



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: Consent Order No: APPCB/KNL/ATP/17731/CFO&HWM/HO/2021 dated 29.04.2021

Dear Sir,

We are submitting herewith Environment Statement for the period April 2021 to March 2022 for Captive Power 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



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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 Captive Power Generation --
(iii)	Production capacity Units	25 MW Captive Power Plant
(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: 39.03 m³/day

Cooling: 40.69 m³/day

Captive Power Plant	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)	0.264m ³ /MWH	0.1784 m ³ /MWH
Industrial (Cooling)	0.200 m ³ /MWH	0.1860 m ³ /MWH

(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)
Coal	Power Generation, MWH	0.694T/MWH	0.7398 T/MWH

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	Zero Discharge	Waste water generated from RO Plant, Cooling tower blow down is collected in common pond, where neutralization takes place. The Treated water used for Dust Suppression / Green Belt.	Nil
(b) Air Point Source Emission			
PM	0.094 Tons/day	24.97 mg/Nm ³	-50.06%
SO ₂	1.003 Tons/day	309.35 mg/Nm ³	-48.44%
NO _X	0.547 Tons/day	86.01 mg/Nm ³	-80.88%

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/waste Oil	210	802
Waste Grease	0	0

PART-E

Solid Wastes

Solid Waste	Total Quantity	
	During the Previous financial Yr. (April 2020 – March 2021)	During the Previous financial Yr. (April 2021 – March 2022)
(a) From Process	Bed ash Generation:1550T	Bed ash Generation:0 T
(b) From Pollution control Facility	Fly ash Generation: 11484T	Fly ash Generation: 14127.54T
(c) Quantity recycled or reused within the unit	Bed ash reused within the unit for cement plant:1340T Fly ash reused within the unit for cement plant:11457T	Bed ash reused within the unit for cement plant:161T Fly ash reused within the unit for cement plant: 14358.76T

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 except used oil (802 Litres) & waste grease (0 kg's) which is generated from machineries. Out of 802 Litres 592 litres consumed internally as lubricants & sold 210 litres to authorized party

Solid Waste:

- Ash generated from Captive Power Plant is used within the premises for captive cement plant. (Generation and disposal quantities mentioned in Part-E)

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 captive power plant on environment friendly technology i.e. installed Air cool condenser instead of water cooled condenser and provided dry ash handling system. The stack emission is controlled by ESP. Bag filters installed at various points to mitigate the fugitive emissions generated from transfer points. The ash collected from the pollution control facility is used in the process of existing cement plant, thus 100% ash utilization is being taken place.

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 provide at main roads of CPP to avoid road dust emission.
- 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.

- Monitoring of Stack emissions, Air and Water quality is being done regularly.
- Celebration of Environment Day for environment awareness among employees and contract workman within the plant premises.
- To reduce the road dust emissions further, we have mobile water tanker and sweeping machine for regular cleaning of roads.
- The company obtained IMS Certification (ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 & ISO 50001:2018).
- We are maintaining Zero liquid discharge from our premises.

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



Date: 26/9/22