



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010
Phone. No.0866-2463200, Website : https://pcb.ap.gov.in/

RED CATEGORY
CONSENT TO OPERATE ORDER

Consent Order No:1307195/APPCB/KNL/ATP/CTO/HO/2022-

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Sagar Cements (R) Limited, (After Expansion)
(Gudipadu Lime Stone Mining),
Gudipadu (V), Yadiki (M),
Anantapuramu District – 515 408
E Mail: sureshreddys@sagarcements.in

(Hereinafter referred to as 'the Applicant') authorizing to operate the industry to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below:

Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Vehicle Washings	2.0 KLD	After settling, the wastewater shall be utilized for onland for gardening within the premises.
2	Domestic waste water	3.2 KLD	Septic tank followed by soak pit.

This consent order is valid for mining of Lime stone in the total mine lease area of 454.59 Ha. to the following quantity only:

S.No	Activity	Quantity
1.	Mining of Lime stone	1.5 Million TPA

This order is subject to the provisions of the Acts and orders made thereunder and further subject to the terms and conditions incorporated in the Schedule A and B enclosed to this order.

This consent shall be valid for a period ending with the **31st day of January 2026.**

VIJAY KUMAR GSRKR IAS, MEMBER SECY(GSRKRVK), O/o MEMBER SECRETARY-APPCB

To
M/s. Sagar Cements (R) Limited,

**(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.**

Copy to :

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The EE, Regional Office, Anantapuramu for information and necessary action.

SCHEDULE – A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
9. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
10. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
11. The industry shall be liable to pay Environmental Compensation / Other

Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.

12.The industry may explore the possibility of tapping the solar energy for their energy requirements.

13.The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE – B

WATER POLLUTION:

1. The source of water is borewell. The following is the permitted water consumption:

S.No.	Purpose	Quantity
1	Process and Washings	2.0 KLD
2	Dust suppression	30.0 KLD
3	Gardening / irrigation	39.0 KLD
4	Domestic	4.0 KLD
	Total	75.0 KLD

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

2. The industry shall establish online piezometers to measure the ground water immediately.

AIR POLLUTION:

3. The applicant shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10mm) - 100 mg/ m³; PM2.5 (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

4. The industry shall provide automatic water sprinklers to control fugitive emissions.

5. The mining unit shall provide & maintain dust control systems at the transfer points in crushing area to control the dust emission.

6. The industry shall ensure that natural water course of stream existing at the edge of the mine lease area towards western side shall not be obstructed due to any mining operations. Adequate buffer zone shall be maintained on either side of the stream to protect it.

7. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.

8. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be provided. Sump capacity with adequate retention period to allow proper settling of silt material should also be

provided. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.

9. The proponent has to provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.
10. The project proponent shall take appropriate mitigative measures to prevent pollution of nearby River and other surface water body.
11. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below:
 - a. Spraying in mine pits.
 - b. Domestic purposes.

GENERAL:

12. The mining unit shall not produce beyond the permitted capacity mentioned in this order, without obtaining CTE & CTO of the Board.
13. The mining unit shall develop green belt of width 7.5 m all along the boundary of the mine lease area on OB dumps, along the roads etc., by planting the native species in consultation with the local DFO.

The mining unit has submitted Afforestation Plan to the Board on 11.05.2015, to develop greenbelt in the mine lease area till the end of mine. As per the plan, the applicant has proposed to develop greenbelt as follows:

S.No.	Year	Greenbelt area
1	1 – 5 Years	9.14 Ha.
2	6 – 10 Years	6.9 Ha.
3	11 – 15 Years	6.9 Ha.
4	16 – 20 Years	6.9 Ha.
5	21 – 25 Years	6.9 Ha.
6	26 – 30 Years	6.9 Ha.
7	30 – end of the mine	16.95 Ha.

14. The mining unit shall adopt blasting technique using shock tube and delay detonators. Dust collectors are to be provide for the drilling and water sprinkling near loading areas and while drilling.
15. The mining unit shall adopt latest blasting techniques to minimize the vibrations and dust emissions.
16. The mining unit should avoid blasting during high windy period, night times and temperature inversion periods.
17. The mining unit shall provide fixed continuous water spraying system all along the haul road from Mines to Lime stone crusher to minimize the dust emissions before commencement of mining activity.
18. Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits shall be allowed to fill the water.
19. Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.
20. The mining unit shall stack the top soil with adequate measures with proper slope at earmarked site (s) only and shall be used for plantation purpose.
21. The mining unit shall comply with the following for controlling fugitive emissions.
 - a. Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust.
 - b. To control dust from drilling operations, drilling with dust collectors/wet

drilling shall be practiced. Also drill speeds shall be regulated as per manufacturer's guidelines.

- c. Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
 - d. Overloading of transport equipment shall be prevented in order to stop spillage.
 - e. Water sprinklers shall be provided at the Limestone crusher (1200 Tons/hr) and also at the belt conveyor.
 - f. Closed conveyor system from the Limestone crusher (1200 Tons/hr) to the Cement plant for a total length of 3.2km shall be provided.
 - g. 3nos. bag filters (48 no. of bags) shall be provided at transfer points from
- 22.Limestone crusher to the Limestone stock pile.
- 22.The mining unit shall maintain s following measures to control erosion of dumps and submit the compliance.
- i. Retention/toe walls shall be provided at the foot of the dumps
 - ii. Stabilization of worked out slopes by planting appropriate shrub / grass species on the slopes.

S. No.	Name of the waste	Qty as per CFO Order dt.16.07.2021	Applied Quantity for Expansion	Disposal Option
1.	Top soil	8.54 million m ³ during the life of the mine (or) 52,072 m ³ /Annum	0.0727 Million m ³ during the life of the mine	Shall be dumped temporarily towards south - west side of the working mine pit. The industry is utilizing the top soil for afforestation within the mine lease area.

- 23.The mining unit shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
- 24.The mining unit shall carryout studies on ground vibrations due to blasting activities. Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department.
- 25.The mining unit shall submit Water Quality, AAQ, Soil quality monitoring through third party approved by MoEF&CC on monthly basis to RO, Anantapuramu & ZO, Kurnool.
- 26.The mining unit shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
- 27.The mining unit shall comply with all the directions issued by the Board from time to time.
- 28.The **industry shall comply with the following as stipulated in the EC order dt.17.08.2022**

The expansion of Limestone production from 1.0 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then, the capacity of the mine will remain upto 1.0 MTPA. New crusher and conveyor will be tested for 1.0 MTPA first and then the mine shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the to the Ministry's Regional office and to

the Board. Accordingly, SPCB shall not grant Consent to Operate (CTO) for the expansion capacity of 4.70 MTPA production.

PP shall undertake dense tree plantation of native fruit bearing species all along the safety zone (already left of 50m) on either side of nallah within three years and certify this with DFO.

The air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc., shall be installed at Crushers, and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a "bypass" road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200m) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in construction with nodal State Govt. Department.

29.The industry shall comply with the conditions stipulated in the EC order dated 12.12.2014 and CTE (Expansion) order dated 17.11.2022.

Special Conditions:

30.The mining unit shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

31.The mining unit shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

The project authority shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CFE) and Consent for Operation (CFO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the project authority and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

VIJAY KUMAR
GSRKR IAS, MEMBER
SECY(GSRKRVK), O/o
MEMBER SECRETARY-
APPCB

To
M/s. Sagar Cements (R) Limited,
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
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Phone. No.0866-2463200, Website : https://pcb.ap.gov.in/

RED CATEGORY
RENEWAL OF CONSENT ORDER

Consent Order No : APPCB/KNL/ATP/17731/HO/CFO/2021

16/07/2021

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Sagar Cements (R) Limited,
(formerly M/s. BMM Cements Limited),
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.
E Mail: vangaep@sagarcements.in

(Hereinafter referred to as 'the Applicant') authorizing to operate the industry to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below:

Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Vehicle Washings	1.0 KLD	After treatment in the ETP, the the treated water shall be used for onland for irrigation, within the premises, duly meeting the Board's standard (BOD- 100 mg/l).
2	Domestic	3.2 KLD	Septic tank followed by soak pit

This consent order is valid for mining of Lime stone in the total mine lease area of 454.59 Ha. to the following quantity only:

S.No	Activity	Quantity
1.	Mining of Lime stone	1.0 Million TPA

This order is subject to the provisions of the Acts and orders made thereunder and further subject to the terms and conditions incorporated in the Schedule A and B enclosed to this order.

This consent shall be valid for a period ending with the **31st day of January 2026.**

DR.
B.MADHUSUDHANA
RAO, JCEE(MSRB),
O/o JOINT CHIEF
ENVIRONMENTAL
ENGINEER4-APPCB

To
M/s. Sagar Cements (R) Limited,
(formerly M/s. BMM Cements Limited),
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.

Copy to :

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The EE, Regional Office, Anantapur for information and necessary action.

SCHEDULE – A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
9. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the

State Pollution Control Board.

10. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
11. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
12. The industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE – B

1. The Board vide order dated 22.03.2016 issued CFO to M/s. BMM Cements Limited for Mining of Lime Stone - 1.0 Million TPA, which was valid upto 21.01.2021. The industry applied for CFO (Renewal), for a period upto 21.01.2026, for the project cost of Rs. 30.77 Cr, with a mine lease area of 454.59 Ha. The issue was placed in the CFO Committee meeting held on 03.02.2021 and the Committee recommended to issue CFO & HWA to the industry for a period upto 31.01.2026 with time bound conditions for the non-compliances, subject to the submission of Bank Guarantee of Rs. 6 Lakhs towards compliance of the time-bound conditions for the 3 non-compliances. Now, the industry submitted an EC (amendment) for name change from M/s. BMM Cements Limited to M/s. Sagar Cements (R) Ltd. and also submitted a BG of Rs. 6 lakhs in the name of M/s. Sagar Cements (R) Ltd. The issue was again placed in the CFO Committee meeting held on 07.07.2021 and the committee recommended to issue CFO & HWA (Renewal) to the industry in the name of M/s. Sagar Cements (R) Limited duly stipulating the conditions for the non compliances.
2. The industry shall comply with the following non-compliances as mentioned in the Bank Guarantee, failing which the Bank guarantee of Rs. 6.0 Lakhs will be forfeited without any notice:
 - i. The industry has not complied with the condition that "the industry shall establish 4AAQM stations within three months in the core zone as well as in the buffer Zone for RSPM and NOX monitoring within three months and submit the compliance to the RO Kurnool." The industry shall establish 4 AAQM stations in the core zone as well as in the buffer Zone for RSPM and NOX on or before 11.10.2021.
 - ii. Not provided automatic water sprinklers to control fugitive emissions. The industry shall provide automatic water sprinklers to control fugitive emissions on or before 11.08.2021.
 - iii. Not monitoring the Ground water table levels. The industry shall establish online piezometers to measure the Ground water table immediately and shall submit the compliance report to RO, Anantapur.
3. The industry need to develop balance green belt of 339 acres. The industry shall

develop balance green belt of 339 acres in the coming monsoon.

4. Not provided the fixed continuous water spraying system all along the haul road from mines to lime stone crusher to minimize the dust emissions. The industry shall provide the fixed continuous water spraying system all along the haul road from mines to lime stone crusher to minimize the dust emissions by 23.07.2021.

WATER POLLUTION:

2. The source of water is bore well. The following is the permitted water consumption:

S.No.	Purpose	Quantity
1	Process and Washings	1.0 KLD
2	Dust suppression	25.0 KLD
3	Gardening / irrigation	15.0 KLD
4	Domestic	4.0 KLD
	Total	45.0 KLD

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

AIR POLLUTION:

3. The applicant shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10mm) - 100 mg/ m³; PM2.5 (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

GENERAL:

4. The project authority shall develop green belt of width 7.5mtrs around the mine lease area, on OB dumps along the roads etc. by planting native species in consultation with local DFO as stipulated in the E.C order dated: 12.12.2014. The industry shall take proper measures for survival of the saplings planted.
5. The applicant has submitted Afforestation Plan to the Board on 11.05.2015, to develop greenbelt in the mine lease area till the end of mine. As per the plan, the applicant has proposed to develop greenbelt as follows:

S.No.	Year	Greenbelt area
1	1 – 5 Years	9.14 Ha.
2	6 – 10 Years	6.9 Ha.
3	11 – 15 Years	6.9 Ha.
4	16 – 20 Years	6.9 Ha.
5	21 – 25 Years	6.9 Ha.
6	26 – 30 Years	6.9 Ha.
7	30 – end of the mine	16.95 Ha.

6. The project authority shall implement the above afforestation plan for development of greenbelt of width 7.5mtrs around the mine lease area.

7. The project authority shall develop greenbelt in an area of 9.14 Ha. in the first Five years and 6.9 Ha. during 6 - 10 years period as per the Afforestation Plan submitted.
8. The project authority shall adopt blasting technique using shock tube and delay detonators. Dust collectors are to be provided for the drilling and water sprinkling near loading areas and while drilling.
9. The project authority should adopt latest blasting techniques to minimize the vibrations and dust emissions.
10. The project authority should avoid blasting during high windy period, night times and temperature inversion periods.
11. The industry shall provide fixed continuous water spraying system all along the haul road from Mines to Lime stone crusher to minimize the dust emissions before commencement of mining activity.
12. Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits shall be allowed to fill the water.
13. The industry should provide & maintain dust control systems at the transfer points in crushing area to control the dust emission.
14. Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.
15. The mining unit shall stack the top soil with adequate measures with proper slope at earmarked site (s) only and shall be used for plantation purpose.
16. The mining unit shall maintain the following measures to control erosion of dumps and submit the compliance.
 - i. Retention/toe walls shall be provided at the foot of the dumps
 - ii. Stabilization of worked out slopes by planting appropriate shrub / grass species on the slopes.

General:

17. The mining unit shall not produce beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.
18. The industry shall comply with the conditions stipulated in the EC order dated 12.12.2014.
19. The mining unit shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
20. The mining unit shall carryout studies on ground vibrations due to blasting activities. Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department.
21. The mining unit shall submit Water Quality, AAQ, Soil quality monitoring through third party approved by MoEF&CC on monthly basis to RO, Anantapur & ZO, Kurnool.
22. The mining unit shall develop green belt of width 7.5 m all along the boundary of the mine lease area on OB dumps, along the roads etc., by planting the native species in consultation with the local DFO.
23. The mining unit shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
24. The mining unit shall comply with all the directions issued by the Board from time to time.

Special Conditions:

25. The mining unit shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated

storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

26. The mining unit shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

The project authority shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the project authority and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

**DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF
ENVIRONMENTAL ENGINEER4-APPCB**

**To
M/s. Sagar Cements (R) Limited,
(formerly M/s. BMM Cements Limited),
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.**



ANDHRA PRADESH POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-III, Industrial Estate,

Sanathnagar, Hyderabad-500 018

Phone : 040-23887500, Website : www.appcb.ap.nic.in

BY REGD POST WITH ACK.DUE

RED CATEGORY

CONSENT ORDER

Consent Order No : APPCB/KNL/ATP/17731/HO/CFO/2016-

Date: 22.03.2016

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof (hereinafter referred to as "as Acts") and the rules and order made thereunder to:

**M/s. BMM Cements Limited
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.
E Mail: honnursaheb@bmm.in**

(hereinafter referred to as the "the Applicant") authorizing to operate the industrial plant to discharge the effluents from the outlets and emissions as details below:

Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Vehicle Washings	1.0 KLD	After treatment the treated water shall be used for onland for gardening.
2	Domestic	3.2 KLD	Septic tank followed by soak pit

This consent order is valid for mining of Lime stone in the total mine lease area of 454.59 Ha. to the following quantity only:

S.No	Activity	Quantity
1.	Mining of Lime stone	1.0 Million TPA

This order is subject to the provisions of the Acts and orders made thereunder and further subject to the terms and conditions incorporated in the Schedule A and B enclosed to this order.

This consent shall be valid for a period ending with the **21st day of January 2021.**

Sd/-
MEMBER SECRETARY

To
**M/s. BMM Cements Limited
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District-515408.**

Copy to :

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The JCEE (Cess), APPCB, Hyderabad for information.
3. The JCEE (HWM), Hyderabad for information.
4. The EE, Regional Office, Kurnool for information and necessary action.

//T.C.F.B.O.//

K. Rao
4/4/16

JOINT CHIEF ENVIRIONMENTAL ENGINEER

UH-IV

SCHEDULE - A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Not withstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
9. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.

SCHEDULE - B

WATER POLLUTION:

1. The source of water is borewell. The following is the permitted water consumption:

S.No.	Purpose	Quantity
1	Process and Washings	1.0 KLD
2	Dust suppression	25.0 KLD
3	Gardening / irrigation	15.0 KLD
4	Domestic	4.0 KLD
	Total	45.0 KLD

AIR POLLUTION:

2. The applicant shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m³; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.
Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.
Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)
3. The industry shall establish 4 AAQM stations within three months in the core zone as well as in the buffer Zone for RSPM and NO_x monitoring within three months and submit the compliance to the RO Kurnool.

GENERAL:

4. The project authority shall develop green belt of width 7.5mtrs around the mine lease area, on OB dumps along the roads etc. by planting native species in consultation with local DFO as stipulated in the E.C order dated: 12.12.2014. The industry shall take proper measures for survival of the saplings planted.
5. The applicant has submitted Afforestation Plan to the Board on 11.05.2015, to develop greenbelt in the mine lease area till the end of mine. As per the plan, the applicant has proposed to develop greenbelt as follows:

S.No.	Year	Greenbelt area
1	1 – 5 Years	9.14 Ha.
2	6 – 10 Years	6.9 Ha.
3	11 – 15 Years	6.9 Ha.
4	16 – 20 Years	6.9 Ha.
5	21 – 25 Years	6.9 Ha.
6	26 – 30 Years	6.9 Ha.
7	30 – end of the mine	16.95 Ha.

6. The project authority shall implement the above afforestation plan for development of greenbelt of width 7.5mtrs around the mine lease area.
7. The project authority shall develop greenbelt in an area of 9.14 Ha. in the first Five years as per the Afforestation Plan submitted.
8. The project authority should maintain automatic water sprinklers to control fugitive emissions.
9. The project authority shall adopt blasting technique using shock tube and delay detonators. Dust collectors are to be provide for the drilling and water sprinkling near loading areas and while drilling.
10. The project authority should adopt latest blasting techniques to minimize the vibrations and dust emissions. The industry should provide mechanical water sprinklers in the mining area to control fugitive emissions.
11. The project authority should avoid blasting during high windy period, night times and temperature inversion periods.
12. The industry shall provide fixed continuous water spraying system all along the haul road from Mines to Lime stone crusher to minimize the dust emissions before commencement of mining activity.
13. Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits shall be allowed to fill the water.
14. The industry should provide & maintain dust control systems at the transfer points in crushing area to control the dust emission.

Sd/-
MEMBER SECRETARY

To
M/s. BMM Cements Limited
(Gudipadu Lime Stone Mining),
Gudipadu(V), Yadiki(M),
Anantapur District

//T.C.F.B.O.//



BY REGD. POST WITH ACK. DUE

CONSENT ORDER

Consent Order No : APPCB/KNL/ATP/17731/HO/CFO /2015- 912 Date : 21.05.2015

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21 of Air (Prevention & Control of Pollution) Act 1981 (hereinafter referred to as 'the Acts') and orders made thereunder to

M/s. BMM Cements Ltd.,
(Gudipadu Limestone Mining),
Gudipadu (V), Yadiki (M),
Anantapur District
E mail: honnursaheb@bmm.in

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

i) Out lets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1.	Vehicle Washings	1.0 KLD	After treatment, the treated water shall be used for onland for gardening.
2.	Domestic Effluents	3.2 KLD	Septic tank followed by soak pit

This consent order is valid for mining of lime stone in total mine lease area of 454.59 Ha. to the following Quantity only.

Product	Quantity
Mining of lime stone	1.0 million TPA

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A & B enclosed to this order.

This order of consent is valid for a period ending with the 31st day of January, 2016.

Sd/-
MEMBER SECRETARY

To
M/s. BMM Cements Ltd.,
(Gudipadu Limestone Mining),
Gudipadu (V), Yadiki (M),
Anantapur District - 515 408.
E mail: honnursaheb@bmm.in

Copy to:

1. The JCEE, Zonal Office, Kurnool for information and necessary action.
2. The JCEE (Cess), APPCB, Hyderabad for information.
3. The Environmental Engineer, Regional Office, Kurnool for information and necessary action.

//T.C.F.B.O//

K Rao
27/5/15
JOINT CHIEF ENVIRONMENTAL ENGINEER
(UH-IV)

SCHEDULE - A

1. The applicant should make application through online for renewal of Consent (under Water and Air Acts) at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent of the Board.
2. This order is issued in line with Board's CFE order dated 13.02.2015. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
3. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.
4. The project occupier should immediately submit the revised application for consent to this Board in the event of any change in the building and site specifications, quantity of trade effluents & quantity of emissions etc.
5. The applicant should not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and should not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.
6. The applicant should, not later than 30 days from the date of issue of this consent order, certify in writing to the Board that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent. In absence of alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent, production should be stopped.
7. Any up-set condition in the project, which results in increased effluent discharge and/ or violation of standards stipulated in this order or the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur should forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate.
8. In case of such episodal discharges / emissions mentioned in item 5 above, the project should take immediate action to bring down the discharge / emission below the limits prescribed in this order.
9. A good housekeeping should be maintained in the premises. All hoods, pipes, valves, sewers and drains should be leak proof. Floor washings should be admitted into the effluent collection system only and should not be allowed to find their way into storm drains or open areas.
10. a) The project should carryout analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in Schedule - B of this Order at regular intervals.
b) The project should maintain following records for access to the Board, whenever required.
 1. Analysis reports of waste water/ emissions.
 2. Log book for operation of pollution control systems.
 3. Inspection book
11. The applicant shall set up Ambient Air Quality Monitoring Stations for recording of relevant critical parameters mentioned in Schedule - B as per the CPCB guidelines and submit monthly reports.
12. Separate power connection with energy meter should be provided for the Pollution Control Equipments and record of power consumption and chemicals consumption for the operation of pollution control equipment should be maintained separately.
13. The applicant should comply with the directives/orders issued by the Board in this order and at all subsequent times without any negligence on his part. The applicant should be liable for such legal action against him as per provisions of the Law/Act in case of non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.
14. The applicant should furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system / air pollution control equipment / secured storage area of Hazardous Waste and such other particulars as may be pertinent for preventing and controlling pollution.
15. The project is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
16. All the rules & regulations notified by Ministry of Environment and Forests, Government of India in respect of management, handling, transportation and storage of hazardous chemicals and wastes should be followed.
17. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed.

18. The occupier should educate the workers and nearby public of possible accidents and remedial measures.
19. The applicant should exhibit the Consent order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
20. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and its amendments thereof to review any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
21. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE - B

1. The project authority should take steps to reduce water consumption to the extent possible and consumption should NOT exceed the quantities mentioned below:

S.No	Purpose	Quantity in KLD
1)	Process and Washings	1.0
2)	Dust suppression	25.0
3)	Gardening / Irrigation	15.0
4)	Domestic	4.0
	Total	45.0 KLD

2. The project authority shall provide separate water meters with necessary pipeline for assessing the quantity of water used for each of the purposes.
3. The project authority should file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry should remit water cess as per the assessment orders as and when issued by Board.
4. The project authority should comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10 µm) - 100 µg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A).

5. The project authority should not increase the mining capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.
6. The applicant submitted purchase order dt. 09.05.2015 for installation of 4 No. of AAQM stations. The applicant shall install the AAQM stations in the Core zone as well as buffer zone within two months.
7. The project authority shall monitor ambient air quality at four monitoring stations for SPM, RSPM, SO₂ & NO_x regularly and submit the monitoring data to the RO, Kurnool and HO, Hyderabad.
8. The project authority shall develop greenbelt of width 7.5 mtrs around the mine lease area, on OB dumps along the roads etc. by planting native species in consultation with local DFO as stipulated in the EC order dt.12.12.2014. The industry shall take proper measures for survival of the saplings planted.
9. The applicant has submitted Afforestation Plan to the Board on 11.05.2015, to develop greenbelt in the mine lease area till the end of life of mine. As per the plan, the applicant has proposed to develop greenbelt as follows:

Sl.No.	Year	Greenbelt Area
1	1 - 5 Years	9.14 Ha.
2	6 - 10 Years	6.9 Ha.
3	11 - 15 Years	6.9 Ha.
4	16 - 20 Years	6.9 Ha.
5	21 - 25 Years	6.9 Ha.
6	26 - 30 Years	6.9 Ha.
7	30 - end of the life of mine	16.95 Ha.

10. The project authority shall implement the above afforestation plan for development of greenbelt, of width 7.5 mtrs around the mine lease area.
11. The project authority shall develop greenbelt in an area of 9.14 Ha. in the first Five years as per the Afforestation Plan submitted.
12. The project authority should maintain automatic water sprinklers to control fugitive emissions.
13. The project authority should under take only wet drilling and should ensure maintenance of adequate measures to mitigate dust generation from drilling operations.
14. The project authority should take necessary steps to suppress the dust emission from the Drill Machines at its source by inbuilt water injection system.
15. The project authority should adopt blasting technique using shock tube and delay detonators. Dust collectors are to be provided for the drilling equipment. project authority should adopt fugitive dust control measures like wet drilling and water sprinkling near loading areas and while drilling.
16. The project authority should adopt latest blasting techniques to minimize the vibrations and dust emissions. The industry should provide mechanical water sprinklers in the mining area to control fugitive emissions.
17. The project authority should avoid blasting during high windy period, night times and temperature inversion periods.
18. The industry should adopt eco-friendly mining practices. The maximum charges used for blasting should be limited to ensure vibrations created in the neighbourhood area are within acceptable limits.
19. All waste material should be accommodated within the Mining Lease Area.
20. All mining products and rejects, irrespective of size and quality, should be hauled away from the mine.
21. The industry shall provide fixed continuous water spraying system all along the haul road from Mines to Lime stone crusher to minimize the dust emissions before commencement of mining activity.
22. The natural drainage of water should be maintained. Dump sites should not cross any streams, Water flow from the Mining Lease Area, even during the monsoon, should be free of suspended matter and conform to prescribed water quality standards.
23. The industry should construct check dams with intermediate sedimentation traps in the flow path to arrest silt.
24. Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits shall be allowed to fill with water.
25. The industry should provide & maintain dust control systems at the transfer points in crushing area to control the dust emission and provide bumlars to collect the crushed lime stone to control fugitive emissions while loading the material.
26. The trucks carrying limestone should be fully covered with tarpaulin so that no limestone dust / fine matters escape during the course of transportation.
27. The applicant should submit Environment Statement in Form V before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 & amendments.

Sd/-
MEMBER SECRETARY

To
M/s. BMM Cements Ltd.,
(Gudipadu Limestone Mining),
Gudipadu (V), Yadiki (M),
Anantapur District.

//T.C.F.B.O//

Wao
27/5/15

JOINT CHIEF ENVIRONMENTAL ENGINEER
(UH-IV)