

INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCES (IHBAS)



*Hospital based autonomous academic Institute, under
Government of National Capital Territory of Delhi, dealing with
"Brain – Mind Problems & their Solutions"*
Dilshad Garden, Delhi 110095 (India)

Tel.: 22114021, Extn. No. 655 Fax: 2259 9227, E-mail: dmsihbas@gmail.com; website: ihbas.delhigovt.nic.in

Dr. Om Prakash
Professor of Psychiatry &
Dy. Medical Superintendent
IHBAS

F.No.35/BMW/IHBAS/2023/ 140

Date: 11/4/23

To,

The CMO (BMW-MGMT)
DHS, F – 17,
Swasthya Sewa Nideshalaya Bhawan
Karkardooma
Delhi 32

Sub: Submission of Monthly report for the month of March 2023 regarding Bio Medical Waste Management in our Institute.

Sir/ Madam,

With reference to your letter, herewith we are enclosing the Monthly Report for the month of **March 2023** regarding Bio Medical Waste Management in our Institute.

Copy to:-

1. OIC Computer with request to upload on website
2. OIC (BMW/HIC)
3. Assistant office of the Director

(Dr. Om Prakash)

Dr. OM PRAKASH
Professor of Psychiatry
DMC No. 44910
IHBAS, Delhi-110095

Form - IV
(See rule 13)
ANNUAL REPORT/ MONTHLY REPORT

Sl. No	Particulars		
1	Particulars of the Occupier:-		
	(i) Name of the authorised person (occupier or operator of facility)		Director
	(ii) Name of HCF or CBMWTF		IHBAS
	(iii) Address for Correspondence		IHBAS, DISHA - GARDEN, DELHI - 95
	(iv) Address of Facility		IHBAS, DISHA - GARDEN, DELHI - 95
	(v) Tel. No, Fax. No		FAX No. - 23599227
	(vi) E-mail ID		director@ihbas.org
	(vii) URL of Website		www.ihbasdelhi.govhcf.in
	(viii) GPS coordinates of HCF or CBMWTF		
	(ix) Ownership of HCF or CBMWTF		(State Government or Private or Semi Govt. or any other)
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules		Authorisation No.: AUTH/1995950
	(xi). Status of Consents under Water Act and Air Act : Valid up to		valid up to 7/7/2024
2	Type of Health Care Facility		9/6/2025
	(i) Bedded Hospital		HOSPITAL
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	No. of Beds.....	313
	(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		Kg per day
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF		Kg/day
4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category :	681,29 Kg.
		Red Category :	911,25 kg.
		White:	23,26 kg.
		Blue Category :	215,68 kg.
		General Solid waste:	3500 kg.
	Details of the Storage, treatment, transportation, processing and Disposal Facility		
	(i) Details of the on-site storage facility	Size :	70.64 mtr
		Capacity :	
		Provision of on-site storage : (cold storage or any other provision)	BMW Storage
	(ii) disposal facilities	Type of treatment Equipment	No of Units
		Capa city	Quantity treatment disposed in kg per annum
		Incinerators	Day
			Regn. No. 25017 (DMC)
			Assistant Professor
			Microbiology & MPH
			IHBAS, Delhi-110095

		Plasma Pyrolysis Autoclaves = 02 Microwave = 01 Hydroclave Shredder Needle tip cutter or Destroyer: - 25 Sharps encapsulation or concrete pit: Deep burial pits: - 02 Chemical disinfection: Any other treatment equipment:									
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum	Red Category (like plastic, glass etc.)									
	(iv) No. of vehicles used for collection and transportation of biomedical waste	BY SMS WATER GRACE PVT. LTD.									
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	<table border="1"> <thead> <tr> <th></th><th>Quantity Generated</th><th>Where disposed</th></tr> </thead> <tbody> <tr> <td>Incineration Ash</td><td></td><td></td></tr> <tr> <td>ETP Sludge</td><td>12,500 kg</td><td></td></tr> </tbody> </table>		Quantity Generated	Where disposed	Incineration Ash			ETP Sludge	12,500 kg	
	Quantity Generated	Where disposed									
Incineration Ash											
ETP Sludge	12,500 kg										
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	SMS WATER GRACE PVT LTD.									
	(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	yes									
7	Details trainings conducted on BMW										
	(i) Number of trainings conducted on BMW Management.	06									
	(ii) number of personnel trained	121									
	(iii) number of personnel trained at the time of induction	12									
	(iv) number of personnel not undergone any training so far										
	(v) whether standard manual for training is available?										
	(vi) any other Information										
8	Details of the accident occurred during the year										
	(i) Number of Accidents occurred										
	(ii) Number of the persons affected										
	(iii) Remedial Action taken (Please attach details if any)										
	(iv) Any Fatality occurred, details.	No									
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										
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	CHEMICAL TREATMENT DONE BY NEUTRALIZATION C SODIUM HYPOCHLORITE OF BRAND CONNECTED TO ETP. Regn. No. 25017 (DMC)									
11	Is the disinfection method or sterilization meeting the log 4 standards? How many	MD Microbiology & MPH AS, Delhi-110095 Learner Tulas									

	times you have not met the standards in a year?		
12	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period from MONTH of MARCH 2023

Seema
11/4/23

Date:
Place

Seema
11/4/23
Dr. REETI
Regn. No. 25117 (DMO)
Assistant Professor
MD Microbiology & MPH
IHBAS, Delhi-110095

Name and Signature
Head of the Institution

Dr. OM PRAKASH
Professor of Psychiatry
DMC No. 44910
IHBAS, Delhi-110095

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Dr. Om Prakash

Professor of Psychiatry &

Dy. Medical Superintendent

IHBAS

F.No.35/BMW/IHBAS/2023/141

Date: 11/4/23

To

The Director,
Health services, Govt. of NCT of Delhi
Directorate of Health Services
Swasthya Sewa Nideshalaya Bhawan
F-17, Karkardooma,
Delhi 110032

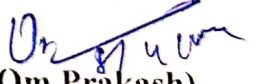
**Subject: Action Taken Report in respect of implementation of the High court orders
forbidding the use of plastic bags**

Reference: Your letter no. F.No.25/3(95)/09/DHS/BMW/12564-608 dated 16.03.10

Sir,

With reference to your letter referred to above, this is to inform that no incident of use of plastic bags has been reported at this institute, except for use of plastic bags as prescribed under BMW (handling and management) Rules, 2016. The relevant report duly filled in, in respect of this Institute for **March 2023** is forwarded herewith as desired.

Thanking you


(Dr. Om Prakash)

Copy to:-

1. OIC Computer with request to upload on website
2. OIC (BMW/HIC)
3. Assistant office of the Director

Dr. OM PRAKASH
Professor of Psychiatry
DMC No. 44910
IHBAS, Delhi-110095

Format for Report to Be Submitted To the
Member Secretary, DPCC

1.	Name of the Unit	IHBAS
2.	Name of the offender with father's name & residential address & telephone number	—
3.	Date of sample/Inspection	28/3/23
4.	Brief description of offence	—
5.	Name & Address along with telephone number of the witness	—
	1.	—
	2.	—
6.	Remarks, If any	—
7.	Enclosure: Sample & seizure memo and any other document (s): Please specify	—

[Signature]
3/4/23

ANU GUPTA
Regn. No. 25017 (DMC)
Assistant Professor
Microbiology & MPH
Delhi-110095

[Signature]
Signature

(Name and Designation of the authorized officer)

[Signature]
1/4/23

NOTE: On the time of seizure of sample, signature and addresses of two independent witnesses must be obtained

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Dr. Om Prakash

Professor of Psychiatry &

Dy. Medical Superintendent

IHBAS

F.No.35/BMW/IHBAS/2023/ 192

Date: 11/4/23

To

The Directorate
Biomedical Waste Management Cell
DHS, F-17
Karkardooma, Delhi 110032

Subject: Submission of Quarterly Report from January 2023 to March 2023

Sir,

Please find enclosed the quarterly report in prescribed format regarding bio- medical waste status at this Institute for the quarter January 2023 to March 2023.

Copy to:-

1. OIC(Computer) with request to upload on website
2. OIC (BMW/HIC)
3. Assistant office of the Director

(Dr. Om Prakash)

Dr. OM PRAKASH
Professor of Psychiatry
DMC No. 44910
IHBAS, Delhi-110095

Quarterly information required for BMW Management as per BMW Rules 2016

S.No.	Particulars	
1.	Name address of the Hospital	INSTITUTE OF HUMAN BEHAVIOUR & APPLIED SCIENCES (IHBAS), DELHI - 95.
2.	No. of authorized/sanctioned beds	313
3.	Name of the occupier (MS/Director)	DR. RAJINDER K. DHAMITA
4.	Phone No. Fax, E-mail	FAX NO. - 22599227
5.	Whether authorization from Delhi Pollution Control Committee obtained?	yes
6.	If yes, Authorisation No., date of issue and validity	DPCC/C11/EX01/2019/BMW/WST/AUTH/1995950 Dated-15/11/2019-VALID-07/07/2024
7.	Whether in house treatment facility available?	yes
	7A. If yes, write-	MICROWAVE FOR LAB. WASTE ONLY
	7B. If No. how is the BMW treated?	OTHER WASTE BY SMS WATER GRACE PVT. LTD.
	7C. Whether tie up with CBWTF Operator (name)	SMS WATER GRACE PVT. LTD.
8.	Whether Nodal Officer for BMW Management designated?	yes
	8A. If yes-pl. give name & phone No.	DR. RENU GUPTA, 9868396833
9.	Whether Biomedical Waste Management Committee formed?	yes
	9A. If yes, give name of the members	MEMBERS LIST ENCLOSED
	9B. Date of last meeting	15/3/23
10.	Whether Colour Coded Segregation Containers available?	yes
	10A. If yes-what is colour coding	RED, YELLOW
11.	Whether Colour Coded Segregation Liners/Bags available?	yes (RED, YELLOW)
	11A. If yes, what colours?	yes (RED, YELLOW)
12.	Whether using Biohazard and Cytotoxic Symbols	yes
13.	Whether Packaging & labeling practiced	yes
14.	Whether puncture proof sharps containers available for metal sharps?	yes
15.	How is glass sharp segregated?	THROUGH BLUE PUNCTURE PROOF CONTAINER
16.	Whether the laboratory waste is pretreated?	yes
17.	If yes, by what method?	BY MICROWAVE

Renu
3/4/23

Dr. RENU GUPTA
Regn. No. 25017 (DMC)
Assistant Professor
MD Microbiology & MPH
IHBAS, Delhi-110095

18.	Quantity of laboratory waste/monthwise	JAN.- 184kg, feb.-170kg, MARCH-190kg
19.	Is there any provision internal storage?	YES
20.	Whether there are any use of wheel barrow/trolleys?	YES
21.	Is there any separate provision of washing facilities for containers	YES
	21A. If No, where these containers are washed?	YES
22.	Is there any centralized storage site?	—
	22A. Is there any provision of lock and key for BMW storage?	YES
23.	Whether needle destroyers available?	YES
24.	Whether the hand hygiene is practiced in the hospital	YES
	24A. If yes, how is it monitored	YES
25.	Is there any Spill Management Protocol	OBSERVED BY HIC STAFF IN PATIENT CARE AREA FOR ONE HOUR
26.	Is there any Provision for Management of Mercury Waste, Heavy Metals	YES
27.	Whether records are maintained properly?	MERCURY IS TOTALLY PHASED OUT
	27A. If yes, whether verified by the Chairman/Nodal Officer	YES
28.	Whether there is daily supervision?	YES
	28A. If yes, whether the records are maintained	YES
29.	Is there any provision of separate waste weighing machine	YES
	29A. If yes, whether daily record of weight maintained.	YES
30.	Whether in cytotoxic drug vials are managed as per rules.	YES
	30 A. If yes, how they are managed.	IN YELLOW BAG SEPERATELY
31.	Whether there is any injury register	YES
	31 A. If yes, whether there is needle stick injury protocol	YES
32.	Is there any separate Budget Hear for BMW?	YES
33.	Whether SOPs/ guidelines available	YES
34.	Is there any provision of Training/Retraining in BMW Management	YES
	34A. If yes, the. No. of personnel trained during the quarter	Doctors- 90 Nurses- 469 Technicians- 37 Gr.IV employees- 319 Any others- M.Phil 8 students + 10 interns + 1 cook = 84 + 1 physiotherapist
35.	Is there any IEC/Community awareness	YES
36.	Whether Waste Audit carried out?	YES

Dr. RENU CHAKRA
Regn. No. 25017 (DMC)
Assistant Professor
Microbiology & MPH
HBAS, Delhi-110095

36 A. If yes, whether the audit report submitted to the head of the institution	YES
37. Whether monthly reports submitted to DHS	YES
38. Whether Quarterly reports submitted to DHS	YES
39. Whether Annual Monthly Reports submitted to DPCC	YES
40. Whether regular inspections carried out by hospital administration	YES
41. Whether consent obtained under air and water Act	YES
42. Whether Acoustic enclosures for generator sets present	YES
43. Whether effluent treatment plant (ETP) installed in the Hospital	YES
44. If yes, attach copy of laboratory Report authorized by DPCC	COPY ATTACHED
45. Whether Personal Protective Equipment (PPE) used BMW staff	YES
46. Whether the staff posted at BMW is medically examined	YES
46A. If yes, how frequently	6 MONTHLY
46B. Whether immunized against Tetanus and Hepatitis B	YES
47. Quantum of waste generated	JANUARY FEBRUARY MARCH
Incinerable	500.99kg 415.83kg 681.29kg
Autoclavable/Microwavable	831.52kg 746.76kg 911.25kg
Sharps	221.26kg 192.4 kg 238.94kg
Total	1553.77kg 1354.69kg 1831.48kg

Signature of Nodal Officer/Chairperson:
Signature of MS/CDMO:

Renu
3/4/23
Dr. RENU GUPTA
Regn. No. 25017 (DMC)
Assistant Professor
MD Microbiology & MPH
IHBAS, Delhi-110095

Dr. OM
Dr. OM PRAKASH
Professor of Psychiatry
DMC No. 44910
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WATER LABORATORY

DELHI POLLUTION CONTROL COMMITTEE
4TH FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006
visit us at <http://dpccocmms.nic.in>

Result No- DPCC/W/Misc/2021-22/09/11591

Date: 14/02/2022

LAB REPORT

1. Name & Address of Unit : M/s. Institute of Human Behaviour and Allied Sciences
Dilshad garden, Delhi-110092
2. Sampling Location : ETP Inlet & Outlet
3. Date of sampling : 04.02.2022
4. Sample collected by : DPCC Lab
5. Control Measure (if any) : ETP
6. Nature of sample : Grab
7. Nature of Industry : Health Care Establishments having bed strength above 50 beds and connected or not connected to Sewer and without boiler
8. Parameter analyzed and result

S. No.	Parameters	ETP Inlet	ETP Outlet	Prescribed Standard	OLMS	% Variation
1	pH	7.8	7.2	6.5-9.0	-	-
2	Total Suspended Solids (TSS)	196	44	100.0	-	-
3	Bio-Chemical Oxygen Demand (BOD) [3 days at 27°C]	90	20	30.0	-	-
4	Chemical Oxygen Demand (COD)	320	96	250.0	-	-
5	Bio - assay Test (percent survival of fish after 96 hours in 100 percent effluent)	Nil	90	90.0-100.0		
6	Oil and Grease	5.6	1.6	10.0		

*All parameters are in mg/l except pH

Remarks-OLMS was found non-operational at the time of DPCC sampling

N. Mohan
Dr. Nandita Moitra
I/C Water Laboratory

Rajesh Kumar
SSA/Analyst/JLA

ARIHANT ANALYTICAL LABORATORY PVT. LTD.

(NABL Accredited Laboratory)

272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonapat-131028 (Haryana)
Ph. : 7082301442, 9250014551 Email : aalkundli@gmail.com
Website : www.aalkundli.com

TEST CERTIFICATE

Page 1 of 1

Report No. AAL MIS-20230102003

Issued To: Executive Engineer (E)
HMED (East), PWD, Govt. Of Delhi
GTB Hospital, Shahdara, Delhi -110 095

Sample Description: One sample described as ETP Water, was received. (ETP Capacity 450 KLD)

Name of Work: Institute of Human Behaviors and Allied Sciences (IHBAS),
Dilshad Garden Delhi.

Name of Agency : M/s Icon R O System

Date of Receiving: 02/01/2023
Date of Starting: 02/01/2023
Date of Completion: 07/01/2023
Date of Reporting: 07/01/2023
Sample Quantity: 1 Litre
Sample Packing Condition: Plastic Bottle
Sample Submitted By: Customer

TEST RESULT

S. No.	Test parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule VI General Standards for Discharge Inland Surface Water	Testing Method
1	pH Value		7.55	5.5 - 9.0	IS 3025(P-11)-1983
2	Total Suspended Solids	mg/l	21.0	100 Max.	IS 3025(P-17)-1984
3	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
4	Biochemical Oxygen Demand (BOD - 3 days at 27°C)	mg/l	19.0	30 Max.	IS 3025(P-44)-1993
5	Chemical Oxygen Demand (COD)	mg/l	93.0	250 Max.	IS 3025(P-58)-2006

End of Report



7-6

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Tel.: 2211 4021, 32, 2259 1911-16 website: ihbas.delhigovt.nic.in

F 35/BMW/IHBAS/2022/118

Dated: 7-10-22

ANNEXURE - 1

Hospital Infection Control (HIC) Committee

NAME	DESIGNATION	POSITION IN COMMITTEE
Dr. Rajinder K.Dhamija	Director-IHBAS	HIC Chairperson
Dr. Rajeev Thakur	Professor & Head, Microbiology	HIC lead and advisor
Dr. Renu Gupta	Asst. Prof., Microbiology	Infection Control Officer
Dr. Om Prakash	DMS	Member
Dr. Suman Kushwaha	HOD, Neurology	Member
Dr. Deepak Kumar	HOD, Psychiatry	Member
Dr. V.K.S. Gautam	Asst. Prof., Neurosurgery	Member
Dr. Arvind Arya	HOD, Neuro-anaesthesia	Member
Dr. Sarbjeet Khurana	HOD, Epidemiology & OIC HK	Member
Dr. Ravindar Singh	OIC, Sanitation	Member
Dr. Muthuvenkatachalam S.	Assistant Professor, Psychiatric Nursing	Member
Dr. Sushma Kumari	Nodal Officer, Sanitation	Member
Mr. Sanjay Kumar	E.E. Electrical	Member
Mr. M.S. Bhati	A.E. Civil	Member
Ms. Soniya P. Nair	Assistant, Purchase	Member
Ms. Vibhuti Rastogi	Dietician	Member
Mr. Anil Kumar Rai	ANS	Member
Ms. Rachna Bharti	Pharmacist	Member
Ms. Sunita Rani	Senior Nursing Officer	Member
Ms. Seema Gupta	Nursing Officer	Member (ICN)
Ms. Jasveer Dhandel	Nursing Officer	Member (ICN)