



Date: 31st March, 2023
Ref: HMEL-TS-40-ENV-1020

Environmental Engineer,
Punjab Pollution Control Board
3rd Floor, Room No: 406E,
District Administrative Building,
Bathinda- Regional Office,
Bathinda

Subject: Submission of Form - IV (For Year 2019) under Bio-Medical Waste (Management & Handling), Rules, 2016 framed under Environment (Protection) Act, 1986.

Ref: BMW Authorization No. BMW/Renewal/BTI/2018/7148070 issued on 23.03.2018, extended upto 31.03.2023.

Dear Sir,

This is with reference to the Bio-Medical Waste Authorisation No. BMW/Renewal/BTI/2018/7148070 issued to **Occupational Health Centre (OHC)** at **HPCL-Mittal Energy Limited** on 23.03.2018 and extended up to 31.03.2023 regarding the above subject.

Annual report for the period from **1st Jan'2022 to 31st Dec'2022** is enclosed in **Form-IV** (Ref. **Annexure-1**).

Compliance report of Bio-Medical Waste Authorisation No. BMW/Renewal/BTI/2018/7148070 is also enclosed (Ref. **Annexure-2**).

Thanking You,

Received
31/3/23

Very Truly Yours,

Jatinder Kumar
(DM- Technical Services)

Encls: **Annexure-1:** Form-IV for the period from 1st Jan'2022 to 31st Dec'2022.
Annexure-2: Compliance report of Bio-Medical Waste Authorisation.

HPCL-Mittal Energy Limited

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)]

Sr. No.	Particulars	
1.	Particulars of Occupier	
	(i) Name of Authorizes Person (Occupier or Operator of facility)	Sh. Sanket Thapar (DGM-Technical Services)
	(ii) Name of HCF or CBWTF :	Occupational Health Centre (OHC)
	(iii) Address for Correspondence :	M/s. HCPL-Mittal Energy Limited (Guru Gobind Singh Refinery), Village Phullokhar, Taluka- Talwandi Saboo, District- Bathinda- 151301, Punjab, India.
	(iv) Address of Facility	Guru Gobind Singh Refinery, Village Phullokhar, Taluka- Talwandi Saboo, District- Bathinda- 151301, Punjab, India.
	(v) Tel. No. Fax. No :	+91-01655-272899
	(vi) E- mail ID :	sanket.thapar@hmel.in
	(vii) URL of Website	-
	(viii) GPS coordinates of HCF or CBWTF	Latitude: 29°55'45.1"N Longitude: 74°56'58.6"E
	(ix) Ownership of HCF or CBWTF	Private
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Valid up to: 31.03.2023
	(xi) Status of Consents under Water Act and Air Act	Valid up to: 31.03.2025
2.	Types of Health Care Facility	
	(i) Bedded Hospital	No. of Beds: 10
	(ii) Non - bedded health care facility (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	Authorization Number: BMW/Renewal/BTI/2018/7151340 Valid up to: 31.03.2023

3.	Detail of CBWTF							
	(i)	Number healthcare facilities covered by CBWTF	NA					
	(ii)	No of beds Covered by CBWTF	NA					
	(iii)	Installed treatment and disposal capacity of CBWTF	NA					
	(iv)	Quantity of biomedical waste treated or disposed by CBWTF	NA					
4.	Quantity of waste generated or disposed in kg per annum (on monthly average basis)		Category			Quantity Monthly Average (kg/annum)		
			Yellow			28.74		
			Red			73.78		
			White			3.08		
			Blue			11.72		
			General Solid Waste			Nil		
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility							
	(i)	Detail of the on-site storage facility	Size: Not Applicable					
			Capacity: Not Applicable					
			Provision of on-site storage: Not Applicable					
	(ii)	Detail of the treatment of disposal facility	Sr. No.	Type of Waste	No. of Units	Capacity kg/day	Quantity treated or disposed in (kg/annum)	
			1	Incinerators	NA	-	-	
			2	Plasma Pyrolysis	NA	-	-	
			3	Autoclaves	NA	-	-	
			4	Microwave	NA	-	-	
			5	Hydroclave	NA	-	-	
			6	Shredder	NA	-	-	
			7	Needle tip cutter or destroyer	NA	-	-	
			8	Sharps encapsulation or concrete pit	NA	-	-	
			9	Deep burial pit	NA	-	-	
10			Chemical Disinfection	NA	-	-		

		11	Any other equipment used for treatment	NA	-	-	
	(iii)	Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.					NA
	(iv)	No of vehicles used for collection and transportation of biomedical waste					NA
	(v)	Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in kg per annum					NA
	(vi)	Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of					M/s Medwaste Solutions Pvt. Ltd, Muktsar, Punjab (India)
	(vii)	List of member HCF not handed over bio-medical waste					NA
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		NA				
7.	Details of Training conducted on BMW						
	(i)	Number of trainings conducted on BMW Management.		2			
	(ii)	number of personnel trained		15			
	(iii)	number of personnel trained at the time of induction		17			
	(iv)	number of personnel not undergone any training so far		0			
	(v)	Whether standard manual for training is available?		Yes, available in PDF format			
	(vi)	any other Information		NA			
8.	Details of accident occurred during the year						
	(i)	Number of Accidents occurred		Nil			
	(ii)	Number of the persons affected		NA			
	(iii)	Remedial Action taken (Please attach details if any)		NA			
	(vii)	Any Fatality occurred, details		NA			
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not meet 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?	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

Certified that above report is for the period from 1st January, 2022 to 31st December, 2022.

Bio-Medical Waste_ Authorization No. BMW/Renewal/BTI/2018/7148070)**A. General conditions**

Condition No.	Approval Conditions	Compliance/Status
1	This authorization is issued for 10 nos. of beds. For any increase in number of beds, the applicant shall obtain prior permission of the Board.	Noted this condition.
2	The medical Institute/Health Care Facility (HCF) shall apply for the renewal of authorization at least 2 months before the expiry of this authorization.	Noted this condition.
3	The Medical Institution / Health Care Facility shall comply with the provisions of the Environment (Protection) Act, 1986 as amended from time to time and the rules made there under	Condition will be complied with.
4	The authorization and all relevant records shall be produced for inspection on the request of an officer of prescribed authority.	Condition will be complied with.
5	The HCF shall take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules.	Condition is complied with.
6	The HCF shall make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule-I.	Condition is complied with.
7	The HCF shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through autoclaving/microwaving and then sent to the common bio-medical waste treatment facility for final disposal. The HCF shall maintain a logbook of operation of Autoclave.	NA
8	The HCF shall phase out use of chlorinated plastic bags, gloves and blood bags as mentioned in the Rules;	Condition is complied with.

Condition No.	Approval Conditions	Compliance/Status
9	In case the HCF purchase color coded bag from open market, it shall get the testing certificate from CIPET Lab, Amritsar regarding absence of chlorinated material in it. However, if it is procured from CBWTF operator, the HCF shall obtain the test certificate from CBWTF operator.	Purchased from Authorized vendor only.
10	The HCF shall dispose of general waste other than bio-medical waste in green bin.	Condition is complied with.
11	The HCF shall not dispose bio-medical waste with municipal solid waste;	Noted this condition. The Bio-Medical waste is not mixed with municipal solid waste.
12	The HCF shall provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report;	Periodic Training is imparted to HCF workers. 10 no. workers trained.
13	The HCF shall immunize all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunization Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time;	All health care workers and others immunized.
14	The HCF shall ensure occupational safety of all its health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipment's;	Condition is complied with
15	The HCF shall conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio-medical waste and maintain the records for the same;	Once in a year
16	The HCF shall ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities;	Condition is complied with
17	The HCF shall ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).	Condition is complied with
18	The HCF shall obtain consents under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.	Condition is complied with. Consents for Water Act, 1974 and Air Act, 1981 are already obtained & valid up to 31.03.2025.

Condition No.	Approval Conditions	Compliance/Status
19	The HCF shall maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I. All the record shall be subject to inspection and verification by the Prescribed Authority /authorized person at any time. The record shall be maintained for a period of 5 years.	Condition is complied with
20	The HCF shall report major accidents including accidents caused by fire hazards, blasts during handling of biomedical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority within 24 hours and also along with the annual report;.	Condition is complied with
21	The HCF shall submit Annual Report in Form-IV as per Rule 13 by 30th June every year to the Board. The HCF shall make available the annual report on its web-site and all the health care facilities shall make own website within two years w.e.f 28.03.2016.	Condition is complied with
22	The HCF shall ensure that Untreated human anatomical waste, animal anatomical waste, soiled waste and, biotechnology waste shall not be stored beyond a period of forty –eight hours: Provided that in case for any reason it becomes necessary to store such waste beyond such a period, the occupier shall take appropriate measures to ensure that the waste does not adversely affect human health and the environment and inform the prescribed authority along with the reasons for doing so.	Condition is complied with
23	The HCF shall inform the prescribed authority immediately in case the operator of a facility does not collect the bio-medical waste within the intended time or as per the agreed time;	Condition is complied with
24	The HCF shall establish a system to review and monitor the activities related to bio-medical waste management, either through an existing committee or by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority and the healthcare establishments having less than thirty beds shall designate a qualified person to review and monitor the activities relating to biomedical waste management within that establishment and submit the annual report;	Condition is complied with

Condition No.	Approval Conditions	Compliance/Status
25	The occupier of the HCF shall maintain proper housekeeping in the premises where the bio-medical wastes are handled.	The Condition is being complied with. Proper housekeeping is being done inside HCF.
26	The HCF is required to set up system/equipments for requisite segregation, collection, storage and pretreatment of bio-medical waste in conformance to the provisions of Bio-Medical Waste (Management) Rules, 2016.	The Condition is being complied with. HCF management is taking necessary steps for segregation, collection and storage of bio-Medical Waste in conformance to provisions of Bio-Medical waste (Management) Rules, 2016.
27	The Containers/ Bags used for segregation and disposal of waste shall be labeled in accordance with schedule- IV (Part-A).	Condition is complied with
28	The HCF shall segregate the bio-medical waste collected in the container bags at the point of generation in accordance with Schedule-I prior to storage, transportation, treatment and disposal	Condition is complied with
29	The HCF shall hand-over segregated waste as per Schedule-I to common bio-medical waste treatment facility for treatment, processing and final disposal.	Condition is complied with
30	The HCF shall paste Bar-Code Stickers on respective color coded bags, puncture proof containers and cardboard box before disposal to CBWTF.	Condition is complied with
31	The HCF shall ensure treatment and disposal of waste in accordance with Schedule I and in compliance with the standards provided in Schedule-II.	Condition is complied with
32	The HCF shall phase-out use of mercury based instruments. The handling and disposal of all mercury waste and lead waste shall be in accordance with the respective rules and regulations.	The HCF is ensuring that handling & disposal of all mercury waste & lead waste as accordance with the respective rules and regulations.
33	The occupier of the HCF will be liable for action under section 5 and section 15 of the Environment (Protection) Act, 1986, in case of any violation.	Noted this condition.
34	The HCF shall comply with the standards and specifications as per Bio-Medical Waste Management Rules, 2016.	Noted this condition.

Condition No.	Approval Conditions	Compliance/Status
35	The HCF shall give its bio-medical waste only to the authorized area common bio-medical waste treatment facility who has valid authorization of the prescribed authority.	The Condition is being complied with. The Bio-Medical Waste is being given by PPCB authorized Common bio-medical Waste Treatment facility i.e. M/s Medwaste Solutions Pvt. Ltd, Muktsar, Punjab, India.
36	The HCF will have to make its own arrangement afresh in case the authorization of the common facility to whom it has entered a MOU is revoked, by the Prescribed Authority.	Noted this condition.
37	The occupier of the HCF shall not change or alter either the quality or the quantity or the rate of discharge of liquid/emission or temperature or the route of discharge without prior written permission from the Board.	Noted this condition.
38	The occupier of the HCF, its heirs, legal representatives etc., shall have no claim whatsoever to the continuation or renewal of this authorization after the expiry of the authorization.	The Condition will be complied with. Authorization renewal will be done periodically before its expiry.
39	The authorized person shall intimate Board prior to closing down the facility.	Noted this condition.
40	The HCF shall not rent, sell, transfer or otherwise transport the bio-medical waste without prior permission from the Board.	Noted this condition.
41	Any unauthorized change in personnel/equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.	Noted this condition.
42	The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of the authorization without any prior notice.	Noted this condition.

B. SPECIAL CONDITIONS

Condition No.	Approval Conditions	Compliance/Status
1	The HCF will comply with the provisions of the Bio Medical Waste (Management) Rules, 2016 framed under the Environment (Protection) Act, 1986.	Noted this condition.
2	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority.	Noted this condition.
3	The person authorized shall not rent, lend, sell, transfer or otherwise transfer the Bio medical waste without obtaining prior permission of the prescribed authority.	Noted this condition.
4	Any unauthorized change in personal, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	Noted this condition.
5	It is the duty of the authorized person to take permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.	Noted this condition.