

**STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), Bihar**

Ref. No- 336

Patna- 23, Date- 05/09/16.

To,

1. **Dr. Ashok Kumar Ghosh,**  
Professor and HoD, Research Centre  
Mahavir Cancer Research Institute and Research Centre, Patna
2. **Dr. Nupur Bose,**  
Associate Professor, Department of Geography,  
A.N. College, Patna Boring Road, Patna-800013.
3. **Shri Vijay Kumar Sinha,**  
"Prasad Bhawan", R.K. Path, Pirmohani,  
Kadamkuan, Patna-800003.
4. **Dr. Kamesh Kumar,**  
Professor of Economics and Professor-in-Charge of MBA,  
A.N. College, Patna Boring Road, Patna-800013.
5. **Dr. Jitendra Singh,**  
Retired Vice-Chancellor, 'BRAJ', Behind Post Office,  
L.B. Shastri Nagar, Patna-800023.
6. **Prof. Shatrunjay Kumar Singh,**  
Professor of Botany, Department of Environment and Water Management,  
A.N. College, Patna Boring Road, Patna-800013.
7. **Dr. Nityanand Singh Maurya,**  
Department of Civil Engineering,  
National Institute of Technology, Patna-800005.
8. **Prof. Chandan Bhar,**  
Department of Management Studies, Indian School of Mines,  
Dhanbad-826004.
9. **Dr. Ram Madhab Bhattacharjee,**  
Associate Professor, Department of Mining Engineering,  
Indian School of Mines, Dhanbad-826004, Jharkhand.

**Sub :-** Proceedings of State Expert Appraisal Committee which was held on 21.08.2016 in Board Room of Bihar State Pollution Control Board, Shastri Nagar, Patna.

Sir,

Please find enclosed Proceedings of State Expert Appraisal Committee which was held on 21.08.2016 for your perusal.

Sincerely Yours

(Shri S. Chandrasekar)  
Secretary, SEAC

**Proceedings of the State Level Expert Appraisal Committee (SEAC) dated 21-08-2016**

A meeting of State level Expert Appraisal Committee (SEAC) was held in the Board room of Bihar State Pollution Control Board, Beltron Bhawan, Shastri Nagar, Patna- 23 on 21-08-2016.

The Chairman and the following members of the committee were present in the meeting:

1. Dr. Ashok Kumar Ghosh, Chairman, SEAC
2. Shri S. Chandrasekar, Secretary , SEAC
3. Dr. Nityanand Singh, Maurya, Member, SEAC
4. Shri Vijay Kumar Sinha, Member, SEAC
5. Prof. Shatrunjay Kumar Singh, Member, SEAC
6. Dr. Nupur Bose, Member, SEAC

The proceeding of the last meeting of SEAC dated 02-07-2016 was confirmed by the committee.

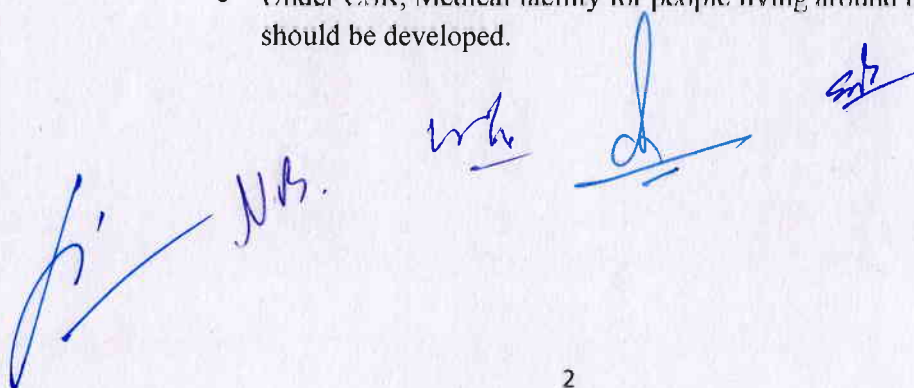
The Various projects records were put up before the committee by the supporting staffs/officers working with SEIAA as per the agenda which was prepared on the basis of scrutiny fee received by SEAC, Secretary and after discussion in the committee meeting the records were sent back and kept by SEIAA.

The committee discussed the proposal on the agenda and made following recommendations for various projects and sought compliance of the points raised against some of the projects as given below:

**1. M/s. Hindustan Petroleum Corporation Ltd., Village- Industrial Growth Center Tehsil- Maranga, District- Purnea, State- Bihar Pin- 854 301 :-**

The proponent & Consultant presented the proposal before the committee. The committee recommended to issue the ToR for expansion. (Annexure- I)

- The Project proponent should improve the plantation cover to 33% of the total campus area.
- Under CSR, Medical facility for people living around the project site should be developed.

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2. **Residential Building Project of Majestic Construction & Developers Pvt. Ltd., Village - Danapur, Tehsil - Patna rural, District - Patna, State - Bihar. :-**

The proponent & Consultant presented their proposal before the committee. The SEAC decided to make a site visit of the area. A team comprising Shri S. Chandrasekar, SEAC Secretary, Shri Shatrunjay Kumar Singh, SEAC Member, Dr. Nityanand Singh Maurya, SEAC Member, Shri Chandan Kumar, Technical officer and submit its report before the next presentation.

3. **GEN - X LANDMARK Developers:- GEN X Infra Homes Pvt. Ltd., At.- Jalalpur, Danapur, Patna :-**

The proponent & Consultant presented their proposal before the committee. The SEAC decided to make a site visit of the area. A team comprising Shri S. Chandrasekar, SEAC Secretary, Shri Shatrunjay Kumar Singh, SEAC Member, Dr. Nityanand Singh Maurya, SEAC Member, Shri Chandan Kumar, Technical officer and submit its report before the next presentation.

4. **Proposed Clinker Grinding Unit of 5.5 Million TPA Cement (OPC, PPC, PSC & SSC) Capacity (Area- 35 Acres) Near Village Pakhnaha Shiuram, Tehsil & Dist Muzaffarpur, Bihar :-**

The proponent & Consultant presented their proposal before the committee. Proponent has submitted a letter the mentioned that land purchased area 7.918 acre and agreement 10.81 acre and rest is under process.

As requested by the proponent, the committee accepted to issue ToR for 35 acres. ToR condition (Annexure- II)

5. **Madhepura Medical College, Madhepura :-**

From the proponent Mr. Harish Kumar, Chief Engineer, BMSICL is present. This is a case of violation of EIA provisions, so the committee unanimously decided to refer the project under reference to SEIAA for taking necessary action

*h* *N.B. wh* *ch* *st* *Shri Singh*



**6. Stone Mining Project :-**

**A. Stone Mining Project, Area – 8.91 Ha, Vill- Pahare, Tehsil- Sambhuganj,  
District- Banka.**

The Project Proponent presented his proposal before the committee As per District Mining Officer Letter No. 882 dated 29.06.16 the proposal falls under B<sub>2</sub> category. The proponent also submitted a letter from Divisional Forest Officer, Banka issued vide his letter no. 466, dated -09.04.16. The letter mentioned that Forest Land is 08 Km far away from Mauja Pahare, Khata No.- 43, Plot No.-163. The proponent also submitted letter issued by the Circle Officer, Banka vide his letter no.-677, dated-28.07.16. As per this letter there is no nearby International archeological, national monuments, School, Dispensary or Hospitals within 500 meters but there is house.

As per resubmitted Circle officer Letter No. vide 379, dated 23-08-16 by proponent, there are 13 to 15 houses at 300 meters. Proponent also submitted a letter regarding scaling down the production capacity and to increase the no of plant.

As there is no explicit provision mandating SEAC to fix sitting criteria for stone mining activity, the committee decided to request SEIAA to convene a joint meeting to decide on the sitting criteria.

**B. Matohkhar & Surdaspur Stone mine Project, Block No.- 04, Area- 5.06  
Hectare, Sheikhpura.**

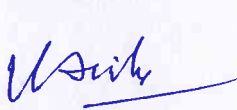
The proposal was put up in the last meeting dated 20-12-2015 Committee decide to issue ToR. After issue of ToR the final EIA report submitted on 27-06-2016. The proponent & Consultant presented the final EIA report. The Committee observed that the consultant of the project proponent is not accredited as on date, but the same was ~~pending~~ <sup>for pending</sup> accreditation while conducting the EIA study. The Consultant stated they have submitted application before the MoEFF&CC and they are awaiting the approval. In this light, the committee referred the D.O. No. J-11011/77/2008-IA-II(I) dated 17<sup>th</sup> March, 2016 of MoEFF&CC regarding fresh accreditation and accordingly accepted the final EIA and recommended issuance of Environmental Clearance. (Conditions as Annexure-III)

It has been resolved that the next meeting of SEAC will be held on 2016 and the Agenda would be communicated to all member and concerned, one week prior to the date of the meeting.

Apart from that, the committee also decided the following for all projects before the grant of environmental clearance.

- (I) Credible action should be taken by SEIAA, against the violation cases as per the latest MoEF&CC / NGT guidelines.
- (II) Affidavit related to violation / non violation cases may be procured from all the proponents.
- (III) The aforementioned two Clauses I & II should be also applicable for the cases recommended by SEAC in the meetings held earlier.

The Member-Secretary thanked the Chairman and members present in the meeting for participation and deliberation, and the meeting was declared closed with the permission of the Chairman, SEAC.



(V. K. Sinha)  
(Member, SEAC)



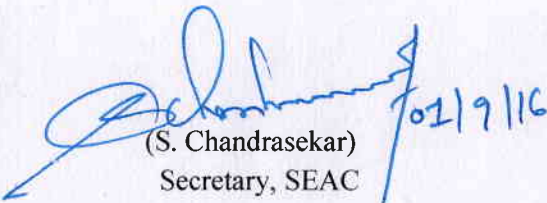
(Dr. N.S. Maurya)  
(Member, SEAC)



(Dr. S.K. Singh)  
(Member, SEAC)

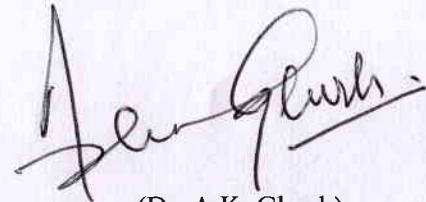


(Dr. Nupur Bose)  
(Member, SEAC)



02/9/16

(S. Chandrasekar)  
Secretary, SEAC



(Dr. A.K. Ghosh)  
Chairman, SEAC

## (Annexure – I)

1. Executive Summary of the Project
2. Land used details of the Site based on Satellite imagery.
3. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
4. Project Description and Project Benefits.
5. Proposal for safety buffer zone around the proposed site with map.
6. Detailed layout plan with provision of trucks parking area and storage tanks and other associated facilities
7. Details of the storage and technical specifications with safety aspects & standards.
8. Site details including satellite imagery for 5 km around the site by delineating land use pattern.
9. Land use along with maps (By using satellite imagery data) & cropping pattern, vegetation, Flora & Fauna.
10. Details within 500m with respect to all establishments/railway line/habitation etc.
11. Demography & Socio-economics of the area.
12. Baseline 3 Months of Monitoring AAQ data (except monsoon)) for air, water and soil for: 8 locations .The monitoring stations shall be based CPCB guidelines
  - I. Ambient Air Quality monitoring for PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> CO and other parameters relevant to the project shall be collected.
  - II. Background levels of hydrocarbons (methane & non methane HC) and VOCs.
  - III. Soil Sample analysis.
  - IV. Base line underground and surface water quality in the vicinity of Project.
  - V. Climatology & Meteorology including wind speed, wind direction, temperature, rainfall etc.
  - VI. Measurement of Noise levels.
13. Details of water consumption and source of water supply, waste water generation, treatment and utilization of treated water generated from the facilities and effluent disposal.
14. Detailed solid waste generation, collection, segregation, its recycling and reuse, treatment and disposal.
15. Assessment of impact on air, water, soil, solid/hazardous waste and noise levels.
16. Details of proposed preventive measures for leakages and accident.
17. Adequate width of approach road to avoid congestion and to have safe exit in emergencies.
18. Environmental Management Plan.
19. Details on list of hazardous chemicals to be stored along with storage quantities at the facility, their category (as per MSIHC Rules), MSDS.
20. Mode of receiving hazardous chemicals in isolated storages and mode of their dispatch.
21. Layout plan of the storage tanks and other associated facilities.
22. Details on types and specifications of the storage facilities including tanks, pumps, piping, valves, flanges, pumps, monitoring equipments, systems for emissions control safety controls including relief systems.

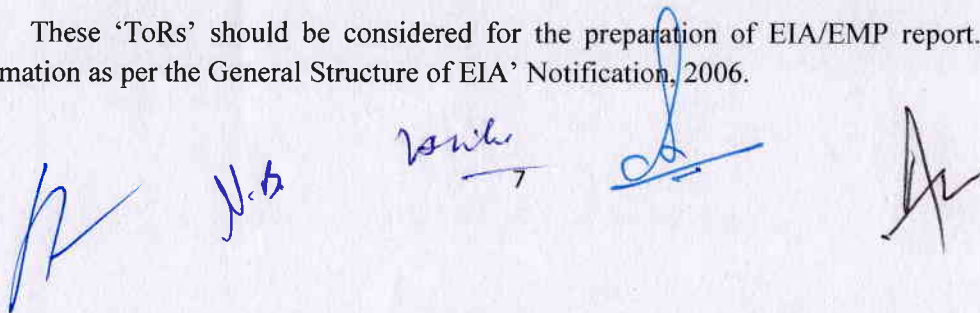


23. Arrangements to control loss/leakage of chemicals and management system in case of leakage.
24. Risk Assessment & Disaster Management Plan.
  - I. Identification of hazards
  - II. Consequence Analysis
  - III. Risk Assessment & proposed measures for Risk Reduction
  - IV. Action Plan for fire fighting facility as per OISD 117 norms.
  - V. Details of domino effect of the storage tanks and respective preventive measures including distance between storage units in an isolated storage facility.
  - VI. Onsite and offsite emergency preparedness plan.
25. Details of proposed occupational Health Surveillance program for the employees and other labour.
26. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
27. Environmental Monitoring Programme.
28. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment. Socio-economic development activities need to be elaborated upon.
29. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project if so, details thereof.
30. A tabular Chart indicating point-wise compliance of the ToR.






**The Following general points should be noted :**

- (i) All documents should be properly indexed, page numbered.
- (ii) Period/date of data collection should be clearly indicated.
- (iii) Authenticated English translation of all material provided in Regional Languages.
- (iv) The letter/application for EC should quote the SEIAA, Bihar file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the SEAC, Bihar should be also attached as an annexure to the final EIA-EMP Report.
- (vi) The final EIA-EMP report submitted to the SEIAA, Bihar must incorporate the issues in this letter. The index of the final EIA-EMP Report must indicate the specific chapter and page no of the EIA- EMP Report where the above issues have been incorporated.
- (vii) While preparing and submitting the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF&CC vide U.M. No J-1103/41/2006-IA.II (I) dated 4<sup>th</sup> August, 2009; O.M. No. J-1105/333/2009-IA.II(M) dated 25<sup>th</sup> Feb 2010 and -11013/41/2006-IA.II (I) dated 5<sup>th</sup> October, 2011, which are available on the website of this Ministry should also be followed.

These 'ToRs' should be considered for the preparation of EIA/EMP report. Relevant information as per the General Structure of EIA' Notification, 2006.



The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc. in this regard circular no. B No J-11013/77/2004-IA II(I) dated 2<sup>nd</sup> December, 2009 available on the Ministry's Website <http://www.moef.nic.in> may be referred.

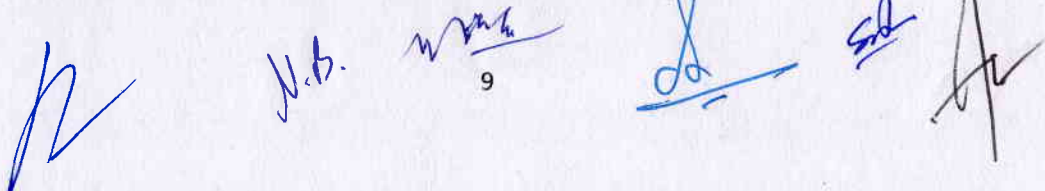
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## (Annexure- II)

### Executive Summary of the project

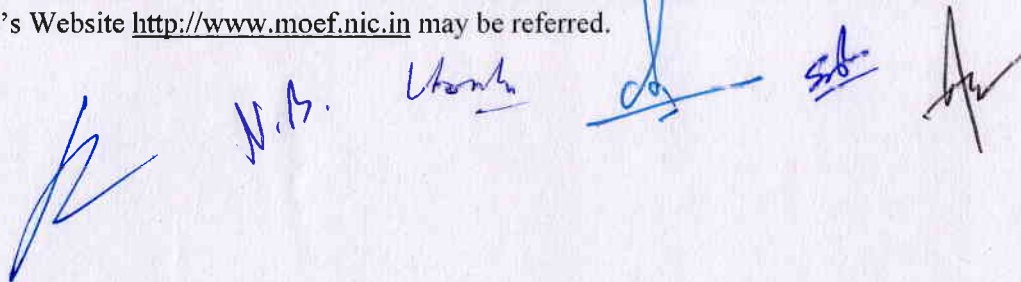
1. Detailed breakup of the land area along with latest photograph of the area.
2. Location of project site on topo sheet.
3. Present land use based on satellite imagery.
4. Details of site and information related to environmental setting within 10 Km radius of the project site.
5. Information regarding eco-sensitive area such as national park/wildlife sanctuary/biosphere reserves within 10 Km radius of project area.
6. Number of working days of the proposed cement grinding unit.
7. Total cost of the project along with item wise brake up.
8. Project site layout plan showing raw materials and other storage area, bore well or water storage tank, waste dumping areas, green areas, water bodies, rivers/drainage passing through the project site should be shown.
9. List of raw material required and source along with mode of transportation and mass balance for the raw material and products should be included.
10. Details of solid/hazardous waste & its action plan for management should be included.
11. Site specific micro meteorological data (one season) using temperatures, relatives humidity, hourly wind speed and direction and rainfall is necessary.
12. AAQ data (except monsoon season) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
13. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
14. Air quality modeling for specific pollutants needs to be done. APCS for the control of emissions should also be included to control particulate emissions within 50 mg/Nm<sup>3</sup>.
15. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
16. An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30<sup>th</sup> May, 2008.
17. Analysis of Ground water from 5 locations & surface water of nearby river (downstream & upstream) from 2 locations within 5 km, radius.
18. Permission for the withdrawal of ground water should be obtained from CGWA if applicable.
19. Rain Water Harvesting Action Plan
20. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with specific reference to rare, endemic and endangered species.
21. Impact of air and water discharge on human health around 5 km radius of the project site.
22. Noise levels monitoring at five locations within the study area.



23. Detailed Environment Management Plan (EMP) with specific reference to details of air pollution control system & wastewater management, monitoring & mitigation measure should be provided.
24. Disaster Management Plan for cement grinding project.
25. Details of occupational health surveillance programme
26. Details of socio-economic welfare activities to be provided.
27. Action Plan for post-project environmental monitoring.
28. At least 2.5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item wise details along with time bound action plan should be included.
29. Total capital cost and recurring cost/annum for environmental pollution control measure should also be included.
30. Any Litigation pending against the project and/or any direction/order passed by any court of Law against the project, if so, details thereof
31. Raw material being used/their source and impact on environment.
32. Source of energy and use of alternate source if any.
33. Percentage of fly ash being added to the cement and its source.
34. Expected increase in the dust/environment pollutants level and methods of their abatement.
35. Impact on the sub soil water level.
36. Sanitary and housing arrangements for the labour and staff working on the plant with their numbers.
37. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also Incorporated in the final EIA/EMP Report of the Project.
38. A tabular chart with index for point-wise compliance of above ToRs.

These 'ToRs' should be considered for the preparation of EIA/EMP report. Relevant information as per the General Structure of EIA' Notification, 2006.

The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc. in this regard circular no. B No J-11013/77/2004-IA II(I) dated 2<sup>nd</sup> December, 2009 available on the Ministry's Website <http://www.moef.nic.in> may be referred.

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### (Annexure- III)

#### **A. Specific Conditions**

1. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Bihar to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in MoEF&CC Guidelines.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
4. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area). No damage is to be done to fauna if found in Mining Lease (ML) area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handling over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
5. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Bihar / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities. Safety measures shall be adopted in line with DGMS Guidelines.
6. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
7. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
8. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
9. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the SEIAA, Bihar Patna/ BSPCB, Patna its nearest Regional Office on six monthly basis.

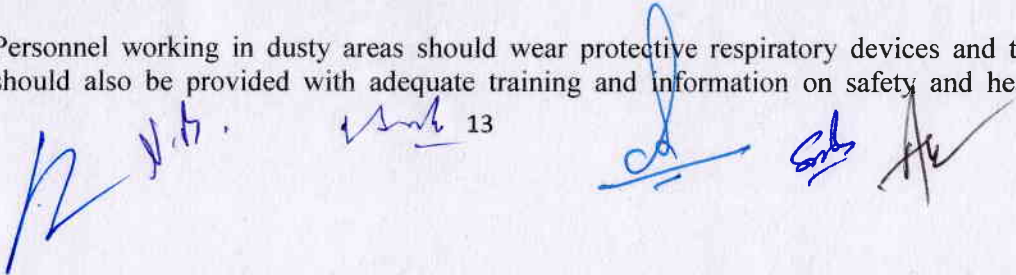


10. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
11. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
12. Greenbelt shall be developed all along the mine lease area. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. Plantation should be completed within 3 Years.
13. Toilet for BPL family must be provided and facilities of drinking water for villagers for its established of a tank for drinking water.
14. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
15. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Bihar / Central Ground Water Board.
16. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.
17. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
18. Drills shall either be operated with the dust extractors or equipped with water injection system.
19. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.

20. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
21. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
22. 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, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
23. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
24. The proponent shall submit mining closure plan to SEIAA Bihar, before the start of mining, failing which Environment Clearance shall be revoked.
25. The project proponent shall obtain NOC and Consent to establish/Consent to Operate from the Bihar State Pollution Control Board, Patna and effectively implement all the conditions stipulated therein.

#### **B. General conditions**

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Bihar, SEIAA, Bihar, Bihar State Pollution Control Board, Patna during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. 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

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aspects. 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.

9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring 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.
11. The SEIAA, Bihar directly shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
12. 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 SEIAA, Bihar.
13. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
14. All statutory clearances shall be obtained before start of mining operations.

#### **C. Other points**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine (generally 5 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Bihar for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Bihar and any other Court of Law relating to the subject matter.
5. 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.