



State Level Environment Impact Assessment Authority (SEIAA)  
Andhra Pradesh  
Government of India  
Ministry of Environment & Forests  
A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.  
REGD. POST WITH ACK. DUE

Order No. SEIAA/ANT- 10 /2009-

Dt: 26.02.2010.

Sub: SEIAA, AP - M/s. BMM Cements Ltd., (A unit of Bharat Mines & Minerals L(d.), Gudipadu Cement Plant, Gudipadu (V), Yadiki (M), Ananthapur Dist. - Environmental Clearance - Issued - Reg.

I. This has reference to your letter dt. 24.04.2008, 04.11.2009, 18.12.2009 seeking Environmental Clearance for the proposed Cement Plant & Power plant in the name of M/s. BMM Cements Ltd., Gudipadu Cement Plant, Gudipadu (V), Yadiki (M), Ananthapur Dist. The proposal has been examined and processed in accordance with EIA Notification, 2006. Nearest human habitation viz., Gudipadu (V) and Kundanakota (V) exist at 2.0km and 1.90 km respectively away from the proposed site. Yadiki RF and Owk RF exist at a distance of 8.1km and 9.0km respectively. There are no Archaeologically & Historically important sites within the study area of 10 km around the proposed site. Area of land for the plant and colony is 80 ha. Area of Greenbelt is 26.2 Ha. The capital investment of the project is Rs. 300 Crores. It is noted that the production capacity of the project, for which Environmental clearance has been considered are as follows:

Clinker -- 0.66 Million TPA.  
Cement -- 0.95 Million TPA.  
Electricity -- 25 MW.

II. In the process the raw materials are fed into the kiln and clinker is manufactured. Clinker, Gypsum, Fly ash are blended in required proportion and ground in a ball mill to produce the Portland cement/Pozzolana Cement. Electricity is generated using coal as fuel. Indian coal and Indonesian coal are to be used in the plant. The Sulphur content in the fuel is reported as 0.60%.

III. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meetings held on 24.05.2008 & 04.01.2010. Public hearing was conducted on 19.08.2008 at the mine lease area. The SEAC examined the proposal and recommended to issue Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 27.01.2010 examined the proposal and the recommendations of SEAC. It was decided to issue prior EC. The SEIAA, A.P hereby accords prior Environmental Clearance to the project as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following conditions/safeguards:

n) Air pollution:

i) At no time the particulate emissions from the cement kiln/grinding unit should exceed 50 mg/Nm<sup>3</sup>. The total dust from all the sections shall not exceed 250 mg/ Nm<sup>3</sup>. The project proponent shall provide stack height of 90m to raw mill/kiln, 40m to coal mill, 30m to clinker cooler, 40m to cement mill, to disperse the emissions. The control equipment of ball mill shall be provided with 25% spare capacity in order to control air pollution. Interlocking facility should be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials is stopped automatically.

It is proposed to provide boiler of capacity 110TPH. ESP of adequate capacity shall be provided to achieve the PM standard of 115 mg/Nm<sup>3</sup>. Flue gas shall be let into the atmosphere through a stack height of 70m.

- ii The final ground level concentrations after expansion should not exceed the NAAQ standards notified by CPCB on 18.11.2009. Ambient noise levels must not exceed the standards stipulated by MoE&F, GOI or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APSPCB and report submitted to the Board and to the Ministry's Regional Office at Bangalore half yearly.
- iii Provision shall be made to install FGD system in future to remove Sulphur from the emissions, if required.
- iv The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. Bag filters/ESPs are to be provided at sources of pollution viz., Raw material hoppers, Raw grinding ball mill, Raw meal Storage silos, cooler, packing sections. The dust collected from the pollution control equipment shall be recycled back into the process.
- v Raw materials shall be transported in covered trucks. Storage of raw material shall be in closed roof sheds. Water spray system shall be provided all around the stockpiles and dust suppression system around the conveyor system. All the roads in the plant area shall be asphalted / concreted and water sprayed to reduce the fugitive dust emissions.

**b) Water Pollution:**

- i The source of water is reported as ground water. The total water requirement is 3200 KLD. Out of that, quantity of water utilized for: cooling in cement plant is 500 KLD; boiler feed is 30 KLD; cooling is 2430 KLD; DM plant rinsing is 15 KLD; Filter back wash is 15 KLD; Service is 10 KLD; Domestic (plant and colony) purpose is 200KLD.

The total waste water generated is 710 KLD. Out of that, quantity of waste water generated from: boiler blow down is 24 KLD; cooling bleed of is 490 KLD; DM plant rinsing is 15 KLD; Filter back wash is 15 KLD; Service is 6 KLD; Domestic sewage (plant and colony) is 160KLD.

The waste water generated from: DM Plant rinsing shall be neutralized; service shall be routed through oil and grease trap. The treated waste water shall be combined with the cooling bleed of and recycled for various purposes in the plant. No effluent shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Waste water generated from Domestic section shall be treated in an STP. The treated waste water shall conform to on land for irrigation standards as notified by the MoE&F, GOI. The treated waste water shall be used for development of green belt with in the premises.

- ii The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.
- iii The project proponent shall develop a thick green belt of width atleast 10m along the boundary with appropriate species to suppress any dust emissions in consultation with the local DFO. The area of the green belt shall be atleast 33% of the total area as per CPCB guidelines.

**c) Solid Waste:**

- i The used batteries and waste oil generated from the industry shall be disposed to the Recyclers authorized by APPCB. Ash generated from the power plant shall be totally utilized in the Cement Plant. The bio-degradable waste generated from the colony shall be converted into manure. The non-bio degradable waste generated from the colony shall be disposed to the local municipal dump yard/ land fill.

**B. General Conditions:**

- i This order is valid for a period of 5 years.

- 6
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.
  - iii. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P.
  - iv. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
  - v. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
  - vi. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/ Central Pollution Control Board once in six months.
  - vii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
  - viii. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
  - ix. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
  - x. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bangalore.
  - xi. The Regional Office of MOE&F located at Bangalore monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
  - xii. A copy of clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
  - xiii. State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center and Collector's Office /Tchsildar's Office for 30 days.
  - xiv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.
  - xv. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

- xvi. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xvii. The company shall undertake eco-development measures including community welfare measures in the project area.
- xviii. The proponent shall comply with all the commitments/ suggestions made in the public hearing in environment protection point of view.
- xix. The proponent shall obtain all other mandatory clearances from respective departments.
- xx. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-  
MEMBER SECRETARY  
SEIAA, A.P.

Sd/-  
MEMBER  
SEIAA, A.P.

Sd/-  
CHAIRMAN,  
SEIAA, A.P.

To

Sri K.B.V. Murtly, Technical Advisor,  
M/s. BMM Cements Ltd.,  
(A unit of Bharat Mines & Minerals)  
Megacity 584, Road No. 12,  
Banjara Hills, Hyderabad- 500 034

Copy to:


1. Dr. M. Anji Reddy, Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO, APPCB, Tirupati for information.
4. The Zonal Officer, MoE&F, GOI, Bangalore for kind information.
5. The Secretary, MoE&F, GOI New Delhi for kind information.

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

*J. R. Srinivas*  
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

4/3/10

o/c

	<p><b>State Level Environment Impact Assessment Authority (SEIAA)</b> <b>Andhra Pradesh</b> <b>Government of India</b> <b>Ministry of Environment, Forests &amp; Climate Change</b> D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamavari Street, Kasturibaipet, Vijayawada-520010</p>
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REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/ANT/IND/12/2018/787

Dt: 03.05.2019

**Sub: SEIAA, A.P. – M/s. Sagar Cements (R) Ltd (Formerly known as BMM Cements Limited) at Sy.No. 760-1, 760-2, 761 to 769, 477, 482, 486, 709, 754, 604, 608, 644, 478, 479, 480, 481, 484A, 484B, 486-2, 492, 603-2, 613A, 615A, 616, 634, 549A, 652A, 652B, Gudipadu (V), Yadiki (M), Anantapur District, Andhra Pradesh – Environmental Clearance - Expansion - Issued - Reg.**

- I. This has reference to your application submitted through online on 20.12.2018 (SIA/AP/IND/89200/2018), seeking Environmental Clearance for the proposed expansion of Cement Plant at Sy.No.760-1, 760-2, 761 to 769, 477, 482, 486, 709, 754, 604, 608, 644, 478, 479, 480, 481, 484A, 484B, 486-2, 492, 603-2, 613A, 615A, 616, 634, 549A, 652A, 652B, Gudipadu (V), Yadiki (M), Anantapur District, Andhra Pradesh in favour of M/s. Sagar Cements (R) Ltd (Formerly BMM Cements Limited). The nearest human habitation viz., Gudipadu (V) exists at a distance of 1.4 km from the project site. The total cost of the project expansion is Rs.20 Crores and the production capacity of the project is as following:

Sl.No.	Name of the product	Quantity	
		Existing EC order (26.02.2010)	After expansion
1.	Clinker	0.66 Million TPA	0.75 Million TPA
2.	Cement	0.95 Million TPA	--
3.	Electricity	25 MW	--

**Grinding of Cement from 0.66 Million TPA to 0.75 Million TPA**

- II. The proposal has been examined and processed with EIA Notification, 2006 and amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application in its meeting held on 09.01.2019. The representative of the project proponent and their consultant M/s. B.S. Envi -Tech (P) Ltd., have attended the meeting and presented their proposal. The Committee noted that EC order issued for existing Cement Plant -0.95 Million TPA on 26.02.2010 and applied for expansion from Clinker: 0.66 to 0.75 MTPA and Cement: 0.95 MTPA (No change). *The Committee after detailed*

*discussions recommended for issue Environment Clearance for expansion from Clinker: 0.66 to 0.75 MTPA on the due diligence of the SEAC under the provisions of 7(ii) of EIA Notification. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 29.01.2019 examined the proposal and the recommendations of the SEAC and decided to issue EC.*

The State Level Expert Appraisal Committee (SEAC) again examined the application in its meeting held on 26.02.2019. *The Committee noted that earlier the project proponent submitted the application for the proposed expansion of Clinker from 0.66 MTPA to 0.75 MTPA of the Cement Plant of M/s.Sagar Cements (R) Ltd. In the minutes of the SEAC, A.P., meeting held on 09.01.2019, the SEAC recommendations it was mentioned as "The Committee after detailed discussions recommended for issue Environment Clearance for expansion from Clinker: 0.66 to 0.75 MTPA on the due diligence of the SEAC under the provisions of 7(ii) of EIA Notification." In the minutes of SEIAA,A.P., meeting held on 29-30 January 2019, it was mentioned as Decision of SEIAA: Agreed with recommendation of the SEAC, A.P for issue of Environmental Clearance. The Committee recommended for corrigendum in the minutes that the SEAC,A.P., recommendations is to be read as "The Committee recommended for issue of Environmental Clearance for modernisation of existing cement Plant for expansion of clinker production capacity from : 0.66 Million TPA to 0.75 Million TPA with the due diligence of the SEAC under the provisions of 7(ii) of EIA Notification 2006 since the expansion is only 14% ". The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 13.03.2019 examined the proposal and the recommendations of the SEAC and decided to issue EC. The SEIAA, A.P hereby **accords Environmental Clearance to the project** as mentioned at Para No. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:*

**Part:- A. Special Conditions:**

**1) Air pollution:**

- i The industry shall provide air pollution control equipments to control stack and fugitive emissions to meet the standards notified by MoEF/CPCB/APPC
- ii The industry shall arrange for acoustic barriers and locate roll mills and ball mills within those barriers.
- iii All the internal roads shall be paved CC or bitumen roads, adequate closed silos for storage of fly ash and clinker and covered shed for storage of gypsum shall be provided.
- iv The industry shall upgrade all pollution control equipments of Cement Plant to meet SPM requirement of 30 mg /Nm<sup>3</sup> and at all transfer points.
- v The industry shall procure suitable road sweeping machine to maintain good house keeping.

- vi The industry shall install continuous ambient air quality monitoring station.
- vii The industry shall install online continuous stack monitoring for the cement mill grinding unit.
- viii Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc., shall be provided to monitor stack emissions.
- ix Ambient air quality including ambient noise levels must not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB and report submitted to the Board and to the Ministry's Regional Office at Chennai half yearly.
- x Raw materials and products shall be transported in covered racks. Storage of raw material shall be in roof sheds/silos. Water spray system shall be provided all around the stockpiles and dust suppression system around the conveyor system. All the conveyor belts shall be covered with G.I. Sheets. All the roads in the plant area shall be asphalted / concreted and water sprayed to reduce the fugitive dust emissions.
- xi In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials handlings etc. shall be provided. Further, specific measures like provision of adequate dust suppression & extraction system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points, and other raw material handling areas. Fugitive emissions shall be regularly monitored and records maintained.
- xii Interlocking facility should be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials is stopped automatically.

## 2) Water Pollution:

- i Total water consumption for existing is 3200 m<sup>3</sup>/day. There is no additional water for the expansion project.
- ii The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.

## 3) Solid Waste :

- i. Dust generated from the Bag filters shall be completely recycled. Waste oils & used oils generated from the plant shall be disposed as per the Hazardous wastes (Management and Handling) transboundary rules and its amendments thereof to the recyclers authorized by APPCB.

## **Part B :- General Conditions:**

- i. **This order is valid for a period of 7 years.**
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.
- iii. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- iv. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.
- v. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically.
- vi. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- vii. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- viii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- ix. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.



- x. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xi. The project proponent shall earmark the required funds toward capital cost and recurring cost allocated Rs.0.5 Crores for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai.
- xii. At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017- IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Regional Office, Chennai.
- xiii. The Regional Office of MOEF&CC located at Chennai / The SEIAA, Andhra Pradesh through the Regional Offices of Andhra Pradesh Pollution Control Board shall, monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports
- xiv. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies i.e., Panchayats / Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P. This order shall be displayed in the website of the project proponent.
- xvi. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xvii The company shall undertake eco-development measures including community welfare measures in the project area.
- xviii The proponent shall obtain all other mandatory clearances from respective departments.
- xix. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

- xx. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxi. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-  
**MEMBER SECRETARY,  
SEIAA, A.P.**

Sd/-  
**MEMBER,  
SEIAA, A.P.**

Sd/-  
**CHAIRMAN,  
SEIAA, A.P.**


**To**

Sri . S. Sreekanth Reddy, Joint Mg. Director,  
M/s. Sagar Cements (R) Limited (SCRL),  
Plot No. 111, Road No. 10,  
Jubilee Hills,  
Hyderabad-500 033  
Ph. 040-23351571

**Copy to:**

1. The Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO: Ananthapur, APPCB for information.
4. The Regional Officer, MOEF&CC, GOI, Chennai for kind information.
5. The Secretary, MOEF&CC, GOI New Delhi for kind information.
6. Monitoring cell, MoEF&CC, GOI, New Delhi for kind information.
7. The District Collector, Ananthapur District, Andhra Pradesh for kind information.

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

  
**MEMBER SECRETARY  
SEIAA, A.P.**

