

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: - Nandavaram Limekankar Quarry Lease-2 (6.617 Ha) Environmental Statement for the
Financial Year 2022- 2023 - reg

Dear Sir,


With reference to the above subject, please find enclosed herewith the Nandavaram
Limekankar Quarry Lease -2 (6.617 Ha) 0.1 MTPA 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

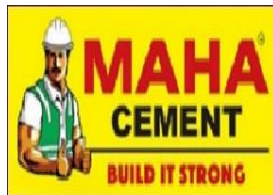

B. C. Gurivi Reddy
Sr. Vice President (Works)

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

NANDAVARAM QUARRY LEASE- 6.617 Ha

(Limekankar– 0.1 Million TPA)

**ENVIRONMENTAL STATEMENT (FORM-V)
FOR FINANCIAL YEAR 2022-23**



**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. M/s. Sree Jayajothi Cements Private Limited
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 Limekankar : 0.1 Million TPA

PART B

WATER AND RAW MATERIAL CONSUMPTION

Water consumption (m³/day) as per CFO

Process /Cooling : 3 m³/day

Domestic : 2 m³/day

Greenbelt & Dust suppression : 3 m³/day

Total water consumption (2022-23) : 120 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)
Limekankar	0.00135	0.0034

2. Raw Material Consumption

Limekankar Production for 2022-23: 35,000 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	Limekankar	Tonne of Limekankar	--	-----

PART C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT

(Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged 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. 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 ASWELL AS SOLID WASTES AND INDICATES DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES

Top soil will be generated 35329.72 m3 during the mining plan period

Disposal : Shall be utilized for 20779.20 Cu.m Plantation/Greenbelt Development along the 7.5 mtrs barrier zone and remaining 14550.52 m3 shall be back filled in the 0.363 Ha of mined out area during mine development.

PART – G

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

PART – H
ADDITIONAL INVESTMENT FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION.

Necessary measures is taking to control of air pollution during mining activities

- Water sprinkling being done for dust suppression and air pollution control.
- Regular grading of haul roads and service roads to clear accumulation of loose material.
- Excavation operations will be suspended during periods of very strong winds.
- Avoiding over filling of dumpers and consequent spillage on the roads.
- The vehicles and machinery will be kept in well-maintained condition so that emissions will minimize

- Greenbelt was developed in an area of about 0.5 Ha with 500 numbers of plantations in and around the mines area during 2022-23.we will develop greenbelt in mine lease area with tall growing trees with wide leaf.
- We have Spent Rs.48 lakhs in 2022-23 for green belt development and maintenance for Plant and Mines .

PART-I

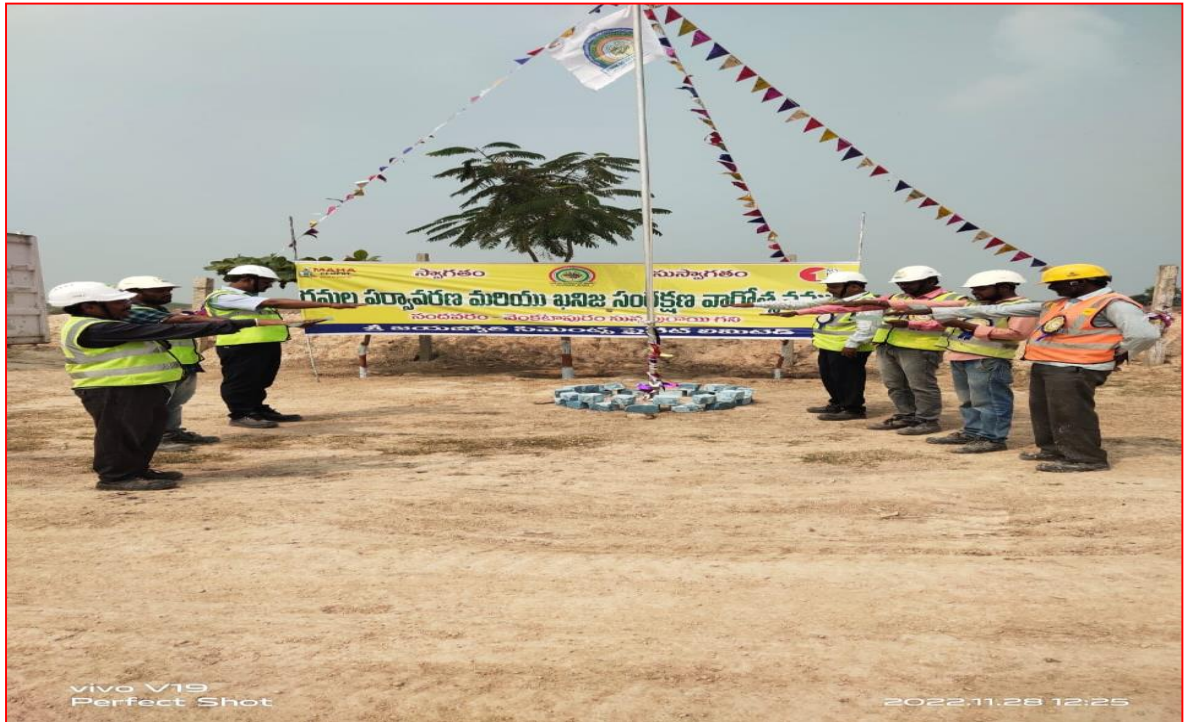
Any other particulars for improving the quality of the environment.

1. Water sprinkling is being carried out regularly on haul roads
2. Siltation pond made and water will be stored in the pit. Same is used for green belt development
3. Dry fog system installed at Crusher dump hopper to reduce fugitive dust emission.
4. Total belt conveyor is covered and dust collection hoods also provided at transfer points
5. Reduction in water consumption by installing dry fog system at Crusher Dump hopper.
6. Personnel working in dusty areas are providing with suitable PPE and adequate training and information on safety and health aspects are providing.
7. Installations of water spray system at stacker boom to suppress the fugitive dust.
8. We have provided atomized water sprinklers in coal yard, slag yard for dust suppression
9. Maintaining speed-limit of vehicle @20 Km/Hr for controlling fugitive dust.
10. Success in efforts of ensuring accident free working conditions for workers.
11. 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 Nandavaram Mines premises. On the occasion of Mines Environment and mineral conservation day, all employees and workers gathered in Nandavaram 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.



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			
	Nandavaram Village			
	Parameters			
	PM10	PM10	PM10	PM10
Apr-22	62.54	62.54	62.54	62.54
May-22	58.4	58.4	58.4	58.4
Jun-22	60.9	60.9	60.9	60.9
Jul-22	64.3	64.3	64.3	64.3
Aug-22	58.2	58.2	58.2	58.2
Sept-22	54.3	54.3	54.3	54.3
Oct-22	56.12	56.12	56.12	56.12
Nov-22	59.67	59.67	59.67	59.67
Dec-22	61.52	61.52	61.52	61.52
Jan-23	56.41	56.41	56.41	56.41
Feb-23	52.15	52.15	52.15	52.15
Mar-23	56.26	56.26	56.26	56.26
Min	52.15	52.15	52.15	52.15
Max	64.3	64.3	64.3	64.3
Avg	58.3	58.3	58.3	58.3

Green Belt Development at Mines Area



