



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi, Jharkhand-834004

E-mail: msseiaa.jhk@gmail.com/chr-seiaajhr@gov.in
website: www.jseiaa.org

Letter No.- EC/SEIAA/2020-21/2514/2020/

Ranchi, Date:

To: **M/s Greenland Waste Management Enterprises (GWME),**
Anita Tania (Partner),
DD – 30, Salt Lake City.
Kolkata.

Sub: Prescribing of ToR to “Common Bio Medical Waste Treatment Facility of M/s Greenland Waste Management Enterprises (GWME) at Mauza : Beliadanga, P.S. : Maheshpur, Dist : Pakur, Jharkhand” (Proposal No : SIA/JH/MIS/71665/2022) - regarding.

Ref: Your application no.: Nil, Dated : 15.02.2022.

Sir,

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 (d) (a) Common Bio-Medical Waste Treatment Facility Projects as per EIA Notification, 2006.

This is a case of violation which has been taken for appraisal on 22.02.2022 in the light of OM no. F.No.22-21/2020-IA.III[E 138949] dated 28.01.2022 of MoEF&CC, Govt. of India, order passed by Hon'ble Apex Court in the matter of civil appeal no. 7576-7577 of 2021 in Electrosteel Steels Ltd. vs Union of India and SOS vide OM no. F.No. 22-21/2020-IA.III dated 07.07.2021 issued by MoEF&CC, Govt. of India.

The project involves development of Common Bio Medical Waste Treatment Facility which is categorized under Item 7 (d) (a) (Bio-Medical Waste Treatment Facilities) of the Schedule-Gazette Notification dated 17th April 2015. The project falls under category “B”. The total plot area of the unit is 5151.84 sq.m. The land for the proposed project is taken on lease in name of M/s Greenland Waste Management Enterprise (GWME) for the purpose of establishment of a Common Biomedical Waste Treatment Facility only.

Salient Features of The Project

S. No	Items	Details			
1.	Project name	Proposed Common Bio Medical Waste Management Facility. Pakur			
2.	Project Proponent	M/s Greenland Waste Management Enterprise (GWME)			
3.	Project capacity	As below:			
		S. No.	Particular	No.	Capacity
		1	Incinerator	1	200 kg/hr
		2	Autoclave	1	600 lt/batch
		3	Shredder	2	30 kg/hr x 2 nos.
		4	ETP	1	10 KLD
		5	Sharp pit	1	-
		6	Ash pit	1	-
4.	Category	B			
5.	Project address				
	Khasra numbers	1958, 1964, 1963, 1968, 1962, 1965			
	Village	Mauza Beliadanga			
	Tehsil	P.S. Maheshpur			
	District	Pakur			
	State	Jharkhand			
	Coordinates	Latitude: 24°29'23.08"N Longitude: 87°36'58.59"E			
6.	Nearest CBWTF	At Dhanbad ~220 km from the proposed site			
7.	Total Plot area	5151.84 sq.m. (1.27 acre)			
8.	Waste to be handled	4000 kg/day			
9.	No. of shifts	3			
10.	No. and types of vehicles for transportation/	12 nos. TATA V10: covered: 6 nos. + 1 (standby)			

Ar

Ar

Ar

	collection of waste	TATA V30: covered: 4 nos. + 1 (standby)		
11.	Trips to be made per day	10 trips/ day		
12.	Environmental sensitivity			
13.	Nearest Town/City	Amrapora	5.69 km	WNW
		Pakur	29.15 km	NE
14.	Nearest railway station	Pakur RS	29.3 km	NE
15.	Nearest highway	Amrapara-Maheshpur-Moraroi road	330 mt.	N
		SH 18	5.54 km	WNW
16.	Nearest airport	Sidho Kanhu airport	45.46 km	SW
17.	Nearest river/ water body	Bansloi Nadi	1.0 km	N
		Soru Nala	7.1 km	NNE
		Tantiduba Nala	13.5 km	NNE
		Kandaha Nala	4.8 km	NE
		Telipokhar Nala	10.4 km	ESE
		Suriudi nadi	6.3 km	SSW
		Baru nadi	13.3 km	SSE
		Trighana Nadi	14.4. km	SW
		Makarkandi nala	12.1 km	W
18.	Water requirement	15.4 KLD Daily Fresh: 9.4 KLD Recycled : 6 KLD		
	Source:	Bore well at site		
19.	Waste water generation	7.8 KLD		
	Trade effluent	7 KLD		
	Domestic sewage	0.8		

64

65

66

	Treatment	Trade effluent: ETP Domestic sewage: Septic tank followed by soak pit
20.	Power requirement	111 kVA (100 kW)
	Source	JBVNL, Jharkhand
21.	Back up source	DG set: 62.5 kVA (1 no.)
22.	Transformer	100 kVA
23.	Manpower	10 persons
24.	Project cost	341.82 Lacs

STATUTORY CLEARANCE

- The DFO, Wildlife Hazaribagh Vide Letter No. 799 Dated 19/04/2021 certified that the National Park & Sanctuary is not within 10 km from project site and proposed project is not situated in any ESZ.
- The DFO, Pakur Forest Division vide Letter No. 88 Dated 08/02/2021 certified that the distance of reserved / protected forest is more than 250 m from proposed project site.
- The CO, Maheshpur vide Letter No. 66, Dated 25/01/2021 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S Khatian & Register II.

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 18th – 27th February, 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 :

- i. **One month additional monitoring will be done during the month of March, 2022.**
- ii. **Certificate from competent authority is to be obtained stating that there is no other bio medical waste treatment facility within 75 km from this project.**

SEAC, Jharkhand has suggested the ToRs in its 93rd meeting dated 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th and 27th February, 2022 and SEIAA, Jharkhand has approved the ToRs in its 94th meeting held on 13th, 14th & 15th April, 2022.

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

A. Standard Terms of Reference :

1. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should

GA

Kb
4

h

- justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site..
2. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures
 3. Submit the present land use and permission required for any conversion such as forest, agriculture etc
 4. Examine the details of transportation of Hazardous wastes, and its safety in handling.
 5. Examine and submit the details of on line pollutant monitoring.
 6. Examine the details of monitoring of Dioxin and Furon.
 7. MoU for disposal of ash through the TSDF.
 8. MoU for disposal of scrubbing waste water through CETP.
 9. Examine and submit details of monitoring of water quality around the landfill site.
 10. Examine and submit details of the odour control measures.
 11. Examine and submit details of impact on water body and mitigative measures during rainy season.
 12. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
 13. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
 14. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
 15. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
 16. 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.
 17. 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.



18. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
19. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
20. 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/Incinerator..>

B. Other :

1. Examine base line environmental quality along with projected incremental load due to the project.
2. Environmental data to be considered in relation to the project development would be (a) land, (b) ground water,(c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations,(g) socio economic and health.
3. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding areas. Any obstruction of the same by the project.
4. Submit the details of the tree felling for the project.
5. Submit the present land use and permission required / obtained for any conversion such as forest, agriculture land etc.
6. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of E (P) Act.
7. Ground water classification as per the Central Ground Water Authority.
8. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
9. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water.
10. Examine details of solid waste generation, treatment and disposal.
11. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption and energy efficiency.
12. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
13. Examine road / rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.



14. Examine the details of transport of materials for construction which should include source and availability.
15. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
16. Submit details of a comprehensive Disaster Management Plan including emergency evacuation and fire during natural and man-made disaster.
17. Details of litigation pending or any notice received against the project, if any, with direction / order passed by any Court of Law against the Project should be given.
18. The State Govt. / SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986.
19. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
20. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
21. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
22. An assessment of the cumulative impact of all development and increased in habitation being carried out or proposed to be carried out by the project or other agencies in the core area, shall be made for traffic densities and parking capabilities in a 2 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA and the plan to be implemented to the satisfaction of all the concerned state departments and implementing agencies".
23. Management of solid waste and the Construction & Demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
24. Details of all construction input should be furnished for assessment of Ecological damage/ Environmental damage.
25. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

At

K6
4

11

26. Funds allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/ 2017-IA.III dated May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
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/2020-21/2514/2020/ 104

Dated: 16/04/2022

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 for information and necessary action.
3. Member Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand

SA

16/04/2022