SAGAR CEMENTS (R) LIMITED

(A wholly owned subsidiary of SAGAR CEMENTS LIMITED)
(formerly known as BMM CEMENTS LIMITED)

SCL/IMS/ENV/07 21.06.2023

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 2022 to March 2023 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 2022 to March 2023 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, AndhraPradesh Pollution Control Board, D no 33-26-14 D/2, Near Sunrise hospital, Pushpa Hotel Centre, Chalamavari Street, Kasturibaipet, Vijayawada-520010

A.P. Pollution Control Board, Regional Office ★ ANANTAPURAM Dt: 23/06/2023

ENIVIRONMENTAL 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	26.09.2022

PART-B

Water and Raw Material Consumption

(i) Water Consumption in m^3/d

Process: 52.214 m^3/day
Cooling: 59.486 m^3/day
Domestic: 4.142 m^3/day

Captive Power Plant	Process water consumption per unit of product output	
	During the previous Financial Year (April 2021 – March 2022)	During the current Financial year (April 2022 – March 2023)
Industrial (Process)	0.1784 m^3/MWH	0.1374 m^3/MWH
Industrial (Cooling)	0.1860 m^3/MWH	0.1565 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 2021 – March 2022)	During the current financial year (April 2022 – March 2023)
Coal	Power Generation, MWH	0.7398 T/MWH	0.8225 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			
BOD	0.109 kg/day	4.0 mg/l	-96.00
(b) Air Point Source Emission			
PM	0.114 Tons/day	Avg: 20.14 mg/Nm^3	-57.33%
SO2	1.920 Tons/day	Avg:378.85 mg/Nm^3	-40.19%
NO_X	0.390 Tons/day	Avg:70.47 mg/Nm^3	-83.79
Hg	-	BDL	-100%

PART-D
Hazardous Wastes

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

Hazardous Waste	Total Quantity (lts)	
	During the Previous financial year (April 2021 – March 2022)	During the current financial year (April 2022 – March 2023)
Used/waste Oil	802	210
Waste Grease	0	0

PART-E
Solid Wastes

Solid Waste	Total Quantity	
	During the Previous financial Yr. (April 2021 – March 2022)	During the Previous financial Yr. (April 2022 – March 2023)
(a) From Process	Bed ash Generation:0 T	Bed ash Generation:4969 MT
(b) From Pollution control Facility	Fly ash Generation: 14127.54T	Fly ash Generation: 13842
(c) Quantity recycled or reused within the unit	Bed ash reused within the unit for cement plant:161T Fly ash reused within the unit for cement plant: 14358.76T	Bed ash reused within the unit for cement plant:1628 MT Fly ash reused within the unit for cement plant: 14157.52 MT

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 (210 Litres) & waste grease (0 kg's) which is generated from machineries. The total used oil

generated is consumed internally as co processing in cement plant.

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 2022-2023 a total of 400 saplings planted at captive power plant area.
- During the financial year 2022-23, total cost of Rs.1267980/- 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: 21/6/23