



SANJIV TYAGI
MEMBER SECRETARY
SEIAA, GUJARAT

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY**
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No. SEIAA/GUJ/EC/3(b)/ /2008

Date:

Time Limit

To,
M/s. Ambuja Cement Limited,
S.No. 203 to 210 and 214,
Village: Iyava, Ta. Sanand,
Dist. Ahmedabad.

Sub: Environment Clearance for a clinker grinding unit with a capacity of 2.0 MMTPA at S.No.203 to 210 and 214, Village: Iyava, Ta. Sanand, Dist. Ahmedabad by M/s. Ambuja Cement Limited..... in Category 3 (b) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application made along with Application Form-I and Environment Management Plan (EMP) submitted to SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for a manufacturing of Cement with a capacity of 2.0 MMTPA from the clinker at S.No.203 to 210 and 214, Village: Iyava, Ta. Sanand, Dist. Ahmedabad by M/s. Ambuja Cement Limited. Total land acquired for the purpose is 2,99,218 sqm. The total cost of the project would be Rs. 275 Crore.

The unit has proposed to install the air pollution control measures to control the air pollution likely to be generated from various processes as per the details furnished below :

Sr. No.	Section / Source	Type of APCM Proposed	Stack Height
1	Cement Mill Venting system	Bag filter	60m
2	Packing plant packer machine-1	Bag filter	32m
3	Packing plant packer machine-1	Bag filter	32m
4	Stand by D.G. set-1	-	35m
5	Stand by D.G. set-2	-	35m
6	Stand by D.G. set-3	-	35m

The project activity is covered in 3 (b) and is of 'B' Category. The Public Hearing of the proposed project was carried out on 18.04.2008 at Sanand Panchayat Rest House, Sanand, Dist. Ahmedabad.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The Public Hearing has been conducted on 18.04.2008 and the

proposal was considered by SEIAA, Gujarat in its meeting held on 22.09.2008 at Gandhinagar. The SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following Specific and General conditions.:

A. SPECIFIC CONDITIONS:

A.1 WATER:

1. Water consumption for the project shall not exceed 350 KI per day from bore well. The necessary permission from the Central Ground Water Authority shall be obtained for this purpose before drilling the bore well.
2. The project proponent will prioritize the surface water as its main source of water in future if it is available through source like Narmada canal and will stop extraction of the ground water in that case.
3. The project proponent will submit an action plan to reduce 5% of its proposed water consumption each year for next three years to GPCB through reduce, reuse, recycle concept.
4. The project proponent will carry out geo-hydrology study which shall include monitoring of the ground water level and quality which shall be carried out by establishing a network of existing wells and constructing new piezometers during the period of ground water extraction to assess its impact in surrounding area and submit a report to GPCB four times a year- pre-monsoon (April-May), monsoon (August), post monsoon (November), winter (January) and its recommendations shall be implemented.
5. Unit must harvest the rainwater from roof tops and storm water to recharge the underground strata in consultation with the experts. In addition, deepening of the lakes in the surrounding villages shall also be taken up as committed in the EIA for rainwater harvesting.
6. Washing of gypsum and other additives shall not be carried out at the project site and there shall not be any industrial wastewater generation from the project.
7. Domestic wastewater shall be treated in the Sewage Treatment Plant to be provided within the site up to the GPCB norms and used in gardening and plantation within premises.

A.2 AIR:

8. The following Air Pollution Control Measures and stack heights shall be provided to various sections /sources, in addition to the bag filters proposed at various sources and furnished as Annexure-"A" attached herewith :

Sr. No.	Section / Source	Type of APCM Proposed	Stack Height
1	Cement Mill Venting System	Bag filter	60m
2	Packing plant packer machine-1	Bag filter	32m
3	Packing plant packer machine-1	Bag filter	32m
4	Stand by D.G. set-1	-	35m
5	Stand by D.G. set-2	-	35m
6	Stand by D.G. set-3	-	35m

9. Stacks attached to the Cement Mill Venting System and Packing plant packer machine-1 and 2 shall be provided with on-line continuous particulate matter measurement analyzer and interlocking system with production plant so that it will automatically shut down the production activities when the emission concentration exceeds the permissible limit.

10. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the GPCB. Data on ambient air quality and stack emissions shall be regularly submitted to SEIAA once in six months.
11. The fugitive emission in the work zone environment and ambient air environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities including the Director of Industrial Hygiene and Safety as well as the Gujarat Pollution Control Board from time to time. Following indicative guidelines shall be followed to reduce the fugitive emission.
 - a) Enclosure shall be provided at all loading and unloading operations.
 - b) Water shall be sprayed on all raw materials stock pile periodically to retain some moisture in top layer except wet gypsum to reduce the fugitive emission.
 - c) All transfer points shall be fully enclosed.
 - d) Accumulated dust on the ground and other surfaces shall be removed / swept regularly and area shall be watered, if feasible and necessary, after sweeping.
 - e) Internal road shall be properly paved to reduce the fugitive emission during vehicular movement.
 - f) Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.

A.3 SOLID WASTE:

12. Used oil / waste oil shall be sold only to the registered recycler.

A.4 SAFETY:

13. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
14. First Aid Box shall be made readily available in the unit.
15. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.
16. Risk Assessment and Disaster Management Plan of the project shall be prepared and its recommendation shall be implemented.

A.5 NOISE:

17. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation, hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act & Rules, 1986 amended from time to time.
18. Noise levels for workers shall be as per the Factories Act & Rules.

A.6 CLEANER PRODUCTION & WASTE MINIMISATION:

19. The company shall undertake following various waste minimization measures including :
 - a) Metering and control of quantities of active ingredients to minimize waste.
 - b) Reuse of by-products from the process as raw materials or raw materials substitutes in other processes.

- c) Use of automated and enclosed filling to minimize spillage.
- d) Venting equipment through vapour recovery system.
- e) Use of close feed system into batch reactors.

A.7 GREEN BELT AND OTHER PLANTATION:

- 20. The unit shall develop green belt having 1,00,000 Sqm as submitted to SEAC within premises of local species trees. The number of trees in the green belt should be as per guidelines of CPCB.
- 21. Additionally, the company shall also take up the greenbelt development activities in nearby villages as part of their CSR activities through community participation.

B. GENERAL CONDITIONS:

- 22. The applicant shall construct rain water recharging structure so as to the entire yearly requirement of water.
- 23. All commitments / promises given during the Environmental Consultation including the Environmental Public Hearing shall be fulfilled in time-bound manner.
- 24. The CREP guidelines for the Cement manufacturing section shall be implemented.
- 25. The project proponent will carry out socio economic up-gradation activities as stated in the EIA in the surrounding villages as corporate social responsibility and allocate special budget for the same. The activities shall be undertaken based on the requirements of the local villagers identified in consultation with the District Collector / DDO / the Regional Officer of the GPCB.
- 26. The unit shall thrive to obtain the ISO 14001 and OSHAS 18001 certification.
- 27. The provisions of the Buildings and Other Construction Workers Rules shall be complied with by the project proponent in addition to other statutory requirements under different environmental, pollution control and safely related Acts and Rules.
- 28. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- 29. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
- 30. The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
- 31. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 32. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- 33. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned

Regional Office of the Ministry.

34. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
35. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
36. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
37. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
38. The company in a time bound manner shall implement these conditions. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
39. This Environmental Clearance is valid for five years from the date of issue.

With regards,
Yours sincerely,

(SANJIV TYAGI)
Member Secretary,
State Level Environment Impact Assessment Authority
Gujarat

Copy to:-

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
2. The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382 010.
6. Select File.



No. SEIAA/GUJ/EC/3(b)/ /2013

Date:

Amendment to Environment Clearance Order No:-

(Under the provision of Environmental Impact Assessment (EIA) Notification, 2006)

In exercise of the power conferred under the provision of Environmental Impact Assessment (EIA) Notification, 2006 under sub-rule (3) of Rule 5 of the Environment (Protection) Rules, 1986, the Environment Clearance granted to **M/s. Ambuja Cement Limited** for a clinker grinding unit with a capacity of 2.0 MMTPA at Survey No. 203 to 210 and 214, Village:Iyava, Ta:Sanand, Dist:Ahmedabad, vide this office order letter no. **SEIAA/GUJ/EC/3(b)/135/2008** dated **13/10/2008**, is being subjected to amendment for the following condition only.

And whereas SEIAA has granted Environment Clearance vide office order letter no. **SEIAA/GUJ/EC/3(b)/135/2008** dated **13/10/2008**, under the provisions of the aforesaid Notification.

And whereas SEIAA has received Recommendation from SEAC, for the amendment of Environment Clearance of this SEIAA and the letter from the project proponent dated 01/03/2013 seeking for the extension of the validity of Environment Clearance under the provision of the aforesaid Notification. The proposal was considered by SEIAA, Gujarat in its meeting held on 22/07/2013 at Gandhinagar. Environment Clearance is hereby amended as under, subjected to amendment for the following condition only.

The Environment Clearance order no. **SEIAA/GUJ/EC/3(b)/135/2008** dated **13/10/2008** shall be read henceforth as under.

➤ **The second paragraph shall be changed to read as under:**

The proposal is for Environmental Clearance for a manufacturing of PPC by blending of fly ash with OPC & required quantity of gypsum by M/s Ambuja Cement Limited. Total land acquired for the purpose is 3,02,562 sq.m. Total cost of the project would be Rs. 302 crores.

➤ **The Third Paragraph shall be changed to read as under:**

The unit has proposed to install the air pollution control measures to control the air pollution likely to be generated from various processes as per the details furnished below:

Sr. No.	Section / Source	Type of APCM Proposed	Stack Height
1	Mill Venting system	Bag filter	45m
2	Packing plant packer machine-1	Bag filter	32m
3	Packing plant packer machine-2	Bag filter	32m
4	Packing plant packer machine-3	Bag filter	32m
4	Stand by D.G. set-1	-	35m
5	Stand by D.G. set-2	-	35m
6	Stand by D.G. set-3	-	35m

➤ **Condition nos. 1, 8, 9 and 39** shall be changed to read as under:

- 1. Water consumption for the project shall not exceed 250 KL per day and it shall be obtained from bore well. The necessary permission from the Central Ground Water Authority shall be obtained for this purpose before drilling the bore well.**
- 8. The following Air Pollution Control Measures and stack heights shall be provided to various sections/sources, in addition to the bag filters proposed at various sources and furnished as Annexure-“A” attached herewith:**

Sr. No.	Section / Source	Type of APCM Proposed	Stack Height
1	Mill Venting system	Bag filter	45m
2	Packing plant packer machine-1	Bag filter	32m
3	Packing plant packer machine-2	Bag filter	32m
4	Packing plant packer machine-3	Bag filter	32m
4	Stand by D.G. set-1	-	35m
5	Stand by D.G. set-2	-	35m
6	Stand by D.G. set-3	-	35m

- 9. Stacks attached to the Mill Venting System and Packing plant packer machines shall be provided with on-line continuous particulate matter measurement analyzer and interlocking system with production plant so that it will automatically shut down the production activities when the emission concentration exceeds the permissible limit.**
- 39. This environmental clearance is valid for five years from the date of issue of this amendment.**

The other conditions of the Environment Clearance order no. **SEIAA/GUJ/EC/3(b)/135/2008** dated **13/10/2008** shall remain unchanged.

The Environment Clearance is subject to the conditions as may be specified in the rules from time to time under the Environmental Impact Assessment (EIA) Notification, 2006 and Environment (Protection) Rules, 1986.

With regards,
Yours sincerely,

(A.A.DOLTI)
Member Secretary

Issued to:

Mr. M.M.Hirpara
Ambuja Cements Limited, Ambuja House, Parimal Cross road,
Ellisbridge, Ahmedabad-380006..... For information please.

Copy to:-

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
2. The Chairman, CPCB , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010.
6. Select File.

(A.A.DOLTI)
Member Secretary