



## State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834004

E-mail: [msseiaa.jhk@gmail.com](mailto:msseiaa.jhk@gmail.com)/[chr-seiaajhr@gov.in](mailto:chr-seiaajhr@gov.in)

website: [www.jseiaa.org](http://www.jseiaa.org)

Letter No. : EC/ SEIAA/2021-22/2436/2021/

Ranchi, Date:

To: **Bundu Nagar Panchayat,**  
Shri Ajay Kumar Saw (Executive Officer).  
Block Road, Block Campus.  
District – Bundu, Jharkhand - 835204.

Sub: Prescribing of ToR to “**Integrated Municipal Solid Waste Management Facility for Bundu Nagar Panchayat at Village : Bundu, Tehsil : Bundu, Distt. : Ranchi, Jharkhand**” (Proposal No. : SIA/JH/MIS/58082/2020) - regarding.

Ref: Your application no.- nil dated- 29.09.2021.

Sir,

It is in reference to the project “**Integrated Municipal Solid Waste Management Facility for Bundu Nagar Panchayat at Village : Bundu, Tehsil : Bundu, Distt. : Ranchi, Jharkhand**” submitted by you for seeking Terms of Reference (ToR).

This is a new project which was listed for consideration on 19.07.2022.

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.

This is a new project which was listed for consideration on 19.07.2022.

### Salient Features of the project :

S.No	Information	Details
1.	Project Name & Address	<b>Integrated</b> Municipal Solid Waste Management Scheme for Bundu Nagar Panchayat at Village : Bundu. Thana No. : 28. Tehsil : Bundu, District : Ranchi, Jharkhand.
2.	Khata no. & Plot no.	Khata no. : 1143, Plot no. : 5532, 5543, 5538, 5539

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3.	Facility Area	Total Area – 3.57 Acre Capacity of Processing Facility : 15 TPD Sanitary Landfill Capacity (20 Years) – 4851 Sqm
4.	Name of the Client	Bundu Nagar Panchayat
5.	Water Requirement and its Sources	Total Water Requirement = 52.16 KLD Fresh Water Requirement = 10 KLD Recycled Treated Waste Water = 42.16 KLD Source :- PHED Supply
6.	Power Supply and its source	100 KVA and source from Jharkhand State Electricity Board, JBVNL
7.	Project Cost	614.30 Laes
8.	EMP cost	Capital cost : 41 Lakh, Recurring cost : 9.5 Lakh
9.	Nearest Railway Station	Ranchi Railway Station 35.7 Km NW.
10.	Nearest SH/NH	NH-33 National Highway, 0.70 Km in SW direction.
11.	Nearest Airport	Birsa Munda Airport. Ranchi 34.60 Km in NW direction.

**Latitude & Longitude of the project :**

S No	Latitude	Longitude
1	23° 8'59.16"N	85°36'29.91"E
2	23° 8'58.48"N	85°36'31.65"E
3	23° 8'57.35"N	85°36'31.52"E
4	23° 8'57.26"N	85°36'31.75"E
5	23° 8'55.95"N	85°36'31.64"E
6	23° 8'55.31"N	85°36'31.37"E
7	23° 8'55.47"N	85°36'30.28"E
8	23° 8'55.35"N	85°36'30.16"E
9	23° 8'55.48"N	85°36'29.76"E
10	23° 8'55.15"N	85°36'29.66"E
11	23° 8'55.01"N	85°36'29.97"E
12	23° 8'53.77"N	85°36'29.92"E
13	23° 8'53.79"N	85°36'29.63"E
14	23° 8'53.54"N	85°36'29.52"E
15	23° 8'53.58"N	85°36'29.19"E
16	23° 8'53.07"N	85°36'29.01"E
17	23° 8'53.03"N	85°36'28.76"E
18	23° 8'52.76"N	85°36'28.73"E
19	23° 8'52.10"N	85°36'28.35"E

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20	23° 8'52.18"N	85°36'27.69"E
21	23° 8'52.05"N	85°36'27.53"E
22	23° 8'52.17"N	85°36'27.31"E
23	23° 8'52.35"N	85°36'27.28"E
24	23° 8'52.46"N	85°36'26.96"E
25	23° 8'54.35"N	85°36'27.50"E
26	23° 8'54.44"N	85°36'27.10"E
27	23° 8'56.09"N	85°36'28.00"E
28	23° 8'56.29"N	85°36'28.39"E
29	23° 8'56.69"N	85°36'28.50"E
30	23° 8'56.63"N	85°36'28.86"E

#### Statutory Clearances :

1	CO	:	The CO. Bundu, (Ranchi) vide letter no. 17, dated 09.01.2020 has mentioned the plot nos. of the project is not recorded as "Jangle Jhari" in R.S. Khatiyan & Register II.
2	DFO Wild Life	:	DFO, Wildlife Ranchi vide memo no. 55, dated 15.01.2021 certified that the National Park & Wildlife Sanctuary is not within 10 km from project site and proposed project is not situated in any ESZ.
3	DFO Forest Distance	:	DFO, Khunti Division vide letter no. 2875, Dated 25.10.2019 certified that the distance of reserved / protected forest is more than 250 m from proposed project site.

**Earlier this proposal was presented in SEAC on 18-27.02.2022 in which requisite documents were sought are under –**

- Contour Plan of project site not provided.
- Site specific photographs.
- Soil map & soil characteristic data not provided.
- Seismic map of project site not provided.
- Site selection criteria to follow CPHEEO manual and certified by competent authority.
- Overlay map of all site selection criteria.
- The quality & quantity of the sludge from ETP and its usage / disposal to be provided.
- Calculation of the life of landfill site to be provided.

**The Project Authorities have submitted the above mentioned documents.**

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Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meeting held during 15<sup>th</sup> – 22<sup>nd</sup> July, 2022 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study and alongwith following specific condition as recommended by SEAC :

SEAC, Jharkhand has suggested the ToRs in its 95<sup>th</sup> meeting held on 15<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup> and 22<sup>nd</sup> July, 2022 and SEIAA, Jharkhand has approved the ToRs in its 96<sup>th</sup> meeting held on 26<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> July, 2022.

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

**A. Standard Terms of Reference:**

1. Input & output analysis of heavy & toxic metals (including mercury) alongwith proposal for handling of the toxic components to be included in the EIA/EMP report.
2. The operator of the facility shall design and set up the facility as per the technical guidelines issued by the Central Pollution Control Board in this regard from time to time and the manual on solid waste management prepared by the Ministry of Urban Development, a plan in this regard to be included in the EIA/EMP report.
3. The operator of the facility shall be responsible for the safe and environmentally sound operations of the solid waste processing and or treatment facilities as per the guidelines issued by the Central Pollution Control Board from time to time and the Manual on Municipal Solid Waste Management published by the Ministry of Urban Development and updated from time to time, a plan in this regard to be included in the EIA/EMP report.
4. Leaching Test must be done and to be included in the EIA/EMP report and co-relate with lining of the dumping areas (thickness and leach proof) so that liquid would not Pollute ground water.
5. The project should be designed based on the population projections as per Master Plan.
6. 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.
7. Examine and submit details of alternative technologies viz. RDF shall also be evolved.
8. Examine and submit details of storm water/ leachate collection from the composted area.
9. Examine and submit details of monitoring of water quality around the landfill site. Water analysis shall also include for nitrate and phosphate.
10. Examine and submit details of the odour control measures.

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11. Examine and submit details of impact on water bodies/rivers/ ponds and mitigative measures during rainy season.
12. Submit the criteria for assessing waste generation. Any segregation of hazardous and bio-medical wastes.
13. Submit a copy of 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.
14. Submit a copy of the land use certificate from the competent authority.
15. NOC from local or nearest airport within 20 km and any flight funnel restrictions.
16. Submit a copy of 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.
17. Submit a copy of 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.
18. Examine and submit the details of impact on the drainage and nearby habitats/settlements (surroundings).
19. Examine and submit the details of surface hydrology and water regime and impact on the same.
20. 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 H<sub>2</sub>S, CH<sub>4</sub>).
21. Submit a copy of detailed plan of waste management.
22. Submit the details of sanitary land fill site impermeability and whether it would be lined, if so details thereof.
23. Examine and submit the details of impact on environmental sensitive areas.
24. Examine and submit the details of rehabilitation/compensation package for the project effected people, if any.
25. Submit Environmental Management Plan and Environmental Monitoring Plan with costs and parameters.
26. 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.
27. 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.
28. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.



29. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
30. 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>".
31. 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.
32. 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/2021-22/2436/2021/ 224

Dated: 06/08/2022

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand for information and necessary action.
2. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
3. Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.

Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand  
03/08/2022  
R. S. Y.