

Letter No: ESL-IOO/HSE/ SPCB/24-25/17

Date: 29.06.2024

To

The Member Secretary,
State Pollution Control Board,
A/118, Nilakantha Nagar,
Bhubaneswar, Odisha-751012.

Sub: Submission of Biomedical waste Annual Returns Form 4 for Nadidihi Iron and Manganese Ore Mines of M/S ESL Steel Ltd.

Reference 4706/IV-BMW-0458

Sir,

With reference to the above, we hereby submitting the Biomedical waste Annual Returns Form 4 for for Nadidihi Iron and Manganese Ore Mines of M/S ESL Steel Ltd for the time period January 2023 to December 2023

Thanking you

Yours faithfully

For M/S ESL Steel Ltd.



Mr. Biswanath Sahoo
Chief Operating officer
Nadidihi Iron and Manganese Ore mine

CC:

Regional Office State Pollution Control Board State government office
6RC5+FRG, Near Panposh Hockey Chowk Ronrkela - 769001

Annexure

1. Form 4 Annual report
2. Minutes of the meeting of Biomedical waste committee
3. Disposal records of biomedical waste

Form - IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars	
1.	Particular of the Occupier	
	(i) Name of the authorised person (occupier or operator of facility)	Nadidihi Iron and Manganese Ore Mine of M/S ESL Steel Limited
	(ii) Name of HCF or CBMWTF	Mediaid Marketing Services
	(iii) Address for Correspondence	
	(iv) Address of Facility	At Rengalbeda Koira Region
	(v) Tel. No, Fax. No	
	(vi) E-mail ID	https://sesagoaironore.com/
	(vii) URL of Website	
	(viii) GPS coordinates of HCF or CBMWTF	21.9718 Latitude 85.256 Longitude
	(ix) Ownership of HCF or CBMWTF	(State Government or Private or Semi Govt. or any other) Private
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	Authorization No.: 4706/IV-BMW-0548 valid up to Life time
(xi). Status of Consents under Water Act and Air Act	Valid up to: 31.03.2025	
2.	Type of Health Care Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	Health Care Facility (Dispensary)
	(iii) License number and its date of expiry	NA
3.	Details of CBMWTF	Not Applicable
	(i) Number healthcare facilities covered by CBMWTF	
	(ii) No of beds covered by CBMWTF	
	(iii) Installed treatment and disposal capacity of CBMWTF:	7 Metric tonne per



	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	6000 Kg/day																																																
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	<table border="1"> <tr> <td>Yellow Category:</td> <td>528.67 gm</td> </tr> <tr> <td>Red Category:</td> <td>792.67 gm</td> </tr> <tr> <td>White:</td> <td>355.83 gm</td> </tr> <tr> <td>Blue Category:</td> <td>200.83 gm</td> </tr> <tr> <td>General Solid waste:</td> <td>0</td> </tr> </table>	Yellow Category:	528.67 gm	Red Category:	792.67 gm	White:	355.83 gm	Blue Category:	200.83 gm	General Solid waste:	0																																						
Yellow Category:	528.67 gm																																																		
Red Category:	792.67 gm																																																		
White:	355.83 gm																																																		
Blue Category:	200.83 gm																																																		
General Solid waste:	0																																																		
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																																		
	(i) Details of the on-site storage facility	:	<table border="1"> <tr> <td>Size</td> <td>: 32x32x39 cm</td> </tr> <tr> <td>Capacity</td> <td>: 20 litre</td> </tr> <tr> <td colspan="2">Provision of on-site storage: NA (cold storage or any other provision)</td> </tr> </table>	Size	: 32x32x39 cm	Capacity	: 20 litre	Provision of on-site storage: NA (cold storage or any other provision)																																											
Size	: 32x32x39 cm																																																		
Capacity	: 20 litre																																																		
Provision of on-site storage: NA (cold storage or any other provision)																																																			
	(ii) Details of the disposal facilities (Not Applicable as there is no treatment)	:	<table border="1"> <thead> <tr> <th>Type of treatment equipment</th> <th>No of units</th> <th>Capacity of acit</th> <th>Quantity treated or disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Autoclaves</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Microwave</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hydroclave</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Shredder</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sharps encapsulation or concrete pit</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Deep burial pits:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemical disinfection:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Any other treatment equipment:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of treatment equipment	No of units	Capacity of acit	Quantity treated or disposed in kg per annum	Incinerators				Plasma Pyrolysis				Autoclaves				Microwave				Hydroclave				Shredder				Needle tip cutter or destroyer				Sharps encapsulation or concrete pit				Deep burial pits:				Chemical disinfection:				Any other treatment equipment:			
Type of treatment equipment	No of units	Capacity of acit	Quantity treated or disposed in kg per annum																																																
Incinerators																																																			
Plasma Pyrolysis																																																			
Autoclaves																																																			
Microwave																																																			
Hydroclave																																																			
Shredder																																																			
Needle tip cutter or destroyer																																																			
Sharps encapsulation or concrete pit																																																			
Deep burial pits:																																																			
Chemical disinfection:																																																			
Any other treatment equipment:																																																			
	Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	:	Red Category (like plastic, glass etc.) - 0.792 kg																																																
	(iii) No of vehicles used for and transportation of biomedical waste	:	Not applicable																																																
	(iv) Details of incineration ash and ETP sludge generated and	:	<table border="1"> <tr> <td>Quantity - Not Applicable generated</td> <td>Where disposed</td> </tr> </table>	Quantity - Not Applicable generated	Where disposed																																														
Quantity - Not Applicable generated	Where disposed																																																		

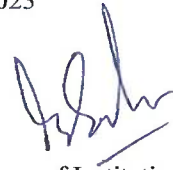

ESL STEEL LIMITED

	during the treatment of wastes in Kg per annum		Incineration Ash ETP Sludge
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	M/S Mediaid Marketing Services
	List of member HCF not covered over bio-medical waste.		
	If you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		Yes – Minutes of meeting is attached in Annexure 2
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.		2 trainings
	(ii) number of personnel trained		5 person of healthcare facility are trained
	(iii) number of personnel trained at the time of induction		0
	(iv) number of personnel not undergone any training so far		0
	(v) whether standard manual for training is available?		-Yes
	(vi) any other information)		
8	Details of the accident occurred during the year		Not Applicable – No accidents
	(i) Number of Accidents		
	(ii) Number of the persons		
	(iii) Remedial Action taken (Please attach details if any)		
	(iv) Any Fatality occurred, details.		
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not meet the standards?		Not Applicable as there is no incinerator
	Details of Continuous online emission monitoring systems installed		Not Applicable
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		Not applicable



11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	-
12	Any other relevant information	NA

Certified that the above report is for the period from January 2023 to December 2023



Signature of Institution Head

Date: 29.06.2024

Place: Koira Barbil

BIO MEDICAL WASTE COMMITTEE OF IOO (Iron ore Odisha)

Attendees: Sujoy Kundu (Chairman), Dr Mrutyunjay Bai (Secretary), Dharani Dharan, Gorre Srujana, Abani Das, Sudhanshu Mallick, Priyanka Mallick, Smrutiranjana Sahoo, MG Vasudev

Date: 15.12.2023 Time: 3.00PM to 4.00PM

1. First meeting is conducted on 15.12.2023 as employees underwent medical examination on 15.09.2023 to 14.12.2023.
2. The discussion was done on cases of vision issues, creatine, diabetes, Lipid profile, etc
3. Resident Doctor to individually counsel the employees whose medical examination shows variation and further suggest solutions/medications case wise.
4. Reports were verified by OH Doctor.
5. Discussion needs to be done with the BMW Drive for collecting the BMW disposed waste within 48 hours.
6. IME/PME is scheduled from 15 Dec'22. Next meeting will be conducted on obtaining reports and will be communicated accordingly.
7. BMW Waste is segregated in coloured dustbins and Records for generation also started maintaining from Nov 8th.

BIO MEDICAL WASTE COMMITTEE OF IOO (Iron ore Odisha)

Attendees: Sujoy Kundu (Chairman), Dr Mrutyunjay Bai (Secretary), Dharani Dharan, Gorre Srujana, Abani Das, Lipsa das, Sudhanshu Mallick, Priyanka Mallick, Smrutiranjana Sahoo, MG Vasudev

Date: 15.03.2024 Time: 3.30PM to 4.30PM

1. Third meeting is conducted on 07.02.2023 as employees underwent medical examination on 15.12.2023 & 14.03.2024.
2. The discussion was done on cases of vision issues, creatine, diabetes, Lipid profile, etc
3. Mental awareness & work life stress management sessions to be conducted for employees to help them avoid lifestyle related disorders.
4. Reports were verified by OHC Doctor and concluded that there are no cases of pneumoconiosis.
5. IME/PME is scheduled in JULY'23. Next meeting will be conducted on obtaining reports and will be communicated accordingly.



MEDIAID MARKETING SERVICES PVT LTD

LEADERS IN WASTE MANAGEMENT SOLUTIONS

Registered Office : Plot No: N3/445, IRC Village, Nayapalli, Bhubaneswar - 751015, Odisha

E-mail- mediaidms@gmail.com

Plant: CBWTDF, Amsaranga, Majhapara, Sundargarh

Dispensary at Nadidihi Iron Manganese Ore Mines

For the month of Nov -2023

CATEGORY	TYPES OF WASTE	QUANTITY GENERATED OR COLLECTED Kg/MONTH	METHOD OF TREATMENT AND DISPOSAL (as per BMWM Rule 2016)
(1)	(2)	(3)	(4)
YELLOW	a) HUMAN ANATOMICAL WASTE:	NIL	
	b) ANIMAL ANATOMICAL WASTE:		
	c) SOILED WASTE:	0.350	
	d) EXPIRED OR DISCARDED MEDICINES:		
	e) CHEMICAL SOLID WASTE:		
	f) CHEMICAL LIQUID WASTE		
	g) DISCARDED LINEN, MATTRESSES, BEDDINGS CONTAMINATED WITH BLOOD OR BODY FLUID.		
	h) MICROBIOLOGICAL, BIOTECHNOLOGY AND OTHER CLINICAL LABORATORY WASTE:		
RED		0.740	
WHITE TRANSULEN T		0.203	
BLUE	METALIC BODY IMPLANTS	0.318	

N.B :- Waste were being lifted within 48 hours.

For MEDIAID MARKETING SERVICES PVT LTD


Authorised Signatory





MEDIAID MARKETING SERVICES PVT LTD

LEADERS IN WASTE MANAGEMENT SOLUTIONS

Registered Office : Plot No: N3/445, IRC Village, Nayapalli, Bhubaneswar - 751015, Odisha

E-mail- mediaidms@gmail.com

Plant: CBWTDF, Amsaranga, Majhapara, Sundargarh

**Dispensary at Nadidihi Iron Manganese Ore Mines Rengalbeda
Koira
For the month of Dec -2023**

CATEGORY	TYPES OF WASTE	QUANTITY GENERATED OR COLLECTED Kg/MONTH	METHOD OF TREATMENT AND DISPOSAL (as per BMWM Rule 2016)
(1)	(2)	(3)	(4)
YELLOW	a) HUMAN ANATOMICAL WASTE:	NIL	
	b) ANIMAL ANATOMICAL WASTE:		
	c) SOILED WASTE:	0.215	
	d) EXPIRED OR DISCARDED MEDICINES:		
	e) CHEMICAL SOLID WASTE:		
	f) CHEMICAL LIQUID WASTE		
	g) DISCARDED LINEN, MATTRESSES, BEDDINGS CONTIMINATED WITH BLOOD OR BODY FLUID.		
	h) MICROBIOLOGICAL, BIOTECHNOLOGY AND OTHER CLINICAL LABORATORY WASTE:		
RED		0.500	
WHITE TRANSULEN T		0.139	
BLUE	METALIC BODY IMPLANTS	0.176	

N.B :- Waste were being lifted within 48 hours.

For MEDIAID MARKETING SERVICES PVT LTD


Authorized Signatory

