



SAGAR CEMENTS (R) LIMITED

(A wholly owned subsidiary of SAGAR CEMENTS LIMITED)

SCL/IMS/ENV/07

26.09.2022

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

Sub: Environment Statement of M/s Sagar Cements R Ltd for the period April 2021 to March 2022 under Environment Protection rules, 1986.

Ref: 1. Consent Order No. APPCB/KNL/ATP/17731/HO/CFO/2020 dated 14.12.2020


Dear Sir,

We are submitting herewith Environment Statement for the period April 2021 to March 2022 for Cement plant unit of M/s 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, Ananthapur 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 M/s. Sagar Cements R Limited, Gudipadu (V) , Yadiki (M), Ananthapuramu (Dist) Andhra Pradesh - -515408
(ii)	Industry category- Primary- Secondary-	Red category Cement Clinker
(iii)	Production capacity Units	Cement - 0.95 Million TPA Clinker - 0.75 Million TPA
(iv)	Year of establishment	2008
(v)	Date of the last Environmental Statement submitted	13.09.2021

PART-B

Water and Raw Material Consumption

(i) Water Consumption in m³/d

Process: Not Applicable (As plant is based on Dry Process technology)

Cooling (Cement mill spray + Cooler spray): 90.94m³/day

Domestic (Industrial) : 26.57m³/day

Name of Products	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)
Cement	0.066m ³ /Ton	0.0358m ³ /Ton

(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)
Lime Stone	Clinker	1.388	1.375
Bauxite		0	0
Total Laterite		0.074	0.073
Iron ore		0.026	0.026
Total Coal		0.106	0.117
Red mud		0.014	0.009
Bed Ash		0.003	0.0002
Dolomite		0	0.003

Blast Furnace Slag for PSC Cement	PSC Cement	0.549	0.521
Limestone (P.I) in OPC	OPC Cement	0.040	0.038
Total Gypsum (received basis) for OPC		0.0391	0.0481
Fly Ash for PPC	PPC Cement	0.321	0.3365

PART-C

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

Pollutants	Quantity of pollutants discharged in kg/day	Concentration of pollutants discharged (mg/l)	Percentage of variation from prescribed standard with reasons.
(a) Water			
Effluent Water: There is no effluent generation from Cement Manufacturing Process			
Domestic Sewage Treated Water: Details are mentioned as under			
pH	NA	7.09	Within the limit
Oil & Grease	<0.0835	<1.0	-90.00%
Total dissolved solids	76.09	911.33	-56.60%
BOD	0.528	6.33	-78.88%
COD	1.920	23	-90.8%
Fecal coliform	-NA-	362.	Within the limit
Pollutants	Quantity of pollutants discharged in (Tons/day)	Concentration of pollutants discharged (mg/Nm ³)	Percentage of variation from prescribed standard with reasons.

(b) Air point Source emission			
Raw mill & Kiln			
PM	0.089	13.44	-55.20%
SO ₂	0.002	0.35	-99.65%
NO _x	2.294	339.21	-57.59%
Cooler			
PM	0.087	17.56	-41.46%
Coal Mill			
PM	0.0040	16.46	-45.13%
Cement Mill			
PM	0.0098	15.65	-47.86%

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)
Used Oil	4869 Litres	6358 litres
Waste containing residue (Grease)	2720 kgs	2300 kgs

PART-E
Solid Wastes

Solid Waste	Total Quantity	
	During the Previous financial year (April 2020 – March 2021)	During the Previous financial year (April 2021 – March 2022)
(a) From Process	Nil	Nil
(b) From Pollution control Facility	Dust collected in ESPs, Baghouses and DE systems are recycled back to the system	
(c) Quantity recycled or reused within the unit	Dust collected in ESPs, Baghouses and DE systems are recycled back to the system	

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:

- Cement Plant manufacturing is based on Dry Process technology. No Hazardous waste is generated from the process except used oil & waste grease which is generated from machineries and it is sent to authorize recycler/used in-house.
- The gross calorific value of used oil / grease is in range of 6000-7000 Kcal/kg and it consists of mainly Hydrocarbons.

Solid Waste:

The various wastes are generated from packaging, rejection of old, during replacement activities etc are given below:

S No	Name of the waste*	Qty sold to recycler / reuse / buy back
1	Plastic Bags & Plastic Wrappers	21.02 Tons
2.	Lead Acid Batteries	74.0 no's
3.	E Waste	0.72 Tons
4.	Belt Scrap	6.56 Tons
5.	Waste Refractory bricks	269.62 Tons
6.	MS Scrap	86.96 Tons

*The Solid waste details are generated from Cement Plant, CPP & Captive Mines.

PART-G

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

M/s Sagar Cements (R) Ltd is being operated on dry process technology, which is cost effective and environmentally clean technology. The advantage of dry process is also in fuel economy.

- To emphasis on conservation of natural resources and to reduce the disposal problems of the waste from other units like Pharmaceuticals etc., a total 1192.00tons of hazardous waste is utilized in the year 2021-2022.
- Used Oil of quantity 3039 litres & waste grease of quantity 1930kgs consumed within the industry premise as lubricants to chains etc.
- The Colony domestic waste water is treated in a sewage treatment plant and treated used for green belt thus reducing the fresh water consumption required for green belt at colony.
- All pollution control equipment's are working with higher efficiency, the maximum portion of materials collected in APCD's are recycled and used in process, thus conserving raw material and reducing dust emission.
- Utilization of low grade limestone from mine is used for cement manufacturing process and thereby conserving the mineral and increasing the mine life.

PART-H

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

- All main & internal roads are concreted to avoid fugitive emissions.
- Water sprinkling system provided at road side at both cement & power plant to reduce fugitive emissions.
- Green development is our ongoing process within our plant area. In the year 2021-2022 a total of 1895 including Cement plant, Captive power plant and colony area.
- During the financial year 2021-22, total cost of Rs.4283523/- spent for environment monitoring, protection measures for both cement & power plant.

PART-I

Any other particulars for improving the quality of the environment.

- Periodic Monitoring of Stack emissions, Air and Water parameters
- Celebration of Environment Day for environment awareness among employees and contract workman within the plant premises.
- The company obtained IMS Certification (ISO 9001:2015, ISO14001:2015 & ISO 45001:2018, ISO 50001:2018)



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

Date: 26/9/22