MY HOME GROUP

Sree Jayajothi Cements Private Limited

MAHA CEMENT
BUILD IT STRONG

Ref: SJCPL /ENV /2023-24.

Date: 08.09.2023

To,
The Environmental Engineer,
AP Pollution Control Board, Regional Office,
3rd Floor, Dr. YSR Paryavaran Bhavan,
Venkata Ramana colony,
Road No.2, Labour Colony,
Kurnool – 518 002

Sub: - Yanakandla Limestone Mine Environmental Statement for the Financial Year 2022- 2023.

Dear Sir,

With reference to the above subject, please find enclosed herewith the Yanakandla Limestone Mine of Sree Jayajothi Cements Private Limited Environmental Statement in Form-V for the financial year ending 31st March 2023 as required under the Environment Protection Rules 1986.

This is for your kind information and records please.

Thanking you,

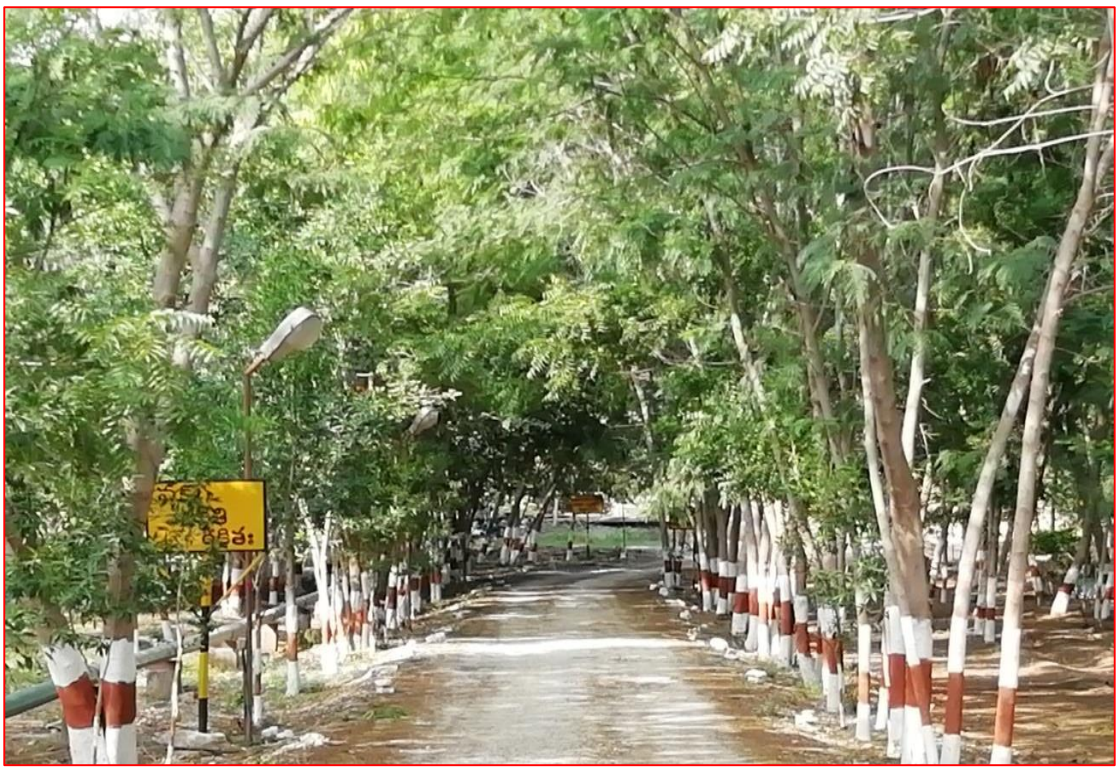
Yours faithfully,
For **Sree Jayajothi Cements Private Limited**

BC Gurivireddy

B. C. Gurivi Reddy
Sr. Vice President (Works)

CC To: **The Member Secretary,**
Andhra Pradesh Pollution Control Board,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road, Gurunanak Colony,
Autonagar, Vijayawada-520007

YANAKANDLA LIMESTONE MINE
(Lime Stone – 3.0 Million TPA)
ENVIRONMENTAL STATEMENT (FORM-V)
FOR FINANCIAL YEAR 2022-2023



M/s. SREE JAYAJOTHI CEMENTS PRIVATE LIMITED

(AN ISO 9001:2015, 14001:2015, 50001:2018 & OHSAS 45001:2018 Certified Company)

Sri Nagar, Yanakandla Village, Banaganapalle (Mandal),

Nandyal (District), Andhra Pradesh – 518124

ENVIRONMENTAL STATEMENT FORM – V

(See rule 14)

Environmental Statement for the financial year ending 31st March 2023

PART – A

i) Name and address of the owner/
Occupier of the industry operation: **Sri. Chandra Shekhar Pandey**
Director-Operations
M/s. SREE JAYAJOTHI CEMENTS PRIVATE LIMITED
(YANAKANDLA LIMESTONE MINING)
Yanakandla Village,
Banaganapalle Mandal, Nandyal District,
Andhra Pradesh – 518 124.

Operation or Process

ii) Industry Category : Red Category

iii) Production capacity of units:

Capacity of Lime Stone : 3.0 Million TPA

iv) Date of last Environment statement submitted: 03.09.2022

(For the year 2021-22)

PART B

WATER AND RAW MATERIAL CONSUMPTION

Water consumption (m^3/day) As per Consent

Process /Cooling : 70 m^3/day

Domestic : 5 m^3/day

Total water consumption for 2022-23 : 4783 KL

Name of the products	Water consumption per unit of products (KL/MT)	
	During the previous financial year (2021-2022)	During the current financial year (2022-2023)
Lime Stone	0.0021 KL/MT	0.0028 KL/MT

2. Raw Material Consumption

Limestone Production for 2022-23: 1655000.00 MT

S.NO	Name of the Raw Material	Name of the Product	Consumption of Raw Material per unit of out put	
			During the previous financial year 2021-2022	During current financial year 2022-2023
1	Lime stone	Tonne of Lime Stone	Not applicable	Not applicable

PART C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT

(Parameter as specified in the consent issued)

Pollutants	Concentrations of pollutants in discharges 2021-2022	Concentrations of pollutants in discharges 2022-2023	Percentage of variation from prescribed standards with reasons
a) Water	Not applicable - There is no wastewater generation from mining activities. Domestic wastewater is treated in septic tank followed by soak pit.		
b) Air	There is no point source emission at Mines. Ambient Air Quality monitoring data is given in **Annexure-I**		

PART - D

HAZARDOUS WASTE

As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

Hazardous waste	Total quantity (Kg/ton)	
	During the previous financial year (2021-2022)	During the current financial year (2022-2023)
From process	Nil	Nil
From pollution control facilities	Nil	Nil

PART – E
SOLID WASTES

S. No	Solid Waste	Total Quantity	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
1.	From Process	Nil	Nil
2.	From Pollution Control Facilities	Nil	Nil
3	Quantity recycled or re-utilized within the unit.	Nil	Nil

PART – F

PLEASE SPECIFY THE CHARACTERISTICS (IN TERMS OF CONCENTRATION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATES DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES

There is no overburden (solid waste) generation in the present mining lease. Mining activities do not generate any hazardous wastes.

PART – G

IMPACT OF THE POLLUTION CONTROL MEASURES ON CONSERVATION OF NATURAL RESOURCES AND CONSEQUENTLY ON THE COST OF PRODUCTION.

Pollution Control measures in Mines

(a) Drilling : Minimizing the generation of dust by using sharp drill bits, and Dust suppression by wet drilling (Water injection system)

(b) Blasting : Controlling size of blast and blasting only in wind direction. Air blast and noise minimized by optimizing all the blast parameters and by using the Non-electric initiation system.

(c) Loading: Muck pile wetting system before loading the blasted muck.

(d) Transportation: Regular watering of haul roads to suppress dust by using 17K.L water tanker and with sprinklers. Provided nose filters to all employers.

(e) Crushing: Providing high capacity dust collectors (Bag filters) in crushers and at every transfer points of belt conveyors, water spray arrangements on all conveyors and covering the belt conveyors with hood. Dry fog system arrangements made at dump hopper to reduce the dust emission while unloading the material.

PART-H

ADDITIONAL INVESTMENT FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION.

Greenbelt was developed in an area of about 0.6 Ha with 640 numbers of plantations in and around the mines area and 4.0 ha. With 3293 number of plantations in Cement plant area and we have Spent Rs.48.0 Lakhs in 2022-23 for greenbelt maintenance for plant and mines.

PART-I

Any other particulars for improving the quality of the environment.

1. CAAQMS station installed at Mines office station and connected to CPCPB and APPCB websites.
2. Automatic water sprinklers are installed at Mines haul roads
3. CC roads have been laid to control fugitive dust emission.
4. Weather protection covering sheds were provided at all raw materials conveying transfer points to control fugitive dust.
5. Dry fog system installed at Crusher dump hopper to reduce fugitive dust emission.
6. Reduction in water consumption by installing dry fog system at Crusher Dump hopper.
7. Installation of Wall curtains around the raw material sheds.
8. Installations of water spray system at stacker boom to suppress the fugitive dust.
9. We have provided atomized water sprinklers in coal yard, slag yard for dust suppression
10. Road sweepers & vacuum cleaner is deployed and good housekeeping is being maintained for controlling secondary fugitive dust emissions
11. Maintaining speed-limit of vehicle @20 Km/Hr for controlling fugitive dust.
12. Yanakandla Limestone Mine has been developed systematically to enable and implement the concept of Rainwater Harvesting with a capacity of 2, 50, 000 m3.
13. Success in efforts of ensuring accident free working conditions for workers.
14. Sree Jayajothi Cements Private Limited has spent about Rs. **1,24,95,000.00** towards welfare & community development activities (CSR) in the nearby villages during the financial year 2022 -23

Environmental Campaign & Awareness:

Every year Mines Environment and mineral conservation week is being celebrated and in the year 2022

We have celebrated in Yanakandla Mines premises. On the occasion of Mines Environment and mineral conservation day, all employees and workers gathered in Mines office. The environment pledge was being taken by all for environment conservation and continuous efforts to make a green and healthy environment.

On the occasion of Mines Environment and mineral conservation week day various environment related competitions are organized for company staff, workers in plant and Mines for colony children. Competitions like Environment drawings, slogans, essay writing etc. The main objective behind organizing these competitions is to make aware people about the environment consequence & its conservations. The winners of competitions are being awarded by our Plant Head. Plantation programme was done during the program.

Glimpses of Mines Environment and mineral conservation week – 2022 Celebration

Annexure-I

Month	Ambient Air Quality Monitoring Location							
	Yanakandla Village				Hussainpuram Village			
	Parameters				Parameters			
	PM10	PM2.5	SO2	NOx	PM10	PM2.5	SO2	NOx
Apr-22	65.71	24.15	9.18	18.9	67.8	26.7	12.6	21.7
May-22	69.4	26.9	10.7	21.6	71.4	28.6	8.2	18.5
Jun-22	66.1	24.7	11.3	20.7	64.3	22.4	9.8	20.7
Jul-22	63.7	23.2	10.2	23.4	61.5	20.6	7.6	20.7
Aug-22	60.4	22.2	9.6	19.3	65.2	24.7	10.6	21.3
Sept-22	64.9	23.8	11.6	21.8	61.7	21	8.7	18.3
Oct-22	66.52	24.77	10.66	22.42	63.08	22.92	9.04	19.31
Nov-22	62.19	21.84	8.82	19.27	65.38	23.7	11.29	23.05
Dec-22	58.47	18.29	9.16	20.67	62.6	21.75	10.44	22.29
Jan-23	61.71	21.32	10.05	21.74	63.29	24.45	12.28	23.69
Feb-23	57.84	22.05	8.37	18.26	66.9	25.81	11.48	21.92
Mar-23	59.41	23.58	9.62	19.35	63.25	24.71	10.81	22.75
Min	**57.84**	**18.29**	**8.37**	**18.26**	**61.5**	**20.6**	**7.6**	**18.3**
Max	**69.4**	**26.9**	**11.6**	**23.4**	**71.4**	**28.6**	**12.6**	**23.69**
Avg	**63.1**	**22.9**	**9.9**	**20.6**	**64.7**	**23.9**	**10.2**	**21.**

Month	Ambient Air Quality Monitoring Location							
	Erragudi Village				Palkur Village			
	Parameters				Parameters			
	PM10	PM2.5	SO2	NOx	PM10	PM2.5	SO2	NOx
Apr-22	50.28	17.5	6.7	15.64	71.95	28.4	11.5	23.37
May-22	45.8	16.3	7.55	16.9	75.7	31.2	13.3	26.5
Jun-22	48.1	19.1	8.4	17.7	70.6	29.3	12.3	24.9
Jul-22	46.8	17.2	6.5	15.9	73.9	31.2	13.4	26.5
Aug-22	43.8	15.6	7.4	17.8	75.6	33.4	12.8	25.4
Sept-22	47.1	17.6	6	16.2	73.7	31.9	10.7	22.5
Oct-22	49.7	18.24	7.15	17.46	71.29	30.15	12.42	24.78
Nov-22	54.25	20.66	6.7	16.51	74.56	32.17	13.05	26.19
Dec-22	51.68	17.29	7.72	18.35	72.16	30.35	11.92	24.6
Jan-23	54.2	19.42	8.15	16.98	69.78	28.66	10.37	22.81
Feb-23	51.62	17.29	7.36	18.98	67.48	26.92	12.44	24.05
Mar-23	49.68	16.35	6.4	16.81	70.55	28.24	11.72	22.95
Min	**43.8**	**15.6**	**6**	**15.64**	**67.48**	**26.92**	**10.37**	**22.5**
Max	**54.25**	**20.66**	**8.4**	**18.98**	**75.7**	**33.4**	**13.4**	**26.5**
Avg	**49.4**	**17.7**	**7.1**	**17.1**	**72.1**	**30.1**	**12.1**	**24.5**

Month	Ambient Air Quality Monitoring Location							
	Banganapalle Village				Nandavaram Village			
	Parameters				Parameters			
	PM10	PM2.5	SO2	NOx	PM10	PM2.5	SO2	NOx
Apr-22	68.7	26.3	10.5	23.8	62.54	24.9	8.6	18.9
May-22	70.3	28.4	12.4	25.7	58.4	22.9	9.4	20.5
Jun-22	68.4	26.7	10.3	22.6	60.9	23.3	7.9	19.7
Jul-22	66.9	25.6	11.8	23.9	64.3	21.9	8.6	21.08
Aug-22	63.1	22.7	10.4	21.7	58.2	19.5	9.3	20.4
Sept-22	60.4	21.6	9.5	20.4	54.3	18.72	10.4	22.6
Oct-22	65.27	24.42	11.56	22.47	56.12	20.35	8.4	19.21
Nov-22	68.16	26.59	12.08	23.27	59.67	22.01	7.99	20.47
Dec-22	69.47	27.26	11.7	24.65	61.52	23.75	8.64	17.87
Jan-23	66.01	25.72	12.44	25.92	56.41	19.57	7.14	16.49
Feb-23	57.82	20.47	10.95	22.75	52.15	18.36	6.27	15.42
Mar-23	65.17	25.92	12.56	24.36	56.26	21.93	8.43	18.32
Min	**57.82**	**20.47**	**9.5**	**20.4**	**52.15**	**18.36**	**6.27**	**15.42**
Max	**70.3**	**28.4**	**12.56**	**25.92**	**64.3**	**24.9**	**10.4**	**22.6**
Avg	**65.8**	**25.1**	**11.3**	**23.4**	**58.3**	**21.4**	**8.4**	**19.2**

Month	Ambient Air Quality Monitoring Location							
	Yagantipalle Village				Venkatapuram Village			
	Parameters				Parameters			
	PM10	PM2.5	SO2	NOX	PM10	PM2.5	SO2	NOX
Apr-22	57.67	16.3	7.7	19.6	60.21	23.6	11.3	24.5
May-22	60.3	22.6	8.7	18.05	55.4	20.6	9.5	21.25
Jun-22	56.9	21.3	10.3	20.4	50.12	17.3	8.8	16.4
Jul-22	59.4	22.2	10.5	22.87	53.7	20.2	9.6	19.3
Aug-22	54.6	20.6	8.2	19.7	50.1	18.5	7.5	18
Sept-22	60.3	23.4	11.5	21.8	57	20.6	8.2	29.3
Oct-22	58.49	21.98	10.34	18.74	53.16	18.25	6.82	17.04
Nov-22	60.74	23.59	11.08	21.71	55.28	19.78	9.33	18.64
Dec-22	63.15	24.24	7.32	18.05	57.56	20.36	8.04	16.42
Jan-23	60.76	22.56	10.37	21.82	54.4	17.69	9.24	18.41
Feb-23	65.18	25.39	8.42	18.94	59.27	20.34	11.42	20.56
Mar-23	60.77	22.6	9.84	19.32	54.38	17.61	7.34	17.05
Min	**54.6**	**16.3**	**7.32**	**18.05**	**50.1**	**17.3**	**6.82**	**16.4**
Max	**65.18**	**25.39**	**11.5**	**22.87**	**60.21**	**23.6**	**11.42**	**29.3**
Avg	**59.8**	**22.2**	**9.5**	**20.0**	**55.0**	**19.5**	**8.9**	**19.7**

Month	Ambient Air Quality Monitoring Location							
	Gollagutta Village				Patapadu Village			
	Parameters				Parameters			
	PM10	PM2.5	SO2	NOx	PM10	PM2.5	SO2	NOx
Apr-22	64.28	24.9	9.8	20.4	64.28	21.5	8.4	18.3
May-22	67.3	26.5	11.2	23.4	67.3	19.6	9.5	20.2
Jun-22	69.7	28.4	7.9	18.6	69.7	23.6	10.3	20.7
Jul-22	67.5	25.3	8.4	20.9	67.5	22.6	9.6	21.8
Aug-22	65.8	23.7	9.6	18.2	65.8	18.4	8.6	16.5
Sept-22	62.2	21.3	12.3	22.3	62.2	16	10.7	20.2
Oct-22	60.14	20.22	10.98	20.56	60.14	18.12	7.45	17.97
Nov-22	56.39	17.12	8.25	16.47	56.39	20.32	9.45	20.24
Dec-22	51.76	19.28	6.49	15.36	51.76	24.51	8.69	19.7
Jan-23	53.12	16.68	7.84	18.29	53.12	22.37	10.46	21.83
Feb-23	56.34	19.26	9.59	20.22	56.34	20.81	8.84	17.35
Mar-23	58.17	21.75	21.75	18.6	58.17	23.65	23.65	19.41
Min	**51.76**	**16.68**	**6.49**	**15.36**	**51.76**	**16**	**7.45**	**16.5**
Max	**69.7**	**28.4**	**21.75**	**23.4**	**69.7**	**24.51**	**23.65**	**21.83**
Avg	**61.0**	**22.0**	**10.3**	**19.4**	**61.0**	**20.9**	**10.4**	**19.5**

Month	Ambient Air Quality Monitoring Location			
	Mines Office Building			
	Parameters			
	PM10	PM2.5	SO2	NOx
Apr-22	72.8	29.6	11.9	23.8
May-22	74.4	31.5	10.7	21.6
Jun-22	76.5	33.6	13.4	25.2
Jul-22	74.6	32.3	12.05	23.1
Aug-22	72.6	30.4	10.7	21.2
Sept-22	76.3	32.1	9.02	18.1
Oct-22	73.17	30.26	11.57	23.25
Nov-22	76.61	33.75	10.22	21.18
Dec-22	73.75	31.39	12.67	24.96
Jan-23	68.42	28.33	11.52	23.05
Feb-23	65.29	24.77	10.42	21.22
Mar-23	61.46	22.8	22.8	23.52
Min	**61.46**	**22.8**	**9.02**	**18.1**
Max	**76.61**	**33.75**	**22.8**	**25.2**
Avg	**72.1**	**30.0**	**12.2**	**22.5**

Annexire-II

Rain Water Harvesting Pit

Annexure- III

Green Belt Development at Mines