



State Level Environment Impact Assessment Authority, Jharkhand.

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Letter No.-EC/ SEIAA / 2014-15 / 570/ 2014/ 901

Ranchi, Date: 01/05/15

To: Shri Sailendra Bakshi,
General Manager,
Manjhaldih, Tundi Road,
Giridih, Jharkhand. 815301.

Sub.: Prescribing of ToR to Regularisation cum Expansion of M/S Santpuria Alloys (P) Ltd
at Village-Manjhaldih, Tehsil- Gadisrirampur, Dist.-Giridih, Jharkhand - Regarding.

Ref: Your application & Letter dated:-22-12-2014.

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.

Santpuria Alloys (P) Ltd. (SAPL), located at Manjhiladih, Gadi Srirampur, Dist Giridih, (Jharkhand) has set up a 96 x 2 TPD Sponge Iron plant. The existing 1 x 96 TPD is working while another kiln 1 x 96 TPD is to be commissioned after Environmental Clearance and after obtaining "Consent to operate from Jharkhand State Pollution Control Board. The status of project is as follows:

1. With ref. to unit application no. 3680 dated 23/8/2004 No. objection certificate under section 25 & 26 of the water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (prevention & Control of Pollution) Act 1981 has been issued to the unit by JSPCB vide ref. no. N-435 dated 19-07-2005 for the production of sponge of 96 MT/Day.
2. Further with ref. to unit application no.-6467 dated 01/08/2006- No objection certificate under section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (prevention & Control of pollution) Act 1981 has been issued to the unit by JSPCB vide letter no. 3170 dated 19-09-2007 for the production of 192 TPD. This includes 96 TPD of existing unit also.
3. The unit falls in the category of 3(a) which is for Metallurgical industries (Ferrous and non ferrous). Sponge manufacturing unit of capacity <200 TPD-comes in the category of 'B' as per EIA notification 14th September, 2006. after expansion. The proposed capacity of sponge iron is 192 TPD including existing unit. Hence the plant needs environmental clearance from State Level Environment Impact Assessment Authority.
4. The unit is having "consent to operate" under section 25 & 26 of the Water (prevention & Control of pollution) Act, 1974 and under section 21 of the Air (prevention and Control of

Pollution) Act, 1981 for the period 01-0-2013 to 31-12-2013, period 1-1-2014 to 31-12-2014 and also for the period 1-1-2015 to 31-12-2015 for the production of sponge Iron of 96 TPD.

5. From aforesaid statement it is clear- that the unit is having NOC for the production of sponge Iron of capacity $96 \times 2 = 192$ TPD but having 'consent to operate' for the production of sponge iron of 96 TPD only.
6. After obtaining NOC (consent to establish) for 2nd unit of 96 TPD i.e. total 192 TPD – unit has established or expanded sponge Iron production capacity of 192 TPD.
7. This is case of violation of E.P Act, 1986 and accordingly violation of EI notification 14 Sept, 2006. As per EIA – notification – no construction work preliminary or otherwise, relating to the setting up of the project may be undertaken till the environmental clearance is obtained. PP has submitted are undertaking / Board Resolution which states that they will abide by the statutory requirements in future.

SFIAA, Jharkhand has approved the ToRs suggested by SEAC in its meeting held on 02.04.2015.

After detailed deliberations, the SEAC 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. 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.
8. All corner coordinates of the project area superimposed on toposheet should be provided.
9. Details of the technology and process involved in the project may be furnished.
10. The study area will comprise of 10 km zone around the project area and the data contained in the EIA such as waste generation etc. should be for the life of the project.
11. Land use of the study area delineating forest area, agricultural land, grazing land, waste land, built up area should be provided.
12. The land requirement should be optimized and furnished.
13. Evaluation of all Pollution Control devices of existing unit such as ESP, Bag filters and other dust collectors etc.
14. Anticipated Environmental Impacts and Minitigation measures covering existing and proposed facilities.
15. Contouring of factory premises and accordingly fixing storm water drainage system along with Rain Water Catchment pits with proper justification.

16. Social impact assessment which includes types of social-economic works in nearby villages for their welfare and pay due compensation to the affected people as per laws and Govt. Schemes.
17. Assessment of traffic density due to plant – through traffic census survey.
18. Assessment of Impact due to Rain Water Surface runoff in nearby river, nala and other water bodies. Details of water requirement met from water harvesting and also details of the facilities created.
19. Storm water management – within the site and assessment of adverse impacts along with Mitigation Measures.
20. Land use plan of the project area should be provided. This should encompass pre-operational, operational and post operational phases. 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.
21. Detailed material balance to be provided
22. Location of the proposed plant w.r.t. the source of raw material and mode of transportations of the ore from mines to the iron ore washing plant, and outbound movement of the products should be provided. Steps proposed to be taken to protect the ore from getting air borne to be given.
23. A list of industries within 10 km radius of the plant area should be included in the EIA / EMP Report.
24. Details of the solid waste to be generated and its management. Action plan for solid / hazardous waste generation, storage, utilization and disposal from all the sources should also be included.
25. Proposed treatment of runoff from the solid waste storage if any, should be provided. The water collected has to be analysed and reused in the plant.
26. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves (existing as well as proposed), if any, within 10 km of the project should be clearly indicated. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the State Wildlife Department/ Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished.
27. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the project) shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
28. Collection of one month (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.

29. 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.
30. Biological as well as health impact of fines and other dust generated in the plant should be studied. The proposed mitigation measures with EMP should also be provided.
31. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
32. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
33. 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 / Authority.
34. Pretreatment of raw water, treatment plant for waste water should be described in detail.
35. Details of water conservation measures proposed to be adopted in the project should be furnished. Details of water management including diversion ditches, settling pond etc. should be provided.
36. Ground water monitoring minimum at 4 locations and near solid waste dump Geological features and Geo-hydrological status of the study area are essential as also.
37. Impact of the project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
38. Impact on local transport infrastructure due to the project should be evaluated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) and whether it is capable of handling the increased load should be estimated. Arrangement for improving the infrastructure, if contemplated including action to be taken by other agencies such as State Government, if any, should be covered.
39. 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.
40. Details of the infrastructure facilities to be provided for the workers may be indicated.
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. 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. The details of plantation already done should be given.
43. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
44. Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension should be given.
45. Detailed environmental management plan to mitigate the environmental impacts due to the project should be prepared and furnished.
46. Risk assessment and disaster management plan should inter-alia include breach of tailing pond, if any, pipeline failure and over flow from the tailing pond etc., if any, proposed in the project.
47. The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage clearly showing the land features of the adjoining area.
48. 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.
49. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
50. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
51. Public hearing.

The following general points should be noted:

- i. Properly indexed, page numbered.
- ii. Period/date of data collection should be clearly indicated. (non-monsoon)
- iii. Authenticated English translation of all material in Regional languages should be provided.
- iv. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- v. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
- vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- vii. 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.11 (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.

- viii. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/ Laboratories including their status of approvals etc.

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 mining projects as prescribed by the Ministry shall also be filled and submitted.
- f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- 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, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH process again with the revised documentation.

The EIA report should also include

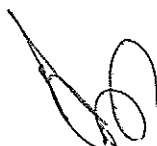
1. surface plan of the area indicating Contours of main topographic features, drainage and mining area,
2. geological maps and sections and
3. sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

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) part dated 22.08.2014.

After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.



Memo No.EC/SEIAA/2014-15/570/2014/ 901

Dated: 01.05.15

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.

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