



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), JHARKHAND)

To,

The Partner
 GREENLAND WASTE MANAGEMENT ENTERPRISE
 DD-30, Salt lake city, Kolkata -741152

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/JH/INFRA2/406943/2022 dated 15 Dec 2022. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B057JH153859
2. File No.	EC/SEIAA/2022-23/2514/2022
3. Project Type	New
4. Category	B
5. Project/Activity including Schedule No.	7(d)(a)Common Bio-Medical Waste Treatment Facility
6. Name of Project	Common Bio Medical Waste Management Facility, Pakur
7. Name of Company/Organization	GREENLAND WASTE MANAGEMENT ENTERPRISE
8. Location of Project	JHARKHAND
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 19/06/2023

(e-signed)
 Ashok Kumar, IFS
 Member Secretary
 SEIAA - (JHARKHAND)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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State Level Environment Impact Assessment Authority, Jharkhand

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

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),
Mrs. Anita Tantia (Partner),
96, Narkeldanga Main Road, Tantia Bari,
Kankurgachi, Kolkata, West Bengal, Kolkata – 700054.**

Sub: Environmental Clearance for the project “Common Bio Medical Waste Treatment Facility of M/s Greenland Waste Management Enterprises (GWME) at Mauza : Beliadanga, P.S. : Maheshpur, District : Pakur, Jharkhand” (Proposal No. SIA/JH/INFRA2/406943/2022) – regarding.

Ref: Your application no. GWME/AT/EIA/2022-23/80, dated 24.11.2022.

Sir,

It is in reference to “Common Bio Medical Waste Treatment Facility of M/s Greenland Waste Management Enterprises (GWME) at Mauza : Beliadanga, P.S. : Maheshpur, District : Pakur, Jharkhand” submitted by you for seeking prior Environmental Clearances (EC).

This is a case of violation which has been taken for reappraisal on 23.02.2023.

The project is a violation case since the project proponent has started the construction without prior Environmental Clearance from State Environment Impact Assessment Authority (SEIAA), Jharkhand.

However, The Honorable Supreme court in its order dated 9th December 2021 In the matter of the Civil appeal No 7576-7577 of 2021 in the Electro steel Steels Limited Vs Union of India and Ors in its para 93 has inter- alia observed the following :

“The interim order passed by the Madras high Court appears to be misconceived. However, this court is not hearing an Appeal from that interim order. The interim stay passed by the Madras High court can have no application of operations of the Standard Operating Procedure to the projects in territories beyond the territorial jurisdiction of Madras High court. However, final decision may have been taken in accordance with the Orders/ Rules prevailing prior to 7th July, 2021.”

Thus, the SEIAA, Jharkhand, in the light of Hon'ble Supreme Court order dated 9th December 2021, Office Memorandum no. F.No.22-21/2020-IA.III[E 138949] dated 28.01.2022 of MoEF&CC, Govt. of India and Standard Operating Procedure (SOP) issued by MoEF&CC, Govt. of India vide its file number 22-21/2020-IA-III, dated 07.07.2021, the matter has been taken for consideration & recommendation of EC for violation projects.

The State Expert Appraisal Committee, Jharkhand deliberated the project during its 93rd meeting held on 18-27.02.2022 and SEIAA, Jharkhand has approved the violation ToRs in 94th meeting held on 13th, 14th & 15th April, 2022. TOR for the project was issued by SEIAA, Jharkhand vide letter no. 104, date 16.04.2022. The final EIA / EMP submitted by PP to SEIAA on 23.11.2022 and which was forwarded to SEAC on 24.11.2022.

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/ collection of waste	12 nos. TATA V10: covered: 6 nos. + 1 (standby) 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 Pakur	5.69 km 29.15 km	WNW NE
14.	Nearest railway station	Pakur RS	29.3 km	NE
15.	Nearest highway	Amrapara-Maheshpur-Moraroi road SH 18	330 mt. 5.54 km	N WNW
16.	Nearest airport	Sidho Kanhu airport	45.46 km	SW
17.	Nearest river/ water body	Bansloi Nadi Soru Nala Tantiduba Nala Kandaha Nala Telipokhar Nala Suriudi nadi Baru nadi Trighana Nadi Makarkandi nala	1.0 km 7.1 km 13.5 km 4.8 km 10.4 km 6.3 km 13.3 km 14.4. km 12.1 km	N NNE NNE NE ESE SSW SSE SW 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
	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 proposed project site is outside Eco Sensitive Zone of Udhawa Lake Bird Sanctuary.
- 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 Khatiyani & Register II.
- JSPCB, Ranchi vide Ref. no. : PC/PH/DMK/12/2022/B-2352, dated 16.11.2022 informed that Public Hearing conducted on 15.09.2022.

Earlier this proposal was presented in SEAC on 07 - 11.12.2022 in which requisite documents were sought are under –

- i. The criteria for the selection of the site is to be provided.
- ii. TCLP test to be conducted for project site & finding to be submitted.
- iii. Site layout shown was not clear. Clear layout plan showing location of RWH pits, STP and green belt at the project site is to be provided. Pictorial evidence of the same to be provided.
- iv. Details of air pollution control device to be provided.
- v. The impacts due to the project on the environment and the corresponding mitigation measures have not been adequately provided. The impacts has to be re-assessed and the corresponding mitigation measures has to be provided in details.





- vi. Specific area for handling including segregation of BMW waste to be defined and included in site plan.
- vii. Details of hospitals feeding BMW waste to said facility to be provided.
- viii. The BDL values of the water parameters analyzed to be provided.
- ix. Ecological Damage assessment & remediation plan and natural & community resource augmentation plan has to be re-worked as per MoEF&CC OM dated 28.01.2022 and latest CPCB guidelines.

The Project Authorities have submitted the above mentioned documents.

The PAs has proposed the remediation plan and natural & community resource augmentation plan before the Committee.

On the basis of above the State Level Expert Appraisal Committee (SEAC), Jharkhand recommended an amount of rupees 77 Lakh as per CPCB guidelines towards remediation plan and natural & community resource augmentation plan to be spent within a period 03 years. The details of summary of Natural resource and Environmental / Ecological Damage assessment with budgetary provision for expenditure under the below mention head for remediation :-

S. No.	Particulars	Details	Cost (Rs. In Lacs)
1.	Air Environment	Fund allocation to the local govt. hospital for treatment of respiratory diseases	20
2.	Socio economic environment	Establishment of science and computer lab in the neighbouring Govt. School	30
		Construction of rain water harvesting structures (2 nos. @ 2 lacs each:) at various locations such as Govt. school, PHC, community center etc. in nearby villages <i>(Construction of RWH will include cost of pipes to be laid from roof top to the RWH pit, channelization of storm water, and other associated civil costs as well)</i>	2
3.	Energy conservation	Installation of solar powered PV plant (10 KW) at nearby Govt. School	15
4.	Plantation	Tree Plantation (1000 trees) at Govt. School & nearby areas	10
Total cost			77 Lacs

- I. Total budgetary provision with respect to remediation plan and natural and community resource augmentation plan is Rs. **77 Lakhs**.
- II. Therefore, PAs shall be required to submit a bank guarantee of an amount of Rs. **77 Lakhs** towards implementation of remediation plan and natural and community resource augmentation plan with the Jharkhand State Pollution Control Board.





On the basis of 101st Minutes of Meeting of SEAC, the project Authority has submitted the Bank Guarantee to Jharkhand State Pollution Control Board, Ranchi, and the evidence of the same has been submitted to SEIAA, Jharkhand on **14.06.2023** bearing Bank Guarantee No. : **06950GWME248352** dated : **26.05.2023** valid up to **25.05.2026**.

- III. The bank guarantee shall be released after successful completion of remediation plan, duly recommended by the SEAC, Regional Office - MoEF&CC, Govt. of India and approval of regulatory authority. Remediation plan shall be completed in 03 years with the consultation of Local / Urban Bodies / State Govt. Deptt.
- IV. Approval / permission from CGWA shall be obtained before drawing ground water for the project activities, if applicable. Jharkhand State Pollution Control Board shall not issue Consent to Operate (CTO) until the PAs obtains such permission.
- V. PAs shall take necessary other clearances / permissions under various act and rules if any, from the respective authorities / departments.
- VI. STP of adequate capacity shall be established within the project premises.
- VII. Energy conservation measures adhering to part of ECBC norms shall be complied with.
- VIII. The penalty of rupees **3.76 Lakh** being 1.25% of the capital investment incurred and turnover till date (**Rs. project cost 3.41 Crores & turnover Rs. 1.40 crores**) shall be submitted to Jharkhand State Pollution Control Board in the form of demand draft.

On the basis of 101st Minutes of Meeting of SEAC, the project Authority has also submitted the penalty amount to Jharkhand State Pollution Control Board, Ranchi, and the evidence of the same has been submitted to SEIAA, Jharkhand on **14.06.2023** bearing **demand draft** no. : **506523** dated : **08.06.2023**.

- IX. Action will be taken for the violation by the Jharkhand State Pollution Control Board under the provision of section 19 the Environment (Protection) Act, 1986.

The PAs have submitted the above required documents.

- X. Jharkhand State Pollution Control Board and project Authorities will **ensure** that the amount of Bank Guarantee shall not be released/lapsed **till the completion** of remediation plan, natural and community resource augmentation plan as directed by MoEF & CC vide O.M. No. **F.No.22-21/2020-IA.III**, dated **07th July, 2021**. In case of non compliance of the said directions/conditions, the Environmental Clearance issued will be deemed to be cancelled with immediate effect.

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its 101st meeting held on 20th, 21st, 22nd, 23rd and 24th February, 2023.

State Level Environment Level Impact Assessment Authority (SEIAA), Jharkhand in its 102nd meeting held on 17th & 18th March, 2023 discussed the project proposal along with recommendations made by SEAC and decided to grant EC to the project.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to **“Common Bio-Medical Waste Treatment, Storage and Disposal Facility**



(CBMWTSDF) of M/s Nilawars Watergrace Waste Management Pvt. Ltd. at Plot no. : 955, Khata no. : 34 at Vill : Pochra, Tehsil : Mandu, District : Ramgarh, Jharkhand (1.37 Acre)” alongwith the following conditions -

A. Specific Conditions:

1. This Environmental Clearance is valid subject to the following condition below –
That this project has-
 - a. Obtained all legal rights to operate at concerned place.
 - b. Complied with all existing concerned laws of the land and
 - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.
2. No mining/activity shall be undertake in the forest land or deemed forest without obtaining requisite prior forestry clearance.
3. This Environmental Clearance is granted subject to final outcome of Hon`ble Supreme Court of India. Hon`ble High Court. Hon`ble NGT, MoEF & CC and any other Court of Law, if any, as may be applicable to this project.
4. Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWL, as may be applicable to this project (in case any fauna occurs / is found in the Project area or if the area involves forest land or Wildlife habitat i.e. core zone of elephant/tiger reserve etc. and or located with in 10 km. of protected area).
5. The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without undue delay, which till process on their respective merits, no rights will vest in or accrue to them unless all clearance are obtained.

C. SPECIFIC CONDITION:

1. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.
2. The unit shall strictly comply with the CPCB guidelines for setting up the Common Bio-Medical Waste Treatment Facility. [CBWTF]
3. Proponent shall strictly comply the design criteria for incinerator, autoclave and shredder as per the CPCB guidelines.
4. The unit shall strictly setup the dry technology system.
5. The unit shall strictly ensure mercury waste management at health care facility as per the CPCB guidelines.
6. The unit shall establish Standard Operating Procedure for waste collection, handling, transportation, treatment and disposal as per Biomedical Waste Management Rules, 2016.
7. Zero Liquid Discharge (ZLD) status shall be maintained all the time.



8. There shall be no drainage connections from the premises.

D. CONSTRUCTION PHASE:

1. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
2. Project-proponent shall ensure that surrounding environment shall not be affected due to construction activity.
3. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
4. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
5. First Aid Box shall be made readily available in adequate quantity at all the times.
9. The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act 1996 and Jharkhand rules made there under and their subsequent amendments. Local byelaws of concern authority shall be complied in letter and spirit.
10. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.
11. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
12. Safe disposal of sewage and municipal solid wastes generated during the construction phase shall be ensured.
13. All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.
14. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed of with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighboring communities.
15. Project proponent shall prefer use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.
16. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to all surroundings.



E. OPERATION PHASE:

1. Consent to Operate shall be obtained from JSPCB under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 before operation, failing which the Environmental Clearance herein shall be deemed to be withdrawn.
2. Authorization from Jharkhand State Pollution Control Board shall be obtained as applicable under Bio-Medical Waste Management Rules, 2016.
3. The Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016.
4. Incinerated ash, used oil, sludge salt, treated biomedical waste and ETP Sludge should be disposed in accordance with BMW Rules, 2016.
5. The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology/guidelines.
6. Guidelines published the Central Pollution Control Board from time to time for Common Bio Medical Waste Treatment published shall be referred for implementation.
7. There should not be any spillage from the transportation Vehicles.
8. The project proponent will set up separate Environmental Management Cell for effective implementation of stipulated environmental safeguards under the supervision of Senior Executive.
9. All the recommendations of EMP shall be strictly complied.
10. The environmental safeguards containing the EIA report shall be implemented in letter & spirit.
11. Necessary provision shall be made for firefighting facilities within the complex.
12. Treated flue gas emissions discharged through stack to atmosphere shall always be less than specific emission' standards.
13. Project Proponent shall ensure regular operation and maintenance of the ETP and printed logbook shall be maintained.
14. All the pipelines carrying water/ waste water should be distinguished using colour coding on raw water pipes and reuse lines of treated water.
15. Utilization of Diesel power generating sets is subject to power failure condition only. The DG sets proposed as a source of power back up during operation phase should be of



enclosed type, low sulphur diesel run and conform to rules made under the Environment (Protection) Act, 1986. The DG sets should be subjected to periodic noise and stack monitoring.

16. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
17. Energy Conservation measures such as LEDs light for common lighting of areas, signage etc should be adopted.
18. The unit shall develop 33% plot area as a green belt within premises as per the CPCB guidelines.
19. Authorization from Jharkhand State Pollution Control Board shall be obtained as applicable under Bio-Medical Waste Management Rules, 2016.
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34. Energy Conservation measures such as LEDs light for common lighting of areas, signage etc should be adopted.
35. The unit shall develop 33% plot area as a green belt within premises as per the CPCB guidelines.

F. WATER:

1. Total water requirement for the project shall not exceed 20 KL/day and wastewater generation would be around 15 KLD, the wastewater generated will be treated in ETP.
2. State Ground Water Board / Central Ground Water Board permission should be taken before water uses as per project requirement.
3. Waste water generation from floor washing, vehicle washing and Autoclaving (4 L/day) shall be treated in proposed ETP. (Cap. 15 KL/Day).
4. Entire quantity of treated waste water shall be reused for industrial purpose within the premises after conforming the JSPCB norms.
5. The unit shall provide adequate effluent treatment plant (ETP) comprises of Primary, tertiary treatment plants and it shall be operated regularly and efficiently so as to ensure reuse for quenching process.
6. Separate energy meter shall be provided at ETP. A proper operation logbook of the ETP containing records of quantities and qualities of treated effluent.
17. The domestic wastewater generation shall not exceed 2.4 KL/day for proposed project and it shall be disposed of into soak pit system.



18. The Zero wastewater discharge condition to be achieved with utilizing treated effluent for lime slurry preparation for spraying in reactor for quenching process as well as floor and vehicle washing.
19. The project proponent shall provide electromagnetic flow meter at the inlet & outlet of the water supply, Inlet & outlet of the ETP and shall maintain a record of readings of each such meter on daily basis.
20. The quantity of fresh water usage and water recycling shall be monitored & maintained so that water balance as projected by the project proponent. The record shall be submitted to the JSPCB, SEIAA & Regional Office, MoEF & CC along with six monthly monitoring reports.

G. AIR:

1. Regular monitoring of ground level concentration of PM10, PM2.5, NOx and VOC shall be carried out at the site and downwind direction and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the CPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately.
2. Proponent shall strictly follow the odour control measures as suggested in environmental management plan.
3. Proponent shall strictly follow the Environmental Monitoring Program [EMP] for Ambient Air Quality Monitoring (AAQM).
4. Treated flue gas emissions discharged through stack to atmosphere shall always be less than CPCB stipulated emission standards.
5. DG sets should be maintained as per the norms prescribed by Govt. of Jharkhand.
6. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
7. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.

H. SOLID/HAZARDOUS WASTE:

1. The Company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as may be amended from time to time. Authorization of the JSPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
2. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
3. Incinerator Ash, ETP sludge & salt sludge (From reactor) shall be disposed off at the nearby common TSDF.
4. Treated Biomedical plastic waste shall be sold out to JSPCB authorized recycler only.



5. Used Oil shall be either reused for lubrication in plant machineries or sold out to registered recyclers.
6. Discarded container / bags shall be either reused or sold only to the authorized recyclers.
7. Treated glass waste shall be sold out to JSPCB authorized recycler only.
8. Sharp waste shall be disposed through in-house designated concrete sharp pit and disposal to sanitary landfill.
9. The unit shall obtain necessary permission from the nearby TSDF site.
10. Trucks / Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
11. The design of the Trucks/tankers shall be such that there is no spillage during transportation
12. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
13. Management of fly ash (If any) shall be as per the Fly ash Notification, 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

I. SAFETY:

1. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Factories Rules of the State of Jharkhand.
2. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
3. Main entry and exit shall be separate and clearly marked in the facility.
4. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
5. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
6. All necessary precautionary measures shall be taken to avoid any kind of accident during loading, unloading and transportation of biomedical waste.
7. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
8. Only flame proof electrical fittings shall be provided in the plant premises.
9. All the waste storage room shall be marked with colour coding as per the CPCB guidelines time to time.
10. Proponent shall tie up with nearby health care facility for any emergency cases.
11. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.



12. First Aid Box in the unit shall be made readily available in adequate quantity.
13. Training shall be imparted to all the workers on safety and health aspects of biomedical waste handling.
14. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
15. Transportation of biomedical waste shall be done as per the provisions of the Motor Vehicle Act & Rules.
16. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.

J. NOISE:

1. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

K. GREEN BELT AND OTHER PLANTATION:

1. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in JIDC estate or any other open areas in consultation with the JIDC / JSPCB and submit an action plan of plantation for next three years to the JSPCB.
2. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

L. OTHER CONDITIONS:

1. Rain water recharging of surface as well as rooftop runoff shall be undertaken as per the guidelines / parameter of the State Ground Water Board / Central Ground Water Board and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.
2. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or JIDC or JSPCB or any such authority created for this purpose by the Govt. / JIDC.
3. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
4. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.



5. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIM or any other competent authority for the purpose for the environmental protection and management.
6. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
7. The project authorities must strictly adhere to the stipulations made by the Jharkhand Pollution Control Board (JSPCB), State Government and any statutory authority.
8. During biomedical waste unloading there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic waste water or storm water.
9. Pucca flooring impervious layer shall be provided in the work areas, biomedical waste storage areas and chemical handling areas to minimize soil contamination.
10. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority
11. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous & other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
12. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
13. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
14. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as JSPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
15. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the JSPCB and may also be seen at the Website of SEIAA/SEAC/JSPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the local / hindi language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
16. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated environmental clearance terms and conditions in



hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as JSPCB.

17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
18. The project authorities shall also adhere to the stipulations made by the Jharkhand State Pollution Control Board.
19. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
20. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
21. The project authorities shall inform the JSPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
22. This environmental clearance is valid for seven years from the date of issue.
23. It shall be mandatory for the project management to submit six (06) monthly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard copies and soft copies to the regulatory authority concerned Regional Office of MoEF & CC at Ranchi and Jharkhand State Pollution Control Board (J.S.P.C.B.), Ranchi/SEIAA/CPCB.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
25. The SEIAA, Jharkhand or any other competent Authority may alter modify the above conditions or stipulate any further condition in the interest of Environment Protection.
26. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
27. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No.- EC/SEIAA/2020-21/2514/2020/ 143

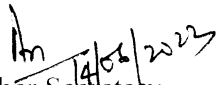
Dated : 14/06/2023

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District - Pakur, Jharkhand.
3. Divisional Forest Officer, Pakur Forest Division, Pakur, Jharkhand.



4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Integrated Regional Office, Ranchi, Ministry of Environment, Forest and Climate Change, 2nd Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Member Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand



