



ज़ावर माइन्स  
पिन कोड - 313901  
ज़िला - उदयपुर (राज.)

**HINDUSTAN ZINC LIMITED**  
**हिन्दुस्तान जिंक लिमिटेड**  
Telephone - (0294) 2723400

Zawar Mines  
PIN Code -313901  
Dist-Udaipur (Raj.)

Ref.: HZL/ZM/ENV/2023/ 17

Date: 07.01.2023

**By Registered Post**

Member Secretary  
Rajasthan State Pollution Control Board,  
4-Institutional Area, Jhalana Dungri,  
Jaipur-302004 (Rajasthan)

**Sub:** Annual Report (Form- IV) under Bio- Medical Waste (M&H) Rules 2016

**Ref.:** Authorization No F(BMW)/Udaipur (Sarada) /1(1)/2010-2011/1200-1201  
Dated 21/12/2021

Sir,

Please find the enclosed herewith the **Annual Compliance report (Form- IV)**  
for the period of **January 2022 to December 2022** for Bio- Medical Waste  
(Management & Handling) Rules, 2016

Thanking You

Yours faithfully

(Vinod Kumar)  
CEO- IBU Zawar  
Hindustan Zinc Ltd.

CC: (1) Regional Officer, Rajasthan State Pollution Control Board  
F-470, Near UCCI Building, Madri Industrial Area, Udaipur- 313003 (Raj)  
(2) Central Hospital, Zawar Mines  
→ (3) Office Copy (Env Cell)

Regd. Office: Yashad Bhawan, Udaipur (Rajasthan) – 313004  
Corporate Identity No. (CIN): L27204RJ1966PLC001208, Website: [www.hzindia.com](http://www.hzindia.com)

**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, Zawar Mines
	(i) Name of the authorised person (occupier or operator of facility)	:	Vinod Kumar CEO- IBU Zawar
	(ii) Name of HCF or CBMWTF	:	Central Hospital, Zawar Mines
	(iii) Address for Correspondence	:	Central Hospital, Hindustan Zinc Limited, Zawar Mines – 313901 Dist Udaipur (Raj) Ph- 0294-2726611-12, Fax (0294) 2726243
	(iv) Address of Facility	:	Central Hospital, Hindustan Zinc Limited, Zawar Mines – 313901 Dist Udaipur (Raj) Ph- 0294-2726611-12, Fax (0294) 272624
	(v) Tel. No, Fax. No	:	Tel. - 0294-2726611 Fax – 0294-2726243
	(vi) E-mail ID	:	<a href="mailto:Rajeev.mishra@vedanta.co.in">Rajeev.mishra@vedanta.co.in</a>
	(vii) URL of Website	:	<a href="http://www.hzlindia.com">www.hzlindia.com</a>
	(viii) GPS coordinates of HCF or CBMWTF	:	24.353° N, 73.7303° E
	(ix) Ownership of HCF or CBMWTF	:	Private
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No: Authorization No F(BMW)/Udaipur (Sarada) /1(1)/2010-2011/1200-1201 Dated 21/12/2021 Valid upto 30/04/2027
	(xi). Status of Consents under Water Act and Air Act	:	CTO No- F(BMW)/ Udaipur(Sarada)/1(1)/2010-2011/1192-1193 Dated 21/12/2021 Valid upto 30-04-2027
2.	Type of Health Care Facility		
	(i) Bedded Hospital :	:	No. of Beds: 28 (Twenty Eight)
	(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 :	:	NA
	(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.	Quantity of waste generated or	:	Yellow Category :

	disposed in Kg per annum (on monthly average basis)		Red Category :	Attached as Annexure I	
			White :		
			Blue Category :		
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility				
	(i) Details of the on-site storage facility	:	Size :	10 ft x 10 ft room	
			Capacity :		
			Provision of on-site storage : (cold storage or any other provision)		
	(ii) disposal facilities	:	Type of treatment equipment	No of units	Capacity Kg/Day
			Incinerators	NA	Quantity Treated or disposed in kg per annum
			Plasma	NA	
			Pyrolysis		
			Autoclaves	NA	
			Microwave	NA	
			Hydroclave	NA	
			Shredder	NA	
			Needle tip cutter or destroyer	NA	
			Sharps encapsulation or concrete pit	NA	
			Deep burial pits:	NA	
			Chemical disinfection:	NA	
			Any other treatment equipment:	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	--
			ETP Sludge	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 Plot No. 5008, Village Umarda, Tehsil Girwa, Dist. Udaipur		
	(vii) List of member HCF not handed over bio-medical waste.	:	NA		
6.	Do you have bio-medical waste	:	Being 28 (Twenty Eight) beds HCF, Chief Medical		



	management committee? If yes, attach minutes of the meetings held during the reporting period		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	:	258
	(iii) number of personnel trained at the time of induction	:	NA
	(iv) number of personnel not undergone any training so far	:	Nil
	(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?	:	Zero discharge maintained.
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: 07.01.2023

Place: Zawar Mines, Udaipur

(Dr. Rajeev Mishra)

Chief Medical Officer, Zinc Hospital  
Zawar Mines, Hindustan Zinc Ltd.

**Chief Medical Officer**  
**Central Hospital**  
**Hindustan Zinc Limited**  
**Zawar Mines**

FORM -I

[ (See rule 4(o), 5(i) and 15 (2) ) ]

ACCIDENT REPORTING

- |  |     |
|--|-----|
| 1. Date and time of accident:  | Nil |
| 2. Type of Accident:   | --  |
| 3. Sequence of events leading to accident:   | --  |
| 4. Has the Authority been informed immediately:                                    | --  |
| 5. The type of waste involved in accident:   | --  |
| 6. Assessment of the effects of the accidents on human health and the environment: | --  |
| 7. Emergency measures taken:   | --  |
| 8. Steps taken to alleviate the effects of accidents:                              | --  |
| 9. Steps taken to prevent the recurrence of such an incident:                      | --  |
| 10. Does your facility has an Emergency Control policy? If yes give details:       | --  |

Date: 07/01/2023

Signature: 

Place: Zinc Hospital, Zawar Mines

Designation: CMO, Zinc Hospital, Zawar Mines

Chief Medical Officer  
Central Hospital  
Hindustan Zinc Limited  
Zawar Mines

**Bio- Medical Waste (Management & Handling) Rules, 2016**  
**Bio- Medical Waste Generation January 2022 to December 2022**

Category	Type of Waste	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Yellow</b>	Human Anatomical, Soiled, Expired or Discarded Medicines, Chemical Liquid, Waste, Discarded linen, Microbiology, Biotechnology and other, clinical laboratory waste (Kg)	26.84	18.77	21.61	17.43	24.18	23.89	24.64	23.92	19.58	21.53	23.56	23.57
<b>Red</b>	Contaminated waste (Recyclable) (Kg)	40.78	37.13	44.32	42.76	43.06	39.17	53.29	49.98	49.73	52.32	46.77	51.32
<b>White</b>	Translucent- Needles, Syringes with fixed needles, discarded and contaminated metal sharps etc (Kg)	14.00	13.70	15.40	16.00	16.40	14.20	15.80	13.70	16.10	9.10	5.50	5.50
<b>Blue</b>	Glassware and Metallic Body Implants (Kg)	16.00	11.70	13.60	12.50	13.10	13.00	14.40	13.90	14.20	15.50	16.90	19.60
<b>No. of trips by M/s en- vision Enviro Engineers, Udaipur</b>		15	14	16	15	15	15	16	15	15	16	15	16

Bio-Medical Waste Generation for Jan 2022 to Dec 2022

