



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834 004

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Letter No.- EC/ SEIAA / 2016-17/2020/2017

Ranchi, Date:

To: **Sri Rajeev Kumar Mishra (Executive Officer)**

Giridih Nagar Parishad,
At/PO - J. P. Chowk (Tower Chowk)
District – Giridih,
Jharkhand - 815301.

Sub: Prescribing of ToR to “Integrated Municipal Solid Waste Management Scheme of Giridih Nagar Panchayat at Village- Mohanpur, Dist. - Giridih”- regarding.

Ref: Your application no.- nil dated- 27.04.2017.

Sir,

Reference is invited to your letter along with the application in the prescribed format (Form-1) 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.

The proposal was considered by the committee to determine the “Terms of Reference (TOR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendments thereafter. For this purpose the project proponent has submitted the prescribed Form - I & PFR the proposed project falls under item 7 (i) (Common Municipal Solid Waste Management Facilities) as per EIA notification, 2006.

The proposed site for sanitary landfill development for disposal of municipal solid waste from Giridih Nagar Parishad present no activities is being carried out at the land. The site is approx 6.00 KM away from the main town.

The present scenario of Solid Waste Management in the city of Giridih is not up to the mark and need substantial improvement. Solid Waste Management is a responsibility of the Giridih Municipal Council and in spite of the substantial expenditure incurred on it, proper sanitary condition is not achieved. The Giridih town generates about 28.53 MT per day of solid waste. The main sources of solid waste generation are residential areas, commercial markets, slums, institutional organization like hospital, hostels and restaurants, small and big scale industries, construction and demolition waste (debris) etc., but the source wise quantity and quality data were not available with the authorities. This Integrated Municipal Solid Waste Management Project is designed for 20 years from the base year 2015 till year 2035. Total waste generated in year 2035 is 40.4 Mt/day.

Total waste generation from zone 1 is 8.97 MT out of that 6.37 MT of waste is generated from Household whereas waste generation from zone 2 is 8.27 MT out of that 5.88 MT of waste is

generated from Household whereas waste generation from zone 3 is 11.84 MT out of that 8.42 MT of waste is generated from Household.

Total Bio-degradable waste out of House hold waste of Zone 1, 2 & 3 is 4.46, 4.12 MT & 5.90 MT respectively. Whereas, Total Recyclable and inert waste out of House hold waste of Zone 1, 2 & 3 is 1.91, 1.77 MT & 1.55 MT respectively. Whereas non-household waste street sweepings from zone 1 & 2 are 2.58, 0.99 and 2.38, 0.82 MT respectively.

Biodegradable waste will proceed through biomethanation and mechanical composting. Recyclable waste shall be segregated and stored separately and would be sold through designated authorized vendors.

SEAC, Jharkhand has suggested the ToRs in its 46th meeting dated 27th and 28th July, 2017 and SEIAA, Jharkhand has approved the ToRs in its meeting held on 11th November, 2017

The salient features of the Integrated Municipal Solid Waste Management Scheme are as follows.

S. No.	Information	Details
1.	Project Name	Municipal Solid Waste Management Project at Plot No. 113, Khata No. 04, Village- Mohanpur, Dist.- Giridih, Jharkhand.
2.	Area	Total Area - 7.10 Acres Capacity of Processing Facility : Compost Plant - 50 MT / day Biomethanation Plant capacity - 3.4 TPD Sanitary Landfill capacity (for 13.5 years) - 52,719 cum
3.	Name of the client	Giridih Nagar Panchayat
4.	Location of site	Village- Mohanpur, Dist,- Giridih, State- Jharkhand.
5.	Water Requirement and its source	The Total water requirement will approx 20 KLD
6.	Power supply and its source	400 KVA Source - Jharkhand State Electricity Board (JSEB)
7.	Project cost	14.95 Crores
8.	Nearest Railway Station	Giridih Railway Station is approx 7.58 KM in SSE



9.	Nearest State Highway / National Highway	NH - 114 A is approx 3.4 KM towards SE
10.	Nearest Airport	Dhanbad Airport is approx 48.00 KM in SSE

After detailed deliberations, the SEAC prescribed following ToRs for undertaking detailed EIA/EMP study

The TORs prescribed for undertaking detailed EIA study are as follows:

1. The project should be designed based on the population projections as per Master Plan.
2. Submit a 10 km. radius map (on survey of India toposheet) showing co-ordinates of project site, national highway, state highway, district road/approach road, river, canal, natural drainage; protected areas, under Wild Life (Protection) Act, archaeological site, natural lake, flood area, human settlements (with population), industries, high tension electric line, prominent wind direction (summer and winter), effluent drain, if any and ponds etc. should be presented and impacts assessed on the same.
3. Details of alternative technologies viz. RDF shall also be evolved.
4. Details of storm water/ leachate collection from the composted area.
5. Details of monitoring of water quality around the landfill site. Water analysis shall also include for nitrate and phosphate.
6. Details of the odour and control measures to be adopted.
7. Details of impact on water bodies/rivers/ ponds and mitigative measures during rainy season.
8. Submit the criteria for assessing waste generation. Any segregation of hazardous and bio-medical wastes.
9. Submit the layout plan of project site showing solid waste storage, green belt (width & length, 33% of the project area), all roads, prominent wind direction, processing plant & buildings etc. should be provided.
10. Submit the land use certificate from the competent authority.
11. NOC from local or nearest airport within 20 km and any flight funnel restrictions.
12. Submit the status of ambient air quality and surface and ground water quality, soil type, cropping pattern, land use pattern, population, socio-economic status, anticipated air and water pollution.
13. Submit the topography of the area indicating whether the site requires any filling, if so, the details of filling, quantity of fill material required, its source and transportation, etc.
14. Details of impact on the drainage and nearby habitats / settlements (surroundings).
15. Details of surface hydrology and water regime and impact on the same.
16. Examine and submit the details of one complete season AAQ data (except monsoon) with the dates of monitoring, impact of the project on the AAQ of the area (including H₂S, CH₄).
17. Submit a copy of detailed plan of waste management.
18. Details of sanitary land fill site impermeability and whether it would be lined, if so details thereof.
19. Details of impact on environmental sensitive areas.
20. Details of rehabilitation/compensation package for the project effected people, if any.

21. Submit Environmental Management Plan and Environmental Monitoring Plan with costs and parameters.
22. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
23. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
24. Details of any litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
25. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
26. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Common Municipal Solid Wastes>".
27. 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.
28. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M) , dated 12.01.2017.

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No.-EC/SEIAA/2016-17/2020/2017 /221

Dated: 20/11/2017.

Copy to:

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

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Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

19/11/2017
20.11.17