

State Level Environment Impact Assessment Authority,
Jharkhand.

C – 170, Road No. 4, Ashok Nagar. Ranchi. Jharkhand. 834 002.
Tel #: 0651–2243488; Fax #: 0651–2243487.
E-mail: info@jseiaa.com; website: www.jseiaa.org

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Letter No. 240

Ranchi, Date: 20.01.2014

To:

M/s Upcountry Cement Pvt Ltd,
Debasish Ghosh (Director),
Vill.- & Post.- Jangalpur, P.S.-Govindpur,
Dist-Dhanbad,
Jharkhand. Pin -828 109.

Sub.: Proposed Cement Grinding Unit Phase-1(1*75 TPD) and Phase-2(1*75 TPD) , Vill – Jangalpur, Tehsil-Gobindpur, District – Dhanbad, Jharkhand - Prescribing of TOR- Regarding. (File No. EC/ SEIAA / 2013-14/89/2013)

Ref: Your application & Letter dated: 04-06-2013.

Sir,

Reference is invited to your letter along with the application in the prescribed format (Form-I) and a copy of the pre-feasibility report to prescribe the TORs for undertaking detailed EIA study for the purpose of obtaining environmental clearance under the provisions of the EIA Notification, 2006 in respect of the above mentioned project.

M/s. Upcountry Cement Private Ltd have proposed setting up of a Cement Grinding unit of 45,000 TPA Capacity by grinding of Clinker, Gypsum and Blast Furnace Slag at Village Jangalpur, Tehsil Govindpur, District. Dhanbad, Jharkhand. The project will be set up in two Phases each of 22,500 TPA Capacity. The total Plant area is 1.68 acres which has already been acquired. There are no National Park, Wildlife Sanctuary, Biosphere Reserve exist within 10 km radius of the study area. Total cost of the project is Rs. 2.46 Crores. Annual Cost towards Environmental Protection Measures is Rs. 2 Lakhs /annum.

PP informed that he will procure Clinker, Blast Furnace Slag and Gypsum through local agents / suppliers. To control particulate emissions, all major sources of air pollution shall be provided with Bag filters PP informed that he will adopt sun drying for BF Slag. No solid waste is generated in cement manufacturing process. Dust collected from the pollution control equipments is recycled back to the process.

The proposal was exempted from public hearing due to use of energy efficient technology, no clinker manufacturing at the proposed site, no sensitive area within 10 km. radius, 'zero' effluent discharge, utilization of all the solid waste in the process itself including utilization of fly ash etc.

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SEIAA, Jharkhand has approved the TORs suggested by SEAC in its meeting held on 16.12.2013.

After detailed deliberations, the Committee prescribed following TORs for undertaking detailed EIA/EMP study:

1. Executive summary of the project.

2. All documents including should be compatible with one another in terms of the production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. All corner coordinates of the project area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report. Compliance Report on conditions stipulated by DMO at the time of granting of lease shall be submitted in the EIA Report.
8. Photographs of the proposed plant area.
9. **A line diagram/flow sheet for the process and EMP**
10. Proposal should include necessary documents indicating acquisition of land.
11. **A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.**
12. Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10Km radius area from proposed site. The same should be used for land used/land-cover mapping of the area.
13. Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing land use/land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc. in 10 km of the project site.
14. A list of industries within 10 km radius of the plant area should be included in the EIA / EMP Report.
15. Details and classification of total land (identified and acquired) should be included.
16. Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) dumping, waste disposal, green areas, water bodies, rivers/drainage passing through the project site should be included.
17. List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
18. Quantification & Characterization of solid /hazardous waste & its action plan for management should be included.

19. Mass balance for the raw material and products should be included.
20. Collection of one season (non-monsoon) primary baseline data on ambient air quality (PM 2.5 & PM 10, SO₂ and NO_x), water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected baseline AAQ data should form part of EIA and EMP report. There should be at least one monitoring station within 500 m of the plant in the pre-dominant downwind direction.
21. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
22. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
23. 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 30th May, 2008.
24. Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
25. Source of surface / ground water level, site (GPS), cation, anion (Ion Chromatograph), metal trace element (as above) chemical analysis for water to be used. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.
26. Ground water analysis with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
27. 'Permission' for the drawl of water should be obtained. Water balance data must be provided. A note on the impact of drawl of water on the nearby River during lean season.
28. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground water Board.
29. Surface water quality of nearby River (60 m upstream and downstream) and other surface drains at eight locations must be ascertained.
30. If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1;10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
31. Pretreatment of raw water, treatment plant for waste water should be described in detail.
32. Action plan for solid/hazardous waste generation, storage, utilization and disposal from all the sources should also be included.
33. Action plan for the green belt development plan in 33 % area should be included. The species selected should be able to thrive on low nutrient soil. They should be able to adapt to local conditions and should be resistant to drought and extreme temperatures. PP should take up this activity immediately (since land has already been procured) and the details of plantation done should be given in EIA Report.
34. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.
35. Disaster Management Plan including risk assessment and damage control needs to be addressed and included.

36. Details regarding expected Occupational & Safety Hazards. Protective measures for Occupational Safety & Health hazards so that such exposure can be kept within permissible exposure level so as to protect health of workers. Health of the workers with special reference to Occupational Health. Plan of exposure specific health status evaluation of workers; pre placement and periodical health status of workers; plan of evaluation of health of workers by pre designed format, chest x ray, Audiometry, Spirometry Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG. during pre placement and periodical examinations and plan of monthly and yearly report of the health status of workers with special reference to Occupational Health and Safety.
37. At least 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. Socio-economic development activities need to be elaborated upon.
38. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
39. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so. details thereof should be included in the EIA Report.

Besides the above, the below mentioned general points should also be followed:-

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables. the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English. an English translation should be provided.
- e) All statutory clearances obtained for the project shall be included in the EIA Report.
- f) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered.

The prescribed TORs would be valid for a period of two years for submission of the EIA / EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010.

Sd/-

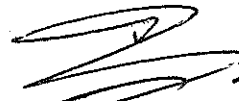
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No. 240

Dated: 20/11/2014

Copy to:

1. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
2. Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

