



SAGAR CEMENTS (R) LIMITED

(A wholly owned subsidiary of SAGAR CEMENTS LIMITED)

SCRL/IMS/ENV/07

26.09.2022

To
The Environmental Engineer
AP Pollution Control Board,
Regional Office,
Anantapuramu.

Sub: Environment Statement of Gudipadu Limestone mine of M/s Sagar Cements (R) Limited for the period April 2021 to March 2022 under Environment Protection rules, 1986.

Ref: Consent Order No: APPCB/KNL/ATP/17731/HO/CFO/2021 dated 16.07.2021


Dear Sir,

We are submitting herewith Environment Statement for the period April 2021 to March 2022 for Gudipadu Limestone Mine of Sagar Cements (R) Limited located at Gudipadu village, Yadiki Mandal, Anantapuramu district in Andhra Pradesh.

This is for your kind information and office records please.

Thanking you

Yours faithfully,
For Sagar Cements (R) Limited,


E. P. Ranga Reddy
(Assist. Vice President - Works)

CC to:

1. The Deputy Director, Ministry of Environment, Forest and Climate Change, Regional Office Vijayawada.
2. The Member Secretary, Andhra Pradesh Pollution Control Board, D no 33-26-14 D/2, Near Sunrise hospital, Pushpa Hotel Centre, Chalamavari Street, Kasturibaipet, Vijayawada-520010



Registered Office : Plot No. 111, Road No.10, Jubilee Hills, Hyderabad - 500033, Telangana, India.

Phone : +91-40-23351571, 23356572 Fax : +91-40-23356573 E-mail : info-r@sagarcements.in Website : www.sagarcements-r.in

Factory : Gudipadu Village and Post, Yadiki Mandal, Anantapur District, Andhra Pradesh - 515408. Phone: 08558-514640

CIN : U40300TG2007PLC134320 GSTIN : 36AADCB2257L3ZJ

ENVIRONMENTAL STATEMENT FORM-V

(See rule 14)

Environmental Statement for the financial year ending with 31st March

PART-A

(i)	Name and address of the owner/occupier of the industry operation or process	Mr. E. Pandu Ranga Reddy Gudipadu Limestone Mine for 1.0 MTPA limestone production of Sagar Cements (R) Limited, Gudipadu (V), Yadiki (M), Ananthapuramu (Dist) Andhra Pradesh :515408
(ii)	Industry category- Primary- Secondary-	Red category Gudipadu Limestone Mine for 1.0MTPA Limestone production
(iii)	Production capacity Units	1.0 MTPA Limestone production
(iv)	Year of establishment	23.12.2015
(v)	Date of the last Environmental Statement submitted	13.09.2021

PART-B

Water and Raw Material Consumption

(i) Water Consumption in m³/d

Dust Suppression: 10.19m³/day

Cooling: NA

Gudipadu Limestone	*Process water consumption per unit of product output	
	During the previous Financial Year (April 2020 – March 2021)	During the current Financial year (April 2021 – March 2022)
Industrial (Process)	0.000991 m ³ /T	0.00372 m ³ /T

*Water used for Dust Suppression shown as process water consumption

(ii) Raw Material Consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (April 2020 – March 2021)	During the current financial year (April 2021 – March 2022)
Limestone	Crushed Limestone	999945*	999972*

*This is an open cast mine. After blasting in the pits, Run off mine is feed to crushing unit to produce required size ore. Whatever material is fed for processing, same comes out as output.

PART-C

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

Pollutants	Quantity of pollutants discharged (mass/ day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standard with reasons.
(a) Water	Nil	Waste water generated from office toilets is disposed in soak pit followed by septic tank. There is no workshop in mining hence there is no waste water generating from mining operation	Nil
(b) Air	There is no point source emission prescribed by the board. However ambient air quality summary Report is enclosed in annexure I.		Nil

PART-D

Hazardous Wastes

[as specified under hazardous wastes (Management & Handling rules,1989)].

Hazardous Waste	Total Quantity (Its)	
	During the Previous financial year (April 2020 – March 2021)	During the current financial year (April 2021 – March 2022)
From process	Nil	Nil
From Pollution control facilities	NA	NA

PART-E

Solid Wastes

Solid Waste	Total Quantity	
	During the Previous financial year (April 2020 – March 2021)	During the current financial year (April 2021 – March 2022)
(a) From Process (Top Soil)	Generation: 36910.82 m ³	Generation: 32037.13 m ³
(b) From Pollution control Facility	Dust collected in DE systems is recycled back to the system.	Dust collected in DE systems is recycled back to the system.
(c) Quantity recycled or reused within the unit (Top Soil)	Consumption: 46230.32m ³	Consumption: 32037.13 m ³

PART-F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous waste:

- No Hazardous waste is generated from the process.

Solid Waste:

- Solid waste as top soil generated during mining operation is directly used in greenbelt developments.

PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- The sub-grade limestone mineral is used in the manufacturing process thus conserving the natural resources.
- Development of water storage reservoirs is done to facilitate increase in water regime in mined out areas.
- Bag filter and dust suppression system provided at crusher.
- Wet drilling is done by wet drilling machine to reduce the fugitive emissions.
- All haul roads in the mining area are made up of morrum & compacted.

PART-H

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

- An amount of Rs 299960/- is spent on regular monthly monitoring of air quality, ground water quality & soil in core and buffer zone.
- Construction of Setting ponds (Garland drains with siltation tanks) around the working pit an amount of Rs.200000/- at mines
- Total 17990 no's of saplings planted in the year 2021-2022 within mine lease area.
- An amount of Rs 3495998/- is spend on Green belt development.

PART-I

Any other particulars for improving the quality of the environment.

- All the operators are provided with proper PPE to meet out air & noise pollution.
- Control blasting is in place and using of Non-Electrical Delay detonators to reduce ground vibrations.
- Periodic medical examination of employees is conducted.
- Catch drains & Siltation Ponds, rain water harvesting pit, check dams & garland drains are being constructed in phase wise manner as per the requirement around the mine pit to prevent the inrush of water into the mine.



(Signature of a person carrying out an industry
- operation or process)

Date: 26/09/22

Annexure I

Summary of Ambient Air Quality

Location: Mines Office						
Month	UOM	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	
April '2021	µg/m ³	56	26	11.2	12.4	
May'2021		Monitoring not done due to Covid-19				
June'2021		Monitoring not done due to Covid-19				
July'2021		55	28	11.9	12.4	
Aug'2021		46	21	10.1	13.6	
Sep'2021		48	22	11.4	12.8	
Oct'2021		50	21	10.3	11.6	
Nov'2021		54	22	10.2	11.4	
Dec'2021		57	24	10.7	11.9	
Jan'2022		52	22	8.7	9.8	
Feb'202		58	25	9.4	10.7	
Mar'2022		55	24	9.1	10.3	
Standard 24hrs			100	60	80	80

Location: Mine Haul road						
Month	UOM	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	
April '2021	µg/m ³	68	34	13.2	14.9	
May'2021		Monitoring not done due to Covid-19				
June'2021		Monitoring not done due to Covid-19				
July'2021		69	36	14.7	15.6	
Aug'2021		67	32	14.8	16.2	
Sep'2021		65	30	13.9	15.2	
Oct'2021		64	31	10.8	12.1	
Nov'2021		63	24	10.7	12.0	
Dec'2021		66	26	11.1	12.4	
Jan'2022		57	23	8.9	10.1	
Feb'202		61	25	8.4	9.7	
Mar'2022		59	24	9.5	10.8	
Standard 24hrs			100	60	80	80

Location: Rest Shelter						
Month	UOM	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	
April '2021	µg/m ³	58	29	10.9	11.8	
May'2021		Monitoring not done due to Covid-19				
June'2021		Monitoring not done due to Covid-19				
July'2021		56	29	10.4	11.2	
Aug'2021		52	28	11.4	12.8	
Sep'2021		50	24	10.4	11.6	
Oct'2021		56	26	11.6	13.4	
Nov'2021		57	24	10.7	11.9	
Dec'2021		55	22	10.1	11.4	
Jan'2022		63	24	10.9	12.1	
Feb'202		67	29	10.3	11.8	
Mar'2022		65	26	11.3	12.7	
Standard 24hrs			100	60	80	80