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**State Level Environment Impact Assessment Authority,
Jharkhand.**

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Letter No. 225

Ranchi, Date: 06/01/14

To:

Madho Prasad Goal,
M/s Jai Hanuman Cement,
Jamtara Road, P.O.-Birsingpur,
P.S.- Nirsa, Dist-Dhanbad,
Jharkhand. Pin -828 205.

Sub.: Proposed Cement Grinding Unit of 50 MTPD , Khata No.-50,47,49 Plot No.- 20, 21,18 ,
26,27,25,17,Vill-Ghutjora,P.O.-Birsingpur,P.S.-Nirsa,District-Dhanbad, Jharkhand -
Prescribing of TOR- Regarding. (File No.EC/ SEIAA / 2013-14/169/2013)

Ref: Your application & Letter dated: 25-10-2013.

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. Jai Hanuman Cement have proposed setting up of a Cement Grinding unit of 50 tpd Capacity by grinding of Clinker, Gypsum and Blast Furnace Slag at Village Ghutjora, P.O. & P.S. Nirsa, District. Dhanbad, Jharkhand. The total Plant area is 2.02 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. 1.24 Crores.

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.

No solid waste is generated in cement manufacturing process. Dust collected from the pollution control equipment 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, 'zero' effluent discharge, utilization of all the solid waste in the process itself including utilization of fly ash etc.

The PP and their consultant, M/s. Enviro Consultants (Technical person), Ranchi gave a presentation on the salient features of the project and proposed environmental protection measures to be undertaken. PP made a request to treat this Project under B2 Category. The Committee considered the request of PP and keeping in view that MOEF had granted B2 Category to a similar project i.e. M/s Mittal Cement agreed to the same. The Committee exempted the proposal from Public Hearing by categorizing it as B2 Category. However for other issues the Project will be treated as B1 Category.

In the joint meeting of SEIAA and SEAC held on 24th September 2013 the following decision was taken vide point 10 Quote " In case of B1 category project the EIA / EMP may be presented only by NABET / QCI registered / accredited consultants and presentation made by specific EIA co

ordinator or functional area expert and not by any other representatives of EIA consultant organizations. As far in respect of issue of TOR is concerned the presentation can be made by Project Proponent alongwith a technical person" Unquote. Considering the above the committee agreed to allow the PP to proceed with the presentation.

SEIAA, Jharkhand has approved the TORs suggested by SEAC in its meeting held on 21.12.2013.

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

1. Executive summary of the project.
2. Photographs of the proposed plant area.
3. A line diagram/flow sheet for the process and EMP
4. Proposal should include necessary documents indicating acquisition of land.
5. 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.**
6. 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.
7. 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.
8. 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.
9. Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, 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.
10. 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.
11. A list of industries within 10 km radius of the plant area should be included in the EIA / EMP Report.
12. Details and classification of total land (identified and acquired) should be included.
13. 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.

14. 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".
15. Quantification & Characterization of solid / hazardous waste & its action plan for management should be included.
16. Mass balance for the raw material and products should be included.
17. Energy balance data for all the components of plant should be incorporated.
18. Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.
19. Ambient air quality at 8 locations within the study area of 10 km., aerial coverage from project site with one AAQMS in downwind direction should be carried out.
20. The suspended particulate matter present in the ambient air must be analyzed for the presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction. Chemical characterization of RSPM and incorporating of RSPM data.
21. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.
22. Air quality modeling for specific pollutants needs to be done. APCS for the control of emissions should also be included to control emissions within 50 mg/Nm^3 .
23. Ambient air quality as per National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be included.
24. Air Quality Impact Prediction Modeling based on ISCST-3 or the latest models.
25. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
26. 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.
27. Presence of aquifer / aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
28. 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.
29. Ground water analysis with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
30. '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.
31. 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.
32. Surface water quality of nearby River (60 m upstream and downstream) and other surface drains at eight locations must be ascertained.
33. 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.
34. Pretreatment of raw water, treatment plant for waste water should be described in detail.
35. Ground water monitoring minimum at 8 locations and near solid waste dump zone, Geological features and Geo-hydrological status of the study area are essential as also. Ecological status (Terrestrial and Aquatic) is vital.

36. Action plan for solid / hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included.
37. 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.
38. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.
39. Geo-technical data by a bore hole of upto 40 mts. in every One sq. km area such as ground water level, SPTN values, soil fineness, geology, shear wave velocity etc. for liquefaction studies and to assess future Seismic Hazard and Earthquake Risk Management in the area and impacts due to land slides.
40. Disaster Management Plan including risk assessment and damage control needs to be addressed and included.
41. 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.
42. 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.
43. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
44. 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) The Questionnaire for environmental appraisal of LPG Bottling projects as prescribed by the Ministry shall also be filled and submitted.
- f) All statutory clearances obtained for the project shall be included in the EIA Report.
- g) 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.
- h) 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,

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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.

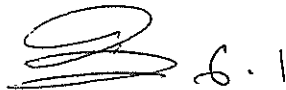
Sd-
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.


Memo No. 225.

Dated: 06/01/14.

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.


06/01/14

