

Ref: ZM/ENV/BMW/2017-18 /457  
Member Secretary,  
Rajasthan State Pollution Control Board,  
4-Institutional Area, Jhalana Dungri,  
Jaipur-302004 (Rajasthan)

Dated: 02.01.2018

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

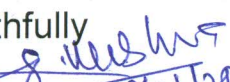
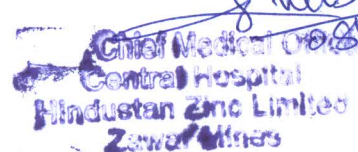
Ref.: Authorization No F(BMW)/Udaipur(Sarada)/1(1)/2010-2011/225-226  
Dated 11/05/2017

Sir

Please Find enclosed herewith the **Annual compliance report (Form-IV)**  
for the period of **January 2017 to December 2017** for Bio-Medical Waste  
(Management & Handling) Rules, 2016

Thanking You

Yours Faithfully

(Dr. C.S. Mishra)  
Asso.Chief Medical Officer  
Central Hospital, Zawar Mines

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

**FORM-2**  
**(See Rule 10)**  
**ANNUAL REPORT**

**1 Particulars of Applicant**

**HINDUSTAN ZINC LIMITED**  
**ZAWAR MINES**

**2 Name of the Authorized Person (Occupier)**

(In block letters & in full )

**Shri Rajesh Kundu**  
**Site President**

Hindustan Zinc Limited,  
Zawar Mines – 313901, Distt.- Udaipur(Raj)  
0294-276600

**3 Name of the Authorized Person (Operator)**

**Dr. CS Mishra**  
**Asso. C.M.O.**

HINDUSTAN ZINC LIMITED,  
P.O ZAWARMINE, Teh.-Sarada,  
Dist.-Udaipur (Raj). Pin code-313901

**4 Name of Institution Address**  
**(Tele No Fax NO Telex NO)**

**Central Hospital**  
**Hindustan Zinc Limited**  
P.O.Zawar Mines, Udaipur (Raj)  
Tel: (0294) 2726611-12  
Fax (0294) 2726243

**5 Categories of waste generated and quantity**  
**on monthly basis**

As per Annexure

**6 Brief Details of Treatment Facility**

**MODE OF TREATMENT AND DISPOSAL OF BMW.**

Category of Waste	Type of Waste	Method for treatment and disposal
1	Human Anatomical Waste (Placenta, human tissues)	Sent to M/s en-vision Enviro Engineers Pvt. Ltd., Udaipur for treatment at Common Bio-medical Waste Disposal Facility.
4	Waste Sharps	Sent to M/s en-vision Enviro Engineers Pvt. Ltd., Udaipur for treatment at Common Bio-medical Waste Disposal Facility.
6	Soiled Waste	Sent to M/s en-vision Enviro Engineers Pvt. Ltd., Udaipur for treatment at Common Bio-medical Waste Disposal Facility.
7	Solid Waste ( Catheters, intravenous sets and plastic Bottles)	Sent to M/s en-vision Enviro Engineers Pvt. Ltd., Udaipur for treatment at Common Bio-medical Waste Disposal Facility.
8	Liquid Wastes	Chemical treatment* and discharge into drain.

**\*CHEMICAL TREATMENT: Treatment with 1% Sodium Hypo-Chlorite Solution.**

*S. K. Singh*  
08/10/2018  
**Chief Medical Officer**  
**Central Hospital**  
**Hindustan Zinc Limited**  
**Zawar Mines**

**Form-IV**  
**(See rule-13)**

To be submitted to the prescribed authority on or before 30<sup>th</sup> 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)

SN	Particulars	Description
1	Particulars of the Occupier	
	(I)Name of the authorised person (occupier or operator of the facility)	Rajesh Kundu, Site President Hindustan Zinc Limited, Zawar Mines – 313901, Distt. - Udaipur (Rajasthan) 0294-276600
	(II)Name of HCF or CBMWTF	Central Hospital, Hindustan Zinc Limited, Zawar Mines – 313901, Distt. - Udaipur (Rajasthan) 0294-276600
	(III)Address for Correspondence	Same as above
	(IV)Address of Facility	Same as above
	(V)Tel. No. Fax No.	Same as above
	(VI)E-mail ID	Same as above
	(VII)URL of Website	Same as above
	(VIII)GPS coordinates of HCF or CBMWTF	-
	(IX)Ownership of HCF or CBMWTF	Private
	(X)Status of Authorization under the Bio-Medical Waste (Management and Handling)Rules	Auth. No-F(BMW)/Udaipur(Sarada)/1(1)/2010-2011/225-226 Date 11-05-2017 Valid Upto 30-04-2022
	(XI)Status of Consents under Water Act and Air Act	CTO No-F(Tech)/Udaipur(Sarada)/6(1)/2010-2011/227-228 Date 11-05-2017 Valid Upto 30-04-2022
2	Type of Health Care Facility	
	(I)Bedded Hospital	Yes
	(II)Non-Bedded Hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	NA
	(III)License number and its date of expiry	NA
3	Details of CBMWTF	
	(I)Number healthcare facilities covered by CBMWTF	NA
	(II)Number of beds covered by CBMWTF	NA
	(III)Installed treatment and disposal facility of CBMWTF	Kg/day NA
	(IV)Quantity of bio-medical waste treated or disposed by CBMWTF	Kg/day NA
4	Quantity of waste generated or disposed in Kg/annum (on monthly average basis)	Yellow Category-Annexure are attached Red Category-Annexure are attached White Category-Annexure are attached Blue Category-Annexure are attached General Solid Waste-Annexure are attached
5	Details of the Storage treatment transportation processing and Disposal Facility	
	(1)Details of the on-site storage facility	Size-NA Capacity-NA Provision of on-site storage-NA (Cold storage or any other provision)
	(II)Disposal Facility	Type of treatment    No of units    capacity kg/day    Qty treated or disposed in Equipment    kg/annum  Incinerators-No Plasma Pyrolysis-NA Autoclaves-NA Microwave-No 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 waste sold to authorized recyclers after treatment in kg/annum	Nil Red Category (like plastic, glass etc)												
	(IV)No of vehicles used for collection and transportation of biomedical waste	One												
	(V)Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in kg/annum	<table> <tr> <th></th><th>Quantity Generated</th><th>Where disposed</th></tr> <tr> <td>Incineration</td><td>NA</td><td>NA</td></tr> <tr> <td>Ash</td><td>NA</td><td>NA</td></tr> <tr> <td>ETP Sludge</td><td>NA</td><td>NA</td></tr> </table>		Quantity Generated	Where disposed	Incineration	NA	NA	Ash	NA	NA	ETP Sludge	NA	NA
	Quantity Generated	Where disposed												
Incineration	NA	NA												
Ash	NA	NA												
ETP Sludge	NA	NA												
	(VI)Name of the Common Bio-medical Waste Treatment Facility Operator through which wastes are disposed of	M/s en-vision Enviro Engineers Pvt Ltd Udaipur												
	(VII)List of Member HCF not handed over bio-medical waste	-												
6	Do you have bio-medical waste management committee? If Yes attached minutes of the meetings held during the reporting period	Yes												
7	Details trainings conducted on BMW													
	(I)Number of training conducted on BMW Managment	1												
	(II)Number of personnel trained	1												
	(III) Number of personnel trained at the time of induction	1												
	(IV) Number of personnel not undergone any training so far	0												
	(V)Whether standard manual for training is available?	NA												
	(VI)Any other information	-												
8	Details of the accident occurred during the year													
	(I)Number of Accidents occured	Nil												
	(II)Number of the persons affected	Nil												
	(III)Remedial Action taken (Please attach details if any)	Nil												
	(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 system installed	NA												
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	NA												
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	NA												
12	Any other relevant information	NA (Air Pollution Control Devices attached with the Incinerator)												

Certified that the above report is for the period from January 2017 to December 2017

Date- 02.01.2018  
Place- Zawar Mines

Name and Signature of the Head of the Institution

Chief Medical Officer  
Central Hospital  
Hindustan Zinc Limited  
Zawar Mines

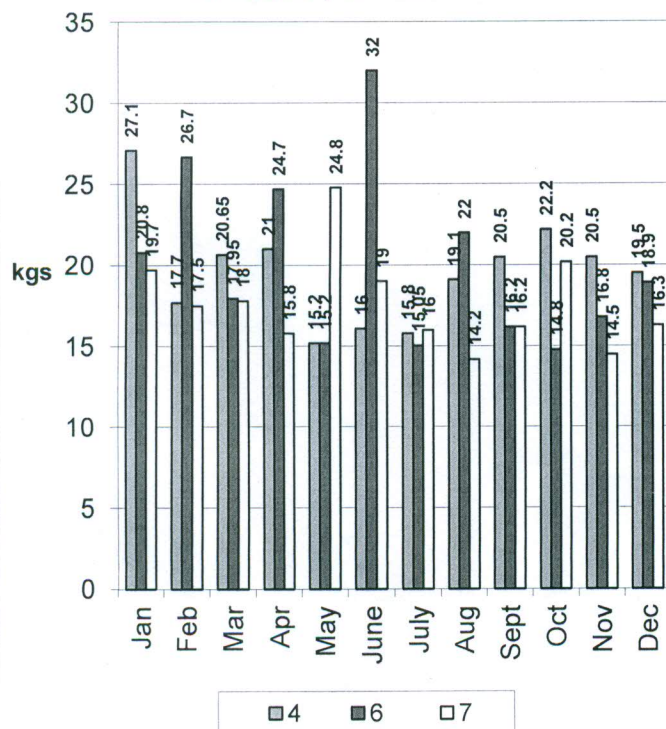
# ANNEXURE

## Bio- Medical Waste (Management & Handling) Rules,1998

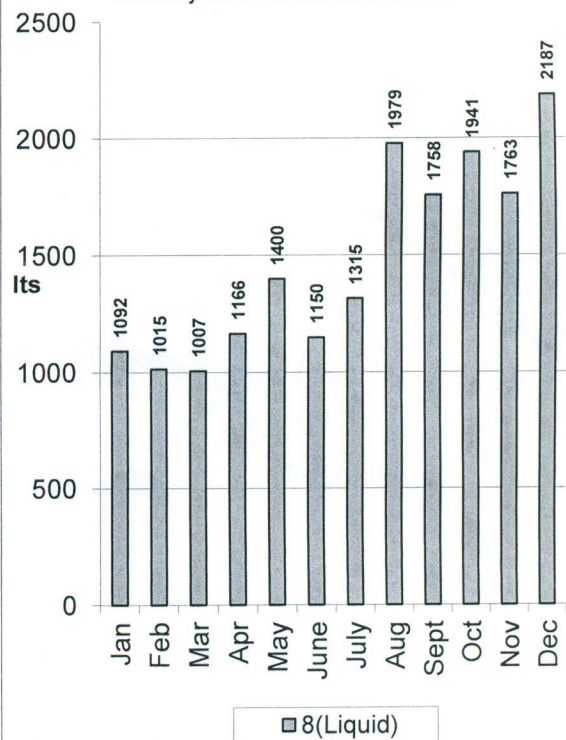
### Bio- Medical Waste Generation January 2017 to December 2017

Category	Type of waste	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	Human Anatomical Waste(Placenta, Human Tissues, Organs etc) in Kgs	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4	Waste sharps (Needles,syringes, Glass,Etc) in Kgs	27.1	17.7	20.7	21	15.2	16	15.8	19.1	20.5	22.2	20.5	19.5
6	Soiled Waste (Cotton, Gauzes bandages,Blood Stained clothes etc)in Kgs	20.8	26.7	18	24.7	15.2	32	15.1	22	16.2	14.8	16.8	18.9
7	Solid Waste (Catheters,I.V.Sets Plastic Bottles Etc) in kgs	19.7	17.5	18	15.8	24.8	19	16	14.2	16.2	20.2	14.5	16.3
8(Liquid)	Liquid Waste in Its.	1092	1015	1007	1166	1400	1150	1315	1979	1758	1941	1763	2187
No. of trips by M/s en-vision Enviro Engineers, Udaipur		16	14	16	15	15	14	17	15	17	18	17	15

Category wise generation of Bio-Medical Waste from January 2017 to December 2017



Liquid Bio-Medical Waste Generation from January 2017 to December 2017



*[Signature]*  
 28/01/2018  
 Chief Medical Officer  
 Central Hospital  
 Hindustan Zinc Limited  
 Zaver Mines

**Branch Office :** 128/103, 1st Floor, Samruddhi Complex, Opp. Krishi Mandi, Nr. Reti Stand, Udaipur, Rajasthan.  
Ph. No. (0294) 2481513 e-mail : [bmw.udaipur@en-vision.in](mailto:bmw.udaipur@en-vision.in)  
**Site :** Plot No. 5008, Village Umarda, Girwa, Dist. Udaipur, Rajasthan, Ph. No. : 98287 08164

**TO WHOMSOEVER THIS MAY CONCERN**

This is to certify that **HINDUSTAN ZINC LTD. (CENTRAL HOSPITAL, ZAWAR MINES)** located at **HZL, CENTRAL HOSPITAL, ZAWAR MINES** have obtained the membership of Biomedical Waste Management at Centralised Biomedical Waste Disposal Facility at 5008, Village : Umarda, Tehsil-Girwa, Dist.: Udaipur.

They have agreed to dispatch the Biomedical Waste at our disposal facility as per the rules and regulation of Rajasthan Pollution Control Board and pay the charge for the same.

Membership Category: Hospital & Research Center


Membership Code: **UDR097**

No. Of beds: 28 (Twenty Eight)

**Validity Date: Up to 31.03.2019**

**Issue Date:** 01.04.2014

For **EN-VISION ENVIRO ENGINEERS PVT. LTD.**

  
(DIRECTOR)

- Note:** 1. Please send an application for fresh certificate 15 days before expiry date.  
2. In case of non-payment of Bio-Medical Waste collection, treatment & disposal charges by the member, this certificate shall automatically be invalid even within the validity period.