

REGISTERED AD

DZS/ENV/A-13/BMW/2020/185

14-06-2023

To,  
Regional Officer  
Rajasthan State Pollution Control Board  
F-470, Madri Industrial Area,  
Udaipur (Raj)-313001

Sub: Annual report of Biomedical Waste Report for the period from January 2022 to December 2022 under The Bio-Medical Waste Management Rules, 2016.

Ref: Authorization No. BMW/2017-2018/Udaipur/BMW/8 dtd 08.05.2017  
BMW/2021-2022/Udaipur/BMW/64 21/01/2022

Respected Sir,

With reference to the above subject, please find enclosed herewith the annual report of Bio-Medical Waste in Form -IV for the period from January 2022 to December 2022 for Central Hospital, Hindustan Zinc Ltd., Zinc Smelter Debari under The Bio-Medical Waste Management Rules, 2016.

Thanking you,

Yours faithfully,

  
(Manas Tyagi)  
SBU Director, ZSD

OFC

C.C. to :

- Member Secretary  
Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongri,  
Jaipur-302004.

**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.	Particulars of the Occupier	:	Hindustan Zinc Limited, Zinc Smelter Debari
	(i) Name of the authorised person (occupier or operator of facility)	:	Dr. Sumeet Siroya, Incharge Sr. Medical Officer
	(ii) Name of HCF or CBMWTF	:	Central Hospital, Zinc Smelter, Debari
	(iii) Address for Correspondence	:	Hindustan Zinc Smelter, Zinc Smelter Debari Dist. Udaipur, Rajasthan – 313024
	(iv) Address of Facility	:	Hindustan Zinc Smelter, Zinc Smelter Debari Dist. Udaipur, Rajasthan – 313024
	(v) Tel. No, Fax. No	:	Tel. - 0294-2658028 Fax – 0294-2658147
	(vi) E-mail ID	:	manas.tyagi@vedanta.co.in
	(vii) URL of Website	:	www.hzlindia.com
	(viii) GPS coordinates of HCF or CBMWTF	:	24°35'30"N to 24°36'32"N 73°48'13"E to 73°49'37"E
	(ix) Ownership of HCF or CBMWTF	:	Private
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: BMW/2017-2018/Udaipur/BMW/8 dtd 08.05.2017 valid up to 30.04.2022 BMW/2021-2022/Udaipur/BMW/64 21/01/2022 valid up to 30.04.2027
	(xi). Status of Consents under Water Act and Air Act	:	CTO under Water Act vide file no. F(BMW)/Udaipur(Girwa)/61(1)/2011-2012/193-194 dtd. 08.05.2017 valid till 30.04.2022. F(BMW)/Udaipur(Girwa)/7008(1)/2021-2022/1340-1341 Valid till 30/04/2027
2.	Type of Health Care Facility		
	(i) Bedded Hospital :	:	No. of Beds: 16 (Sixteen)
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	--
	(iii) License number and its date of expiry	:	--
3.	Details of CBMWTF :	:	--
	(i) Number healthcare facilities covered by CBMWTF :	:	--
	(ii) No of beds covered by CBMWTF	:	--
	(iii) Installed treatment and disposal capacity of CBMWTF	:	--
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	--
4.		:	Yellow Category :

	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Red Category :		Attached as Annexure 1		
		White :				
		Blue Category :				
		General Solid waste :				
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility					
(i) Details of the on-site storage facility		:	Size : 10 X 8 x 8 Sq. Ft.			
			Capacity : NA			
			Provision of on-site storage : (cold storage or any other provision) NA			
(ii) Disposal facilities		:	Type of treatment equipment	No of units	Capacity Kg/ Day	Quantity Treated or disposed in kg per annum
			Incinerators	NA	NA	NA
			Plasma Pyrolysis	NA	NA	NA
			Autoclaves	NA	NA	NA
			Microwave	NA	NA	NA
			Hydroclave	NA	NA	NA
			Shredder	NA	NA	NA
			Needle tip cutter or destroyer	NA	NA	NA
			Sharps encapsulation or concrete pit	NA	NA	NA
			Deep burial pits:	NA	NA	NA
			Chemical disinfection:	NA	NA	NA
			-			
			Any other treatment equipment:	NA	NA	NA
(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.		:	Red Category (like plastic, glass etc.): Nil			
(iv) No of vehicles used for collection and transportation of biomedical waste		:	BMW sent through registered vehicle sent by CBMWTF operator En-vision.			
(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		:		Quantity generated	Where disposed	
			Incineration Ash	NA	NA	
			ETP Sludge	NA	NA	
(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of		:	En-vision Enviro Engineers Pvt. Ltd. Centralised Biomedical Waste Disposal facility at 5008, Village Umarda, Tehsil Girwa, Dist. Udaipur – 313001			
(vii) List of member HCF not handed over		:	--			


	bio-medical waste.		
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	:	Being 16 (Sixteen) beds HCF, I/C & Sr. Medical Officer review and monitor the activities relating to BMW management.
7.	Details trainings conducted on BMW	:	
	(i) Number of trainings conducted on BMW Management.	:	12
	(ii) number of personnel trained	:	15
	(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	:	Nil
	(i) Number of Accidents occurred	:	Nil
	(ii) Number of the persons affected	:	Nil
	(iii) Remedial Action taken (Please attach details if any)	:	NA
	(iv) Any Fatality occurred, details.	:	Nil
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	:	NA
	Details of Continuous online emission monitoring systems installed	:	NA
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	:	Waste water is being treated in Sewage Treatment Plant  Monthly Analysis report of Domestic Sewage Treated Water is attached as Annexure - 2
11.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	:	This has been taken care by CBMWTF.
12.	Any other relevant information	:	--

Certified that the above report is for the period from 01.01.2022 to 31.12.2022.

Name and Signature of the Head of the Institution

Date: 14.06.2023

Place: ZSD, Udaipur

  
(Manas Tyagi)  
Site Director, ZSD

## Annexure -1

**Details of Bio-Medical wastes disposed at Umarda, Udaipur for the period  
from January 2022 to December 2022**


Disposal as per colour code	(a) Human anatomical parts, (b) Animal Anatomical Waste (c) Soiled Waste (d) Expired or Discarded Medicines, (e) Chemical Waste (f) Chemical Liquid Waste (g) Discarded linen, mattresses, beddings contaminated with blood or body fluid, (h) Microbiology, Biotechnology and other clinical laboratory waste:	Contaminated Waste (Recyclable)	Waste sharps including Metals:	(a) Glassware (b) Metallic Body Implants :	Number of trips/collection by M/s Envision Enviro Engineers Pvt.Ltd Umarda ,Udaipur
	Yellow Plastic Container	Red Plastic container	White Plastic container	Blue Plastic container	
	(Kg.)	(Kg.)	(Kg.)	(Kg.)	Trips per Month (Nos.)
Jan'22	1.4	1.2	0.61	0.71	15
Feb'22	1.2	0.95	0.52	0.61	14
Mar'22	1.45	1.1	0.78	0.77	16
Apr'22	1.5	1.25	0.72	0.68	15
May'22	1.5	1.4	0.69	0.67	15
June'22	1.475	1.175	0.725	0.695	15
July'22	1.5	1.4	0.645	0.655	16
Aug'22	1.35	1.2	0.705	0.655	16
Sept'22	1.4	1.25	0.635	0.635	15
Oct'22	1.45	1.48	0.63	0.78	16
Nov'22	1.65	1.45	0.75	0.75	15
Dec'22	1.4	1.3	0.63	0.69	15
<b>Average</b>	<b>1.44</b>	<b>1.26</b>	<b>0.67</b>	<b>0.69</b>	<b>15.25</b>

**Hindustan Zinc Limited**  
**Zinc Smelter, Debari**

Average Analysis Report of Domestic Sewage Treated Water  
for the period January 2022 to December 2022

S.No.	PARAMETERS	Value (mg/l) except pH	STANDARDS
1	TSS	17.25	Not to exceed 100 mg/l
2	pH	7.18	Between 5.5 to 9.0
3	Oil & Grease	3.66	Not to exceed 10 mg/l
4	Amm. Nitrogen (as N)	3.75	Not to exceed 50 mg/l
5	BOD (3 days at 27°C)	9.01	Not to exceed 30 mg/l
6	C.O.D.	79.16	Not to exceed 250 mg/l
7	Chlorides	<0.1	Not to exceed 600 mg/l

Date: 14/06/2023

  
(Manas Tyagi)  
SBU Director, ZSD