

REGISTERED AD

DZS/ENV/A-13/BMW/2019/93

26-06-2019

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 2018 to December 2018 under The Bio-Medical Waste Management Rules, 2016.

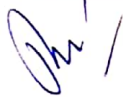
Ref: Authorization No. BMW/2017-2018/Udaipur/BMW/8 dtd 08.05.2017

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 2018 to December 2018 for Central Hospital, Hindustan Zinc Ltd., Zinc Smelter Debari under The Bio-Medical Waste Management Rules, 2016.

Thanking you,

Yours faithfully,



(Manoj Nashine)  
Unit Head, ZSD

C.C. to :

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

57c

## Hindustan Zinc Limited

Zinc Smelter, Debari, Udaipur 313 024

T +91-2942658028 F +91-2942658147 [www.hzindia.com](http://www.hzindia.com)

**Registered Office:** Yashad Bhawan, Udaipur (Rajasthan)- 313 004

CIN : L27204RJ1966PLC001208

**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	:	Manoj.Nashine@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						
	(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						
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.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	<table border="1"> <tr> <td>Yellow Category :</td><td rowspan="5">Attached as Annexure 1</td></tr> <tr> <td>Red Category :</td></tr> <tr> <td>White :</td></tr> <tr> <td>Blue Category :</td></tr> <tr> <td>General Solid waste :</td></tr> </table>	Yellow Category :	Attached as Annexure 1	Red Category :	White :	Blue Category :	General Solid waste :
Yellow Category :	Attached as Annexure 1								
Red Category :									
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 :		
		Provision of on-site storage : (cold storage or any other provision)		
(ii) disposal facilities	:	Type of treatment equipment	No of units	Capacity Kg/Day
				Quantity Treated or disposed in kg per annum
		Incinerators	NA	NA
		Plasma Pyrolysis	NA	NA
		Autoclaves	NA	NA
		Microwave	NA	NA
		Hydroclave	NA	NA
		Shredder	NA	NA
		Needle tip cutter or destroyer	NA	NA
		Sharps encapsulation or concrete pit	NA	NA
		Deep burial pits:	NA	NA
		Chemical disinfection:	NA	NA
		-		
		Any other treatment equipment:	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	--	--
		ETP Sludge	--	--
(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	:	01
	(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?	:	3593 ltr/month was treated in Sewage Treatment Plant which includes 900 Ltr/month HCF liquid waste. Complied, average Analysis report of Domestic Sewage Treated Water is attached as Annexure -
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 01.01.2018 to 31.12.2018.

Name and Signature of the Head of the Institution

Date: 26.06.2019

Place: ZSD, Udaipur



(Manoj Nashine)  
Unit Head, ZSD

## Details of Biomedical Waste during the period January 2018 to December 2018

S. No.	Waste Category	Average Quantity Generated	Treatment & disposal
1	White	218.916 needle/ month	The sharp waste and solid waste are being segregated and collected by Envision Enviro Engineers Pvt Ltd, Umarda, Udaipur
2	Red	2.588 kg/month	--do--
3	Blue	1.931 Kg/ month	--do--
4	Yellow	3.410 Kg/ month	--do--
5	Liquid waste generated from laboratory, X-Ray deptt. And washing & cleaning of hospital	900 Ltr/ month	Treated in Sewage Treatment Plant

**Details of Bio-Medical wastes disposed at Umarda, Udaipur for the period  
from January 2018 to December 2018**

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 Umrada ,Udaipur
	Yellow Plastic Container	Red Plastic container	White Plastic container	Blue Plastic container	
	(Kg.)	(Kg.)	(No. of needles)	(Kg.)	Trips per Month (Nos.)
Jan'18	3.590 Kg	2.950 Kg	246	1.390 Kg	16
Feb'18	2.330 Kg	3.850 Kg	212	1.180 Kg	14
Mar'18	4.550 Kg	3.900 Kg	194	1.190 Kg	16
Apr'18	4.100 Kg	4.400 Kg	170	1.850 Kg	15
May'18	7.400 Kg	4.650 Kg	180	3.650 Kg	16
June'18	1.450 Kg	1.000 Kg	303	1.780Kg	15
July'18	2.700 Kg	1.500 Kg	277	2.350 Kg	16
Aug'18	3.150 Kg	1.650 Kg	278	2.370 Kg	16
Sept'18	2.700 Kg	1.810 Kg	234	2.200 Kg	15
Oct'18	3.350 Kg	1.950 Kg	219	1.870 Kg	16
Nov'18	2.700 Kg	1.800 Kg	175	1.800 Kg	15
Dec'18	2.900 Kg	1.600 Kg	139	1.550 Kg	16
Average	3.410 Kg	2.588 Kg	218.916	1.931 Kg	15.5