

Kumarasamy Raja Nagar – 521457
Jaggayyapet Mandal, Krishna District,
Andhra Pradesh, India
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THE RAMCO CEMENTS LIMITED

RCL/PCB-Form-V/238/

Date: 13.09.2025

The Environmental Engineer,
AP Pollution Control Board,
Regional Office, Plot No. 41,
Kanakadurga Officer's Colony,
Opp. SBI, Gurunanak Road,
VIJAYAWADA – 520 008.

Dear Sir,

Sub: Submission of Environmental Statement in Form - V for
Jayanthipuram Limestone Mine (North Band), Jayanthipuram Limestone
Mine (South Band), Ravirala Limestone Mine (RF) and Ramco Budawada
Limestone Mine (RF) for the Financial Year 2024-2025 - Reg.

Please find enclosed herewith two sets of Environmental Statement in
Form - V for the following Captive Mines of us for the financial year
2024-2025 along with relevant enclosures:

- 1) Jayanthipuram Limestone Mine (North Band)
- 2) Jayanthipuram Limestone Mine (South Band)
- 3) Ravirala Limestone Mine (RF)
- 4) Ramco Budawada Limestone Mine (RF)

This is for your information and records please.

Thanking you.

Yours faithfully,
For The Ramco Cements Limited,

(ASHISH KUMAR SRIVASTAVA)
Sr. President (Manufacturing)

Encl.: As above.

ENVIRONMENTAL STATEMENT (FORM – V)

FOR FINANCIAL YEAR 2024-2025

JAYANTHIPURAM LIMESTONE MINE (NORTH BAND)

JAYANTHIPURAM LIMESTONE MINE (SOUTH BAND)

RAVIRALA LIMESTONE MINE (RF)

RAMCO BUDAWADA LIMESTONE MINE (RF)

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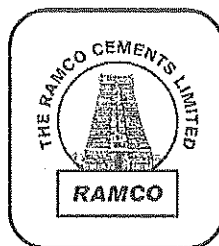
QMS- IS / ISO 9001:2015,

EMS- IS/ ISO 14001:2015,

OHSMS- IS/ISO 45001:2018,

EnMS – ISO 50001:2018

Certified Company



**THE RAMCO CEMENTS LIMITED,
KUMARASAMY RAJA NAGAR - 521457
JAGGAIAHPET (M),
NTR DIST., AP.**

ENVIRONMENTAL STATEMENT (FORM – V)

(See rule 14)

**Environmental statement for the financial year
ending the 31st March 2025****PART – A**

1.	Name and address of the owner / occupier of the industry operation or process	:	The Ramco Cements Limited Kumarasamy Raja Nagar - 521 457, Jaggiahpet Mandal, NTR Dt., A.P															
	Industry operation or process	:	Captive Limestone Mines: 1) Jayanthipuram Limestone Mine (North Band) 2) Jayanthipuram Limestone Mine (South Band) 3) Ravirala Limestone Mine (RF) 4) Ramco Budawada Limestone Mine (RF)															
2.	Industry category Primary – (STC Code) Secondary – (SIC Code)																	
3.	Production capacity		Production capacities and production details are: <table border="1"><thead><tr><th>Mine</th><th>Limestone EC Capacity, Million TPA</th><th>Limestone achieved in Million Tonne (2024-2025)</th></tr></thead><tbody><tr><td>Jayanthipuram Limestone Mine (North Band)</td><td>1.80</td><td>1.296</td></tr><tr><td>Jayanthipuram Limestone Mine (South Band)</td><td>1.75</td><td>0.036</td></tr><tr><td>Ravirala Limestone Mine (RF)</td><td>2.75</td><td>2.029</td></tr><tr><td>Ramco Budawada Limestone Mine (RF)</td><td>2.50</td><td>2.111</td></tr></tbody></table>	Mine	Limestone EC Capacity, Million TPA	Limestone achieved in Million Tonne (2024-2025)	Jayanthipuram Limestone Mine (North Band)	1.80	1.296	Jayanthipuram Limestone Mine (South Band)	1.75	0.036	Ravirala Limestone Mine (RF)	2.75	2.029	Ramco Budawada Limestone Mine (RF)	2.50	2.111
Mine	Limestone EC Capacity, Million TPA	Limestone achieved in Million Tonne (2024-2025)																
Jayanthipuram Limestone Mine (North Band)	1.80	1.296																
Jayanthipuram Limestone Mine (South Band)	1.75	0.036																
Ravirala Limestone Mine (RF)	2.75	2.029																
Ramco Budawada Limestone Mine (RF)	2.50	2.111																
4.	Year of Establishment		1986															
5.	Date of the last environment audit report submitted	:	16.09.2024															

PART – B**WATER AND RAW MATERIAL CONSUMPTION**Water consumption m³/day:

Process & greenbelt

411.0m³/day

Total

411.0m³/day

Note: Water consumption is considered for 305 days of mine operation.

Name of the product(s)	Water consumption per unit of products (m ³ /MT of Limestone)	
	During the previous financial year (2023-2024)	During the current financial year (2024-2025)
Limestone	0.020	0.022

Note:

- Water consumption for drinking purpose is being transported from water treatment plant located in cement plant. This quantity is included in the cement plant domestic use category, hence not mentioned here.
- The limestone production details are given in **Annexure – I**.

Raw material consumption:

Sl. No.	Name of the raw material	Consumption of raw material	
		During the previous financial year (2023-2024)	During the current financial year (2024-2025)
1	Diesel Oil, L	45,60,288	41,01,235
2	Lubricant Oil, L	64,481	1,29,175
3	Grease, kg	11,573	11,750
4	ANFO, kg	8,87,100	8,29,800
5	Slurry explosives – Large dia. (above 32mm), kg	6,62,997	3,06,119
6	Electrical Detonators – Ordinary, Nos.	718	2,891
7	Electrical Detonators – Delay, Nos.	5,740	145
8	Nonel Detonators, Nos.	4,97,404	36,6152
9	Detonating fuse, m	5,250	4,365

PART- C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentrations of Pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water			
p ^H	Auto Garage Oil & Grease Trap Treated Waste Water - Not quantified in the financial year 2024-2025	7.48 - 7.98	Well within the prescribed limits
TDS		916.3 mg/L	
TSS		72.2 mg/L	
COD		134.1 mg/L	
BOD		44.1 mg/L	
O & G		1.7 mg/L	

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentrations of Pollutants discharges (Mass/volume), µg/m ³	Percentage of variation from prescribed standards with reasons
(b) Air - Ambient Air Quality Monitoring in the nearby areas:			
PM ₁₀	Dharmavarappadu Thanda Village	53.78	Well within the prescribed limits
PM _{2.5}		21.74	
SO ₂		13.59	
NO _x		16.31	
CO		252.00	

PM ₁₀	Jayanthipuram Village	54.31	Well within the prescribed limits
PM _{2.5}		21.96	
SO ₂		14.74	
NOx		17.64	
CO		251.28	
PM ₁₀	Chillakallu	53.37	Well within the prescribed limits
PM _{2.5}		21.59	
SO ₂		14.40	
NOx		17.30	
CO		275.63	
PM ₁₀	K Agraharam Village	54.00	Well within the prescribed limits
PM _{2.5}		21.89	
SO ₂		14.33	
NOx		17.56	
CO		279.63	
PM ₁₀	Jaggayyapet	54.43	Well within the prescribed limits
PM _{2.5}		22.18	
SO ₂		14.34	
NOx		17.03	
CO		276.33	
PM ₁₀	Budawada Village	52.42	Well within the prescribed limits
PM _{2.5}		21.13	
SO ₂		14.31	
NOx		17.01	
CO		261.58	
PM ₁₀	Vedadri Village	54.87	Well within the prescribed limits
PM _{2.5}		22.10	
SO ₂		14.81	
NOx		16.71	
CO		266.46	
PM ₁₀	Pochampalli Village	52.45	Well within the prescribed limits
PM _{2.5}		21.38	
SO ₂		14.11	
NOx		17.29	
CO		266.25	
PM ₁₀	Ravirala Village	51.43	Well within the prescribed limits
PM _{2.5}		21.77	
SO ₂		14.38	
NOx		17.35	
CO		274.42	

Mine	Location	Average concentration, $\mu\text{g}/\text{m}^3$				
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO
Jayanthipuram Limestone Mine (North Band)	Mines Office	59.91	33.94	14.98	17.53	513.04
	Workshop	58.31	23.78	15.61	18.46	535.13
	Sub-station	57.42	23.45	15.08	17.88	525.96
	Magazine Area	59.76	24.3	15.61	18.65	547.17
Jayanthipuram Limestone Mine (South Band)	Mines Office	57.16	23.08	15.63	18.13	540.5
	Pump House	56.09	22.72	17.22	20.12	542.58
	Haul Road	56.83	23.24	16.08	18.83	537.83
	Loading Area	56.00	22.58	17.43	20.28	553.25
Ravirala Limestone Mine (RF)	Mines Office	56.58	32.36	16.05	18.7	525.17
	ML3 Tower Light Area	57.89	23.46	15.4	18.45	528.13
	ML4 Tower Light Area	57.64	23.4	15.85	18.9	517.29
	View Point Tower Light Area	54.78	22.08	15.61	18.66	522.92
Ramco Budawada Limestone Mine (RF)	Drilling Area	60.94	24.6	14.76	17.28	530.42
	Loading Area	58.44	23.88	15.4	17.98	527.17
	Haul Road - 1	62.08	25.39	15.19	18.15	524.46
	Haul Road - 2	57.38	23.5	15.95	18.68	521.58

Note:

- The analysis data of Auto Garage Oil & Grease Trap Treated Waste Water generated for the financial year 2024-2025 is narrated in **Annexure - II**. No deviation is observed from Prescribed Standards in this period.
- Data on ambient air quality monitoring carried out in the nearby villages (9 locations) in the financial year 2024-2025 by MoEF&CC approved environmental monitoring agency is enclosed in **Annexure - III**. No deviation is observed (with respect to quality) for ambient air quality data (in the surrounding villages) from Prescribed Standards in the financial year 2024-2025.
- Data on core zone air monitoring carried out in four mining leases in the financial year 2024-2025 is enclosed as **Annexure - III**.

PART – D

HAZARDOUS WASTES

As specified under 1[Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008]]

Hazardous Waste	During the current financial year (2023-2024)	During the current financial year (2024-2025)
Waste oil	Used within the premises. No disposal to outside agencies.	Used within the premises. No disposal to outside agencies.
Waste grease		
Waste lead acid batteries#	980 kg of used lead acid batteries disposed to M/s Southern Power Industries	1.M/s Exide – 420 kg 2.M/s Novateur Electrical & Digital Systems Private - 930 kg. 3.M/s Star Battery - 1290 kg Total 2640 kg (2.64 Tonne) of used lead acid batteries disposed.

- Copy of Form - 4 (submitted to APPCB) - Hazardous Waste generation / receipts and consumption / disposal details for mines for the financial year 2024-2025 is enclosed as **Annexure - IV**.
- Part of the waste oil / lubricants is used along with fresh grease for reclaimers.

Note: Waste lead acid batteries from cement plant, thermal power plant, waste heat recovery plant and limestone mines.

PART – E
SOLID WASTES

Location	During the previous financial year (2023-2024)	During the current financial year (2024-2025)
(a) From process		
I. Overburden / waste Generation, Tonne		
i. Jayanthipuram Limestone Mine (North Band)	30,84,025	31,84,694
ii. Jayanthipuram Limestone Mine (South Band)	22,711	9,170
iii. Ravirala Limestone Mine (RF)	6,89,634	98,497
iv. Ramco Budawada Limestone Mine (RF)	0	20,460
II. Top Soil Generation, Tonne		
i. Jayanthipuram Limestone Mine (North Band)	0	0
ii. Jayanthipuram Limestone Mine (South Band)	0	0
iii. Ravirala Limestone Mine (RF)	0	0
iv. Ramco Budawada Limestone Mine (RF)	0	0
(b) From pollution control facility (wet drilling, water sprinkling, etc.)	No solid waste generated	
(c) Quantity recycled or re-utilized (for reclamation), Tonne		
i. Jayanthipuram Limestone Mine (North Band)	30,84,025	31,84,694
ii. Jayanthipuram Limestone Mine (South Band)	0	0
iii. Ravirala Limestone Mine (RF)	0	0
iv. Ramco Budawada Limestone Mine (RF)	0	0

PART – F

(Please specify the characteristics in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes

Solid Waste Handling & Reclamation:

- Total solid waste handled in the financial year 2024-2025 is as follows:

Name of the Mine	Solid Waste, Tonne		
	Generated	Used in reclamation	Dumped in dumps
Jayanthipuram Limestone Mine (North Band)	31,84,694	31,84,694	0
Jayanthipuram Limestone Mine (South Band)	9,170	0	9,170
Ravirala Limestone Mine (RF)	98,497	0	98,497
Ramco Budawada Limestone Mine	20,460	0	20,460 (Used for plantation activity)

- 23.20 ha of area is reclaimed by the end of financial year 2024-2025 at Jayanthipuram Limestone Mine (North Band). No reclamation is initiated in other mines.
- Details of handling / disposal of various wastes generated from mines, plant and colony are given in **Annexure – I**.

PART - G

Impact of the pollution control measures taken on concentration of natural resources and on the cost of production

- All the surrounding areas are kept free from pollution.
- Rs. 52.33 lakh spent on installation of Continuous Ambient Air Quality Monitoring Station at Ramco Budawada Limestone Mine (RF) in the financial year 2024-2025.
- The recurring expenditure incurred for environmental protection measures in financial year 2024-2025 is Rs. 803.96 lakh for all four operating mining leases i.e., nearly Rs. 14.68 per Tonne of limestone production against Rs. 14.31 per Tonne of limestone production in the financial year 2023-2024.
- Various expenditures incurred for environment protection measures for 4 Nos. of mining leases are listed in **Annexure - V**.
- An amount of Rs 714.90 lakh is allocated towards Environment Management Activities for the financial year 2025-2026 towards capital as well as recurring costs for mines and being spent.

PART – H

Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution

- As part of environmental protection measures, 3.60 ha is reclaimed during the financial year 2024-2025 and a cumulative of 23.20 ha by the end of financial year 2024-2025 at Jayanthipuram Limestone Mine (North Band).

PART – I

Any other particulars for improving the quality of the environment

Various Management Systems are being implemented in our premises, viz.,

Management System	Implemented from
Quality Management System - IS/ISO 9001:2015	1996
Environmental Management System - IS/ISO 14001:2015	2006
Occupational Health & Safety Management System – IS/ISO 45001:2018	2010
Energy Management System - ISO 50001:2018	2014
Work Place Management - 5S Certification	2016

ENVIRONMENTAL PROTECTION MEASURES

Ramco group of Companies have diversified activities in Cement, Textiles, Fibre-Cement Products, Wind Energy, Software Products, Surgical Dressings, Ready-Mix Concrete and Dry Mortar Plants.

The Ramco Cements Limited is a unit of the Ramco Group which has been growing steadily right from its inception with present capacity 24 Million Tonnes / Annum of cement. RCL, which has always been striving for Total Quality Management, possesses International Management Systems Certificates IS/ISO 9001:2015, IS/ISO 14001:2015, IS/ISO 45001:2018, ISO 50001:2018 and 5-S Workplace Management System.

The KSR Nagar plant was presented with an Award in recognition of practicing 'Cleaner Production Measures' from AP Pollution Control Board, Hyderabad for the year 2011-2012 on the eve of World Environment Day – 05th June 2012. Andhra Pradesh Pollution Control Board recommended for 'Better Environmental Practices Award - First in Cement Industry Category for the year 2016-2017 in the State of Andhra Pradesh'.

Captive Limestone Mines are obtaining awards in Mines Environmental & Mineral Conservation Week and in Mines Safety Week celebrations. Captive Mines is using Nonel Delay Detonators, to reduce ground vibration, to avoid fly rocks & fugitive dust. Permanent water sprinkling system is installed on mines haul road to reduce fugitive dust.

PRODUCTION DETAILS:

Name of the Mine	Production Capacities of Mines as per EC, TPA	For Current Financial Year 2024-2025, Tonne	
		Production	Despatch
Jayanthipuram Limestone Mine (North Band)	18,00,000	12,96,749	13,29,000
Jayanthipuram Limestone Mine (South Band)	17,50,000	36,468	53,670
Ravirala Limestone Mine (RF)	27,50,000	20,29,000	20,29,000
Ramco Budawada Limestone Mine (RF)	25,00,000	21,11,982	21,12,300

AIR:

Air Pollution Control Measures:

- Dedicated concrete road is made from Ravirala Limestone Mine (RF) area to Crusher at JPM Plant, covering a length of 5.5 km to control fugitive dust.
- Permanent water sprinkling system installed on mines haul road to reduce fugitive dust.
- Non-el delay detonators are used to reduce ground vibration, to avoid fly rocks & fugitive dust.
- Massive greenbelt development all along the haul roads.
- Dozer is used for dozing haul roads regularly.
- Mobile water sprinklers are used for water sprinkling on internal haul roads & muck pile.

Ambient Air Quality Monitoring:

(i) Ambient Air Quality Monitoring by MoEF&CC Approved External Agency – nearby villages:

Data on ambient air quality monitoring carried out in the nearby 9 Nos. of villages (buffer zones of limestone mining leases) in the financial year 2024-2025 is enclosed as **Annexure - III**. Data on core zone air monitoring carried out in four mine leases in the financial year 2024-2025 is enclosed as **Annexure - III**. The values are within the specified limits. The average values are:

Location / Norm	Average concentration of pollution type, $\mu\text{g}/\text{m}^3$									
	Financial Year 2023-24					Financial Year 2024-2025				
	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO
Pollution Board Norms	100	60	80	80	2000	100	60	80	80	2000
Dharmavarappadu Thanda	58.30	23.59	16.32	18.93	244.75	53.78	21.74	13.59	16.31	252.00
Jayanthipuram Village	58.98	23.86	15.48	18.38	249.08	54.31	21.96	14.74	17.64	251.28
Chillakallu	58.85	23.80	15.37	18.27	244.46	53.37	21.59	14.4	17.3	275.63
K.Agraharam Village	56.48	22.89	14.98	17.73	256.08	54.00	21.89	14.33	17.56	279.63
Jaggayyapet	58.60	25.01	15.31	18.01	244.13	54.43	22.18	14.34	17.03	276.33
Budawada Village	59.02	23.77	14.98	17.68	261.83	52.42	21.13	14.31	17.01	261.58
Vedadri Village	60.85	32.88	15.04	17.59	260.67	54.87	22.1	14.81	16.71	266.46
Pochampalli Village	58.23	32.81	21.15	18.00	263.29	52.45	21.38	14.11	17.29	266.25
Ravirala Village	60.00	24.43	15.01	17.96	262.00	51.43	21.77	14.38	17.35	274.42

Mine	Location	Average concentration, $\mu\text{g}/\text{m}^3$									
		Financial Year 2023-24					Financial Year 2024-25				
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO
	Pollution Board Norms	100	60	80	80	2000	100	60	80	80	2000
Jayanthipuram Limestone Mine (North Band)	Mines Office	63.50	25.72	18.02	20.57	567.13	60.96	36.57	17.54	19.97	565.68
	Workshop	59.56	24.29	18.24	21.09	562.00	60.62	36.98	17.41	19.84	564.90
	Sub-station	60.53	24.70	17.90	20.70	569.21	60.28	37.40	17.36	19.78	560.98
	Magazine Area	62.24	26.42	18.00	21.05	813.54	60.38	38.04	17.54	19.95	567.12
Jayanthipuram Limestone Mine (South Band)	Mines Office	62.33	25.19	18.17	20.67	580.67	57.16	23.08	15.63	18.13	540.50
	Pump House	62.21	25.20	18.50	21.40	584.38	56.09	22.72	17.22	20.12	542.58
	Haul Road	61.70	26.48	18.26	21.01	582.04	56.83	23.24	16.08	18.83	537.83
	Loading Area	59.60	24.22	18.29	21.14	602.75	56.00	22.58	17.43	20.28	553.25
Ravirala Limestone Mine (RF)	Mines Office	63.7	25.7	16.5	19.1	553.7	56.58	32.36	16.05	18.70	525.17
	ML3 Tower Light Area	62.9	25.5	16.1	19.2	571.0	57.89	23.46	15.40	18.45	528.13
	ML4 Tower Light Area	60.9	24.7	16.5	19.5	554.5	57.64	23.40	15.85	18.90	517.29
	View Point Tower Light Area	59.7	24.1	16.6	19.6	562.1	54.78	22.08	15.61	18.66	522.92
Ramco Budawada Limestone Mine (RF)	Drilling Area	63.61	25.72	15.97	18.50	578.54	60.94	24.60	14.76	17.28	530.42
	Loading Area	60.88	24.88	17.23	19.93	569.63	58.44	23.88	15.40	17.98	527.17
	Haul Road - 1	62.87	25.77	16.41	19.38	562.63	62.08	25.39	15.19	18.15	524.46
	Haul Road - 2	62.62	25.83	17.52	20.20	567.71	57.38	23.50	15.95	18.68	521.58

(ii) Continuous Ambient Air Quality Monitoring:

05 Nos. of Continuous ambient air quality monitoring stations are installed. On-line monitoring data is being transmitted to APPCB website. The details of Online Continuous Ambient Air Quality Monitoring equipment are:

S. No.	Location of continuous ambient air monitoring instrument	Make of equipment			
		Parameter - PM ₁₀	Parameter - PM _{2.5}	Parameter - SO ₂	Parameter - NO _x
1	Plant Time Office	Metone	Metone	Horiba	Horiba
2	Mines Office	Metone	Metone	Horiba	Horiba
3	Plant NW Corner	Metone	Metone	Horiba	Horiba
4	Ravirala Limestone Mine (RF)	Metone	Metone	Horiba	Horiba
5	Ramco Budawada Limestone Mine (RF)	Metone	Metone	Horiba	Horiba

WATER:

Water Requirement:

- Mine seepage water is the source for water requirements.
- By considering 305 days of operation of mines, the total water requirement for Captive Mines is 411.0 m³/day in the financial year 2024-2025 against 382.0 m³/day is consumed for year 2023-2024.

Panchayat Raj & Rural Development Department (nodal agency for Central Ground Water Dept) vide Lr. No. PRR05-11028/45/2018-SLNA-GIS-CORD dated 13.11.2021 (which is valid up to 12.11.2024) accorded permission for mine seepage water withdrawal @ 7000 m³/day, for internal use for cement plant, thermal power plant, township and captive mines. Renewal application is submitted and order is awaited.

Water Level Data:

Water levels are regularly monitored through piezometers on regular basis at 4 Nos. of mining leases. The location details are as follows:

S.No	Name of the Mine	No. of Piezometers		
		Manual	Automatic	Total
1	Jayanthipuram Limestone Mine (North Band)	3 Nos.	1 No	4 Nos.
2	Jayanthipuram Limestone Mine (South Band)	2 No	1 Nos.	3 Nos.
3	Ravirala Limestone Mine (RF)	1 No.	3 Nos.	4 Nos.
4	Ramco Budawada Limestone Mine(RF)	2Nos.	1 Nos.	3 Nos.
	Total	14 Nos.		

Details of these piezometers and data on water levels collected in the financial year 2024-2025 is enclosed as **Annexure – VI**.

Permission to Work Below Water Table:

Panchayat Raj & Rural Development Department (nodal agency for Central Ground Water Dept) accorded permission to work below water table vide:

S.No	Mine Name	NOC No., Date of Issue &	Valid Up To
1	Jayanthipuram Limestone Mine (North Band)	No.PRR05-11028/14/2018-SLNA-GIS-CORD,dated 10.07.2024	09.07.2026
2	Jayanthipuram Limestone Mine (South Band)	No.PRR05-11028/13/2018-SLNA-GIS-CORD,dated 02.01.2024	01.01.2026
3	Ravirala Limestone Mine (RF)	No.PRR05-11028/15/2018-SLNA-GIS-CORD,dated 02.01.2024	01.01.2026
4	Ramco Budawada Limestone Mine (RF)	No.PRR05-11028/16/2019-SLNA-GIS-CORD,dated 11.07.2024	10.07.2026

Water Quality Analysis:

- Ground water for the samples collected in the nearby villages is being monitored by MoEF&CC approved external agency. Compiled data for the same in the financial year 2024-2025 is enclosed as **Annexure – VII**.
- Surface water for the samples collected in the nearby sources is being monitored by MoEF&CC approved external agency. Compiled surface water quality data for the samples collected in the financial year 2024-2025 is enclosed as **Annexure – VIII**.

Waste Water Quality Analysis:

- No process effluent generation from limestone extraction.
- Domestic wastewater generated from mining lease is being treated in respective septic tanks followed by soak pits.
- Mine seepage water is being allowed to settle in mine sump located in respective mine, before letting out. Mine seepage water quality data for the samples collected in financial year 2024-2025 is enclosed as **Annexure – IX**. The values are within the specified limits.
- Workshop effluents are being treated in oil & grease trap located and the treated outlet water is being used for greenbelt development. Compiled data on analysis reports of workshop oil & grease trap outlet water carried out in the financial year 2024-2025 by MoEF&CC approved external agency is enclosed as **Annexure - II**. The values are within the specified limits. The average values are:

Pollution Type	Unit	Pollution Board Norms	Average Value / Range (2023-2024)	Average Value / Range (2024-2025)
p ^H		5.5 - 9.0	7.78 - 7.99	7.48 - 7.98
TDS	mg/L	2100	903.1	916.3 mg/L
TSS	mg/L	100	69.7	72.2 mg/L
COD	mg/L	250	133.8	134.1 mg/L
BOD	mg/L	100	44.4	44.1 mg/L
O & G	mg/L	10	1.9	1.7 mg/L

Rain Water Harvesting Pits & Check Dams:

- 48 Nos. of rain water harvesting structures are made to recharge the ground water in the colony and 4 Nos. of rain water harvesting structures are made to recharge the ground water in the plant by March 2025. The locations of these pits are listed in **Annexure – X**.
- 1 No. of check dam is constructed near Jayanthipuram Limestone Mine (North Band) and 2 Nos. of check dams are constructed at Ramco Budawada Limestone Mine (R.F).

- 2 Nos. of ponds of size around 0.5 ha & 0.15 ha made in Jayanthipuram Limestone Mine (North band) to recharge the water table in the vicinity.

Water Conservation:

Water collected in mine pits is being used for:

- Cement plant & power plant process requirements.
- Water sprinkling for dust suppression purpose (plant & mines).
- Greenbelt development purpose.
- Domestic water requirements of plant, mines & colony.
- Domestic water requirements of nearby villages.
- Part of this outlet water is used for agricultural purpose in the nearby areas.
- Part of the excess waste water is being passed to pond (about 0.5 ha & 0.15 ha area) in our own lands to uplift the water table in the nearby area and balance is being let out.

Drinking Water:

- Reverse Osmosis (RO) plant is located at colony and purified water is being distributed to all offices, mines and colony houses. The analysis reports of RO plant inlet and outlet samples in the financial year 2024-2025 are enclosed as **Annexure – XI**.

NOISE & VIBRATION LEVELS:

- Noise level data collected in the mines areas in the financial year 2024-2025 is listed out in **Annexure – XII**.
- Vibration levels are being monitored by Minimate instrument regularly. The vibration reports collected while blasting at four mining leases [Jayanthipuram Limestone Mine (North Band), Jayanthipuram Limestone Mine (South Band), Ravirala Limestone Mine (RF) and Ramco Budawada Limestone Mine (RF)] in the financial year 2024-2025 are enclosed as **Annexure – XIII**. These values are within the specified limits.

OCCUPATIONAL HEALTH:

Occupational health check-ups are being carried out for newly joined employees at the time of joining into the organization and occupational health surveillance programme is carried out for all the employees regularly. Full-fledged occupational health centre is established and services are being rendered by qualified occupational health specialist.

Occupational health checkup at the time of recruitment is being carried for all the employees as per Mines Rules, with the following tests:

- Lung function test
- ECG
- Chest X-ray
- Blood analysis test
- Urine analysis test
- Audiometry

- Checking colour blindness
- Stool Analysis
- Sputum (Optional)

The employees who are working at the time of initiation of this programme are covered for these tests. If any person failed in this health checkup at the time of recruitment, he/she won't get recruited. Like so, a baseline data on the health status of workmen in the Pre-recruitment stage was established. The same is being repeated periodically to update and to take action accordingly.

Occupational health surveillance on regular basis is being carried for all the employees, with the following tests:

- Clinical examination including Neurological assessment
- Lung function test
- ECG
- Chest X-ray
- Blood analysis test
- Urine analysis test
- Audiometry
- Checking colour blindness

If any person failed in this health checkup, he will be shifted / transferred to non-hazardous activities. Till now, no such case is observed.

Occupational Health Centre (with qualified Occupational Health Specialist) is established 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

The first aid box is made available for immediate treatment, at all working mining leases. First aid training is imparted to the selected employees regularly. The list of first aid trained members is being displayed at strategic places.

WASTE HANDLING & CLEANER PRODUCTION PRACTICES:

Solid Waste Handling & Reclamation:

- Total solid waste handled in the financial year 2024-2025 is as follows:

S. No	Name of the Mine	Solid Waste, Tonne			
		Generated	Used in reclamation	Dumped in dumps	Used for plantation
1	Jayanthipuram Limestone Mine (North Band)	31,84,694	31,84,694	0	0
2	Jayanthipuram Limestone Mine (South Band)	9,170	0	9,170	0
3	Ravirala Limestone Mine (RF)	98,497	0	98,497	0
4	Ramco Budawada Limestone Mine (RF)	20,460	0	0	20,460

- 23.20 Ha. of area is reclaimed by the end of financial year 2024-2025 at Jayanthipuram Limestone Mine (North Band).

Handling and disposal practices of various wastes are:

S.No	Type of waste	Quantity handled in 2024-25	Disposal practice
1	Top Soil Generation	Nil	No top soil generation in the financial year 2024-2025 from all the mining leases.
2	Dust generation during drilling	Nil	Controlled by Wet drilling
3	Dust generation during loading	Nil	Water sprinkling on muck piles
4	Dust generation during transportation	Nil	Water sprinkling on haul roads (by permanent water sprinkler of 2 km length of main haul roads and by water tanker on minor haul roads. Concrete road is laid for a distance of 5.5 km from Ravirala Limestone Mine (RF) to the crusher located at Cement Plant, to reduce the fugitive dust generation.
5	Sludge collected from STP	14 m ³	Is being used as manure in greenbelt activities, in place of chemical fertilizers.
6	Colony garbage	18 Tonne of compost	By Vermi-composting and compost is being used for greenbelt activities as manure, in place of chemical fertilizers.
7	Kitchen waste from colony	Not quantified	Kitchen waste is being composted in bio-gas plan. The generated bio-gas is being used in industrial canteen, to partially replace the consumption of LPG.
8	E-waste from plant & mines	IT waste – 2.657 Tonne Instrumentation waste – 1.199 Tonne	Is being disposed to APPCB authorized agencies. Returns are being submitted annually. Copy of the E-waste returns for the financial year 2024-2025 is enclosed as Annexure – XIV . Total quantity by the end of FY 2024-2025 are: Instrumentation waste – 1.199 Tonne IT waste 2.657 Tonne

S.No	Type of waste	Quantity handled in 2024-25	Disposal practice
9	Haz. waste – Waste oil & waste grease from mines	No waste oil & waste grease disposed to external agencies.	Waste oil along with fresh fuel is being used for kiln firing while light up & waste grease for reclaimer lubrication. Excess waste oil & waste grease are sold to APPCB authorized agents. Returns are being submitted annually (Annexure – IV).
10	Haz. waste – waste lead acid batteries from mines	No waste lead acid batteries disposed to external agencies.	Waste lead acid batteries are being disposed to the supplier on exchange basis or to APPCB authorized agencies. Returns are being submitted annually (Annexure – IV).
11	Plastic waste collected from colony, mines and plant	16.23 Tonne	Being fired in the kilns.
12	Bio-medical waste from OHC	Yellow – 156.695 kg Red – 66.418 kg White – 22.483 kg Blue – 27.794 kg	APPCB authorized agent, M/s Safenviron Bio-Medical Treatment Plant for onward treatment, is regularly collecting bio-medical waste from Occupational Health Centre. They collect the bio-medical waste on 48-hour basis. Copy of BMW Annual Returns submitted for the calendar year 2024 is enclosed as Annexure – XV .

CLEANER PRODUCTION PRACTICES:

To control air emissions as well as fugitive emissions from various sources, various cleaner production practices are initiated. These are:

- Dedicated concrete road is made from Ravirala Limestone Mine (RF) area to Crusher at JPM Plant, covering a length of 5.5 km to control fugitive dust.
- Permanent water sprinkler system is installed for a length of nearly 2 km at mines haul road.
- Mobile Water sprinkling on mines internal haul roads.
- Nonel delay detonators instead of conventional detonators.
- Minimate vibration monitor is used to measure the ground vibrations and to control them accordingly.
- Reclamation & rehabilitation initiated at mined out areas.
- For better housekeeping, '5-S – Work Place Management' is implemented.

GREENBELT ACTIVITIES:

Greenbelt developed within ML areas as on 31.03.2025 are as follows:

S.No	Name of the Mine	Greenbelt Area in Ha. specified in EC	Greenbelt Developed Extent in Ha. up to	
			31.03.2024	31.03.2025
1	Jayanthipuram Limestone Mine (North Band)	62.39	66.60	66.70
2	Jayanthipuram Limestone Mine (South Band)	21.07	22.08	22.53
3	Ravirala Limestone Mine (RF)	3.19	10.49	10.64
4	Ramco Budawada Limestone Mine (RF)	0.0	3.50	4.10

High Density Plantation (Miyawaki method):

High density plantation is initiated in the financial year 2019-2020. The details of high density plantation carried out in the plant, captive mines and colony up to March-2025:

- No. of saplings planted – 22335.
- Total area covered – 6040 m2.

RECENT SOCIO - ECONOMIC MEASURES CARRIED OUT:

As part of Corporate Social Responsibility, various socio-economic measures are being carried out. Cost of various socio-economic activities for the surrounding villages in the financial year 2024-2025 is Rs. 99,47,559/- against Rs. 1,01,20,449/- in the financial year 2023-2024.

Some of the major initiatives taken in the financial year 2024-2025 are as follows:

- Procurement of Sewing machines & Embroidery machines to Sri Raghavendra Charitable Trust under CSR funds thru CEO CONNECT to ANDHRA, Planning Department, Government of Andhra Pradesh for the cause of Women empowerment, we contributed an amount of Rs. 10,00,000/- (Rupees Fifteen Lakh only) for the procurement of Sewing machines and Embroidery machines.
- Spent Rs. 13,43,237/- towards Supporting the recent unprecedented floods affected community in nearby villages under disaster relief programme. And spent Rs. 7,84,778 towards distribution of ration kit items to flood affected families in Vijayawada.
- Conducting medical camps in the nearby villages and distributing medicines in free of cost.
- Water supply for agriculture fields at Jayanthipuram Village.
- Water supply for Jayanthipuram village, Dharmavarappadu Thanda village & Budawada village (in summer season) for safe drinking water.
- Construction of 50 kL water tank for Ravirala village and construction of 10 kL drinking water tank & higher capacity water pump for pumping the drinking water to Jayanthipuram village, as part of infrastructural development facilities in the nearby villages.
- Supporting the formation of existing damaged gravel road from Ravirala BC Colony to farmers field crop in Ravirala habitation.
- Providing sports kit to Ravirala School (Football, Volley ball, Badminton kit, etc.).
- Fixing of LED Lights to surrounding villages.
- Construction of auction shed for fishermen community in Ravirala village.

SKILL DEVELOPMENT IN THE NEARBY VILLAGERS:

- Provided 90 days skill enhancement training to 10 unemployed youth from Budawada village on excavator and welding trade. They got placed in renowned leading companies such as Hyundai, Liugong India, Safara, GMR Airport and Leo Equipments etc.
- Apprentice training is being imparted to local ITI students for their onsite training in the industry.
- Post-academic industrial training is being imparted to the local Degree / Diploma holders for their onsite training in the industry.
- Industrial training is being imparted to the local Degree / Diploma holders as part of their academic curriculum.

EXPENDITURE INCURRED FOR ENVIRONMENT PROTECTION:

- Rs. 52.33 lakh spent on installation of Continuous Ambient Air Quality Monitoring Station at Ramco Budawada Limestone Mine (RF) in the financial year 2024-2025.
- The recurring expenditure incurred for environmental protection measures in financial year 2024-2025 is Rs. 803.961 lakh for all four operating mining leases i.e., nearly Rs. 14.69 per Tonne of limestone production against Rs. 14.31 per Tonne of limestone production in the financial year 2023-2024.
- Various expenditures incurred for environment protection measures (other than socio-economic measures) for 4 mining leases [Jayanthipuram Limestone Mine (North Band), Jayanthipuram Limestone Mine (South Band), Ravirala Limestone Mine (RF) and Ramco Budawada Limestone Mine (RF)] for the financial year 2024-2025 are listed in **Annexure - V**.
- An amount of Rs. 714.90 lakh is allocated towards Environment Management Activities for the financial year 2025-2026 towards capital as well as recurring costs for mines and being spent.

CELEBRATION OF WORLD ENVIRONMENT DAY:

- On the eve of World Environment Day – 5th June 2024, plantation activity conducted at plant premises, mines premises, colony premises and at surrounding areas.

THE RAMCO CEMENTS LTD, KSR NAGAR
AUTO GARAGE OIL & GREASE TRAP OUTLET QUALITY
PERIOD - APRIL 2024 TO MARCH 2025

Parameter	Unit													Norm	Average / Range	Min.	Max.
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25				
p ^H		7.88	7.79	7.83	7.98	7.48	7.52	7.63	7.67	7.79	7.82	7.74	7.82	5.5 - 9.0	7.68 - 7.99	7.48	7.98
Total Dissolved Solids	mg/L	823.00	856.00	891.00	978.00	952.00	911.00	929.00	901.00	926.00	958.00	912.00	959.00	2100	916.3	823.0	978.0
Total Suspended Solids	mg/L	70.60	73.60	45.30	70.60	73.60	70.20	73.50	70.60	72.30	73.90	70.20	72.30	200	69.7	45.3	73.9
Chemical Oxygen Demand	mg/L	123.00	131.00	148.00	139.00	126.00	118.00	121.00	138.00	141.00	148.00	135.00	141.00	250	134.1	118.0	148.0
BOD (for 3 days at 27 °C)	mg/L	43.90	45.20	42.30	40.60	42.30	43.60	45.10	42.60	45.30	46.90	44.20	46.80	100	44.1	40.6	46.9
Oil & Grease	mg/L	2.40	2.80	2.20	1.30	1.14	1.70	1.90	1.40	1.10	1.40	1.20	1.80	10	1.70	1.10	2.80

Note: All values are mentioned as mg/L, except p^H.

THE RAMCO CEMENTS LTD., KSR NAGAR
AMBIENT AIR QUALITY MONITORING DATA - BUFFER ZONE VILLAGES
(PERIOD - APRIL 2024 TO MARCH 2025)

Location	Parameter	April-24		May-24		June-24		July-24		Aug-24		Sep-24		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Limits
		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	I Fort- night	II Fort- night	I Fort- night	II Fort- night	I Fort- night	II Fort- night	I Fort- night	II Fort- night	I Fort- night	II Fort- night	I Fort- night	II Fort- night	
Dharmavarapupadu Tanda	PM 10	59.7	63.6	58.3	65.6	62.6	68.3	51.3	49.6	49.2	51.2	48.2	53.1	42.6	53.8	45.3	55.6	46.8	50.6	51.2	53.9	48.6	54.1	50.6	56.8	100
	PM 2.5	24.2	25.6	23.7	26.4	25.4	27.5	20.8	20.0	20.0	20.6	19.6	21.4	17.3	21.7	18.4	22.4	19.0	20.4	20.8	21.7	19.7	21.8	20.5	22.9	21.74
	SO ₂	16.1	15.3	16.8	16.2	15.3	17.8	10.6	9.6	12.3	10.6	10.6	11.4	12.1	13.5	13.5	14.1	15.2	12.6	16.2	13.2	15.2	12.6	16.2	10.9	13.59
	NO _x	18.7	18.0	19.4	18.9	17.9	20.5	13.2	12.3	14.9	13.3	13.2	14.1	14.7	16.2	16.1	16.8	17.8	15.3	18.8	15.9	17.8	15.3	18.8	13.6	16.31
	CO	292.0	221.0	299.0	232.0	312.0	241.0	296.0	241.0	301.0	162.0	296.0	150.0	312.0	168.0	339.0	171.0	349.0	182.0	312	198.0	297.0	224.0	217.0	236.0	252.00
Jayanthipuram	PM 10	63.9	62.9	65.2	63.6	68.3	70.2	49.6	50.3	50.6	53.6	51.2	52.4	50.3	50.6	51.2	53.1	50.6	46.3	53.9	48.6	50.4	47.3	51.2	48.2	54.31
	PM 2.5	25.6	25.7	26.1	25.9	27.4	28.6	19.9	20.5	20.3	21.9	20.5	21.4	20.2	20.6	20.5	21.7	20.3	18.9	21.6	19.8	20.2	19.3	20.5	19.7	21.96
	SO ₂	16.9	16.2	17.3	16.3	18.3	18.3	12.3	12.3	13.1	12.3	12.9	13.5	13.8	12.9	15.2	15.3	16.9	13.8	15.9	14.1	14.7	13.5	15.3	12.6	14.74
	NO _x	19.8	19.1	20.2	19.2	21.2	21.2	15.2	15.2	16.0	15.2	15.8	16.4	16.7	15.8	18.1	18.2	19.8	16.7	18.8	17.0	17.6	16.4	18.2	15.5	17.64
	CO	281.0	241.0	296.0	248.0	286.0	252.0	13.8	232.0	326.0	154.0	324.0	149.0	336.0	212.0	346.0	226.0	356.0	159.0	368	167.0	322	186.0	318.0	212.0	251.28
Chilikallu	PM 10	62.6	58.6	65.1	60.3	67.9	66.1	42.3	48.4	49.8	49.6	48.3	48.3	49.8	48.3	53.1	49.6	49.3	49.1	51.4	51.4	53.3	52.5	51.9	53.9	53.37
	PM 2.5	25.3	23.7	26.3	24.4	27.4	26.8	17.1	19.6	20.1	20.1	19.5	19.6	20.1	19.6	21.5	20.1	19.9	19.9	20.8	20.8	21.5	21.3	21.0	21.8	21.59
	SO ₂	14.3	20.2	15.2	21.2	19.6	17.2	11.1	11.6	12.6	11.6	11.6	11.9	12.6	13.1	14.9	14.6	14.3	15.1	13.2	16.2	12.9	15.1	15.5	10.1	14.40
	NO _x	17.0	23.3	17.9	24.3	22.3	20.3	13.8	14.7	15.3	14.7	14.3	15.0	15.3	16.2	17.6	17.7	17.0	18.2	15.9	19.3	15.6	18.2	18.2	13.2	17.30
	CO	274.0	216.0	281.0	226.0	274.0	239.0	291	239.0	310	263.0	318.0	242.0	301.0	216.0	351.0	231.0	301.0	312.0	328	282.0	284	277.0	291.0	268	275.63
K.Agraharam Village	PM 10	62.8	55.2	63.9	58.9	65.1	59.3	50.4	52.6	50.3	52.8	52.4	50.4	55.1	45.6	49.2	53.2	51.2	53.5	52.6	52.8	55.1	49.3	52.8	51.6	54.00
	PM 2.5	25.3	22.5	25.8	24.0	26.2	24.2	20.3	21.5	20.3	21.5	21.1	20.6	22.2	18.6	19.8	21.7	20.6	21.8	21.2	21.5	22.2	20.1	21.3	21.1	21.89
	SO ₂	15.4	21.4	16.3	22.3	18.4	19.1	10.9	13.1	12.9	12.9	10.8	12.4	13.9	12.8	16.2	16.2	16.9	14.2	12.6	15.3	13.6	14.5	14.6	12.6	14.33
	NO _x	18.5	23.8	19.4	24.7	21.5	21.5	14	15.0	16	15.3	13.9	14.8	17.0	15.2	19.3	16.3	18.9	16.6	15.7	17.7	16.7	16.9	17.7	15.0	17.56
	CO	261.0	244.0	269.0	245	301.0	255.0	274	255.0	336	149.0	326.0	151.0	338.0	201.0	346.0	229.0	326.0	282.0	345	316.0	335	307.0	328.0	292.0	279.63
Jaggayyapet	PM 10	66.1	56.3	68.4	56.2	72.3	58.2	50.9	50.3	52.6	48.2	51.6	49.3	53.9	51.8	57.2	52.3	47.3	48.4	49.8	49.1	52.2	54.5	53.5	53.8	54.43
	PM 2.5	27.2	23.6	28.1	22.7	29.7	23.5	20.9	20.3	21.6	19.5	21.2	19.9	22.2	20.9	23.5	21.1	19.4	19.6	20.5	19.8	21.5	22.0	22.0	21.7	22.18
	SO ₂	16.2	19.2	15.9	21.4	17.1	22.3	10.7	10.2	13.2	10.6	12.6	11.6	12.8	13.2	15.1	15.1	16.2	13.9	10.1	14.1	12.2	15.2	15.1	10.2	14.34
	NO _x	18.6	22.2	18.3	24.4	19.5	25.3	13.1	13.2	15.6	13.6	15.0	14.6	15.2	16.2	17.5	18.1	18.6	16.9	12.5	17.1	14.6	18.2	17.5	12.8	17.03
	CO	268.0	212.0	288.0	232.0	293.0	248.0	256.0	248.0	324	254.0	313.0	248.0	309.0	192.0	328.0	212.0	298.0	213.0	311.0	248.0	273.0	523.0	292.0	249.0	276.33
Budawada	PM 10	65.2	61.4	66.3	63.1	62.9	62.1	47.3	49.8	43.8	50.6	45.9	48.4	46.8	49.2	48.6	51.2	45.6	50.2	46.3	52.8	45.1	53.9	48.6	52.9	52.42
	PM 2.5	25.8	25.2	26.2	25.9	24.8	25.5	18.7	20.5	17.3	20.8	18.1	19.9	18.5	20.2	19.2	21.0	18.0	20.6	18.3	21.7	17.8	22.2	19.2	21.7	21.13
	SO ₂	16.6	16.3	17.2	17.3	17.9	18.4	10.1	9.8	12.6	12.8	10.3	12.3	12.9	14.0	15.3	15.6	14.3	15.2	12.8	16.8	12.9	17.1	14.8	10.2	14.31
	NO _x	19.4	18.9	20.0	19.9	20.7	21.0	12.9	12.4	15.4	15.4	13.1	14.9	15.7	16.6	18.1	18.2	17.1	17.8	15.6	19.4	15.7	19.7	17.6	12.8	17.01
	CO	284.0	239.0	291.0	249	312.0	255.0	63.0	255.0	309	216.0	302.0	218.0	296	213.0	355.0	236.0	291.0	301.0	288.0	263.0	283	255.0	254	249	261.58
Vedadri	PM 10	63.9	67.2	64.6	69.2	69.1	68.3	45.6	51.6	46.9	51.3	44.3	50.6	42.1	52.9	49.2	54.6	49.3	53.5	50.8	55.1	56.3	50.6	58.2	51.6	54.87
	PM 2.5	26.1	26.7	26.4	27.5	28.2	27.2	18.6	20.5	19.1	20.4	18.1	20.1	17.2	21.1	20.1	21.7	20.1	21.3	20.7	21.9	23	20.1	23.7	20.5	22.10
	SO ₂	16.1	18.4	16.9	19.2	15.4	21.4	10.2	12.4	11.9	12.1	11.4	11.9	13.6	12.1	17.2	13.8	16.9	14.9	15.3	15.9	15.8	14.9	16.2	11.6	14.81
	NO _x	18.4	21.2	19.2	22	17.7	24.2	12.0	15.2	14	14.9	13.7	14.7	15.9	14.9	19.5	1.6	19.2	17.7	17.6	18.7	18.1	17.7	18.5	14.4	16.71
	CO	277.0	259.0	283.0	262	287.0	274.0	242.0	274.0	256	281.0	289.0	274.0	301.0	308.0	337.0	314.0	245.0	274.0	282.0	229.0	211.0	241	237.0	238.0	266.46
Pochampalli	PM 10	61.6	59.1	67.2	61.2	63.2	59.6	43.8	47.3	45.2	49.2	42.9	47.3	42.2	46.3	51.6	48.3	48.4	54.2	49.7	56.2	52.9	54.3	56.4	50.8	52.45
	PM 2.5	25.2	24.0	27.5	24.8	25.8	24.2	17.9	19.2	18.5	20.0	17.5	19.2	17.7	18.8	21.1	19.6	19.8	22.0	20.3	22.8	21.6	22.0	23.1	20.6	21.38
	SO ₂	16.2	17.1	17.3	18.9	16.2	17.3	12.3	10.6	13.6	12.4	12.9	12.6	12.1	13.5	16.1	13.9	14.6	16.2	12.9	16.5	13.3	1.9	14.9	15.3	14.11
	NO _x	19.1	19.4	20.2	21.2	19.1	19.6	15.2	12.9	16.5	14.7	15.8	14.9	15.0	15.8	19.0	16.2	17.5	18.5	15.8	18.8	16.2	18.2	17.8	17.6	17.29
	CO	273.0	256.0	292.0	259	263.0	263.0	258.0	263.0	263	288.0	274.0	279.0	288.0	288.0	296.0	341.0	288.0	263.0	229.0	211.0	241	237.0	238.0	226	266.25
Ravirala	PM 10	62.8	58.4	66.9	62.3	70.6	65.2	42.9	45.2	43.6	47.8	41.7	45.6	43.8	48.4	5.8	53.6	50.6	55.9	52.3	56.3	53.7	53.2	55.1	52.6	51.43
	PM 2.5	25.6	23.8	27.2	25.4	28.7	26.6	17.5	18.4	17.7	19.5	17.0	18.6	17.8	19.7.											

THE RAMCO CEMENTS LTD., KSR NAGAR
CORE ZONE AIR QUALITY MONITORING DATA - JAYANTHIPURAM LIMESTONE MINE (NORTH BAND)
(PERIOD - APRIL 2024 TO MARCH 2025)

Location	Parameter	April-24		May-24		June-24		July-24		Aug-24		Sep-24		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Average	Limits
		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	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		
Mines office	PM 10	63.9	62.3	65.1	65.3	68.4	68.2	58.1	51.3	53.5	53.6	50.2	55.1	53.6	58.2	55.1	60.6	61.6	63.5	63.8	60.4	65.2	57.7	63.8	59.3	59.91	100
	PM 2.5	25.8	25.3	26.3	26.5	27.6	27.7	23.5	20.8	21.6	21.8	20.3	22.4	21.7	23.6	22.3	24.6	24.9	25.8	258.0	24.5	26.3	23.4	25.8	24.1	33.94	60
	SO ₂	17.6	15.6	19.2	16.3	20.3	18.6	13.5	12.9	12.4	13.2	14.6	11.6	13.7	13.2	15.3	15.3	12.6	13.8	13.8	15.1	14.2	14.9	16.8	15.1	14.98	80
	NO _x	20.2	18.1	21.8	18.8	22.9	21.1	16.1	15.4	15.0	15.7	17.2	14.1	16.3	15.7	17.9	17.8	15.2	16.3	16.4	17.6	16.8	17.4	19.4	17.6	17.53	80
	CO	538	639	562	642	583	651	426	501	441	521	402	498	417	512	428	539	436	582	452	571	466	523	482	501	513.04	2000
Workshop	PM 10	59.2	55.6	58.2	58.4	63.2	59.3	56.9	50.2	54.2	54.2	56.1	56.2	49.2	63.2	53.8	65.1	54.3	60.9	56.9	62.3	62.9	63.4	60.6	65.1	58.31	100
	PM 2.5	24.0	22.8	23.6	23.9	25.7	24.3	23.1	20.6	22.0	22.2	22.8	23.0	20.0	25.9	21.8	26.7	22.0	25.0	23.1	25.5	25.5	26.0	24.6	26.7	23.78	60
	SO ₂	19.1	18.4	18.3	19.2	19.4	19.1	10.2	14.6	11.3	15.3	12.9	13.9	15.1	12.9	14.6	16.9	14.5	15.2	15.3	14.9	15.7	15.2	16.3	16.3	15.61	80
	NO _x	22.0	21.2	21.2	22.0	22.3	21.9	13.1	17.4	14.2	18.1	15.8	16.7	18.0	15.7	17.5	19.7	17.4	18.0	18.2	17.7	18.6	18.0	19.2	19.1	18.46	80
	CO	564	558	581	596	596	612	481	496	472	501	489	474	503	538	529	555	474	569	481	582	493	596	521	582	535.13	2000
Substation	PM 10	58.3	56.2	61.4	59.2	63.9	59.1	54.0	53.2	53.9	51.2	49.6	53.8	51.8	56.1	56.1	59.2	58.9	59.0	61.2	58.0	59.4	60.4	61.6	62.6	57.42	100
	PM 2.5	23.8	22.9	25.1	24.1	26.1	24.1	22.2	21.7	22.0	20.8	20.3	21.9	21.2	22.8	22.9	24.1	24.1	24.3	25.0	23.7	24.3	24.6	25.2	25.5	23.45	60
	SO ₂	16.2	18.3	19.2	17.3	19.1	18.4	12.9	13.2	12.6	14.2	13.5	11.8	13.6	13.1	16.2	15.4	13.1	14.1	14.6	15.4	13.7	14.2	15.9	15.9	15.08	80
	NO _x	18.9	21.2	21.9	20.2	21.8	21.3	15.6	16.1	15.3	17.1	16.2	14.7	16.3	16.0	18.9	18.3	15.8	17.0	17.3	18.3	16.4	17.1	18.6	18.8	17.88	80
	CO	537	623	549	639	553	648	428	512	439	526	446	496	488	501	491	526	435	574	489	566	462	607	487	601	525.96	2000
Magazine Area	PM 10	65.1	65.1	68.3	66.8	69.2	67.3	52.7	52.9	51.2	53.9	53.8	52.6	48.4	58.4	50.2	62.3	63.5	61.6	60.6	63.5	61.8	61.9	59.3	63.8	59.76	100
	PM 2.5	26.6	26.3	27.9	27.0	28.3	27.2	21.6	21.4	20.9	21.8	22.0	21.3	19.8	23.6	20.5	25.2	26.0	24.9	24.8	25.7	25.3	25.0	24.3	25.8	24.30	60
	SO ₂	16.3	21.2	18.4	22.4	17.2	23.2	13.1	11.1	13.9	12.4	13.2	13.2	15.4	15.2	16.9	16.2	12.9	16.2	13.9	13.9	14.5	13.8	15.6	14.5	15.61	80
	NO _x	19.3	24.0	21.4	25.5	20.2	26.3	16.1	14.2	16.9	15.5	16.2	16.3	18.4	18.3	19.9	19.3	15.9	19.3	16.9	17.0	17.5	16.9	18.6	17.6	18.65	80
	CO	551	634	569	652	574	666	452	503	448	542	461	487	529	544	536	563	501	600	526	612	497	573	523	589	547.17	2000

Note: All values are mentioned in µg/m³

THE RAMCO CEMENTS LTD., KSR NAGAR
CORE ZONE AIR QUALITY MONITORING DATA - JAYANTHIPURAM LIMESTONE MINE (SOUTH BAND)
(PERIOD - APRIL 2024 TO MARCH 2025)

Location	Parameter	April-24		May-24		June-24		July-24		Aug-24		Sep-24		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Average	Limits
		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	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		
Mines office	PM 10	61.9	62.3	63.8	63.8	64.8	65.1	53.2	53.8	52.9	49.3	54.1	48.6	56.8	45.3	60.9	46.9	63.9	48.3	66.2	51.3	67.2	49.8	69.3	52.3	57.16	100
	PM 2.5	25.0	25.2	25.8	25.8	26.2	26.3	21.5	21.7	21.4	19.9	21.9	19.6	22.9	18.3	24.6	18.9	25.8	19.5	26.7	20.7	27.1	20.1	28.0	21.1	23.08	60
	SO ₂	15.2	16.6	16.4	17.3	17.3	19.2	13.2	15.1	13.5	13.9	14.6	12.6	13.2	15.6	15.2	16.2	13.8	17.3	15.3	15.3	18.4	15.6	17.2	14.3	15.63	80
	NO _x	17.5	19.3	18.7	20.0	19.6	21.9	15.5	17.8	15.8	16.6	16.9	15.3	15.5	18.3	17.5	18.9	16.1	20.0	17.6	21.1	17.9	19.9	16.6	20.9	18.13	80
	CO	551	589	589	612	636	639	484	426	512	438	498	426	526	502	558	521	568	548	602	559	611	542	516	519	540.50	2000
Pump House	PM 10	63.5	61.4	64.6	65.2	63.5	63.5	50.6	52.6	48.3	53.2	49.2	50.2	50.3	40.9	53.8	53.6	65.2	46.0	68.3	48.4	65.7	51.3	60.6	56.2	56.09	100
	PM 2.5	25.8	24.7	26.3	26.3	25.8	25.6	20.6	21.2	19.7	21.4	20.0	20.2	20.5	16.5	21.9	21.6	26.5	18.6	27.8	19.5	26.7	20.7	24.7	22.6	22.72	60
	SO ₂	16.3	19.3	18.9	21.4	19.2	23.5	15.1	13.9	16.2	14.2	15.9	13.9	15.1	16.9	16.3	17.3	14.2	19.2	16.2	21.4	15.9	18.7	16.9	17.3	17.22	80
	NO _x	19.0	22.4	21.6	24.5	21.9	26.6	17.8	17.0	18.9	17.3	18.6	17.0	17.8	20.0	19.0	20.4	16.9	22.3	18.9	24.5	18.6	21.8	19.6	20.4	20.12	80
	CO	613	563	623	589	638	596	423	439	534	412	512	438	501	498	539	538	572	596	583	612	592	584	501	526	542.58	2000
Haul Road	PM 10	65.1	63.9	67.3	65.3	64.8	69.2	52.9	50.1	50.6	51.2	52.3	47.3	51.9	50.6	52.6	59.1	60.6	45.9	62.1	50.2	64.1	53.6	62.8	50.3	56.83	100
	PM 2.5	26.7	26.1	27.6	26.6	26.6	28.2	21.7	20.4	20.7	20.9	21.4	19.3	21.3	20.6	21.6	24.1	24.8	18.7	25.5	20.5	26.3	21.9	25.7	20.5	23.24	60
	SO ₂	15.4	19.2	16.3	20.2	18.4	21.4	13.9	12.6	14.1	13.7	14.3	12.1	13.9	14.3	14.9	16.9	13.9	18.6	14.9	18.9	16.3	17.7	15.2	18.9	16.08	80
	NO _x	18.0	22.1	18.9	23.1	21.0	24.3	16.5	15.5	16.7	16.6	16.9	15.0	16.5	17.2	17.5	19.8	16.5	21.5	17.5	21.8	18.9	20.6	17.8	21.8	18.83	80
	CO	626	596	635	569	615	571	472	421	489	439	474	429	492	512	541	526	561	561	542	588	587	562	542	558	537.83	2000
Loading Area	PM 10	63.2	56.2	65.1	58.9	67.3	56.2	48.6	53.4	45.3	52.9	48.4	50.8	48.2	63.8	53.5	48.9	63.8	47.3	65.6	49.7	66.3	51.1	65.2	54.2	56.00	100
	PM 2.5	25.7	22.8	26.5	23.9	27.4	22.8	19.8	21.7	18.4	21.2	19.7	20.6	19.6	21.8	21.8	19.9	26.0	19.2	26.7	20.2	27.0	20.7	26.5	22.0	22.58	60
	SO ₂	18.2	21.4	20.4	23.5	21.2	24.2	12.4	13.8	13.1	14.2	15.1	14.8	16.7	16.6	17.2	18.2	15.1	20.4	14.4	21.6	15.5	19.3	14.6	16.5	17.43	80
	NO _x	21.1	24.2	23.3	26.3	24.1	27.0	15.3	16.6	16.0	17.0	18.0	17.6	19.6	19.4	20.1	21.0	18.0	23.2	17.3	24.4	18.4	22.1	17.5	19.3	20.28	80
	CO	651	628	659	642	672	638	426	401	496	436	482	442	538	424	547	496	584	608	606	626	603	597	529	547	553.25	2000

Note: All values are mentioned in µg/m³

THE RAMCO CEMENTS LTD., KSR NAGAR
CORE ZONE AIR QUALITY MONITORING DATA - RAVIRALA LIMESTONE MINE (RESERVE FOREST)
(PERIOD - APRIL 2024 TO MARCH 2025)

Location	Parameter	April-24		May-24		June-24		July-24		Aug-24		Sep-24		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Average	Limits
		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	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		
Mines Office	PM 10	63.9	62.4	65.3	67.3	69.6	69.2	48.2	52.7	52.7	49.3	48.3	49.6	50.2	48.3	53.8	51.3	53.6	55.3	57.2	56.1	55.1	58.2	58.6	61.6	56.6	100.0
	PM 2.5	25.8	253.0	26.4	27.1	28.2	27.9	19.5	21.2	21.3	19.9	19.6	20.0	20.3	19.5	21.8	20.7	21.7	22.3	23.2	22.6	22.6	23.5	23.7	24.8	32.4	60.0
	SO ₂	16.2	16.3	15.9	18.4	16.2	19.3	13.8	14.3	12.3	15.6	13.4	16.3	12.9	15.2	15.3	16.8	14.6	18.6	15.9	19.8	14.6	18.7	15.6	19.2	16.1	80.0
	NO _x	18.8	19.0	18.6	21.0	18.9	21.9	16.5	16.9	15.0	18.2	16.1	18.9	15.6	17.8	18.0	19.4	17.3	21.2	18.6	22.4	17.3	21.3	18.3	21.8	18.7	80.0
	CO	549	556	582	562	591	584	472	484	438	491	441	472	426	481	501	512	539	589	548	600	537	586	492	571	525.2	2000.0
ML3 Tower Light Area	PM 10	62.6	63.3	66.8	72.1	67.3	73.5	50.3	50.6	59.9	52.4	50.1	50.3	46.3	52.4	48.9	56.2	50.9	59.6	53.8	60.2	59.4	62.6	60.6	65.3	57.9	100.0
	PM 2.5	25.6	25.4	26.8	29.5	27.0	30.1	20.2	20.7	21.6	21.4	20.1	20.6	18.6	21.4	19.6	23.0	20.4	24.4	21.6	24.6	23.8	25.6	24.3	26.7	23.5	60.0
	SO ₂	15.5	14.2	16.8	16.3	17.3	18.2	12.6	15.2	15.6	14.3	13.9	12.9	13.6	13.9	16.9	15.1	13.9	17.3	14.6	16.6	14.8	17.1	16.3	16.8	15.4	80.0
	NO _x	18.0	17.8	20.4	18.8	20.9	20.7	16.2	17.7	19.2	16.8	17.5	15.4	17.2	16.4	20.5	17.6	17.5	19.8	18.2	19.1	18.4	19.6	19.9	19.3	18.5	80.0
	CO	549	583	623	555	636	541	483	421	412	434	426	414	401	426	526	536	542	626	563	639	552	642	516	629	528.1	2000.0
ML4 Tower Light Area	PM 10	63.8	58.2	62.4	70.3	58.4	74.6	49.6	53.8	50.6	43.6	49.8	45.1	48.4	48.4	51.2	59.2	62.6	60.3	60.6	62.9	61.3	64.2	63.8	60.2	57.6	100.0
	PM 2.5	26.2	23.3	25.0	28.9	23.4	30.7	19.9	22.1	20.3	17.9	20.0	18.5	19.4	19.9	20.5	24.3	25.1	24.8	24.3	25.9	24.6	26.4	25.6	24.7	23.4	60.0
	SO ₂	16.3	16.3	17.2	18.3	16.2	19.1	13.9	14.9	12.9	15.9	14.2	14.2	12.1	15.1	15.1	16.4	17.1	15.3	15.1	17.9	14.7	18.3	15.9	17.9	15.8	80.0
	NO _x	19.5	19.2	20.1	21.5	19.1	22.3	16.8	18.1	15.8	19.1	17.1	17.4	15.0	18.3	18.0	19.6	20.0	18.5	18.0	21.1	17.6	21.5	18.8	21.1	18.9	80.0
	CO	512	552	571	563	582	622	463	402	439	432	448	421	412	438	542	514	612	535	592	545	587	581	487	563	517.3	2000.0
View Point Tower Light Area	PM 10	61.6	56.2	58.3	68.9	59.3	65.3	53.1	52.1	53.8	47.2	52.6	46.2	52.9	50.9	54.6	49.1	49.7	57.6	48.4	58.3	45.6	59.5	49.6	63.8	54.8	100.0
	PM 2.5	25.0	22.5	23.3	28.0	23.7	26.5	21.2	21.2	21.5	19.2	21.0	18.8	21.2	20.7	21.8	19.9	19.9	23.4	19.4	23.7	18.2	24.2	19.8	25.9	22.1	60.0
	SO ₂	17.1	13.9	15.3	19.2	18.3	17.2	13.3	12.1	13.8	15.6	13.1	14.8	14.8	14.8	18.2	15.3	16.8	17.1	15.2	15.3	14.5	15.7	15.1	18.2	15.6	80.0
	NO _x	20.4	16.7	18.1	22.5	21.1	20.5	16.1	15.4	16.6	18.9	15.9	18.1	17.6	18.1	21.0	18.6	19.6	20.4	18.0	18.6	17.3	19.0	17.9	21.5	18.7	80.0
	CO	548	547	588	601	593	599	429	399	426	426	418	402	432	429	509	548	589	584	607	597	591	577	563	548	522.9	2000.0

Note: All values are mentioned in µg/m³

THE RAMCO CEMENTS LTD., KSR NAGAR
CORE ZONE AIR QUALITY MONITORING DATA - RAMCO BUDAWADA LIMESTONE MINE (RESERVE FOREST)
(PERIOD - APRIL 2024 TO MARCH 2025)

Location	Parameter	April-24												May-24			June-24			July-24			Aug-24			Sep-24			Oct-24			Nov-24			Dec-24			Jan-25			Feb-25			Mar-25			Average	Limits																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24			April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		April-24		

Note: All values are mentioned in µg/m³



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/PCB/14/2025-2026

08th May 2025

The Environmental Engineer,
A .P. Pollution Control Board,
Regional Office, Plot No: 41,
Gurunanak Road,
Sri Kanakadurga Officers Colony,
Vijayawada – 521 018.

Dear Sir,

Sub: Submission of Annual Returns of Hazardous Wastes – Form – 4 for our 4 Nos. Of Limestone Mines for the financial year 2024-2025 - Reg.

Ref: 1. CFO Order No. APPCB/VJA/VJA/488/HO/CFO/2021 dated 07.11.2022.
2. CFO Order No. APPCB-11022/134/2021-TEC-CFO-APPCB dated 10.11.2023 issued for our Ravirala Limestone Mine (RF) expansion project from 1.20 to 2.75 MTPA limestone.
3. CTO amendment Order No. APPCB-11022/134/2021-TEC-CFO-APPCB dated 24.01.2024 issued for our Ramco Budawada Limestone Mine (RF) railway wagon proposal.
4. CTO order No. 1551841/APPCB/VJA/VJA/CTO/HO/2024 dated 05.06.2024 issued for our Ramco Budawada Limestone Mine (RF) expansion project from 1.10 to 2.50 MTPA limestone.

Please find enclosed herewith duly filled in Form – 4 - 'Form for Filling Annual Returns' of Hazardous Wastes for our following Limestone Mines for the financial year 2024-2025:

- a. Jayanthipuram Limestone Mine (North Band)
- b. Jayanthipuram Limestone Mine (South Band)
- c. Ravirala Limestone Mine (RF)
- d. Ramco Budawada Limestone Mine (RF)

This is for your kind information please.

Thanking you,

Yours faithfully,
for The Ramco Cements Limited,

(ASHISH KUMAR SRIVASTAVA)
President (Mfg.)

Encl.: As above.

FORM 4
[See rules 6 (5), 13(8), 16(6) and 20 (2)]
FORM FOR FILLING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th June of every year for the preceding period April to March]

1	Name and address of facility:	The Ramco Cements Limited, Kumarasamy Raja Nagar - 521 457, Jaggayyapet (M), NTR Dist.																	
2	Authorization No. and Date of issue:	Authorization Nos.: • CFO order for mines No. APPCB/VJA/ VJA/488/HO/CFO/2021 dated 07.11.2022. • CFO Order No. APPCB/VJA/VJA/488/HO/ CFO/2021 dated 27.07.2022 issued for Ravirala Limestone Mine (RF) expansion project from 1.20 to 2.75 MTPA limestone. • CTO amendment Order No. APPCB-11022/134/2021-TEC-CFO-APPCB dated 24.01.2024 issued for Ramco Budawada Limestone Mine (RF) railway wagon proposal. • CTO order No. 1551841/APPCB/VJA/VJA/CTO/HO/2024 dated 05.06.2024 issued for our Ramco Budawada Limestone Mine (RF) expansion project from 1.10 to 2.50 MTPA limestone. <table border="1" style="width: 100%;"> <thead> <tr> <th>Name of the Mine</th><th>Unit</th><th>Production capacity</th></tr> </thead> <tbody> <tr> <td>Jayanthipuram Limestone Mine (North Band)</td><td>Tonne</td><td>18,00,000</td></tr> <tr> <td>Jayanthipuram Limestone Mine (South Band)</td><td>Tonne</td><td>17,50,000</td></tr> <tr> <td>Ravirala Limestone Mine (RF)</td><td>Tonne</td><td>27,50,000</td></tr> <tr> <td>Ramco Budawada Limestone Mine (RF)</td><td>Tonne</td><td>25,00,000</td></tr> </tbody> </table>			Name of the Mine	Unit	Production capacity	Jayanthipuram Limestone Mine (North Band)	Tonne	18,00,000	Jayanthipuram Limestone Mine (South Band)	Tonne	17,50,000	Ravirala Limestone Mine (RF)	Tonne	27,50,000	Ramco Budawada Limestone Mine (RF)	Tonne	25,00,000
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Ramco Budawada Limestone Mine (RF)	Tonne	25,00,000																	
3	Name of the authorized person and full address with telephone, fax number and e-mail:	Ashish Kumar Srivastava President (Mfg.) The Ramco Cements Limited, Kumarasamy Raja Nagar - 521 457, Jaggayyapet (M), NTR Dist. Telephone: 08654 – 224400 to 04, Fax: 08654 – 222352, e-mail: mcljpm@ramcocements.co.in																	
4	Production during the year (product wise), whether applicable:	<table border="1" style="width: 100%;"> <thead> <tr> <th>Name of the Mine</th><th>Unit</th><th>Production in 2024-2025</th></tr> </thead> <tbody> <tr> <td>Jayanthipuram Limestone Mine (North Band)</td><td>Tonne</td><td>12,96,749</td></tr> <tr> <td>Jayanthipuram Limestone Mine (South Band)</td><td>Tonne</td><td>3,646</td></tr> <tr> <td>Ravirala Limestone Mine (RF)</td><td>Tonne</td><td>20,29,000</td></tr> <tr> <td>Ramco Budawada Limestone Mine (RF)</td><td>Tonne</td><td>21,11,982</td></tr> </tbody> </table>			Name of the Mine	Unit	Production in 2024-2025	Jayanthipuram Limestone Mine (North Band)	Tonne	12,96,749	Jayanthipuram Limestone Mine (South Band)	Tonne	3,646	Ravirala Limestone Mine (RF)	Tonne	20,29,000	Ramco Budawada Limestone Mine (RF)	Tonne	21,11,982
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Part A. To be filled by hazardous waste generators

1	Total quantity of waste generated category wise:	From cement plant, thermal power plant, waste heat recovery plant and limestone mines: <table border="1"> <thead> <tr> <th>Type of hazardous waste</th> <th>Quantity (in Tonne / kL / Nos.)</th> </tr> </thead> <tbody> <tr> <td>Waste Oil</td> <td>0.5 kL</td> </tr> <tr> <td>Waste Grease</td> <td>Nil</td> </tr> <tr> <td>Waste Hi-chrome Grinding Media</td> <td>Nil</td> </tr> <tr> <td>Waste Lead Acid Batteries</td> <td>2.64 Tonne</td> </tr> </tbody> </table>	Type of hazardous waste	Quantity (in Tonne / kL / Nos.)	Waste Oil	0.5 kL	Waste Grease	Nil	Waste Hi-chrome Grinding Media	Nil	Waste Lead Acid Batteries	2.64 Tonne																
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2	Quantity dispatched:																											
(i)	To disposal facility:	Not applicable																										
(ii)	To recycler to co-processors or pre-processor:	From cement plant, thermal power plant, waste heat recovery plant and limestone mines: <table border="1"> <thead> <tr> <th>Type of hazardous waste</th> <th>Recycler</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Waste Oil</td> <td>NA</td> <td></td> <td>Nil</td> </tr> <tr> <td>Waste Grease</td> <td>NA</td> <td></td> <td>Nil</td> </tr> <tr> <td>Waste Hi-chrome Grinding Media</td> <td>NA</td> <td></td> <td>Nil</td> </tr> <tr> <td rowspan="3">Waste Lead Acid Batteries</td> <td>M/s Exide</td> <td>Tonne</td> <td>0.42</td> </tr> <tr> <td>M/s Novateur Electrical & Digital Systems Private</td> <td>Tonne</td> <td>0.93</td> </tr> <tr> <td>M/s Star Battery</td> <td>Tonne</td> <td>1.29</td> </tr> </tbody> </table>	Type of hazardous waste	Recycler	Unit	Quantity	Waste Oil	NA		Nil	Waste Grease	NA		Nil	Waste Hi-chrome Grinding Media	NA		Nil	Waste Lead Acid Batteries	M/s Exide	Tonne	0.42	M/s Novateur Electrical & Digital Systems Private	Tonne	0.93	M/s Star Battery	Tonne	1.29
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	M/s Star Battery	Tonne	1.29																									
(iii)	Others:	Not applicable																										
3	Quantity utilized in-house, if any:	The waste oil & waste grease generated in the cement plant, thermal power plant, waste heat recovery plant and limestone mines are totally re-used within the premises as: - Waste grease for lubrication of reclaimer chains along with fresh grease. - Waste oil of 0.5 kL used for kiln light-up along with fresh HSD.																										
4	Quantity in storage at the end of the year:	From cement plant, thermal power plant, waste heat recovery plant and limestone mines: <table border="1"> <thead> <tr> <th>Type of hazardous waste</th> <th>Quantity (in Tonne / kL / Nos.)</th> </tr> </thead> <tbody> <tr> <td>Waste oil</td> <td>Nil</td> </tr> <tr> <td>Waste Grease</td> <td>Nil</td> </tr> <tr> <td>Waste Hi-chrome Grinding Media</td> <td>Nil</td> </tr> <tr> <td>Waste Lead Acid Batteries</td> <td>Nil</td> </tr> </tbody> </table>	Type of hazardous waste	Quantity (in Tonne / kL / Nos.)	Waste oil	Nil	Waste Grease	Nil	Waste Hi-chrome Grinding Media	Nil	Waste Lead Acid Batteries	Nil																
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Waste oil	Nil																											
Waste Grease	Nil																											
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Waste Lead Acid Batteries	Nil																											

Part B. To be filled by Treatment, storage and disposal facility operators

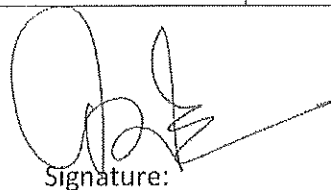
1	Total quantity of received:	Not applicable
2	Quantity in stock at the beginning of the year:	
3	Quantity treated:	
4	Quantity disposed in landfills as such and after treatment:	
5	Quantity incinerated (if applicable):	
6	Quantity processed other than specified above:	
7	Quantity in storage at the end of the year:	

Part C. To be filled by recyclers or co-processors or other users

1	Quantity of waste received during the year:	Not applicable
(i)	Domestic sources:	
(ii)	Imported (if applicable):	
2	Quantity in stock at the beginning of the year:	
3	Quantity recycled or co-processed or used:	
4	Quantity of products dispatched (wherever applicable):	
5	Quantity of waste generated:	
6	Quantity of waste disposed:	
7	Quantity re-exported (whether applicable):	
8	Quantity in storage at the end of the year:	

Date: 08.05.2025

Place: KSR Nagar



Signature:

Designation: President (Mfg.)

THE RAMCO CEMENTS LIMITED
JAYANTHIPUAM GROUP OF LIMESTONE MINES
ENVIRONMENTAL PROTECTION ACCOUNT - RECURRING EXPENDITURE DETAILS - FINANCIAL YEAR 2024-25

Capital / Recurring	Description	For the year 2024-2025, Lakh Rs.					Projected for 2025-2026, Lakh Rs.				
		Jayanthipuram Limestone Mine (North Band)	Jayanthipuram Limestone Mine (South Band)	Ravirala Limestone Mine (RF)	Ramco Budawada Limestone Mine (RF)	Total	Jayanthipuram Limestone Mine (North Band)	Jayanthipu ram Limestone Mine (South Band)	Ravirala Limestone Mine (Forest)	Ramco Budawada Limestone Mine (RF)	Total
Capital	Installation of Continuous Ambient Air Quality Monitoring Station				52.33	52.33					
	Pollution Control - Nonel detonators	23.51	0.09	8.40	10.02	42.022	25.00	0.10	8.50	10.00	43.60
Recurring	Pollution Control - Water Sprinkling	12.81	6.74	19.76	15.64	54.95	32.00	0.40	40.00	36.00	108.40
	Pollution Monitoring	1.89	1.69	1.69	1.45	6.720	1.95	1.95	1.95	1.95	7.800
	Wet drilling	0.30	0.00	0.13	0.16	0.59	0.40	0.00	0.25	0.20	0.85
	Greenbelt	10.27	8.70	9.19	27.23	55.390	11.00	8.50	9.00	25.75	54.250
	Reclamation	644.28	0.00	0.00	0.00	644.280	500.00	0.00	0.00	0.00	500.000
	Total	693.06	17.23	39.17	54.50	803.96	570.35	10.95	59.70	73.90	714.900

THE RAMCO CEMENTS LIMITED
WATER LEVEL DATA - JAYANTHIPURAM LIMESTONE MINE (NORTH BAND)
PERIOD - APRIL 2024 TO MARCH 2025

I. PIEZOMETER DETAILS:

Location: Bore Well Footwall Side
RL - (+)40.013m
Latitude - N16° 52' 28.4" Longitude - E80° 06' 42.1"
Depth of well - 20.1 m

Location: Open Well Near X Road
RL - (+)40.01m
Latitude - N16 51 29.4 Longitude - E80 07 19.3
Depth of well - 20.0 m

Location: Near Magazine
RL - (+)42m
Latitude - N16 51 40.10 Longitude - E80 07 20.00
Depth of well - 50.0 m

Location: Pit-2 Area
RL - (+)48m
Latitude - N 16 52 39.0 Longitude - E 80 06 15.5
Depth of well - 50.0 m

II. WATER LEVEL DATA

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	10.75
2	30.04.2024	10.89
3	16.05.2024	10.45
4	31.05.2024	9.83
5	16.06.2024	8.02
6	30.06.2024	7.28
7	16.07.2024	5.30
8	31.07.2024	5.16
9	16.08.2024	5.07
10	31.08.2024	4.92
11	16.09.2024	4.67
12	29.09.2024	4.29
13	16.10.2024	3.56
14	31.10.2024	3.84
15	16.11.2024	4.21
16	30.11.2024	4.26
17	16.12.2024	4.38
18	31.12.2024	4.46
19	16.01.2025	4.60
20	31.01.2025	4.58
21	16.02.2025	5.00
22	29.02.2025	5.20
23	16.03.2025	5.50
24	31.03.2025	5.76

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	4.02
2	30.04.2024	4.25
3	16.05.2024	4.12
4	31.05.2024	3.98
5	16.06.2024	3.88
6	30.06.2024	3.76
7	16.07.2024	3.58
8	31.07.2024	3.02
9	16.08.2024	2.89
10	31.08.2024	2.11
11	16.09.2024	2.52
12	29.09.2024	2.78
13	16.10.2024	2.68
14	31.10.2024	2.73
15	16.11.2024	2.78
16	30.11.2024	2.60
17	16.12.2024	2.68
18	31.12.2024	2.79
19	16.01.2025	2.83
20	31.01.2025	2.82
21	16.02.2025	2.85
22	29.02.2025	2.89
23	16.03.2025	3.25
24	31.03.2025	3.70

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	10.08
2	30.04.2024	10.11
3	16.05.2024	10.56
4	31.05.2024	10.72
5	16.06.2024	10.74
6	30.06.2024	10.75
7	16.07.2024	10.72
8	31.07.2024	10.45
9	16.08.2024	9.94
10	31.08.2024	5.28
11	16.09.2024	5.59
12	29.09.2024	5.72
13	16.10.2024	5.98
14	31.10.2024	6.11
15	16.11.2024	7.08
16	30.11.2024	7.24
17	16.12.2024	7.40
18	31.12.2024	7.85
19	16.01.2025	8.36
20	31.01.2025	7.42
21	16.02.2025	7.50
22	29.02.2025	7.60
23	16.03.2025	7.65
24	31.03.2025	7.75

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	7.98
2	30.04.2024	8.25
3	16.05.2024	8.46
4	31.05.2024	8.73
5	16.06.2024	8.92
6	30.06.2024	8.99
7	16.07.2024	9.03
8	31.07.2024	8.65
9	16.08.2024	7.58
10	31.08.2024	6.64
11	16.09.2024	6.72
12	29.09.2024	6.79
13	16.10.2024	6.85
14	31.10.2024	6.90
15	16.11.2024	7.69
16	30.11.2024	7.92
17	16.12.2024	8.21
18	31.12.2024	8.54
19	16.01.2025	8.67
20	31.01.2025	8.10
21	16.02.2025	8.05
22	29.02.2025	8.07
23	16.03.2025	8.10
24	31.03.2025	8.16

THE RAMCO CEMENTS LIMITED
WATER LEVEL DATA - JAYANTHIPURAM LIMESTONE MINE (SOUTH BAND)
PERIOD - APRIL 2024 TO MARCH 2025

I. PIEZOMETER DETAILS:

Location: West Side Bore Well, Near Substation

RL - (+)36.00m

Latitude - N16° 51' 32.4" Longitude - E80° 06' 36.0"

Depth of well - 35.05 m

Location: North Side of ML

RL - (+)37.00m

Latitude - N 16° 51' 29.0" Longitude - E 80° 06' 44.3"

Depth of well - 50.00 m

Location: South Side of ML

RL - (+)43.20m

Latitude - N 16° 51' 02.8" Longitude - E 80° 06' 22.3"

Depth of well - 27.44 m

II. WATER LEVEL DATA

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	13.02
2	30.04.2024	12.56
3	16.05.2024	12.08
4	31.05.2024	11.58
5	16.06.2024	10.92
6	30.06.2024	10.73
7	16.07.2024	10.46
8	31.07.2024	9.78
9	16.08.2024	7.92
10	31.08.2024	6.23
11	16.09.2024	6.40
12	29.09.2024	6.42
13	16.10.2024	7.56
14	31.10.2024	8.03
15	16.11.2024	8.14
16	30.11.2024	8.09
17	16.12.2024	8.28
18	31.12.2024	8.34
19	16.01.2025	8.6
20	31.01.2025	8.5
21	16.02.2025	8.47
22	29.02.2025	8.45
23	16.03.2025	8.43
24	31.03.2025	8.4

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	12.90
2	30.04.2024	13.01
3	16.05.2024	12.87
4	31.05.2024	12.99
5	16.06.2024	12.76
6	30.06.2024	11.98
7	16.07.2024	11.57
8	31.07.2024	10.02
9	16.08.2024	9.15
10	31.08.2024	6.18
11	16.09.2024	6.30
12	29.09.2024	6.34
13	16.10.2024	7.61
14	31.10.2024	8.42
15	16.11.2024	8.80
16	30.11.2024	8.72
17	16.12.2024	8.95
18	31.12.2024	9.23
19	16.01.2025	9.61
20	31.01.2025	9.40
21	16.02.2025	9.30
22	29.02.2025	9.15
23	16.03.2025	9.00
24	31.03.2025	8.70

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	7.84
2	30.04.2024	7.97
3	16.05.2024	7.25
4	31.05.2024	6.89
5	16.06.2024	6.76
6	30.06.2024	6.58
7	16.07.2024	6.41
8	31.07.2024	5.89
9	16.08.2024	4.76
10	31.08.2024	3.85
11	16.09.2024	3.77
12	29.09.2024	3.75
13	16.10.2024	4.09
14	31.10.2024	4.66
15	16.11.2024	4.94
16	30.11.2024	4.84
17	16.12.2024	5.01
18	31.12.2024	5.16
19	16.01.2025	5.28
20	31.01.2025	5.27
21	16.02.2025	5.26
22	29.02.2025	5.25
23	16.03.2025	5.13
24	31.03.2025	5.06

THE RAMCO CEMENTS LIMITED
WATER LEVEL DATA - RAVRALA LIMESTONE MINE (RESERVE FOREST)
PERIOD - APRIL 2024 TO MARCH 2025

I. PIEZOMETER DETAILS:

Location: South Side of Lease

RL - (+) 51.00m

Latitude - N 16° 50' 27.6"

Depth of well - 45.0 m

Longitude - E80° 07' 58.2"

Location: East Side of Mining Lease near 7-2 BH pillar

RL - (+) 61.00m

Latitude - N16° 50' 20.4"

Depth of well - 24.50 m

Longitude - E80° 08' 55.1"

Location: West Side of Haul road

RL - (+) 44.00m

Latitude - N16° 50' 33.2"

Depth of well - 35.0 m

Longitude - E80° 08' 05.7"

Location: South Side Near BH No. 3-7A

RL - (+) 55.00m

Latitude - N16° 50' 11.5"

Depth of well - 50.0 m

Longitude - E80° 08' 39.5"

II. WATER LEVEL DATA

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	20.01
2	30.04.2024	20.30
3	16.05.2024	20.42
4	31.05.2024	20.18
5	16.06.2024	19.94
6	30.06.2024	19.85
7	16.07.2024	19.71
8	31.07.2024	18.89
9	16.08.2024	18.02
10	31.08.2024	17.25
11	16.09.2024	11.52
12	29.09.2024	11.65
13	16.10.2024	11.53
14	31.10.2024	11.40
15	16.11.2024	11.48
16	30.11.2024	11.12
17	16.12.2024	10.18
18	31.12.2024	11.27
19	16.01.2025	11.22
20	31.01.2025	11.2
21	16.02.2025	11.15
22	29.02.2025	11.1
23	16.03.2025	11.06
24	31.03.2025	11.02

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	20.42
2	30.04.2024	20.51
3	16.05.2024	20.72
4	31.05.2024	19.84
5	16.06.2024	19.48
6	30.06.2024	19.17
7	16.07.2024	19.32
8	31.07.2024	19.91
9	16.08.2024	20.89
10	31.08.2024	24.98
11	16.09.2024	25.40
12	29.09.2024	23.83
13	16.10.2024	22.46
14	31.10.2024	21.67
15	16.11.2024	21.15
16	30.11.2024	20.98
17	16.12.2024	20.65
18	31.12.2024	20.44
19	16.01.2025	20.15
20	31.01.2025	19.8
21	16.02.2025	20.06
22	29.02.2025	20.05
23	16.03.2025	20.01
24	31.03.2025	19.98

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	23.03
2	30.04.2024	23.13
3	16.05.2024	23.20
4	31.05.2024	23.37
5	16.06.2024	23.05
6	30.06.2024	23.06
7	16.07.2024	22.85
8	31.07.2024	21.54
9	16.08.2024	20.78
10	31.08.2024	15.89
11	16.09.2024	15.54
12	29.09.2024	21.42
13	16.10.2024	15.43
14	31.10.2024	15.22
15	16.11.2024	15.43
16	30.11.2024	15.26
17	16.12.2024	15.88
18	31.12.2024	15.38
19	16.01.2025	15.42
20	31.01.2025	15.08
21	16.02.2025	14.43
22	29.02.2025	13.86
23	16.03.2025	12.27
24	31.03.2025	11.37

S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	26.49
2	30.04.2024	26.58
3	16.05.2024	26.89
4	31.05.2024	27.01
5	16.06.2024	26.86
6	30.06.2024	26.81
7	16.07.2024	26.43
8	31.07.2024	26.18
9	16.08.2024	26.71
10	31.08.2024	26.98
11	16.09.2024	26.71
12	29.09.2024	26.40
13	16.10.2024	26.37
14	31.10.2024	26.64
15	16.11.2024	26.69
16	30.11.2024	27.01
17	16.12.2024	26.21
18	31.12.2024	26.74
19	16.01.2025	27.29
20	31.01.2025	27.47
21	16.02.2025	27.79
22	29.02.2025	28.06
23	16.03.2025	28.45
24	31.03.2025	28.83

THE RAMCO CEMENTS LIMITED

WATER LEVEL DATA - RAMCO BUDAWADA LIMESTONE MINE (RESERVE FOREST)

PERIOD - APRIL 2024 TO MARCH 2025

Location: North Side of Lease	Location: South West Side of Lease	Location: West Side of Lease
RL - (+)51.00m	RL - (+)51.00m	RL - (+)51.00m
Latitude N 16 51 48.0	Latitude - N 16 51 17.7	Latitude - N 16 51 30.2
Depth of well - 45.0 m	Depth of well - 45.0 m	Depth of well - 45.0 m
Longitude - E80 04 34.7	Longitude - E80 04 01.6	Longitude -E80 03 47.7

II. WATER LEVEL DATA

S. No.	Date of Monitoring	Water Level (m), bgl	S. No.	Date of Monitoring	Water Level (m), bgl	S. No.	Date of Monitoring	Water Level (m), bgl
1	16.04.2024	29.78	1	16.04.2024	22.98	1	16.04.2024	30.02
2	30.04.2024	30.65	2	30.04.2024	24.47	2	30.04.2024	30.74
3	16.05.2024	30.12	3	16.05.2024	23.56	3	16.05.2024	30.03
4	31.05.2024	29.96	4	31.05.2024	22.79	4	31.05.2024	29.72
5	16.06.2024	29.83	5	16.06.2024	21.52	5	16.06.2024	29.1
6	30.06.2024	29.45	6	30.06.2024	20.87	6	30.06.2024	28.68
7	16.07.2024	29.30	7	16.07.2024	21.05	7	16.07.2024	28.02
8	31.07.2024	27.12	8	31.07.2024	18.15	8	31.07.2024	27.62
9	16.08.2024	25.42	9	16.08.2024	17.05	9	16.08.2024	27.32
10	31.08.2024	22.34	10	31.08.2024	14.12	10	31.08.2024	18.62
11	16.09.2024	4.15	11	16.09.2024	0.47	11	16.09.2024	19.58
12	29.09.2024	4.68	12	29.09.2024	0.75	12	29.09.2024	20.02
13	16.10.2024	16.24	13	16.10.2024	4.61	13	16.10.2024	18.26
14	31.10.2024	17.38	14	31.10.2024	8.85	14	31.10.2024	18.56
15	16.11.2024	18.45	15	16.11.2024	10.61	15	16.11.2024	19.02
16	30.11.2024	18.95	16	30.11.2024	11.52	16	30.11.2024	19.35
17	16.12.2024	20.71	17	16.12.2024	12.3	17	16.12.2024	19.72
18	31.12.2024	21.58	18	31.12.2024	13.02	18	31.12.2024	20.56
19	16.01.2025	22.66	19	16.01.2025	13.87	19	16.01.2025	21.56
20	31.01.2025	24.52	20	31.01.2025	14.2	20	31.01.2025	22.8
21	16.02.2025	25.61	21	16.02.2025	16.32	21	16.02.2025	24.87
22	29.02.2025	25.70	22	29.02.2025	16.54	22	29.02.2025	24.9
23	16.03.2025	26.64	23	16.03.2025	17.84	23	16.03.2025	25.68
24	31.03.2025	27.59	24	31.03.2025	18.92	24	31.03.2025	26.46

THE RAMCO CEMENTS LTD., KSR NAGAR
GROUND WATER QUALITY DATA - SURROUNDING AREAS
PERIOD - APRIL 2014 TO MARCH 2025

			PERIOD - APRIL 2024 TO MARCH 2025																																					
			Pechampalli Bore Well Water				Jayanthipuram Village Bore Well Water				Rairada Village Bore Well Water				Vaidyan Village Bore Well Water				Badawadi Bore Well Water				Jagayyapatti Bore Well Water																	
S. No	Parameter	Unit	Chilikallu Open Well Water				K. Agudaram Bore Well Water				Pechampalli Bore Well Water				Jayanthipuram Village Bore Well Water				Rairada Village Bore Well Water				Vaidyan Village Bore Well Water				Badawadi Bore Well Water				Jagayyapatti Bore Well Water				IS 10500-2012 Permissible Limits					
			Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25										
1	pH	-	7.68	7.78	7.78	7.52	7.76	7.53	7.84	7.41	7.49	7.59	7.56	7.53	7.63	7.81	7.46	7.93	7.89	7.78	7.61	7.98	7.82	7.84	7.58	7.67	7.64	7.53	7.56	7.68	7.88	7.68	7.81	7.83	7.93	7.69	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	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5-15			
3	Temperature	°C	28.8	28.9	26.3	33.1	26.1	27.6	25.9	32.6	26.8	27.3	26.8	26.1	30.7	29.6	28.3	27.8	32.80	29.0	28.6	25.3	32.9	28.1	27.30	27.2	31.60	27.3	29.6	25.8	33.4	29.1	28.8	24.9	30.9	31.2	27.6	26.2	32.6	-
4	Turbidity	NTU	1.2	1.3	1.5	1.8	1.4	1.5	1.8	1.1	1.3	1.1	1.3	2.5	1.8	1.6	1.6	1.6	1.80	1.6	1.9	1.8	1.5	1.9	1.60	1.3	1.30	1.3	1.3	1.7	1.7	1.1	1.4	2.0	1.5	1.2	1.6	1.5		
5	Residual Chlorine	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.1-1		
6	Dissolved Oxygen	mg/L	4.1	4.2	4.3	4.9	4.9	4.9	4.9	5.3	4.6	4.8	4.8	4.8	4.5	4.8	4.6	4.5	4.80	4.3	5.4	4.8	4.1	4.60	4.3	5.0	4.2	5.8	4.5	4.9	4.6	4.7	4.1	5.3	4.7	4.9	4.3	4.7	-	
7	Total Suspended Solids	mg/L	32.4	28.9	39.6	27.2	29.1	26.1	40.3	30.5	33.8	27.3	41.2	29.6	24.5	26.8	45.9	33.60	28.2	29.3	34.6	32.6	34.3	31.60	35.3	30.90	28.6	37.3	38.2	29.3	30.2	37.8	36.2	27.8	34.3	38.4	37.9	34.5	-	
8	Electrical Conductivity	µmhos/cm	812	912.0	826	868.0	876	869.0	912	912.0	948	951.0	839	873.0	792	826.0	945	892.00	781	942.0	834	792	822	816.00	829	806.00	802	936.0	762	793.0	839	896	834	826	796.0	812	789.0	-		
9	Total Dissolved Solids	mg/L	553	552.0	504	492.0	559	563.0	599	523.0	536	571.0	542	548.0	496	489.0	601	499.00	448	572.0	426	564	449	581.00	413	529.00	446	539.0	429	542.0	453	582.0	438	513.0	464	546.0	442	500-2000		
10	Total Hardness (as CaCO ₃)	mg/L	256	252.0	301	264.0	278	283.0	258	312.0	321	286.0	306	287.0	191	214.0	289	292.00	198	321.0	216	246	239	291.00	304	312.00	204	283.0	259	292.0	216	246.0	247	311.0	248	278.0	289	200-600		
11	Calcium Hardness	mg/L	151	148.0	159	148.0	158	149.0	163	163.0	153	138.0	157	159.0	121	126.0	148	147.00	161	189.0	171	182	163	143.00	182	216.00	151	168.0	183	179.0	164	145.0	179	253.0	171	135.0	188	262.0	-	
12	Magnesium Hardness	mg/L	126.0	107.0	142.0	112.0	139.0	115.0	95.0	131.0	141.0	136.0	149.0	126.0	132.0	151.0	141.0	109.00	42.6	129.0	45.0	58.3	64.3	118.00	122.0	92.60	52.6	136.0	76.0	120.0	41.9	139.0	68.0	60.9	73.2	128.0	95.0	48.3	-	
13	Calcium (as Ca)	mg/L	55.3	55.6	50.2	48.3	65.9	65.2	54.3	50.2	68.3	63.1	51.9	49.2	49.1	55.1	50.6	51.40	52.0	56.2	55.3	60.6	53.9	53.90	50.6	53.90	56.1	53.7	52.9	54.6	54.6	59.3	53.8	58.2	48.4	47.1	54.6	56.1	75-200	
14	Magnesium (as Mg)	mg/L	36.2	35.2	38.3	30.2	23.8	28.3	40.6	29.3	25.6	26.4	35.3	26.1	25.8	26.9	41.2	32.30	35.3	33.6	28.2	40.2	19.2	18.30	30.1	31.60	26.2	27.1	29.3	46.3	28.3	29.2	24.6	40.9	24.6	25.1	27.3	36.2	30-100	
15	Sodium (as Na)	mg/L	48.3	44.2	52.3	52.3	47.1	41.6	50.6	50.6	52.3	48.3	54.3	51.4	39.2	39.6	50.9	50.90	57.2	57.3	59.6	45.3	48.3	45.20	50.3	52.60	48.9	49.1	52.6	49.8	42.6	48.4	46.2	33.6	36.8	54.6	50.9	-		
16	Potassium (as K)	mg/L	1.6	1.6	2.3	1.8	4.9	4.1	2.5	2.2	7.1	7.9	2.4	1.9	1.8	1.9	2.7	1.40	3.9	2.8	4.1	5.3	4.1	3.10	2.8	4.90	5.7	5.4	3.6	3.6	3.8	4.3	4.7	3.1	2.7	4.7	5.8	-		
17	Chloride (as Cl)	mg/L	153.0	153.0	172.0	126.0	152.0	174.0	161.0	141.0	159.0	148.0	178.0	139.0	127.0	138.0	159.0	138.00	171.0	179.0	184.0	215	153.0	142.00	179.0	218.00	161.0	158.0	169.0	315.0	152.0	151.0	183.0	274.0	131.0	139.0	172.0	252.0	250-1000	
18	Sulphate (as SO ₄)	mg/L	36.6	37.2	39.3	42.3	46.9	39.3	40.6	40.6	44.1	42.6	38.1	39.8	38.4	39.1	35.2	41.20	48.6	44.6	52.6	45.3	36.2	38.90	49.3	50.80	35.3	37.1	51.7	49.8	38.3	54.8	39.6	36.1	50.7	41.2	200-400			
19	Total Alkalinity (as CaCO ₃)	mg/L	145.0	136.0	148.0	124.0	148.0	128.0	161.0	104.0	121.0	109.0	153.0	113.0	130.0	124.0	149.0	109.00	139.0	131.0	182.0	242	142.0	137.00	179.0	218.00	112.0	132.0	181.0	106.0	139.0	17.0	278.0	103.0	99.2	188.0	302.0	200-600		
20	BOD (for 3 days at 27 °C)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-		
21	Chemical Oxygen Demand	mg/L	17.2	19.1	18.9	20.3	25.3	24.3	15.3	19.4	35.2	27.3	14.6	18.3	18.3	23.6	15.9	19.20	23.6	22.9	25.3	24.3	24.6	23.60	29.7	30.20	26.9	19.1	20.6	25.2	23.8	17.2	19.8	31.4	22.7	17.1	24.6	23.9	-	
22	Oil & Grease	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-		
23	Iron (as Fe)	mg/L	0.26	0.2	0.31	0.23	0.31	0.28	0.37	0.21	0.28	0.3	0.34	0.18	0.07	0.1	0.35	0.22	0.24	0.1	0.37	0.24	0.09	0.04	0.18	0.19	0.31	0.23	0.11	0.17	0.26	0.32	0.05	0.08	0.33	0.29	0.3			
24	Fluoride (as F)	mg/L	0.32	0.23	0.43	0.34	0.29	0.25	0.39	0.38	0.26	0.34	0.51	0.36	0.38	0.23	0.47	0.17	0.48	0.21	0.57	0.34	0.31	0.21	0.63	0.49	0.21	0.34	0.54	0.37	0.32	0.29	0.39	0.42	0.29	0.31	1.0-1.5			
25	Nitrate (as NO ₃)	mg/L	0.87	0.72	0.87	0.82	1.46	1.29	2.03	0.88	0.71	1.45	0.86	0.46	0.47	1.59	0.87	0.58	0.51	0.64	0.89	0.68	0.61	0.34	1.24	0.61	0.66	0.58	0.91	0.28	0.39	0.66	1.35	0.31	0.48	0.58	1.24	45		

THE RAMCO CEMENTS LIMITED, KSR NAGAR
SURFACE WATER QUALITY DATA - JAYANTHIPURAM LIMESTONE MINE (SOUTH BAND)
PERIOD - APRIL 2024 TO MARCH 2025

S. No	Parameter	Unit	Upstream						Downstream						Limits
			Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	Apr-24 to Jun-24	Jul-24 to Sep-24	Oct-24 to Dec-24	Jan-25 to Mar-25	
1	pH	-	7.88	7.74	7.66	7.72	7.71	7.82	7.98	7.64					6.5 - 8.5
2	Colour	Hazen	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0					5-15
3	Temperature	°C	29.80	28.40	26.10	31.60	30.60	30.30	28.20	33.80					NS
4	Turbidity	NTU	2.30	2.10	2.50	2.10	2.10	2.80	2.90	1.80					1-5
5	Residual Chloride	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					0.2-1
6	Dissolved Oxygen	mg/L	4.10	4.10	4.40	4.30	4.70	4.70	4.80	4.70					NS
7	Total Suspended Solids	mg/L	48.30	45.30	53.20	48.30	51.20	49.60	55.90	52.60					NS
8	Electrical Conductivity	µmhos/cm	730.00	742.00	742.00	778.00	853.00	839.00	812.00	816.00					NS
9	Total Dissolved Solids	mg/L	439.00	346.00	561.00	436.00	562.00	526.00	589.00	528.00					500-2000
10	Total Hardness (as CaCO ₃)	mg/L	182.00	183.00	171.00	197.00	274.00	274.00	215.00	241.00					200-600
11	Calcium Hardness	mg/L	98.20	96.30	103.00	124.00	149.00	148.00	112.00	158.00					NS
12	Magnesium Hardness	mg/L	82.60	85.10	95.30	72.60	139.00	137.00	112.00	89.30					NS
13	Calcium (as Ca)	mg/L	45.30	39.20	53.80	39.10	56.20	58.40	59.20	57.30					250-1000
14	Magnesium (as Mg)	mg/L	1.02	18.30	19.20	23.50	1.07	27.20	25.10	28.90					30-No Relaxation
15	Sodium (as Na)	mg/L	96.20	36.80	35.30	32.60	137.00	56.20	40.20	38.40					NS
16	Potassium (as K)	mg/L	31.20	1.26	1.09	1.18	42.60	1.13	1.12	1.69					NS
17	Chloride (as Cl)	mg/L	82.30	97.20	102.00	102.00	137.00	148.00	127.00	115.00					250-1000
18	Sulphate (as SO ₄)	mg/L	31.20	29.30	33.90	33.60	42.60	46.20	45.20	38.60					200-400
19	Total Alkalinity (as CaCO ₃)	mg/L	82.30	86.20	90.30	88.90	137.00	148.00	94.30	92.30					200-600
20	BOD (for 3 days at 27 °C)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0					NS
21	Chemical Oxygen Demand	mg/L	26.10	26.30	30.40	26.30	33.60	27.90	32.60	28.20					NS
22	Oil & Grease	mg/L	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	<0.1					NS
23	Iron (as Fe)	mg/L	0.21	0.23	0.32	0.35	0.28	0.28	0.37	0.39					0.3 No Relaxation
24	Fluoride (as F)	mg/L	0.31	0.34	0.51	0.39	0.49	0.52	0.58	0.45					1.0-1.5
25	Nitrate (as NO ₃)	mg/L	0.78	0.67	0.92	0.84	0.91	0.89	0.99	0.97					45 No Relaxation
26	Phosphates (as PO ₄)	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					NS

THE RAMCO CEMENTS LIMITED
MINE DISCHARGE WATER QUALITY DATA
PERIOD - APRIL 2024 TO MARCH 2025

S. No	Parameter	Unit	Month												Limits	
			Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25		
I. JAYANTHIPURAM LIMESTONE MINE (NORTH BAND)																
1	p ^H		7.84	8.03	8.08	8.13	8.29	8.37	8.42	8.49	8.58	8.63	8.52	8.63	5.5 - 9.0	
2	Total Suspended Solids	mg/L	76.2	81.6	83.6	85.0	88.3	92.6	90.3	92.6	95.3	98.2	93.1	89.6	10	
3	Total Dissolved Solids	mg/L	690	720	789	796	829	831	878	863	874	896	870	962	100	
4	Chlorides (as Cl)	mg/L	274	302	352	348	351	342	368	371	38	394	356	341	2100	
5	Sulphates (as SO ₄)	mg/L	85.1	93.8	95.3	96.0	98.3	92.6	93.6	95.2	96.9	98.3	84.9	83.2	30	
6	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	< 4.0	< 4.0	< 4.0	250	
7	Chemical Oxygen Demand	mg/L	26.20	28.60	29.70	28.30	29.60	28.30	29.00	29.20	28.30	27.20	23.20	21.60	1000	
8	Oil & Grease	mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	
9	Iron (as Fe)	mg/L	0.61	0.74	0.88	0.79	0.83	0.81	0.77	0.79	0.82	0.79	0.68	0.61	1000	
10	Fluoride (as F)	mg/L	0.68	0.83	0.96	0.91	0.94	0.91	0.89	0.96	0.91	0.86	0.85	0.89	30	
II. JAYANTHIPURAM LIMESTONE MINE (SOUTH BAND)																
1	p ^H		7.88	7.98	7.78	7.84	7.91	7.87	7.79	7.88	7.97	7.82	7.97	7.88	5.5 - 9.0	
2	Total Suspended Solids	mg/L	65.3	66.9	67.3	69.6	73.8	72.6	78.3	82.3	85.6	88.3	81.1	80.6	10	
3	Total Dissolved Solids	mg/L	792	769	812	896	852	841	892	884	897	901	894	868	100	
4	Chlorides (as Cl)	mg/L	151	158	163	171	166	160	167	181	212	234	221	216	2100	
5	Sulphates (as SO ₄)	mg/L	68.3	69.2	68.1	69.7	65.3	62.3	68.2	80.9	85.3	86.2	89.3	88.2	30	
6	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	< 4.0	< 4.0	< 4.0	250	
7	Chemical Oxygen Demand	mg/L	18.20	19.30	18.60	19.20	18.20	19.10	19.80	24.80	25.20	23.90	22.70	21.60	1000	
8	Oil & Grease	mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	
9	Iron (as Fe)	mg/L	0.51	0.48	0.54	0.48	0.53	0.57	0.59	0.63	0.68	0.57	0.49	0.38	1000	
10	Fluoride (as F)	mg/L	0.49	0.53	0.59	0.61	0.68	0.73	0.66	0.71	0.79	0.86	0.82	0.79	30	
III. RAVIRALA LIMESTONE MINE (RF)																
1	p ^H		7.63	7.78	7.81	7.92	7.88	7.79	7.88	7.91	8.03	8.07	8.12	8.03	5.5 - 9.0	
2	Total Suspended Solids	mg/L	58.90	61.2	65.3	69.6	67.3	62.6	68.90	69.6	74.6	75.9	73.6	70.9	10	
3	Total Dissolved Solids	mg/L	812	839	892	923	912	901	939	947	959	966	947	925	100	
4	Chlorides (as Cl)	mg/L	283	296	326	341	329	313	338	341	352	361	378	361	2100	
5	Sulphates (as SO ₄)	mg/L	54.6	56.3	59.6	62.3	63.5	62.0	66.0	68.2	61.6	60.2	55.4	52.6	30	
6	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	< 4.0	< 4.0	< 4.0	250	
7	Chemical Oxygen Demand	mg/L	19.10	20.60	22.80	28.20	29.10	28.20	27.30	29.10	27.60	28.20	26.10	25.40	1000	
8	Oil & Grease	mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	
9	Iron (as Fe)	mg/L	0.74	0.71	0.89	0.93	0.78	0.71	0.88	0.91	0.88	0.79	0.83	0.79	1000	
10	Fluoride (as F)	mg/L	0.81	0.79	0.86	0.91	0.85	0.89	0.97	0.94	0.91	0.88	0.92	0.56	30	

Note: All values are mentioned as mg/L, except p^H.

THE RAMCO CEMENTS LTD., KSR NAGAR
DETAILS OF RAIN WATER HARVESTING PITS

S. No.	LOCATION	TO ACCOMMODATE	PIT NUMBERING	No. OF PITS	ROOF TOP AREA (m ²)	PAVED AREA (m ²)	UNPAVED AREA (m ²)	PIT DIMENSIONS		LATITUDE	LONGITUDE
								LENGTH, m	WIDTH, m		
I.	COLONY AREA										
1	C+ Qtrs buildings(C+1 -C+8)	Building roof top & Open yard	10	4	1200			3.45	1.5	16°52'26.55" N	80°07'45.85" E
			11					3.45	1.5	16°52'24.84" N	80°07'45.61" E
			12					3.45	1.5	16°52'25.05" N	80°07'44.10" E
			13					3.45	1.5	16°52'26.86" N	80°07'44.32" E
2	New school building	Building roof top & Open yard	1	4	3075			3.2	1.6	16°52'33.29" N	80°07'48.71" E
			2					3.1	1.8	16°52'32.42" N	80°07'46.66" E
			3					3.3	2.7	16°52'30.19" N	80°07'49.25" E
			4					2.2	3.2	16°52'28.98" N	80°07'47.78" E
3	Occupational Health Centre	Building roof water	6	2	200			3.3	1.7	16°52'28.03" N	80°07'39.85" E
			7					3.1	2.2	16°52'29.01" N	80°07'39.94" E
4	New Administration building	Building roof top & Open yard	9	1	540			3.2	2.4	16°52'30.10" N	80°07'35.84" E
5	Reading room	Building roof top water	8	1	120			1.1	1.8	16°52'26.79" N	80°07'41.36" E
6	D40 area	D40 quarter open yard	23	1			500	2.3	2.3	16°52'17.48" N	80°07'34.77" E
7	B Type quarter area (near B2 1 No. and B4 backside 1 No.)	School ground	21	2			1000	2.7	2.2	16°52'18.27" N	80°07'36.65" E
			22					1.7	1.7	16°52'20.10" N	80°07'36.08" E
8	C30	Open yard	15	1			200	2.3	2.5	16°52'26.13" N	80°07'43.14" E
9	Near Volley Ball ground	East of play ground	16	1		200		3.8	2	16°52'24.58" N	80°07'41.27" E
10	Near culvert @ Cricket ground	Open land near C ground	5	1			3000	3.4	2.7	16°52'32.07" N	80°07'44.40" E
11	Bachelor hostel area	Rain water collection pit through natural ground	14	2		550		2.1	2.3	16°52'26.75" N	80°07'31.59" E
			20					1.7	2.8	16°52'25.34" N	80°07'31.05" E
12	CMD guest house area	Building roof top & Open yard	17	3	1000			1.5	1.5	16°52'24.07" N	80°07'44.43" E
			18					0.6	0.9	16°52'23.71" N	80°07'43.52" E
			19					0.7	0.7	16°52'23.56" N	80°07'44.53" E
13	D - 1 block Apartment	D41 - D44 block roof top and open land	39	1	200			3	1.6	16°52'16.74" N	80°07'33.50" E
14	D - 2 block Apartment	D45 - D48 block roof top and open land	40	1	200			3.4	2.1	16°52'16.59" N	80°07'32.04" E
15	D - 3 block Apartment	D49 - D52 block roof top and open land	41	1	200			3.3	1.7	16°52'16.68" N	80°07'32.15" E
16	D - 4 block Apartment	D53 - D56 block roof top and open land	42	1	200			2.6	1.8	16°52'16.55" N	80°07'33.28" E
17	D - 5 block Apartment	D57 - D60 block roof top and open land	43	1	200			2.8	1.8	16°52'16.41" N	80°07'34.34" E
18	D - 6 block Apartment	D61 - D64 block roof top and open land	44	1	200			2	2	16°52'18.75" N	80°07'32.10" E
19	D - 7 block Apartment	D64 - D68 block roof top and open land	45	1	200			2.5	2	16°52'18.48" N	80°07'33.31" E
20	E - 1 Block Apartment	E41 - E52 block roof top and open land	27	2	295			3.3	1.7	16°52'20.92" N	80°07'30.66" E
			28					3.2	1.6	16°52'19.92" N	80°07'30.12" E
21	E - 2 Block Apartment	E53 - E64 block roof top and open land	25	2	295			3.3	2.1	16°52'22.31" N	80°07'30.97" E
			26					3.3	2.1	16°52'21.23" N	80°07'30.77" E
22	F - 1 Block Apartment	F75 - F86 block roof top and open land	29	2	293			3	2	16°52'18.04" N	80°07'30.41" E
			30					3.4	2.2	16°52'19.35" N	80°07'30.39" E
23	F - 2 Block Apartment	F87 - F98 block roof top and open land	31	2	293			3	2.1	16°52'16.38" N	80°07'30.18" E
			32					3	2.1	16°52'17.76" N	80°07'30.27" E
24	F - 3 Block Apartment	F99 - F110 block roof top and open land	33	2	293			3.3	2.3	16°52'16.53" N	80°07'28.64" E
			34					3	2.1	16°52'17.75" N	80°07'28.85" E
25	F - 4 Block Apartment	F111 - F122 block roof top and open land	35	2	293			2.9	1.3	16°52'18.33" N	80°07'28.98" E
			36					2.6	1.8	16°52'19.53" N	80°07'28.99" E
26	F - 5 Block Apartment	F123 - F134 block roof top and open land	37	2	293			2.9	1.3	16°52'19.96" N	80°07'29.10" E
			38					2.4	1.5	16°52'21.09" N	80°07'29.33" E
27	STP Area	Rain water collection pit through natural ground	46	1		400	1000	1.5	1.5	16°52'20.61" N	80°07'34.85" E
28	C-Type quarters area	Rain water collection pit through natural ground	47	1			500	2.8	2.7	16°52'22.97" N	80°07'39.48" E
29	C-18 Quarter backside	Rain water collection pit through natural ground	48	1			1000	2.5	2.5	16°52'22.06" N	80°07'40.37" E
30	E3& E4 Block Apartments	Roof top and open land	49	1	305			1.2	1.3	16°52'23.53" N	80°07'30.43" E
	COLONY TOTAL			48							
II.	PLANT AREA										
31	CCR	Roof top and open land	1	1	1100			3	2	16°52'33.16" N	80°07'19.21" E
32	Mines office	Roof top and open land	2	2	350			1.4	1.4	16°52'21.07" N	80°07'11.11" E
			3					1.5	1.5	16°52'21.58" N	80°07'11.82" E
33	Thermal Power Plant area	Cooling tower building surrounding surface water	4	1				1.5	1.5	16°52'26.34" N	80°07'11.11" E
	PLANT TOTAL			4							
	Total			52	11345	1150	7200				

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department
State Level Water Testing Laboratory
O/o The Project Director
State Water Supply & Sanitation Mission
"C" Block, Vasudha shelter, LIC colony, Gollapudi, Vijayawada - 521225

TEST REPORT ON CHEMICAL ANALYSIS OF WATER(DRINKING)
General Physico- Chemical Parameters

Sample received from : The Ramco Cements Ltd.

Location : Jayanthipuram, Jaggayyapeta(Md), NTR Dist

Test Report ID No : 53/SLL/SWSM/RWS/ Private/2024

Description of the test items: Water Sample

Date of Collection : 09.09.2024

Date of Analysis : 10.09.2024

Date of Receipt : 09.09.2024

Date of issue: 13.09.2024

Sl.No.	Physico-Chemical Parameters	Units	Test result of the water sample	As per IS (10500 - 2012)	
				Requirement (Acceptable Limit)	Permissible Limit (in the absence of alternative source)
1	Colour	Pt-Co	0	5	15
2	Turbidity	NTU	0	1	5
3	pH		7.5	6.5-8.5	No relaxation
4	Electrical Conductivity	micromhos/cm	147	-	-
5	Total Dissolved Solids	mg/L	95	500	2000
6	Salinity	gm/L	0.06	0.48	1.836
7	Total Alkalinity as CaCO ₃	mg/L	40	200	600
8	Total Hardness as CaCO ₃	mg/L	40	200	600
9	Calcium as Ca ⁺⁺	mg/L	9	75	200
10	Magnesium as Mg ⁺⁺	mg/L	4	30	100
11	Flouride as F ⁻	mg/L	0.22	1.0	1.5
12	Chloride as Cl ⁻	mg/L	34	250	1000
13	Nitrate as NO ₃ ⁻	mg/L	0.7	45	No relaxation
14	Sulphate as SO ₄ ⁻²	mg/L	13.5	200	400
15	Total Iron as Fe	mg/L	0.23	1.0	No relaxation
16	Sodium Na ⁺	mg/L	29.3	-	-
17	Potassium K ⁺	mg/L	1.4	-	-
18	Silica	mg/L	3.6	-	-

Note :

1. The above said results are related only to the sample tested.
2. Sample is collected by the customer not by the laboratory.

S. Venkatesh
Lab Chemist

[Signature] 13/09/24
Asst. Chemist
State Level Water Testing Laboratory
Rural Water Supply & Sanitation Dept. A.P.
VIJAYAWADA

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department
State Level Water Testing Laboratory

O/o The Project Director
State Water & Sanitation Mission
"C" Block Vasudha shelters, Lic Colony, Gollapudi, Vijayawada -521225

Report on Bacteriological Parameters of Water (Drinking)

Received From : The Ramco Cements Ltd.

Location : Jayantipuram Village, Jaggayyapeta (MD), NTR Dist.

Lab Ref No : SLL/BCT/Private/012

Date of Collection : 09-09-2024

Date of Received : 09-09-2024

Date of Issue : 12-09-2024

Sl. No.	Source	Coliform/ CFU/100ml	E. Coli/ CFU/100ml	Residual Free Chlorine
1	RO	0	0	Nil

Results: Coliform bacteria & E.Coli bacteria are not detected in 100ml of sample.

Remarks: As per Drinking water - specification (IS 10500:2012, the total coliform bacteria and E. Coli or Thermo tolerant Coliform bacterial shall not be detected in any 100 ml. of water sample, which is intended for drinking purpose.

Note:

1. The above said results are related to the sample tested only.
2. Report shall not be reproduced half or full without approval / permission of the laboratory.
3. Sample is collected by the customer and not laboratory.

Till Sandeep
12/09/24
Lab. Microbiologist

[Signature]
Asst. Chemist
State Level Water Testing Laboratory
Rural Water Supply & Sanitation Dept. A.P.
VIJAYAWADA

**THE RAMCO CEMENTS LIMITED,
NOISE LEVEL MONITORING - JAYANTHIPURAM LIMESTONE MINES
PERIOD - APRIL 2024 TO MARCH 2025**

Sl. No	Date of monitoring	Name Of the Mine	Machine / Location	Day time (6AM to 10PM)	Permissible Limit dB(A)	Night time (10PM to 6AM)	Permissible Limit dB(A)
1	28.09.2024	Ravirala Limestone Mine (Reserve Forest)	Drilling area	72.7	< 75	63.90	< 70
2			Loading area	72.9	< 75	62.10	< 70
3			Haul road	70.3	< 75	63.80	< 70
4			Unloading area	71.8	< 75	63.60	< 70
5			Mines office	53.6	< 75	38.30	< 70
6			Dumping area	51.7	< 75	40.60	< 70
7			Pump house	63.9	< 75	43.90	< 70
8			Weigh bridge	60.6	< 75	48.20	< 70
9			Ravirala View point	63.8	< 75	48.10	< 70
10			Near ML-4 Tower Light	62.7	< 75	43.70	< 70
1	28.09.2024	Jayanthipuram Limestone Mine (North Band)	Drilling area	73.2	< 75	63.9	< 70
2			Loading area	72.9	< 75	61.6	< 70
3			Haul road	71.9	< 75	61.8	< 70
4			Unloading area	70.6	< 75	62.9	< 70
5			Mines office	53.9	< 75	38.3	< 70
6			Crusher Hopper	61.4	< 75	51.6	< 70
7			Sub Station	63.7	< 75	53.7	< 70
8			Pump House	70.2	< 75	60.6	< 70
9			Weigh Bridge	62.9	< 75	52.9	< 70
10			PMC Camp	52.9	< 75	41.6	< 70
1	28.09.2024	Jayanthipuram Limestone Mine (South Band)	Drilling area	72.7	< 75	63.90	< 70
2			Loading area	72.9	< 75	62.10	< 70
3			Haul road	70.3	< 75	63.80	< 70
4			Unloading area	71.8	< 75	63.60	< 70
5			Mines office	53.6	< 75	38.30	< 70
6			Dump Yard	51.7	< 75	40.60	< 70
7			RSMS Camp	63.9	< 75	43.90	< 70
8			R&B road	60.6	< 75	48.20	< 70
9			Pump House	63.8	< 75	48.10	< 70
10			SB Bund Area	62.7	< 75	43.70	< 70
1			Drilling area	73.2	< 75	61.6	< 70

Jagadhikapuram.....LIMESTONE MINE
THE RAMCO CEMENTS LIMITED

BLASTING REPORT

NR - BSTLA

Date : 05/10/24

Time : 1:00pm

Blast No. : 3PM/244/0/24-25

Distance of Village from Blasting site :- 800mts

Distance of Instrument from Blasting site :- 100mts

Blast Location : Pit - II IV Bench(s)
 No. of Holes : 25 + 08 Tools
 Bench Height (Mtrs) : 8.7
 Total Meterage (Mtrs) : 234.1 (Two Hundred thirty four point one)
 Avg. Depth of Holes (Mtrs) : 8.7
 Burden (Mtrs) : 3
 Spacing (Mtrs) : 4
 ROM Blasted (Expected Tons) : 6600
 Production (Ton / Mtr) : 30.13

Explosive & Accessories Used

S.I Non Cap Sensitive 83mm (Kg) : -

S. prime Cap Sensitive 83mm (Kg) : 50kg

ANFO (Kg) : 1000kg

IED (Nos) : -

A-E-D EDD (Nos) : 10 nos

cord (Mtrs) : -

Nonels (Nos) : 25 nos + 8 Tools

Boost 25 mm (Kg) : -

Cast Booster (Kg) : 7.5 kg

Powder Factor (Tons / Kg) : 6.2

Total Explosive : 1057.5 kg

Man. charge / day :- 12.7 Kgs

P.P.V :- 0.508 mm/sec

Remarks : There are no public / private structure within the Danger zone

Abop :- 122.2 dB(L)

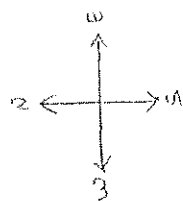
Fly rock Distance :- 6mts

Direction of village from Blasting site :- East

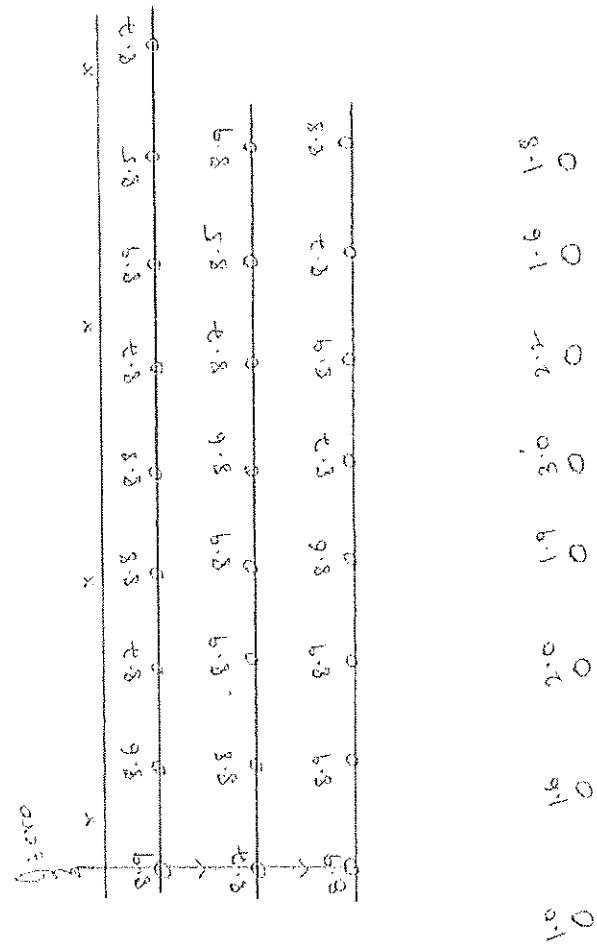
Direction of Instrument from Blasting site :- South

TS. R. J. H.
Blasting Foremanchiruk
Asst. Manager (D&B)

Mines Manager

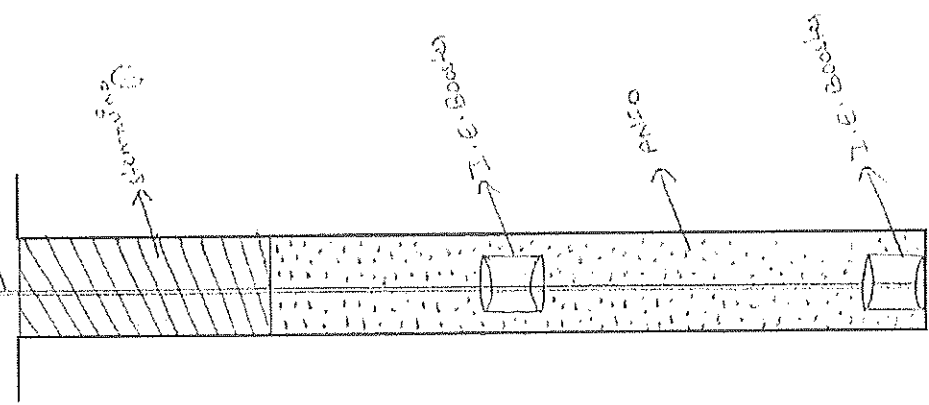


Delay Pattern



100

Charging Pattern





Event Report

Date/Time Vert at 12:48:51 October 5, 2024
Trigger Source Geo: 0.510 mm/s
Range Geo: 254 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 101

Notes

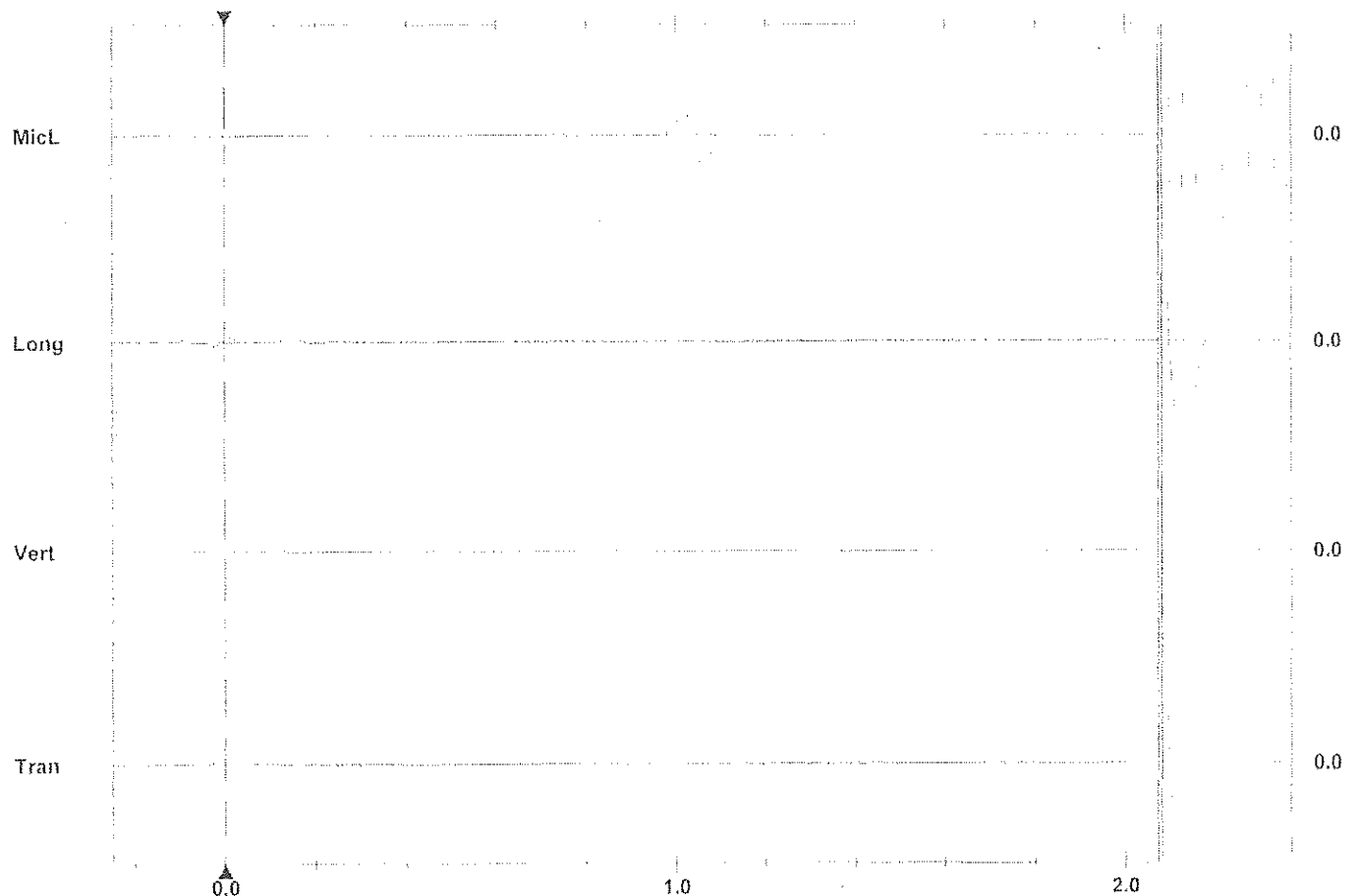
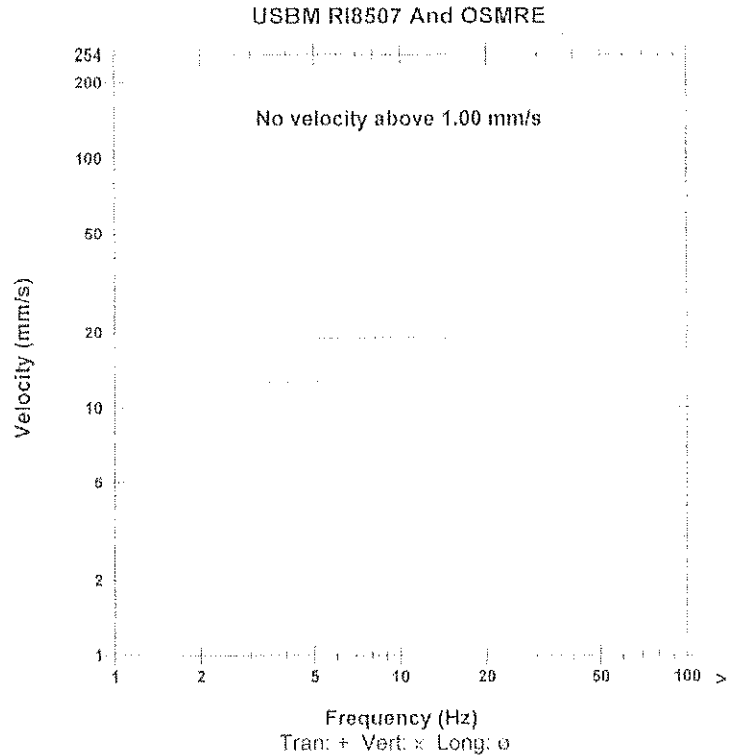
Location: Jayanthipuram pit 2 4th Bench South
Client: M/s. The Ramco Cements Limited
User Name: CH.T.Naidu
General:

Serial Number BE15430 V 10.72-1.1 Minimate Blaster
Battery Level 6.1 Volts
Unit Calibration July 31, 2024 by UES New Delhi
File Name TEMP.EVT
Scaled Distance 158.1 (50.0 m, 0.1 kg)

Microphone Linear Weighting
PSPL 122.2 dB(L) at 1.063 sec
ZC Freq 17 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 517 mv)

	Tran	Vert	Long	
PPV	0.254	0.508	0.508	mm/s
PPV	39.1	45.1	45.1	dB
ZC Freq	>100	17	16	Hz
Time (Rel. to Trig)	-0.029	0.000	0.010	sec
Peak Acceleration	0.0265	0.0265	0.0265	g
Peak Displacement	0.00174	0.00496	0.00515	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.4	7.4	Hz
Overswing Ratio	3.7	3.6	3.5	

Peak Vector Sum 0.582 mm/s at 0.011 sec



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa (L)/div
Trigger =

Sensor Check

...Tajpur... LIMESTONE MINE
THE RAMCO CEMENTS LIMITED

BLASTING REPORT

MB-BSTDV

Date : 04/01/2015 Time : 11:00pm Blast No. : JPM/339/0124-25
 Distance of village from Blasting site :- 800mts
 Distance of Instrument from Blasting site :- 100mts

Blast Location : Pit :- II III Bench (s)
 No. of Holes : 41
 Bench Height (Mtrs) : 8.0
 Total Meterage (Mtrs) : 298.4 (Two hundred ninety eight point four)
 Avg. Depth of Holes (Mtrs) : 7.2
 Burden (Mtrs) : 3
 Spacing (Mtrs) : 5
 ROM Blasted (Expected Tons) : 16190
 Production (Ton / Mtr) : 34.14

Explosive & Accessories Used

Non Cap Sensitive 83mm (Kg) : -

Cap Sensitive 83mm (Kg) : -

ANFO (Kg) : 1400kg

IED (Nos) : -

J.S.O EDD (Nos) : 02 nos

cord (Mtrs) : -

Nonels (Nos) : 41 nos

Boost 25 mm (Kg) : -

Cast Booster (Kg) : 12.3 kg

Powder Factor (Tons / Kg) : 2.2

Total Explosive : 1412.3 kg

Manchase (delay :- 132 ms)

P.P.V :- 2.29 mm/sec

Nonels :

1. S.det's - 13 mts → 29 nos
2. S.det's - 12 mts → 11 nos
- 3.
- 4.

Remarks : There are no public/private structure within the Danger Zone
 -A.bop :- 128.9 dB(L)

-flyrock distance :- 8 mts

Direction of village from Blasting site :- East

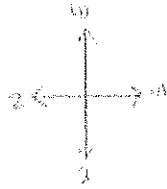
Direction of Instrument from Blasting site :- South

T.S. P.
 Blasting Foreman

chak
 Asst. Manager (D&B)

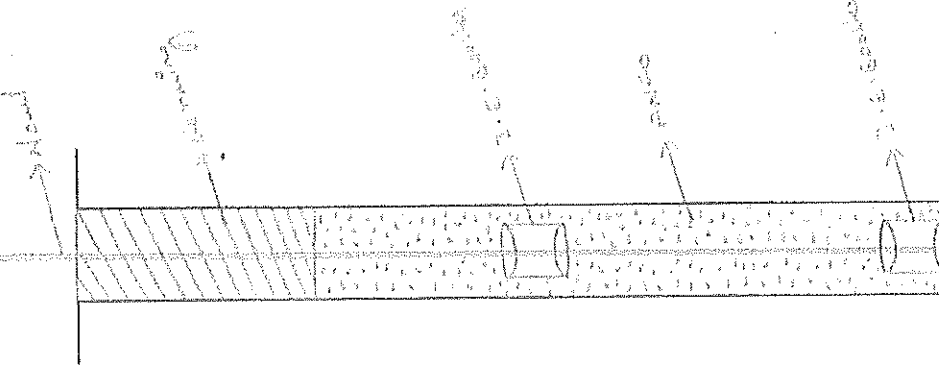
C. C.
 Mines Manager.

Delay Pattern



	2.6	4.5	0.8	1.3	6.±	7.3	1.8	2.±	0.8	1.3
	0.5	0.5	7.3	6.±	1.±	0.8	2.±	7.3	6.±	0.8
	8.4	4.5	7.3	0.8	2.±	6.±	2.±	7.3	1.3	1.3
	0.5	6.4	1.5	7.3	0.8	0.8	1.3	1.±	6.±	2.±

Changing Pattern



Date/Time Long at 13:13:44 January 4, 2025
 Trigger Source Geo: 0.510 mm/s
 Range Geo: 254 mm/s
 Record Time 2.0 sec at 1024 sps
 Job Number: 157

Serial Number BE15430 V 10.72-1.1 Minimate Blaster
 Battery Level 5.9 Volts (Battery Low)
 Unit Calibration July 31, 2024 by UES New Delhi
 File Name TEMP.EVT
 Scaled Distance 158.1 (50.0 m, 0.1 kg)

Notes

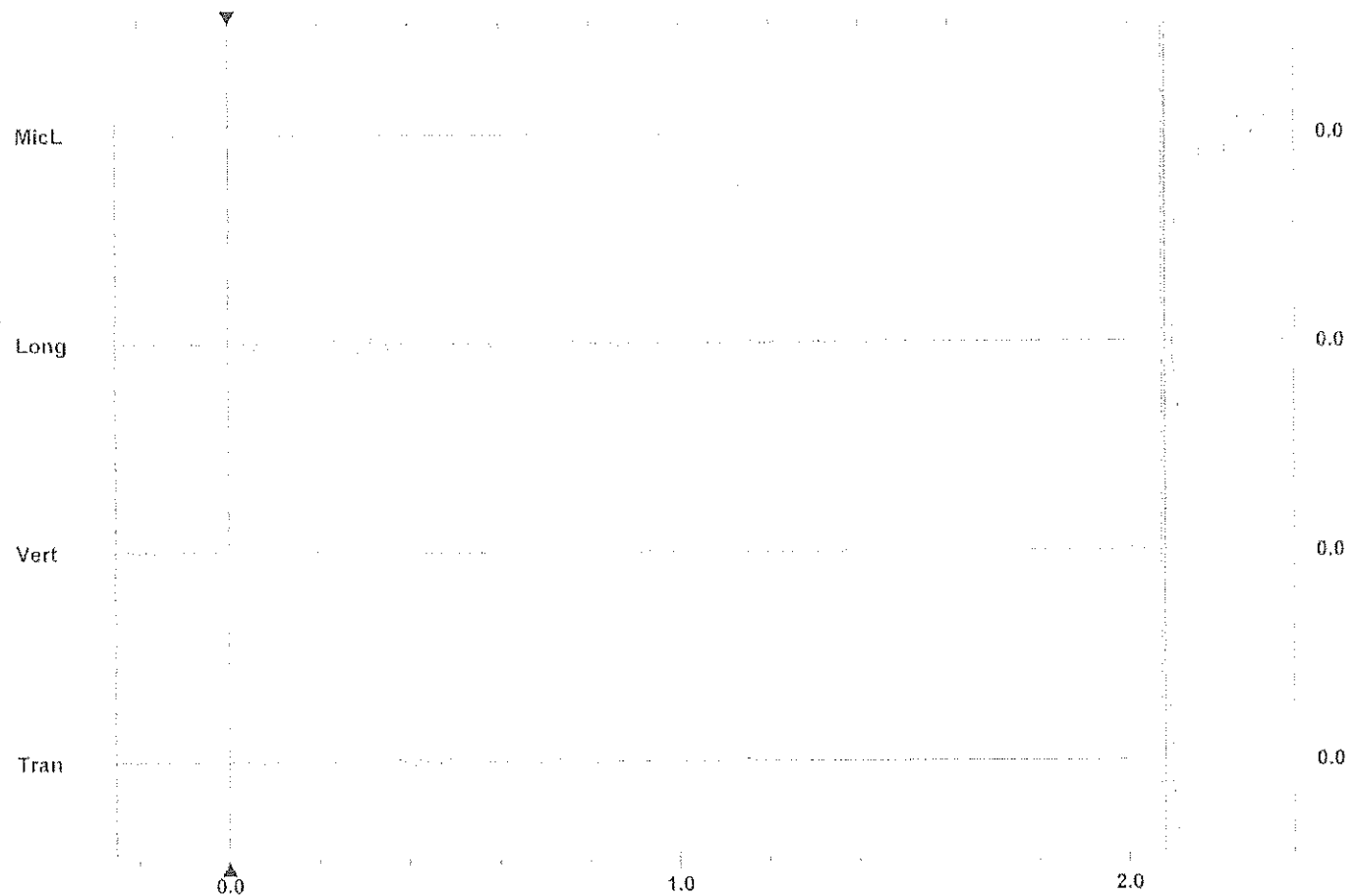
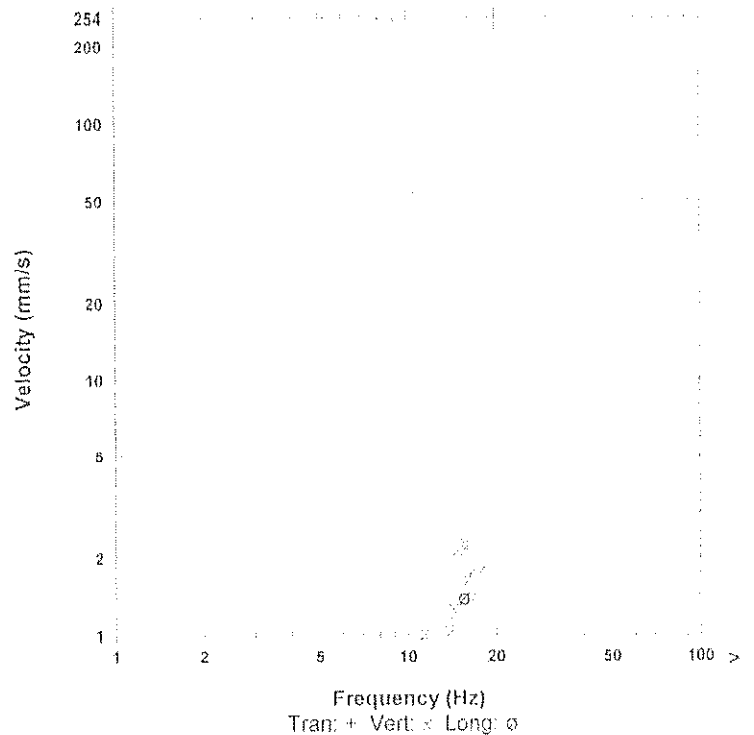
Location: Jayanthipuram Pit2 3rd Bench South
 Client: M/s. The Ramco Cements Limited
 User Name: CH.T.Naidu
 General:

Microphone Linear Weighting
 PSPL 128.9 dB(L) at 1.146 sec
 ZC Freq 4.2 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 468 mv)

	Tran	Vert	Long	
PPV	0.889	2.29	1.40	mm/s
PPV	50.0	58.2	53.9	dB
ZC Freq	21	16	16	Hz
Time (Rel. to Trig)	0.217	0.248	0.335	sec
Peak Acceleration	0.0265	0.0398	0.0265	g
Peak Displacement	0.00682	0.0237	0.0138	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.3	7.4	Hz
Overswing Ratio	3.6	3.6	3.5	

Peak Vector Sum 2.49 mm/s at 0.249 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 20.0 pa (L)/div
 Trigger = ▶ ◀

Sensor Check

.....Ravirala.....LIMESTONE MINE
THE RAMCO CEMENTS LIMITED

BLASTING REPORT

RR-BSTL6

Date : 10/09/24 Time : 11:00pm Blast No. : RR/85/0/24-25

Distance of Village from Blasting site :- 2.8 km

Distance of Instrument from Blasting site :- 100m

Blast Location : RR-IV Bench (W)
No. of Holes : 35
Bench Height (Mtrs) : 8.8
Total Meterage (Mtrs) : 305.9 (Three Hundred and five point Nine)
Avg. Depth of Holes (Mtrs) : 8.8
Burden (Mtrs) : 3
Spacing (Mtrs) : 5
ROM Blasted (Expected Tons) : 11600
Production (Ton / Mtr) : 37.92

Explosive & Accessories Used

Non Cap Sensitive 83mm (Kg) : -
I. Boost Cap Sensitive 83mm (Kg) : 1325 kg
ANFO (Kg) : 250 kg
IED (Nos) : -
A-E-D EDD (Nos) : 02 nos
cord (Mtrs) : -
Nonels (Nos) : 35 nos
Boost 25 mm (Kg) : -
Cast Booster (Kg) : -
Powder Factor (Tons / Kg) : 7.1

Nonels :

1. S. det's - 15 min's → 35 nos
- 2.
- 3.
- 4.

Total Explosive : 1625 kg
Mancharge / delay :- 139 kg
P.P.V :- 2.67 mm/sec

Remarks : There are no public / private structure within the danger zone.

-A-bop :- 104.2 dB(L)

flyrock distance :- 8 m

Direction of village from Blasting site :- South

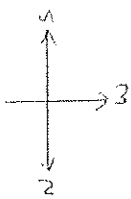
Direction of Instrument from Blasting site :- South

Blasting Foreman

Asst. Manager (D&B)

Mines Manager.

Delay Pattern

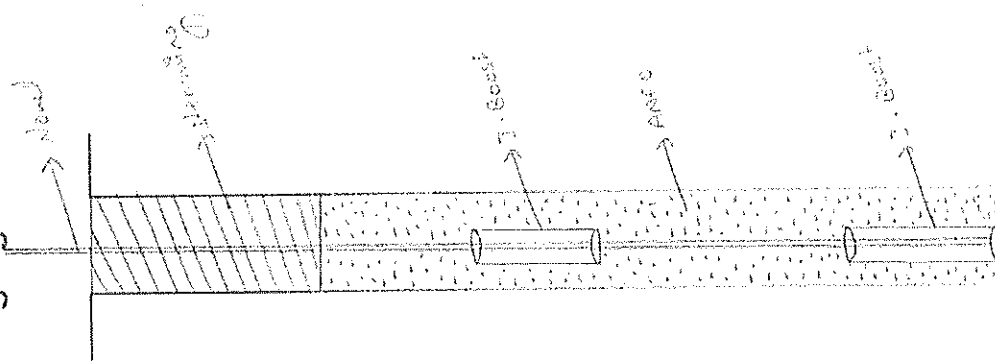


Free Face

9.0	8.7	9.0	8.9	8.6	9.0	8.7	9.0	8.6	8.9	8.8	9.0
8.9	8.3	9.1	9.0	9.2	8.5	8.8	8.7	9.1	8.8	9.0	9.0
9.0	8.8	8.0	9.0	9.0	8.9	9.1	8.7	5.0	8.8	9.0	

Free Face

Charging Pattern



Date/Time Long at 10:44:48 September 10, 2024
 Trigger Source Geo: 0.510 mm/s
 Range Geo: 254 mm/s
 Record Time 2.0 sec at 1024 sps
 Job Number: 82

Serial Number BE15430 V 10.72-1.1 Minimate Blaster
 Battery Level 6.0 Volts
 Unit Calibration July 31, 2024 by UES New Delhi
 File Name TEMP.EVT
 Scaled Distance 158.1 (50.0 m, 0.1 kg)

Notes

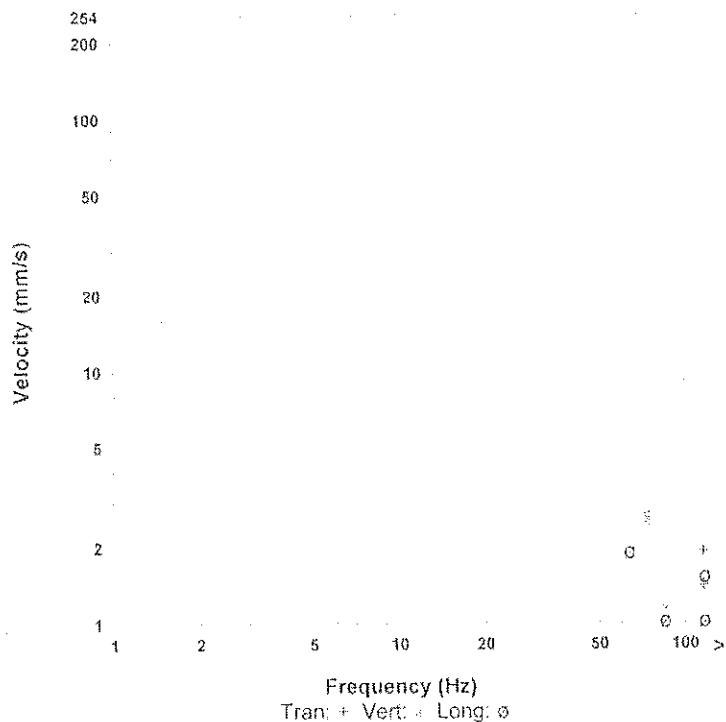
Location: Ravirala Lst Mine 4h bench
 Client: M/s. The Ramco Cements Limited
 User Name: T.Manikanta
 General:

USBM RI8507 And OSMRE

Microphone Linear Weighting
 PSPL 104.2 dB(L) at -0.002 sec
 ZC Freq >100 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 526 mv)

	Tran	Vert	Long	
PPV	1.90	2.67	1.90	mm/s
PPV	56.6	59.5	56.6	dB
ZC Freq	>100	73	64	Hz
Time (Rel. to Trig)	0.012	0.019	0.021	sec
Peak Acceleration	0.119	0.133	0.119	g
Peak Displacement	0.00267	0.00564	0.00415	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.4	7.4	Hz
Overswing Ratio	3.7	3.5	3.6	

Peak Vector Sum 2.70 mm/s at 0.019 sec



MicL

0.0

Long

0.0

Vert

0.0

Tran

0.0

Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger = ▶ ◀

Sensor Check

.....~~Ramco~~.....~~Kudremukh~~.....~~LIMESTONE~~ MINE
THE RAMCO CEMENTS LIMITED

BLASTING REPORT

R.B. - B.S.L.

Date : 30/07/24

Time : 10:00 P.M.

Blast No. : R.B. 45/07/24

Distance of Village from Blasting Site : 200m

Distance of Inhabitant from Blasting Site : 100m

Blast Location : R.B. (K) (W)

No. of Holes : 51

Bench Height (Mtrs) : 9.0

Total Meterage (Mtrs) : 409.4 (four hundred and twenty nine point four mtr)

Avg. Depth of Holes (Mtrs) : 8.0 (eight point four mtr)

Burden (Mtrs) : 3

Spacing (Mtrs) : 5

ROM Blasted (Expected Tons) : 16260

Production (Ton / Mtr) : 37.86

Explosive & Accessories Used

Non Cap Sensitive 83mm (Kg) : -

Cap Sensitive 83mm (Kg) : 150

ANFO (Kg) : 2450

IED (Nos) : 02

EDD (Nos) : -

cord (Mtrs) : -

Nonels (Nos) : 51

Boost 25 mm (Kg) : -

Cast Booster (Kg) : 15.8

Powder Factor (Tons / Kg) : 6.2

Total Explosive : 2615.3 kg

Mass charge factor : 205 kg

P.P.M. : 1000 mg/kg

Nonels :

1. End - 14 mtr = 4600
2. End - 10 mtr = 05 Nos
- 3.
- 4.

Remarks : There are no public / private structure within
 129.4 dB (L)

Flyrock distance : 60m

Direction of Village from Blasting Site : East

Direction of Inhabitant from Blasting Site : North

Blasting Foreman

Asst. Manager (D&B)

Mines Manager

Delay Pattern

Charging Pattern

[illegible]

Date/Time Long at 13:21:38 September 30, 2024
 Trigger Source Geo, 0.510 mm/s
 Range Geo : 254 mm/s
 Record Time 2.0 sec at 1024 sps
 Job Number: 97

Serial Number BE15430 V 10.72-1.1 Minimate Blaster
 Battery Level 6.1 Volts
 Unit Calibration July 31, 2024 by UES New Delhi
 File Name ___TEMP EVT
 Scaled Distance 158.1 (50.0 m, 0.1 kg)

Notes
 Location: Ramco Budawada Lst mine 2nd Bench
 Client: M/s. The Ramco Cements Limited
 User Name: P.B.K.Kumar
 General:

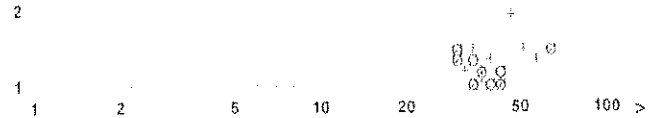
USBM RI8507 And OSMRE

Microphone Linear Weighting
 PSPL 129.4 dB(L) at 1.067 sec
 ZC Freq 5.0 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 416 mv)

	Tran	Vert	Long	
PPV	1.90	1.02	1.40	mm/s
PPV	55.6	51.1	53.9	dB
ZC Freq	47	37	64	Hz
Time (Rel. to Trig)	0.127	0.128	0.105	sec
Peak Acceleration	0.0530	0.0398	0.0530	g
Peak Displacement	0.00614	0.00484	0.00701	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.2	7.3	Hz
Overswing Ratio	3.7	3.6	3.5	

Velocity (mm/s)

Peak Vector Sum 2.29 mm/s at 0.128 sec



Frequency (Hz)

Tran: + Vert: + Long: 0

MicL

0.0

Long

0.0

Vert

0.0

Tran

0.0

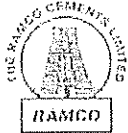
0.0

1.0

2.0

Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 20.0 pa.(L)/div
 Trigger = ▶ ◀

Sensor Check



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

THE RAMCO CEMENTS LIMITED

RCL/PCB/16/2025-2026

08th May 2025

The Environmental Engineer,
A .P. Pollution Control Board,
Regional Office, Plot No: 41,
Gurunanak Road,
Sri Kanakadurga Officers Colony,
Vijayawada – 18.

Dear Sir,

Sub: Submission of Annual Returns of E-Wastes – Form – 3 for our Limestone Mines for the financial year 2024-2025 - Reg.

Ref: 1. CFO Order No. APPCB/VJA/VJA/488/HO/CFO/2021 dated 07.11.2022.
2. CFO Order No. APPCB-11022/134/2021-TEC-CFO-APPCB dated 10.11.2023 issued for our Ravirala Limestone Mine (RF) expansion project from 1.20 to 2.75 MTPA limestone.
3. CTO amendment Order No. APPCB-11022/134/2021-TEC-CFO-APPCB dated 24.01.2024 issued for our Ramco Budawada Limestone Mine (RF) railway wagon proposal.
4. CTO order No. 1551841/APPCB/VJA/VJA/CTO/HO/2024 dated 05.06.2024 issued for our Ramco Budawada Limestone Mine (RF) expansion project from 1.10 to 2.50 MTPA limestone.

Please find enclosed herewith duly filled in Form – 3 - 'Form for Filing Annual Returns' of E-Wastes for our following Limestone Mines for the financial year 2024-2025:

- a. Jayanthipuram Limestone Mine (North Band)
- b. Jayanthipuram Limestone Mine (South Band)
- c. Ravirala Limestone Mine (RF)
- d. Ramco Budawada Limestone Mine (RF)

This is for your kind information please.

Thanking you,

Yours faithfully,
for The Ramco Cements Limited,

(ASHISH KUMAR SRIVASTAVA)
President (Mfg.)

Encl.: As above.

FORM-3

[See rules 4(5), 5(5), 8(6), 9(4), 10(8), 11(9), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13(4)(v)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer or manufacturer or refurbisher or dismantler or recycler
by 30th day of June following the financial year to which that return relates].

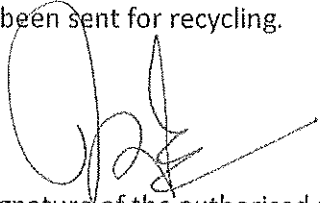
Quantity in Metric Tonnes (MT) and numbers

1	Name and address of the producer or manufacturer or refurbisher or dismantler or recycler	The Ramco Cements Limited, Kumarasamy Raja Nagar - 521 457, Jaggayyapet (M), NTR Dist Capitve Limestone Mines: a. Jayanthipuram Limestone Mine (North Band) b. Jayanthipuram Limestone Mine (South Band) c. Ravirala Limestone Mine (RF) d. Ramco Budawada Limestone Mine (RF)								
2	Name of the authorised person and complete address with telephone and fax numbers and e-mail address	Ashish Kumar Srivastava, President (Mfg.) The Ramco Cements Limited, Kumarasamy Raja Nagar - 521 457, Jaggayyapet (M), NTR Dist. Telephone: 08654 – 224400 to 04, Fax: 08654 – 222352, e-mail: mcljpm@ramcocements.co.in								
3	Total quantity of e-waste collected or channelised to recyclers or dismantlers for processing during the year for each category of electrical and electronic equipment listed in the Schedule I (Attach list) by PRODUCERS									
	Details of the above									
3(A)*	BULK CONSUMERS: Quantity of e-waste	Cumulative quantity of generation in the financial year 2024-2025 for cement plant, thermal power plant, Waste Heat Recovery Plant & limestone mines: <table border="1"> <thead> <tr> <th>Type</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>E-waste</td><td>1.106 Tonne</td></tr> <tr> <td>Printer Cartridges</td><td>1.642 Tonne</td></tr> <tr> <td>Total</td><td>2.748 Tonne</td></tr> </tbody> </table>	Type	Quantity	E-waste	1.106 Tonne	Printer Cartridges	1.642 Tonne	Total	2.748 Tonne
Type	Quantity									
E-waste	1.106 Tonne									
Printer Cartridges	1.642 Tonne									
Total	2.748 Tonne									
3(B)*	REFURBISHERS: Quantity of e-waste:									

3(C)*	DISMANTLERS: i. Quantity of e-waste processed (Code wise); ii. Details of materials or components recovered and sold; iii. Quantity of e-waste sent to recycler; iv. Residual quantity of e-waste sent to Treatment, Storage and Disposal Facility.									
3(D)*	RECYCLERS: i. Quantity of e-waste processed (Code wise); ii. Details of materials recovered and sold in the market; iii. Details of residue sent to Treatment, Storage and Disposal Facility									
4	Name and full address of the destination with respect to 3(A)-3(D) above	On 18.04.2024 (In the financial year 2024-2025), 3.856 Tonne of e-waste is disposed to M/s Ecostar Recycling, Mumbai: <table border="1"> <thead> <tr> <th>Type</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>E-waste</td> <td>1.199 Tonne</td> </tr> <tr> <td>Printer Cartridges</td> <td>2.657 Tonne</td> </tr> <tr> <td>Total</td> <td>3.856 Tonne</td> </tr> </tbody> </table>	Type	Quantity	E-waste	1.199 Tonne	Printer Cartridges	2.657 Tonne	Total	3.856 Tonne
Type	Quantity									
E-waste	1.199 Tonne									
Printer Cartridges	2.657 Tonne									
Total	3.856 Tonne									
5	Type and quantity of materials segregated or recovered from e-waste of different codes as applicable to 3(A)-3(D)	Cumulative quantity available as on 31.03.2025 with respect to for cement plant, thermal power plant, Waste Heat Recovery Plant & limestone mines: <table border="1"> <thead> <tr> <th>Type</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>E-waste</td> <td>0.156 Tonne</td> </tr> <tr> <td>Printer Cartridges</td> <td>0.592 Tonne</td> </tr> </tbody> </table>	Type	Quantity	E-waste	0.156 Tonne	Printer Cartridges	0.592 Tonne		
Type	Quantity									
E-waste	0.156 Tonne									
Printer Cartridges	0.592 Tonne									

✓ Enclose the list of recyclers to whom e-waste have been sent for recycling.

Place: KSR Nagar
Date: 08.05.2025


Signature of the authorised person

Note:-

- (1) * Strike off whichever is not applicable.
- (2) Provide any other information as stipulated in the conditions to the authoriser.
- (3) In case filing on behalf of multiple regional offices, Bulk Consumers and Producers need to add extra rows to 1 & 3(A) with respect to each office.



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: mccljpm@ramcocements.co.in

THE RAMCO CEMENTS LIMITED

RCL/PCB/65/2024-2025

05th March 2025

The Environmental Engineer
AP Pollution Control Board,
Regional Office, Plot No. 41,
Gurunanak Road,
Sri Kanakadurga Officers' Colony,
Vijayawada – 521 008.

Dear Sir,

Sub: Submission of Form – IV – Bio-Medical Waste Returns – Calendar Year 2024 – Reg.
Ref: Authorization Lr. No. R-9/BMW/APPCB/RO-VJA/2024-276 dated 04.07.2024.

This has reference to the above cited Bio-Medical Authorization letter issued for our Occupational Health Centre located at our cement plant. Please find enclosed herewith duly filled-in Form – IV – Bio-Medical Waste Returns for the Calendar Year 2024 (January 2024 to December 2024).

This is for your kind information and perusal please.

Thanking you,

Yours faithfully,
For The Ramco Cements Limited,

ASHISH KUMAR SRIVASTAVA
President (Mfg.)

Encl.: As above

Form – IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of Health Care Facility (HCF) or Common Bio-Medical Waste Treatment Facility (CBWTF)]

S. No.	Particulars	
1	Particulars of the Occupier	
	(i) Name of the authorised person (occupier or operator of facility)	Authorized Person - Ashish Kumar Srivastava Operator of Facility – Dr. S Raja Kesava Prasad
	(ii) Name of HCF or CBMWTF	Occupational Health Centre (The Ramco Cements Limited)
	(iii) Address for Correspondence	Kumarasamy Raja Nagar – 521 457,
	(iv) Address of Facility	Jaggiahpet Mandal, NTR District, AP.
	(v) Tel. No, Fax. No	Tel. No.: 08654 – 224400 - 04 Fax No.: 08654 - 222352
	(vi) E-mail ID	mcljpm@ramcocements.co.in
	(vii) URL of Website	www.ramcocements.in
	(viii) GPS coordinates of HCF or CBMWTF	N - 16° 52' 28.7" E - 80° 07' 40.0"
	(ix) Ownership of HCF or CBMWTF	The Ramco Cements Limited (State Government or Private or Semi Govt. or any other)
	(x) Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	Authorisation No. R-9/BMW/APPCB/RO-VJA/2024-276 dated 04.07.2024 valid up to 31.05.2029 (amendment request is submitted to extend the validity up to 30.09.2029).
	(xi) Status of Consents under Water Act and Air Act	Valid up to: 31.01.2027
2	Type of Health Care Facility	
	(i) Bedded Hospital	No. of Beds: 06 – Occupational Health Centre
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	NA
	(iii) License number and its date of expiry	Factory Licence No. 9538 Expiry date: 31.12.2025
3	Details of CBMWTF	NA
	(i) Number healthcare facilities covered by CBMWTF	
	(ii) No. of beds covered by CBMWTF	
	(iii) Installed treatment and disposal capacity of CBMWTF	

S. No.	Particulars																																		
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF																																		
4	Quantity of waste generated or disposed in kg per annum (on monthly average basis)	Record of bio-medical waste generation is being maintained. Consolidated report (on month wise details) for the calendar year 2024 is enclosed as Annexure – I.																																	
		• Yellow Category: 156.695 kg per annum																																	
		• Red Category: 66.418 kg per annum																																	
		• White: 22.483 kg per annum																																	
		• Blue Category: 27.794 kg per annum																																	
		• General Solid waste: NA																																	
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																		
	(i) Details of the on-site storage facility	Size: Bins – 4 Nos.																																	
		Capacity: 20 L each – 4 Nos.																																	
		Provision of on-site storage (cold storage or any other provision) - Disposed to authorized treatment facility within stipulated time																																	
	disposal facilities	<table><tr><th>Type of treatment equipment</th><th>No. of units</th><th>Capacity, kg/day</th><th>Quantity treated or disposed in kg per annum</th></tr><tr><td>Incinerators</td><td colspan="3" rowspan="2">Not authorized</td></tr><tr><td>Plasma Pyrolysis Autoclaves</td></tr><tr><td>Microwave</td><td colspan="3">Not authorized</td></tr><tr><td>Shredder</td><td>01</td><td>----</td><td>----</td></tr><tr><td>Needle tip cutter or destroyer</td><td>01</td><td>----</td><td>----</td></tr><tr><td>Sharps encapsulation or concrete pit Deep burial pits</td><td colspan="3">Not authorized</td></tr><tr><td>Chemical disinfection</td><td>01</td><td>----</td><td>----</td></tr><tr><td>Any other treatment equipment</td><td colspan="3">Not authorized</td></tr></table>	Type of treatment equipment	No. of units	Capacity, kg/day	Quantity treated or disposed in kg per annum	Incinerators	Not authorized			Plasma Pyrolysis Autoclaves	Microwave	Not authorized			Shredder	01	----	----	Needle tip cutter or destroyer	01	----	----	Sharps encapsulation or concrete pit Deep burial pits	Not authorized			Chemical disinfection	01	----	----	Any other treatment equipment	Not authorized		
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	(iii) Quantity of recyclable wastes: sold to authorized recyclers after treatment in kg per annum	Consolidated report (on month wise details) bio-medical waste disposed to authorized recyclers after preliminary treatment for the calendar year 2024 is enclosed as Annexure – I.																																	

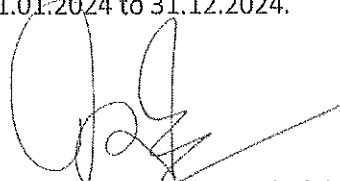
S. No.	Particulars			
	(iv) No. of vehicles used for collection and transportation of biomedical waste	Vehicle of authorized treatment facility is used for transportation of biomedical waste.		
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in kg per annum		Quantity generated	Where disposed
		Incineration ash	Not authorized	
		ETP sludge		
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	M/s Safenviron Bio-Medical Treatment Plant, D. No. 29-3-14, Governorpet, 1 st Venkateswara Rao Street, Vijayawada, NTR District.		
	(vii) List of member HCF not handed over bio-medical waste	NA		
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	Committee meetings are being conducted.		
7	Details trainings conducted on BMW			
	(i) Number of trainings conducted on BMW Management	BMW awareness training programme is done to paramedics at our OHC. Any changes / amendments in the BMW Rules will be updated during consequent training programmes.		
	(ii) number of personnel trained	06		
	(iii) number of personnel trained at the time of induction	06		
	(iv) number of personnel not undergone any training so far	NIL		
	(v) whether standard manual for training is available?	Yes		
	(vi) any other information	NA		
8	Details of the accident occurred during the year			
	(i) Number of Accidents occurred	NIL		
	(ii) Number of the persons affected	NIL		
	(iii) Remedial Action taken (Please attach details if any)	NA		
	(iv) Any Fatality occurred, details	NIL		
9	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	Not authorized		
	Details of Continuous online emission monitoring systems installed	Not authorized		

S. No.	Particulars	
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	Not authorized
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	Not authorized
12	Any other relevant information	No

Certified that the above report is for the period from 01.01.2024 to 31.12.2024.

Date: 05.03.2025

Place: KSR Nagar



Name and Signature of the Head of the Institution

ASHISH KUMAR SRIVASTAVA

President (Mfg.)

The Ramco Cements Limited, Kumarasamy Raja Nagar
Details of Bio Medical Waste Handled
(Period - January 2024 to December 2024)

Sl. No	Month	Weight (in kilogram) of Used Linen & Dressing material (Yellow)	Weight (in kilogram) of Used Disposable Syringes (without needles & fixed needle syringes) & Intravenous sets (Red)	Weight (in kilogram) of Used Needles, needles from needle tip cutter & blades (White)	Weight (in kilogram) of Broken or discarded glass medicine vials & Ampoules (Blue)
1	Jan-24	14.607	3.764	0.96	1.951
2	Feb-24	14.148	5.348	3.895	2.536
3	Mar-24	18.108	2.233	2.035	3.507
4	Apr-24	15.065	2.142	2.595	2.052
5	May-24	16.842	3.75	1.096	0.733
6	Jun-24	13.605	1.489	3.271	2.507
7	Jul-24	8.922	5.47	2.065	1.598
8	Aug-24	10.186	9.62	0.642	2.649
9	Sep-24	14.15	11.458	2.239	4.007
10	Oct-24	13.36	8.811	1.289	3.429
11	Nov-24	6.153	4.93	0.963	1.091
12	Dec-24	11.549	7.403	1.433	1.734
	Grand Total	156.695	66.418	22.483	27.794
	Monthly average	13.058	5.535	1.874	2.316