



**State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)**

Environmental Planning Coordination Organization (EPCO)
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No: 8476 /SEIAA/2015
Date 30.11.15


To,
Shri V.K. Hamirwasia President,
M/s Birla Corporation Limited, Unit: Barnagar,
Sector- III, Madhav Nagar, Chanderia,
Chittorgarh Rajasthan – 312021.

Sub:- Case No.-1833/2014 Prior Environmental Clearance for M/s Birla Corporation Limited Unit Barnagar at Village Karadiya & Khedamdhav, Tehsil Barnagar, District Ujjain (M.P.), Total Project Area- 26.87 ha proposed Capacity 2 X 1.0 MTPA Cement Grinding Unit (1.0 MTPA Phase-I & 1.0 MTPA Phase-II) by Shri V.K. Hamirwasia, President, M/s Birla Corporation Limited Unit: Barnagar, Sector-III Madhav Nagar, Chanderia, Chittorgarh (Rajasthan)- 312021, E-mail – vk@birlacement.com, Phone No. 01472-256601-08, Env. Consultant – CES, Bhopal.

Ref: Your application dated 01.10.14 received in SEIAA office on 01.10.2014.

With reference to above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendment, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt and additional clarifications furnished in response to the observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The proposed project is pertaining to stand alone cement grinding with production capacity of 1.0 X 2 million tonnes/annum. Phase-wise units shall be installed. The proposed project pertains to stand alone grinding unit covered under 3(b) category (B) of the schedule of EIA notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. 14.09.2006 & its amendments.
- (ii) The total land area of the project is 26.87 ha. As per Joint Director Town & Country Planning, Ujjain (vide letter no. 2741 dtd. 04.12.2014 & letter no.


(Ajatshatru Shrivastava)
Member Secretary


Case No. 1833/2014

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

2742 dtd. 04.12.2014) the total land area is 24.31 ha & 02.56 ha at Village Kheda Madhav, Tehsil Barnagar, District Ujjain (MP). As per the Khasra Panchsala 2014-2015 the land is the name of M/s Birla Corporation Ltd.

- (iii) There is no interstate boundary within 10 km and no National Park / Sanctuary (DFO letter dtd. 14.10.2015) within the 5 km of the project area hence the general conditions are not attracted.
- (iv) Public hearing was conducted on 26.05.2015 at proposed site of premises, village Karadia & Khedamadhav, Tehsil – Barnagar, District Ujjain (M.P) under the Chairmanship of Additional Collector Ujjain. Some issues were raised during the Public Hearing which was addressed by PP
- (v) Raw materials required for the grinding unit are Clinker which will be produced from BCL, Chanderia, and Gypsum from Rajasthan/Import and fly ash from MPPGENCO, Mundi (M.P.) for Phase I & Phase II.
- (vi) The clinker grinding is based on dry process technology with closed circuit and cement will be packed through electronic rotary packers and will be loaded in the trucks with the help of belt conveyor and automatic truck loaders system.
- (vii) The total water requirement for Phase-I is 95 KLD and for Phase- II will be 165 KLD, which will be sourced from ground water. PP has submitted CGWA letter dated 25.06.2015 regarding abstraction of ground water.
- (viii) The air cooled system is proposed for the grinding process and no industrial waste water generation is envisaged. Except sewage generation, no other wastewater will be generated from the proposed facility. The total waste water generation is 5 KLD from Phase I & 7 KLD from Phase II. PP has proposed waste water will be generated from domestic use and shall be treated in STP of 15 KLD. The STP shall be provided up to tertiary system i.e. inclusive of ACF, MGF and other polishing unit. Utilization of treated domestic wastewater in toilet flushing, greenbelt development and dust suppression;
- (ix) For control of air pollution PP has proposed the mitigation measures in the plant are: Installation of bag filters of efficiency of 99.99% to control the TPM concentrations below 30 mg/Nm³; Provision of stacks with adequate height for wider dispersion of gaseous emissions; Provision of closed silo system for storage of clinker, gypsum and fly ash Asphaltting of the roads (40% + fly ash CC based) within the plant area and provision of pucca road from plant boundary to PWD Road (approx 400 meter).
- (x) No solid waste will be generated from the cement grinding process. Dust collected from air pollution control equipment will be totally recycled back to the process. The proposed project would rather consume large quantity of fly ash, a solid waste from TPP for manufacturing PPC. Approximately 1000 lit of lubricating oils will be generated annually and the same will be stored in drums and disposed to authorized used oils recycling vendors.


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- (xi) The total power requirement in operation phase shall be 7.5 MW for Phase I and 5.0 MW for Phase II. The source of power is Madhya Pradesh State Electricity Board.
- (xii) PP has included disaster management plan, fire fighting provisions as part of EIA.
- (xiii) PP has proposed green belt area of 90000 sq.m with plantation of 18000 no. of trees including species of eucalyptus and Bugun Velia.
- (xiv) Under CSR activities PP has proposed vocational & skill development training for youth and women as per requirement of grinding unit, providing drinking water facility and sound sanitary practices.

Based on the information submitted at Para i to iv above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its **260th meeting held on 20.11.2015** and decided to accept the recommendations of **231st SEAC meeting held on dated 27.10.2015**.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the proposed M/s Birla Corporation Limited Unit Barnagar at Village Karadiya & Khedamdhav, Tehsil Barnagar, District Ujjain (M.P.), Total Project Area- 26.87 ha proposed Capacity 2 X 1.0 MTPA Cement Grinding Unit (1.0 MTPA Phase-I & 1.0 MTPA Phase-II) by Shri V.K. Hamirwasia, President, M/s Birla Corporation Limited Unit: Barnagar, Sector-III Madhav Nagar, Chanderia, Chittorgarh (Rajasthan)- 312021 subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

- (1). All the commitments made to the public during the public hearing/public consultation meeting shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated.
- (2). PP should ensure that all the material/raw material should be kept in closed enclosure/covered area.
- (3). Transportation Management
 - (a) PP should construct 400 m concrete with fly ash approach road from by pass to plant area. Beside this PP should also construct and maintain concrete road from Badnagar to plant.
 - (b) All parking areas of trucks for transportation of raw material and finished products should be properly paved and concreted to reduce dust pollution.
 - (c) PP should provide oil and grease separators for truck transportation within the plant premises.


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- (d) PP should provide tractor driven suckers for subsiding the dust pollution.
- (4). PP should abstract the ground water as per CGWA permission.
- (5). All the treated waste water shall be recycled and reused in the processor for dust suppression and green belt development. No process waste water shall be discharged outside the factory premises and 'zero' discharge should be adopted.
- (6). Air pollution :
- (a) PP should maintain TPM concentration level $< 25 \text{ mg/Nm}^3$ instead of 30 mg/Nm^3 after taking pollution control measures.
- (b) PP should install online pollution control monitoring system in the plant premises.
- (7). PP should ensure to disposal of solid waste as per CPCB Norms / MPPCB.
- (8). PP should construct settling tank after proper filter media for rain water harvesting.
- (9). PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipments.
- (10). PP should avoid eucalyptus and Bugun Velia and plant Arjun and Bamboos on both side of Nalla / Drain passing near plant area. PP should develop green belt of 30 m width all around the plant premises and 15 m width along both sides of Nalla. Beside this PP should also plant trees both side of approach road of plant from bypass.
- (11). Under the CSR activities PP should ensure :-
- (a) PP should develop the roads and rotaries/ junction points of Badnagar town in consultation with the local municipal council.
- (b) PP should organize proper sanitation program in 15 villages situated around the plant area with water facility in individual toilets. Besides this PP should construct low cost sanitation in school / education institution specially for girls.
- (c) PP should plan vocational training and skill development program in higher secondary schools and employment can be provided to local youth.
- (d) PP should develop proper entertainment and playing facility for girl infants in crèche within the unit.

B. Specific Conditions as recommended by SEAC

- (12). Wagon tippler should be supported by heavy duty bag dust collectors.


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- (13). Clinker should be transported through rail network. In any case the transportation by road if carried out in emergency situation, it should not be beyond 5% of total quantity.
- (14). All the commitments made during public hearing should be addressed by the PP.
- (15). Height of all the stacks should be minimum 30 meters and PM10 from each stack should not exceed 30 mg/nm³.
- (16). Flay ash based road shall be made as proposed.

Standard Conditions - Encl: Annex-I

8477
Endt No. / SEIAA/ 15
Copy to:-

Dated 30.11.15

(Ajatshatru Shrivastava)
Member Secretary

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, MP Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal.
- (4). The Collector, District Ujjain-M.P.
- (5). Chief Wildlife Warden, MP, Pragti Bhawan, 3rd Floor, MP Nagar, Bhopal.
- (6). District Forest Officer, Ujjain, MP
- (7). Deputy Secretary, Department of Commerce, Industry & Employment, Mantralaya, Bhopal.
- (8). Joint Director Town & Country Planning, 2nd Floor, Wing-A, Ujjain Development Authority Building, Ujjain, MP.
- (9). Managing Director, M P Audyogik Kendra Vikas Nigam (Ujjain) Ltd., Nana Kheda Bus Stand Campus, Indore Road, UJJAIN-456010 (M.P.).
- (10). District Trade and Industry Centre, Ujjain, MP
- (11). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (12). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (13). Guard file.

Encl: Standard Conditions (Annex-I)

(Ajatshatru Shrivastava)
Member Secretary

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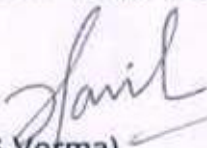
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Standard Conditions related to Activity 3 (b) - Cement Plant All Stand alone grinding units Category B projects under the Schedule of Ministry of Environment and Forests, Gol Notification dtd 14-09-06

Annex-I

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
3. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
4. All the commitment made regarding issues raised during the public hearing / consultation meeting shall be satisfactorily implemented. Item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured as office Memorandum dated 18.05.12 of MoEF & CC, Gol and its amendments.
5. The applicant (Project Proponent) will take necessary measures for prevention, control and mitigation of Air, Water, Noise and Land Pollution including solid waste disposal as mentioned by him in Form-1, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards
6. The project shall comply with the new MoEF & CC standards notified vide GSR 612 (E) dtd. 25.08.2014 with respect to cement sector.
7. No further expansion or modifications in the plant should be carried out without prior approval of the Madhya Pradesh State Environmental Impact Assessment Authority.
8. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments.
9. All major sources of air pollution will be provided with bag filters to maintain particulate matter emissions within permissible limit. No solid waste will be generated in cement manufacturing process. Dust collected from various pollution control equipments will be recycled back into the process. Fly ash will be utilized in manufacturing of PPC grade cement and AAC blocks.
10. Secondary fugitive emission shall be controlled and maintained within the prescribed limits and regularly monitored. Guidelines /Code of practice issued by the CPCB/MPPCB in this regard shall be followed.


(H.S.Verma)
Member


(Waseem Akhtar)
Chairman


3 (b) - Cement Plant All Stand alone grinding units

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Standard Conditions related to Activity 3 (b) - Cement Plant All Stand alone grinding units Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06

Annex-I

11. Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.
12. The gaseous emissions from various process units should conform to the load/mass based standards prescribed by the MoEF & CC and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
13. Cement grinding shall be carried out in closed cement mill. Further, provision of dust extraction and pollution control system consisting of highly efficient Bag Filters and ID Fan should be provided for Cement Mill, Clinker Silo, Fly Ash Storage Silo, Cement Silo, Wagon and Gypsum Crushing Plant with adequate stack height. Stack emissions shall be monitored at regular intervals and records maintained.
14. Transportation of fly ash to the plant should be brought through closed / covered tankers and stored in silo without any air pollution at transfer point.
15. Regular water sprinkling should be done on the roads inside the plant and other high potential areas to control the fugitive dust emission.
16. Suction head should be provided at all transfer dust emission.
17. Groundwater shall not be abstracted without prior permission of competent authority i.e., Central Ground Water Authority.
18. Process effluent discharge is not permitted. No waste water will be generated from production process by adoption of dry grinding process. Cooling water will be recycled in the process, if any.
19. All the pollution control devices/equipment in the grinding unit shall be interlocked so that in the event of the pollution control devices/system not working, the respective unit (s) shut down automatically.
20. Clinker manufacturing at plant site is not permitted under this environmental clearance.
21. Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
22. Regular monitoring of influent and effluent, surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the MPPCB or described under the Environment (Protection) Act, 1986 whichever are more stringent.


(H.S. Verma)
Member


(Waseem Akhtar)
Chairman

3 (b) - Cement Plant All Stand alone grinding units

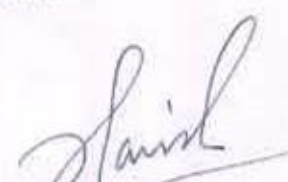
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Issued Vide No. 8476-72/AA/EPCCO
Dated 30.11.15

Standard Conditions related to Activity 3 (b) - Cement Plant All Stand alone grinding units Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06

Annex-I

23. Triple storied green belt shall be developed in at least 33% area in and around the cement plant as per CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
25. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB (A) (daytime) and 70 dB (A) (night-time) and its subsequent amendments.
26. All internal roads should be concrete /pitched / paved. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper House Keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
27. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
28. Adequate measures to be adopted to ensure industrial safety.
29. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
30. The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided to collect runoff water/rain water for proper disposal to avoid water stagnation/ ponding within the project site.
31. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

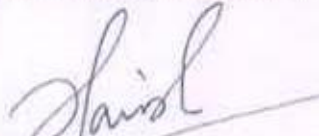

(H.S. Verma)
Member



(Waseem Akhtar)
Chairman

Standard Conditions related to Activity 3 (b) - Cement Plant All Stand alone grinding units Category B projects under the Schedule of Ministry of Environment and Forests, Gol Notification dtd 14-09-06

Annex-I

32. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
33. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF & CC, Gol, and its Regional Office, Bhopal.
34. The Regional Office, MoEF & CC, Gol, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, and Environmental Monitoring Plan as approved by SEAC should be submitted to Regional Office, MoEF & CC, Gol, Bhopal & MPPCB within six months.
35. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF & CC, Gol, Bhopal, MP PCB within six months.
36. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
37. The Project Proponent shall 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 also at web site of the MoEF & CC, Gol and State Level Environment Impact Assessment Authority (SEIAA) at www.environmentclearance.nic.in & www.mpseiaa.nic.in & and a copy of the same shall be forwarded to the Regional Office, MoEF & CC, Gol, Bhopal.
38. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority, viz. CPCB, MPCB and Regional office of MoEF, Gol at Bhopal on 1st June and 1st December of each calendar year.
39. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.
40. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act,


(H.S. Verma)
Member


(Waseem Akhtar)
Chairman


3 (b) - Cement Plant All Stand alone grinding units

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Dated 30.11.15


Standard Conditions related to Activity 3 (b) - Cement Plant All Stand alone grinding units Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06

Annex-I

- 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
41. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 along with amendments and rules.
 42. 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.
 43. The Environmental Clearance shall be valid for a period of five years from the date of issue EC as per EIA Notification, 2006 Para 9.
 44. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
 45. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF & CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 46. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF & CC, GoI.
 47. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.


(H.S. Verma)
Member

3 (b) - Cement Plant All Stand alone grinding units


(Waseem Akhtar)
Chairman

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