORT NIGHT	63.5	25.8	15.2	17.8	286.0
	II FORT NIGHT	65.3	26.3	18.4	21.1	264.0
Apr, 23	I FORT NIGHT	65.1	26.4	16.3	18.9	291.0
	II FORT NIGHT	65.3	26.3	19.2	21.9	277.0
May, 23	I FORT NIGHT	58.9	23.9	16.2	18.8	239.0
	II FORT NIGHT	55.9	22.5	17.2	19.9	272.0
Jun, 23	I FORT NIGHT	65.2	26.5	16.2	18.0	312.0
	II FORT NIGHT	68.9	27.8	19.6	22.3	278.0
Jul, 23	I FORT NIGHT	60.5	24.6	12.3	14.9	284
	II FORT NIGHT	48.3	19.5	18.2	20.9	248.0
Aug, 23	I FORT NIGHT	62.4	25.3	13.4	16.0	214.0
	II FORT NIGHT	45.3	18.3	17.3	20.0	254.0
Sep, 23	I FORT NIGHT	60.3	24.5	12.9	15.5	199.0
	II FORT NIGHT	48.3	19.5	18.2	20.9	261.0

AAQ – Buffer Zone – Jayanthipuram

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	53.4	21.4	14.6	17.5	263.0
	II FORT NIGHT	57.9	23.6	13.9	16.8	252.0
Nov, 22	I FORT NIGHT	55.2	22.1	14.3	17.2	259.0
	II FORT NIGHT	60.6	24.7	14.1	17.0	261.0
Dec, 22	I FORT NIGHT	53.1	21.3	13.9	16.8	249.0
	II FORT NIGHT	58.3	23.8	14.9	17.8	248.0
Jan, 23	I FORT NIGHT	55.1	22.1	14.1	17.0	254.0
	II FORT NIGHT	59.6	24.3	15.3	18.2	252.0
Feb, 23	I FORT NIGHT	57.8	23.2	14.9	17.8	268.0
	II FORT NIGHT	58.6	23.9	16.1	19.0	263.0
Mar, 22	I FORT NIGHT	58.9	23.6	15.5	18.4	249.0
	II FORT NIGHT	62.1	25.3	16.9	19.8	271.0
Apr, 23	I FORT NIGHT	62.3	25.0	16.1	19.0	256.0
	II FORT NIGHT	62.1	25.3	17.1	20.0	289.0
May, 23	I FORT NIGHT	62.3	25.0	15.9	18.8	261.0
	II FORT NIGHT	60.2	24.6	16.3	19.2	269.0
Jun, 23	I FORT NIGHT	61.3	24.6	15.3	18.2	303.0
	II FORT NIGHT	60.6	24.7	18.3	21.2	269.0
Jul, 23	I FORT NIGHT	59.6	23.9	13.5	16.4	212
	II FORT NIGHT	52.6	21.5	16.3	19.2	212.0
Aug, 23	I FORT NIGHT	58.3	23.4	13.1	16.0	202.0
	II FORT NIGHT	50.1	20.4	15.1	18.0	223.0
Sep, 23	I FORT NIGHT	56.9	22.8	11.6	14.5	206.0
	II FORT NIGHT	53.6	21.9	16.3	19.2	242.0

AAQ – Buffer Zone – Chilakallu

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	52.9	21.4	13.9	16.6	259.0

	II FORT NIGHT	56.8	23.0	14.6	17.7	248.0
Nov, 22	I FORT NIGHT	54.6	22.1	13.2	15.9	241.0
	II FORT NIGHT	58.9	23.9	15.3	18.4	252.0
Dec, 22	I FORT NIGHT	52.7	21.3	14.1	16.8	242.0
	II FORT NIGHT	56.2	22.8	14.8	17.9	246.0
Jan, 23	I FORT NIGHT	54.6	22.1	13.6	16.3	248.0
	II FORT NIGHT	58.3	23.6	15.8	18.9	253.0
Feb, 23	I FORT NIGHT	55.3	22.3	14.1	16.8	252
	II FORT NIGHT	60.2	24.4	16.3	19.4	258.0
Mar, 22	I FORT NIGHT	58.6	23.7	16.2	18.9	238.0
	II FORT NIGHT	63.8	25.8	17.3	20.4	262.0
Apr, 23	I FORT NIGHT	59.1	23.9	16.9	19.6	245.0
	II FORT NIGHT	63.8	25.8	18.3	21.4	278.0
May, 23	I FORT NIGHT	56.3	22.7	16.1	18.8	259.0
	II FORT NIGHT	58.3	23.6	17.9	21.0	301.0
Jun, 23	I FORT NIGHT	62.4	25.2	17.3	20.0	321.0
	II FORT NIGHT	64.9	26.3	15.6	18.7	274.0
Jul, 23	I FORT NIGHT	60.4	24.4	12.6	15.3	236
	II FORT NIGHT	43.5	17.6	14.2	17.3	235.0
Aug, 23	I FORT NIGHT	61.4	24.8	12.9	15.6	209
	II FORT NIGHT	44.6	18.1	12.9	16.0	239.0
Sep, 23	I FORT NIGHT	60.5	24.4	10.9	13.6	201.0
	II FORT NIGHT	59.1	23.9	14.5	17.6	249.0

AAQ – Buffer Zone – K. Agraharam Village

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	48.6	19.6	14.1	17.2	262.0
	II FORT NIGHT	59.6	24.3	14.8	17.2	258.0
Nov, 22	I FORT NIGHT	50.2	20.2	14.0	17.1	268.0
	II FORT NIGHT	61.4	25.1	15.4	17.8	263.0
Dec, 22	I FORT NIGHT	48.3	19.5	14.5	17.6	258.0
	II FORT NIGHT	60.5	24.7	15.3	17.7	254.0
Jan, 23	I FORT NIGHT	52.1	21.0	14.9	18.0	261.0
	II FORT NIGHT	62.4	25.5	15.9	18.3	261.0
Feb, 23	I FORT NIGHT	53.9	21.7	15.1	18.2	269
	II FORT NIGHT	63.5	25.9	16.8	19.2	267.0
Mar, 22	I FORT NIGHT	55.1	22.2	14.3	17.4	252.0
	II FORT NIGHT	64.6	26.4	17.4	19.8	269.0
Apr, 23	I FORT NIGHT	58.3	23.5	15.4	18.5	259.0
	II FORT NIGHT	64.6	26.4	17.9	20.3	274.0
May, 23	I FORT NIGHT	60.1	24.2	16.8	19.9	291.0
	II FORT NIGHT	56.1	22.9	15.8	18.2	289.0
Jun, 23	I FORT NIGHT	60.6	24.4	16.2	19.3	296.0
	II FORT NIGHT	65.3	26.6	17.1	19.5	278.0
Jul, 23	I FORT NIGHT	58.3	23.5	11.9	15	284
	II FORT NIGHT	42.6	17.4	10.1	12.5	242.0
Aug, 23	I FORT NIGHT	59.2	23.9	12.1	15.2	274
	II FORT NIGHT	41.9	17.1	10.8	13.2	248.0
Sep, 23	I FORT NIGHT	57.3	23.1	11.4	14.5	252.0
	II FORT NIGHT	43.6	17.8	12.6	15.0	256.0

AAQ – Buffer Zone – Jaggayyapet

I/57033/2023

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	49.3	20.3	14.3	16.7	248.0
	II FORT NIGHT	55.1	22.3	13.9	16.9	249.0
Nov, 22	I FORT NIGHT	51.8	21.3	13.7	16.1	251.0
	II FORT NIGHT	57.6	23.3	14.5	17.5	259.0
Dec, 22	I FORT NIGHT	49.6	20.4	13.2	15.6	247.0
	II FORT NIGHT	56.3	22.7	14.1	17.1	241.0
Jan, 23	I FORT NIGHT	53.5	22.0	13.7	16.1	249.0
	II FORT NIGHT	58.9	23.8	14.6	17.6	258.0
Feb, 23	I FORT NIGHT	55.2	22.7	16.3	18.7	253
	II FORT NIGHT	59.1	23.9	15.9	18.9	261.0
Mar, 22	I FORT NIGHT	56.3	23.1	17.1	19.5	263.0
	II FORT NIGHT	58.4	23.6	16.5	19.5	258.0
Apr, 23	I FORT NIGHT	57.2	23.5	17.8	20.2	271.0
	II FORT NIGHT	58.4	23.6	17.1	20.1	263.0
May, 23	I FORT NIGHT	62.9	52.9	17.2	19.6	287.0
	II FORT NIGHT	72.1	29.1	16.5	19.5	326.0
Jun, 23	I FORT NIGHT	63.5	26.1	18.2	20.6	289.0
	II FORT NIGHT	60.2	24.3	18.3	21.3	261.0
Jul, 23	I FORT NIGHT	54.6	22.4	13.1	15.5	236.0
	II FORT NIGHT	58.4	23.6	10.9	13.9	223.0
Aug, 23	I FORT NIGHT	53.5	22.0	13.4	15.8	212
	II FORT NIGHT	56.2	22.7	11.1	14.1	239.0
Sep, 23	I FORT NIGHT	51.6	21.2	12.6	15.0	189.0
	II FORT NIGHT	58.1	23.5	13.5	16.5	241.0

AAQ – Buffer Zone – Budawada

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	51.6	20.4	14.4	17.2	270.0
	II FORT NIGHT	60.2	24.7	14.2	16.8	256.0
Nov, 22	I FORT NIGHT	53.4	21.1	14.1	16.9	274.0
	II FORT NIGHT	62.3	25.6	13.7	16.3	271.0
Dec, 22	I FORT NIGHT	50.1	19.8	13.8	16.6	263
	II FORT NIGHT	61.6	25.3	14.1	16.7	263.0
Jan, 23	I FORT NIGHT	55.9	22.1	13.2	16	266
	II FORT NIGHT	63.5	26.1	14.5	17.1	265
Feb, 23	I FORT NIGHT	58.3	23	14.1	16.9	271
	II FORT NIGHT	65.2	26.8	15.3	17.9	272.0
Mar, 22	I FORT NIGHT	60.2	23.8	15.4	18.2	251.0
	II FORT NIGHT	67.3	27.7	15.8	18.4	281.0
Apr, 23	I FORT NIGHT	61.3	24.2	15.9	18.7	258.0
	II FORT NIGHT	67.3	27.7	16.8	19.4	292.0
May, 23	I FORT NIGHT	65.6	25.9	15.3	18.1	310.0
	II FORT NIGHT	59.7	24.5	17.9	20.5	318.0
Jun, 23	I FORT NIGHT	62.8	24.8	16.9	19.7	268.0
	II FORT NIGHT	69.1	28.4	16.2	18.8	292.0
Jul, 23	I FORT NIGHT	55.3	21.8	12.8	15.6	254.0
	II FORT NIGHT	52.9	21.7	12.3	14.9	246.0
Aug, 23	I FORT NIGHT	52.8	20.9	12.9	15.7	231
	II FORT NIGHT	50.3	20.7	12.5	15.1	244.0
Sep, 23	I FORT NIGHT	50.8	20.1	12.3	15.1	245.0
	II FORT NIGHT	52.6	21.6	13.9	16.5	255.0

AAQ – Buffer Zone – Vedadri

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	52.8	21.5	13.8	16.1	244.0
	II FORT NIGHT	58.3	23.2	14.5	17.3	254.0
Nov, 22	I FORT NIGHT	54.6	22.3	13.4	15.7	252.0
	II FORT NIGHT	59.7	23.8	14.9	17.7	264.0
Dec, 22	I FORT NIGHT	52.7	21.5	13.1	15.4	248
	II FORT NIGHT	57.2	22.8	13.8	16.6	248.0
Jan, 23	I FORT NIGHT	56.8	23.2	13.8	16.1	253
	II FORT NIGHT	59.6	23.7	14.4	16.9	254
Feb, 23	I FORT NIGHT	57.9	23.6	14.5	16.8	259
	II FORT NIGHT	60.6	24.1	15.2	18.0	263.0
Mar, 22	I FORT NIGHT	59.5	24.3	15.2	17.5	289.0
	II FORT NIGHT	61.3	24.4	16.3	19.1	266.0
Apr, 23	I FORT NIGHT	58.2	23.7	16.3	18.6	274.0
	II FORT NIGHT	61.3	24.4	17.1	19.9	274.0
May, 23	I FORT NIGHT	63.1	25.7	16.9	19.2	290.0
	II FORT NIGHT	62.3	24.8	18.2	21.0	291.0
Jun, 23	I FORT NIGHT	64.6	26.4	17.1	19.4	271.0
	II FORT NIGHT	63.5	25.3	16.9	19.7	274.0
Jul, 23	I FORT NIGHT	61.2	25.0	14.2	16.5	235.0
	II FORT NIGHT	60.6	24.1	11.2	14.0	248.0
Aug, 23	I FORT NIGHT	60.4	24.6	13.2	15.5	232
	II FORT NIGHT	54.3	21.6	12.8	15.6	251.0
Sep, 23	I FORT NIGHT	58.9	24.0	12.5	14.8	252.0
	II FORT NIGHT	58.2	23.2	13.8	16.6	263.0

AAQ – Buffer Zone – Pochampalli

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	53.5	21.9	13.2	16.1	256.0
	II FORT NIGHT	57.6	23.4	14.3	16.6	229.0
Nov, 22	I FORT NIGHT	55.1	22.5	13.9	16.8	259.0
	II FORT NIGHT	58.3	23.7	14.6	16.9	238.0
Dec, 22	I FORT NIGHT	53.5	21.9	13.5	16.4	264
	II FORT NIGHT	56.9	23.1	14.2	16.5	227.0
Jan, 23	I FORT NIGHT	54.1	22.1	13.3	16.2	277
	II FORT NIGHT	55.1	22.4	14.3	16.6	239
Feb, 23	I FORT NIGHT	56.2	23	14.1	17	278
	II FORT NIGHT	57.1	23.2	15.8	18.1	248.0
Mar, 22	I FORT NIGHT	58.4	23.9	14.8	17.7	296.0
	II FORT NIGHT	56.3	22.9	16.4	18.7	253.0
Apr, 23	I FORT NIGHT	60.4	24.7	15.5	18.4	288.0
	II FORT NIGHT	56.3	22.9	16.9	19.2	268.0
May, 23	I FORT NIGHT	68.2	27.9	17.3	20.2	312.0
	II FORT NIGHT	61.6	25.0	17.1	19.4	307.0
Jun, 23	I FORT NIGHT	61.3	25.1	15.3	18.2	299.0
	II FORT NIGHT	58.6	23.8	17.1	19.4	259.0
Jul, 23	I FORT NIGHT	58.3	23.8	13.5	16.4	216.0
	II FORT NIGHT	53.5	21.7	14.1	16.4	261.0
Aug, 23	I FORT NIGHT	59.3	24.3	13.3	16.2	229
	II FORT NIGHT	51.6	20.9	14.2	16.5	268.0
Sep, 23	I FORT NIGHT	57.1	23.4	13.1	16.0	236.0

	II FORT NIGHT	53.5	21.7	15.1	17.4	274.0
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AAQ – Buffer Zone – Ravirala

Month		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
Oct, 22	I FORT NIGHT	50.6	20.6	14.1	17.1	278.0
	II FORT NIGHT	53.8	22.0	13.8	16.7	223.0
Nov, 22	I FORT NIGHT	52.9	21.5	14.5	17.5	284.0
	II FORT NIGHT	55.1	22.5	14.1	17.0	240.0
Dec, 22	I FORT NIGHT	49.6	20.2	14.1	17.1	271
	II FORT NIGHT	53.2	21.7	13.8	16.7	221.0
Jan, 23	I FORT NIGHT	51.2	20.8	14.5	17.5	283
	II FORT NIGHT	56.8	23.2	13.9	16.8	229
Feb, 23	I FORT NIGHT	53.1	21.6	14.9	17.9	296
	II FORT NIGHT	58.3	23.8	14.6	17.5	233.0
Mar, 22	I FORT NIGHT	55.1	22.4	15.4	18.4	257.0
	II FORT NIGHT	60.2	24.6	15.8	18.7	221.0
Apr, 23	I FORT NIGHT	57.9	23.6	15.1	18.1	263.0
	II FORT NIGHT	60.2	24.2	16.5	19.4	214.0
May, 23	I FORT NIGHT	64.1	26.1	16.5	19.5	301.0
	II FORT NIGHT	60.8	24.8	15.8	18.7	288.0
Jun, 23	I FORT NIGHT	65.9	26.8	16.8	19.8	286.0
	II FORT NIGHT	62.8	25.6	16.4	19.3	246.0
Jul, 23	I FORT NIGHT	59.7	24.3	11.6	14.6	272.0
	II FORT NIGHT	60.1	24.5	13.8	16.7	216.0
Aug, 23	I FORT NIGHT	57.1	23.2	11.9	14.9	268
	II FORT NIGHT	55.3	22.6	14.1	17.0	221.0
Sep, 23	I FORT NIGHT	55.4	22.5	11.6	14.6	258.0
	II FORT NIGHT	57.9	23.6	15.3	18.2	213.0

- v. **Data on ambient air quality (RSPM, PM₁₀ / PM_{2.5}, SO₂, 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.**

Status: Being complied.

As per the records, it has been observed that the PAs are regularly submitting the data of the Ambient Air Quality to Ministry's Regional Office on regular basis along with six monthly compliance reports. The latest six monthly compliance report along with monitored data for the period October, 2022 to March, 2023 has submitted vide letter no. RCL/MoEF&CC/RBLM-239/462 dated 27.05.2023. The data is also being displayed at project site. The six monthly compliance reports are being uploaded on the company's website (<https://ramcocements.in/sustainability/reports>) and regularly being updated.

- 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.**

Status: Being complied

It has been observed that the PAs are in process of taking following measures for control of noise levels below 85 dB(A) in the work environment:

- 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 is being submitted to the Ministry regularly along with half-yearly compliance reports.

As per the information provided, it has been observed that the PAs are monitoring noise levels at five (05) locations viz., drilling area, loading area, haul road-1, haul road-2 and rest shelter. As per the reports, the noise levels are below 85 dB(A).

- vii. **Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.**

Status: Being complied

It has been observed that there is no waste water generation from the mine. The domestic wastewater is being treated in septic tank followed by soak pit.

- 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.**

Status: Being complied

It has been observed that the Personal Protective Equipment are being provided and adequate training and information on safety and health aspects are being provided as part Mines Vocational Training. 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.**

Status: Not applicable at present

As the project is completed and there is no requirement of housing of the labour. It has been stated that, during the project time, the labourers were mobilized

from the nearby villages. Once the regular production starts, the housing will be provided in the colony located near cement plant, for the regular employees.

- x. **A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.**

Status: Being complied

It has been observed that the PAs have a separate Environmental Management Cell for the project to carry out the Environmental Management and Monitoring functions.

- xi. **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.**

Status: Being complied.

As per the records, it has been informed that the mine is opened on 01.02.2014 and the financial closure and final approval date is 20.10.2010.

- 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.**

Status: Being complied.

As per the discussions held, it has been observed that the funds earmarked for environment protection are not being diverted for other purposes. The details of expenditure incurred under environmental protection are being submitted to the Ministry's Regional Office along with six monthly compliance reports on regular basis.

As per the information provided, the expenditure incurred under environmental protection measures for last four years are as follows:

FINANCIAL YEAR 2019-2020			
Capital / Recurring	Description	For the year 2019-2020, in Rs.	Projected for 2020-2021, in Rs.
Recurring	Pollution Control - Nonel detonators	41000.00	43000.00
	Pollution Control - Water Sprinkling	109908.00	125000.00

	Pollution Monitoring	136530.00	150000.00
	Wet drilling	1000.00	10000.00
	Greenbelt	1167000.00	500000.00
	Reclamation	0.00	0.00
Total		1455438.00	828000.00

FINANCIAL YEAR 2020-21			
Capital / Recurring	Description	For the year 2020-2021, in Rs.	Projected for 2021-2022, in Rs.
Recurring	Pollution Control - Nonel detonators	31622.76	50000.00
	Pollution Control - Water Sprinkling	5000.00	100000.00
	Pollution Monitoring	120000.00	128000.00
	Wet drilling	5000.00	10000.00
	Greenbelt	1033000.00	241000.00
	Reclamation	0.00	0.00
Total		1194622.76	529000.00

FINANCIAL YEAR 2021-22			
Capital / Recurring	Description	For the year 2021- 2022, in Rs.	Projected for 2022-2023, in Rs.
Recurring	Pollution Control - Nonel detonators	213000.00	50000.00
	Pollution Control - Water Sprinkling	418000.00	100000.00
	Pollution Monitoring	128500.00	130000.00
	Wet drilling	5000.00	10000.00
	Greenbelt	837000.00	500000.00
	Reclamation	0.00	0.00

Total	1601500.00	790000.00
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FINANCIAL YEAR 2022-23			
Capital / Recurring	Description	For the year 2022- 2023, in Rs.	Projected for 2023-2024, in Rs.
Recurring	Pollution Control - Nonel detonators	631000.00	1300000.00
	Pollution Control - Water Sprinkling	614000.00	1500000.00
	Pollution Monitoring	128000.00	130000.00
	Wet drilling	7000.00	10000.00
	Greenbelt	811000.00	1500000.00
	Reclamation	0.00	0.00
Total		2191000.00	4440000.00

- 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.**

Status: Being complied.

As per the records, it has been informed that the mine is opened on 01.02.2014 and the financial closure and final approval date is 20.10.2010.

- 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.**

Status: Being complied.

It has been observed that the condition is being complied with. PAs are extending full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

- 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.

Status: Being complied

As per the records, it has been observed that the PAs are regularly submitting the data of the Ambient Air Quality to Ministry's Regional Office on regular basis along with six monthly compliance reports. The latest six monthly compliance report along with monitored data for the period October, 2022 to March, 2023 has submitted vide letter no. RCL/MoEF&CC/RBLM-239/462 dated 27.05.2023. The data is also being displayed at project site. The six monthly compliance reports are being uploaded on the company's website (<https://ramcements.in/sustainability/reports>) and regularly being updated.

- 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>.**

Status: Complied

It has been observed that the PAs have advertised details regarding grant of Environmental Clearance in two local newspapers viz., Saakshi (Telugu daily) and Deccan Chronicle (English daily) on 12.12.2009 and copy of the same has submitted to Ministry's Regional Office. The EC is uploaded to the company's website (<https://ramcements.in/sustainability/reports>).

- 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.**

Status: Complied

As per the discussions held, it has been informed that the copy of EC letter has marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The EC is uploaded to the company's website (<https://ramcements.in/sustainability/reports>).

- 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.**

Status: Complied

It has been observed that the condition has complied with.

- xix. **The Environmental Statement for each financial year ending 31st 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.**

Status: Being complied

It has been observed that the PAs are regularly submitting environmental statement for each financial year ending 31st March in Form-V to Ministry's Regional Office. The Environment Statement in Form V for the year 2020-2021 has submitted vide letter no. RCL/PCB-Form-V/238/606 dated 25.09.2023 and is uploaded on the website of the company ([RCL Env Statement JPM Mines FY 2022 2023 a599e01999.pdf](https://www.ramcocements.in/RCL_Env_Statement_JPM_Mines_FY_2022_2023_a599e01999.pdf) ([ramcocements.in](https://www.ramcocements.in)))

EC Amendment Letter No. J-11015/150/2008-IA II (M) dated 07.08.2023.

- i. **The Project Proponent needs to commission the railway line within the 6 months from the date of issue of this amendment EC.**

Status: Assured to comply

It has been observed that the PAs are in process of constructing the railway line and assured to commission within the 6 months from the date of issue of this amendment.

- 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.**

Status: Being complied

It has been observed that the PAs are in process of constructing the railway line and assured to commission within the 6 months from the date of issue of this amendment. At present, mineral is being transported through existing route by road only.

- 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.**

Status: Assured to comply

As per the discussions held, PAs have assured to comply the condition.

- iv. **The Project Proponent should follow-up the status of implementation on 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.**

Status: Assured to comply

As per the discussions held, PAs have assured to comply the condition.

- 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 sapling 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.**

Status: Assured to comply

As per the discussions held, PAs have assured to comply the condition.

- 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.**

Status: Being complied

It has been observed that the Govt. of Andhra Pradesh, O/o The Commissioner, Panchayat Raj & Rural Development & Administrator, APWALTA vide Lr. No. PRR05-11028/45/2018-SLNA-GIS-CORD dated 13.11.2021 issued NOC for dewatering of 12,365 KLD of Mine seepage water from 5 captive mines. The NOC is valid for three years from the date of issues of the letter.

- 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.**

Status: Being complied

The condition is being complied with.

- viii. **All other terms and conditions mentioned in the EC letter dated 10.12.2009 shall remain unchanged.**

Status: Being complied

The condition is being complied with.

10. Observations:

The PAs have complied or are in process of complying the conditions stipulated by the Ministry. In this context, information/action plans have been sought on following non-compliances / violations:

1. It is required to submit the wild life conservation plan at the earliest to Ministry and this Office. *(Specific Condition No. ii; Partially complied)*
2. It is required to submit the fugitive emissions monitoring reports along with six monthly compliance reports on regular basis. *(Specific Condition No. xi and General Condition No. iii; Partially complied)*

11. Recommendations:

- **Minor non-compliances detected (not of immediate danger to health & safety of the people).**
- **Letter issued to Project Authorities for taking corrective measures and requested for submission of Action Taken Report against the non-compliances observed for issue of final certified report.**

Sd/-

(डॉ। सुरेश बाबु पसुपुलेटी)

(Dr. Suresh Babu Pasupuleti)

संयुक्त निदेशक (एस) / Joint Director (S)

Signed by

Dr. Suresh Babu Pasupuleti

Date: 07-11-2023 10:05:28