BMM Cements Limited
CIN : U40300KA2007PLC043746
A wholly owned subsidiary of
SAGAR CEMENTS LIMITED

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

BMM CEMENTS

A.P. Pollution Control Board, Regional Office ★ ANANTAPURAM Dt: 28/9/2020

SCRL/IMS/ENV/07

26.09.2020

To
The Environment Engineer
AP Pollution Control Board,
Regional Office, Plot no-15
Door No 4-2-740-15
BLT Rajahamsa Villas, Tirumala Nagar,
Tapovanam, apt - 515004

Sub: Environment Statement of Gudipadu Limestone mine of M/s BMM Cements Limited for the period April 2019 to March 2020 under Environment Protection rules, 1986.

Ref: Consent Order No: APPCB/KNL/ATP/17731/HO/CFO/2016 dated 22.03.2016

Dear Sir,

We are submitting herewith Environment Statement for the period April 2019 to March 2020 for Gudipadu Limestone Mine of BMM Cements 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
(Agent - Mines & AVP Works)

CC to:

1. The Additional Principal Chief Conservator of Forest (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1st and 2nd floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34
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

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SCRL/IMS/ENV/07 26.09.2020

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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 Gudipadu Limestone Mine for 1.0 MTPA limestone production of BMM Cements 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	27.09.2019

PART-B

Water and Raw Material Consumption

(i) Water Consumption in m^3/d

Dust Suppression: 1.77m^3/day
Cooling: NA

Gudipadu Limestone	*Process water consumption per unit of product output	
	During the previous Financial Year (April 2018 – March 2019)	During the current Financial year (April 2019 – March 2020)
Industrial (Process)	0.00179 m3/T	0.000646 m3/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 2018 – March 2019)	During the current financial year (April 2019 – March 2020)
Limestone	Crushed Limestone	999900*	999910*

*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	Summary Report of ambient air quality is enclosed in annexure I.		Nil

PART-D
Hazardous Wastes

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

Hazardous Waste	Total Quantity (lts)	
	During the Previous financial year (April 2018 – March 2019)	During the current financial year (April 2019 – March 2020)
From process	Nil	Nil
From Pollution control facilities	NA	NA

PART-E
Solid Wastes

Solid Waste	Total Quantity	
	During the Previous financial year (April 2018 – March 2019)	During the Previous financial year (April 2019 – March 2020)
(a) From Process (Top soil)	Generation: 11600m^3	Generation: 32437.50m^3
(b) From Pollution control Facility	Nil	Nil
(c) Quantity recycled or reused within the unit (Top soil)	Consumption:9990m^3	Consumption:9994m^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 3,66,720/- 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.1,50,000/-
- Total 3359 no's of saplings planted in the year 2019-2020
- An amount of Rs 4,60,002/- 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: 26/09/2020

Annexure I

Summary of Ambient Air Quality

Location: Mines Office					
Month	**UOM**	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**
April '2019	$\mu g/m^3$	68	33	10.8	12.2
May'2019		65	35	10.6	12.4
June'2019		62	32	10.2	12.4
July'2019		58	28	9.5	10.3
Aug'2019		51	25	10.4	11.9
Sep'2019		58	26	11.5	13.8
Oct'2019		64	36	12.8	14.6
Nov'2019		68	38	13.5	14.2
Dec'2019		78	44	14.6	16.4
Jan'2020		72	36	12.8	14.5
Feb'2020		76	38	14.8	16.4
Mar'2020		74	36	15.6	17.1
Standard 24hrs		**100**	**60**	**80**	**80**

Location: Mine Haul road					
Month	**UOM**	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**
April '2019	$\mu g/m^3$	76	36	10.7	12.8
May'2019		68	32	10.4	11.6
June'2019		68	34	10.4	11.6
July'2019		78	43	11.7	12.6
Aug'2019		67	34	13.5	15.2
Sep'2019		72	45	14.3	16.4
Oct'2019		76	44	15.6	17.4
Nov'2019		74	46	14.5	16.4
Dec'2019		86	48	15.8	18.2
Jan'2020		82	42	16.2	18.8
Feb'2020		80	41	18.6	20.6
Mar'2020		81	40	17.4	19.3
Standard 24hrs		**100**	**60**	**80**	**80**

Location: Mines working area					
Month	**UOM**	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**
April '2019	$\mu g/m^3$	70	33	10.5	11.7
May'2019		54	26	10.8	11.8
June'2019		52	26	10.8	11.8
July'2019		72	38	10.5	11.5
Aug'2019		63	32	12.9	13.7
Sep'2019		66	38	13.8	15.7
Oct'2019		70	42	14.7	16.2
Nov'2019		72	44	15.4	16.8
Dec'2019		74	42	14.6	16.4
Jan'2020		76	38	15.6	16.2
Feb'2020		78	39	16.3	18.9
Mar'2020		77	38	15.2	17.4
Standard 24hrs		**100**	**60**	**80**	**80**