



SAGAR CEMENTS (R) LIMITED

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

SCRL/IMS/ENV/07

13.09.2021

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 2020 to March 2021 under Environment Protection rules, 1986.

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

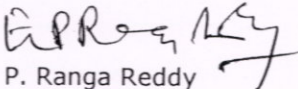
Dear Sir,

We are submitting herewith Environment Statement for the period April 2020 to March 2021 for Captive Power plant unit of M/s Sagar Cements R Ltd 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.

Phone : +91-40-23351571, 23356572 Fax : +91-40-23356573 info-r@sagarcements.in www.sagarcements-r.in CIN: U40300TG2007PLC134320

Factory: Gudipadu Village and Post, Yadiki Mandal, Ananthapur District, Andhra Pradesh-515408, Phone: 08558-200272

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	28.09.2020

PART-B

Water and Raw Material Consumption

(i) Water Consumption in m³/d

Process: 52.30 m³/day

Cooling: 39.70 m³/day

Captive Power Plant	Process water consumption per unit of product output	
	During the previous Financial Year (April 2019 – March 2020)	During the current Financial year (April 2020 – March 2021)
Industrial (Process)	0.230m ³ /MWH	0.264m ³ /MWH
Industrial (Cooling)	0.214m ³ /MWH	0.200 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 2019 – March 2020)	During the current financial year (April 2020 – March 2021)
Coal	Power Generation, MWH	0.652T/MWH	0.694T/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	Reports are 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 2019 – March 2020)	During the current financial year (April 2020 – March 2021)
Used/waste Oil	300	210
Waste Grease	11.5kg	0

PART-E Solid Wastes

Solid Waste	Total Quantity	
	During the Previous financial Yr. (April 2019 – March 2020)	During the Previous financial Yr. (April 2020 – March 2021)
(a) From Process	Bed ash Generation:3713T	Bed ash Generation:1550T
(b) From Pollution control Facility	Fly ash Generation: 16308T	Fly ash Generation: 11484T
(c) Quantity recycled or reused within the unit	Bed ash reused within the unit for cement plant:3353T Fly ash reused within the unit for cement plant:16158T	Bed ash reused within the unit for cement plant:1340T Fly ash reused within the unit for cement plant:11457T

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:

- o No Hazardous waste is generated from the process except used oil (210Litres) & waste grease (0 kg's) which is generated from machineries and it is used in-house only.

Solid Waste:

- Fly ash and Bed ash are 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

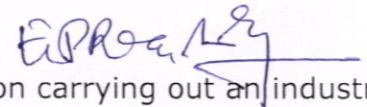
Additional measures/investment proposal for environmental protection including abatement of pollution/prevention of pollution.

- 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 2020-2021 a total of 9040 including Cement plant, Captive power plant and colony areas.
- During the financial year 2020-21, revenue cost of Rs.2499548/- spent for environment monitoring, protection measures & renewal of CFO.

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: 13/09/21

ANNEXURE I

Summary of monitoring reports

Location: CPP South Direction (Ambient Air quality)						
Month	UOM	PM₁₀	PM_{2.5}	SO₂	NO₂	
April '2020	µg/m ³	Monitoring not done due to Covid-19 lockdown				
May'2020		Monitoring not done due to Covid-19 lockdown				
June'2020		61	30	12.6	14.3	
July'2020		72	36	16.8	18.2	
Aug'2020		68	36	12.4	14.6	
Sep'2020		72	38	14.4	16.2	
Oct'2020		78	38	18.4	20.8	
Nov'2020		71	34	14.8	16.2	
Dec'2020		72	44	15.2	17.6	
Jan'2021		74	41	16.8	18.4	
Feb'2021		76	42	18.8	20.2	
Mar'2021		79	41	18.2	20.8	
Standard 24hrs			100	60	80	80

Location: West Direction (Ambient Air quality)						
Month	UOM	PM₁₀	PM_{2.5}	SO₂	NO₂	
April '2020	µg/m ³	Monitoring not done due to Covid-19 lockdown				
May'2020		Monitoring not done due to Covid-19 lockdown				
June'2020		74	34	15.1	17.4	
July'2020		68	34	12.8	14.6	
Aug'2020		62	38	10.6	12.2	
Sep'2020		64	30	11.5	14.8	
Oct'2020		64	32	13.8	16.4	
Nov'2020		66	31	12.5	14.6	
Dec'2020		79	48	12.8	14.4	
Jan'2021		82	44	18.6	20.2	
Feb'2021		86	46	20.8	22.6	
Mar'2021		84	44	20.4	22.6	
Standard 24hrs			100	60	80	80

Location: Stack Emissions					
Month	UOM	SPM	SO₂	NO_x	
April '2020	mg/Nm ³	Monitoring not done due to Covid-19 lockdown			
May'2020		Monitoring not done due to Covid-19 lockdown			
June'2020		20.8	482	78	
July'2020		18.4	462	56	
Aug'2020		20.60	448	42	
Sep'2020		16.80	482	32	
Oct'2020		17.21	448	86	
Nov'2020		24.66	375	65	
Dec'2020		28.00	361	98	
Jan'2021		16.29	320	52	
Feb'2021		21.73	364	74	
Mar'2021		21.21	365	55	
Standard			50	600	450