



Date: 20-06-2023

The Chief Engineer Waste Management Cell West Bengal Pollution Control Board 'Paribesh Bhawan' Building No. 10A, Block - LA Sector - III, Bidhannagar Kolkata - 700 106

Submission of Annual Report in Form IV of Apollo Medical Centre, 48/1F, Leela Roy Sarani, Kolkata - 700019

Dear Sir,

In compliance with the Sl. No. 5 of Additional Conditions stipulated in the Grant of Authorization, Memo No. 18/WBPCB-RO-1/BMW/15/2001 dated 07.02-2022 issued from your office, we are submitting the Annual Report for the period January 2022 to December 2022 in the prescribed format (Form - IV), duly filled in, as per the Bio-medical Waste Management Rules, 2016.

Thanking you,

For Apollo Medical Centre

ana Day plas Rana Dasgupta

Chief Executive Officer -ER

Encl. A/a

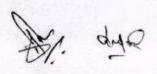




/Form – IV (See rule 13) ANNUAL REPORT

[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)]

SI. No.	Particulars		
1	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or : operator of facility)	:	Mr. Rana Dasgupta Chief Executive Officer
	(ii) Name of HCF or CBMWTF	:	APOLLO MEDICAL CENTRE
	(iii) Address for Correspondence	:	APOLLO MEDICAL CENTRE
	(iv) Address of Facility	:	48/1 F, LEELA ROY SARANI, KOL - 700 019
	(v)Tel. No, Fax. No		(033) 24618028/ 8079; 24618180
	(vi) E-mail ID	:	infokolkata@apollohospitals.com
	(vii) URL of Website	1	www.kolkata.apollohospitals.com
	(viii) GPS coordinates of HCF or CBMWTF	1	
	(ix) Ownership of HCF or CBMWTF		(State Government or Private or Semi Govt. or any other) PRIVATE
	(x). Status of Authorization under the Bio- Medical Waste (Management and Handling) Rules	:	Authorisation No.: DOO14248 Valid upto: 30/11/26
	(xi). Status of Consents under Water Act and Air Act	:	25/WBPCB-R O-1/0/14 37/2016 Valid upto:3 0/11/26
2	Type of Health Care Facility	1	
	(i) Bedded Hospital	- 0	No. of Beds: 10
	(ii) Non-bedded hospital Clinical Laboratory or Research Institute or Veterinary Hospital or any other)		NA
	(iii) License number and its date of expiry	1	34235670. Validity - 29/12/2025
3	Details of CBMWTF	1	
	(i) Number of health care facilities covered by CBMWTF	1	1893 Nos
	(ii) No. of Beds covered by CBMWTF	:	The second secon
	(iii) Installed treatment and disposal capacity of CBMWTF;	;	Bio Medical waste generated from 30,000 beds
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	1	7846 Kg/day
4	Quantity of waste generated or disposed in	1	Yellow Category: 95.1 Kgs
	Kg per Annum (on monthly average basis)		Red Category: 215 Kgs
			White: 2.7 Kgs
			Blue Category: 16.4 Kgs
			General Solid Waste: 1650 Kgs
5	Details of the Storage, Treatment, Transporta	tion,	Processing and Disposal Facility
	(i) Details of the on-site storage	1:	Size:1) 12' x 10' - 02 nos, 2) 8'x 6' - 02 nos



3	facility			Capacity: 2000 Kgs					
				Provision of on-site storage: (Cold storage o 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	-	-	-		
				Plasma Pyrolysis Autoclaves	-		-		
				Microwave	-				
				Hydroclave	-	-			
				Shredder	-	-	-		
				Needle tip cutter or destroyer					
	The same of			Sharps	-		-		
				Encapsulation or concrete pit					
				Deep burial pits		-			
				Chemical disinfection:	-	-	-		
				Any other treatment equipment:	-		•		
	(iii)	Quantity of recyclable wastes sold to authorized recyclers after treatment in Kg per annum	\$	Red Category (like plas	tic, glass,	etc.) NA		
	(iv)	No. of Vehicles used for collection and transportation of biomedical waste	:	01 No.					
	(v)	Details of incineration ash and ETP sludge generated and			Quant		Where disposed		
		disposed during the treatment of		Incineration	NA	N			
	1 5	wastes in Kg per annum		Ash	NA	N			
	2			ETP Sludge	NA	N	a		
	(vi)	Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of		Medicare Environmental Management Pvt. Howrah Facility			ment Pvt. Lte		
	. (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			YES (Attached)					

7	Details tr	rainings conducted on BMW	
	(i)	Number of trainings conducted on BMW Management	22 Sessions
	(ii)	Number of personnel trained	105 Staffs
	(iii)	Number of personnel trained at the time of induction	All
	(iv)	Number of personnel not undergone any training so far	None
	(v)	Whether standard manual for training is available?	Yes
8	Details o year	f the accident occurred during the	
	(i)	Number of Accidents occurred	Nil
	(ii)	Number of persons affected	Na
	(iii)	Remedial Action taken (Please attach details if any)	Attended by House Physician and necessary steps taken as per protocols.
	(iv)	Any Fatality occurred, details	NA
9	Pollution	meeting the standards of air from the incinerator? How nes in last year could not met dards?	NA
		f Continuous online emission ng systems installed	NA NA
10	methods	aste generated and treatment in place. How many times you met the standards in a year?	STP Standards maintained. (Half yearly test reports attached)
11	sterilizat standard	sinfection method or ion meeting the log 4 is? How many times you have not standards in a year?	NA
12	Any othe	er relevant information	(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the	period from	
	r 2022 D	
	: January 2022 – December 2022	4.4.4.4

RANA DASGUATA

ROMA DASGUATA

Name and Signature of the Head of the Institution

Date: 20 06 2023
Place: KOLKATA.



FORM - I |See rule 4(o), 5(i) and 15(2)|

ACCIDENT REPORTING

1. Date and time of accident

:NA

2. Type of Accident

:Nil

3. Sequence of events leading to accident

:NA

4. Has the Authority of been informed immediately:NA

5. The type of waste involved in accident

:NA

 Assessment of the effects of the accidents on human health and the environment NA

7. Emergency measures taken

:NA

8. Steps taken to alleviate the effects of accidents :NA

9. Steps taken to prevent the recurrence of such

an accident

:NA

10. Does you facility has Emergency Control policy?If yes, give detail: Yes. Hospital Emergency Code is declared for Spill Management. Team arrives to do the clearance as per the policy.

Date : 20 06 12023

Place : KOLKATA

Signature

Designation

e Romadazgipla



Mitra S. K. Private Limited



TEST REPORT

Name & Address of Customer:

Apollo Medical Centre - Gariahat

48/1F, Leela Roy Sarani, Kolkata- 700019

Report No. :

MSKGL/ED/2022-23/000058

Date:

07/11/2022

Sample No. :

MSKGL/ED/2022-23/11/01324

Drawn/Submitted on:

02/11/2022

Reference No. & Date:

As per W.O. dtd on 18.04.2022

We hereby certify that the following sample drawn by as / submitted by the customer has been analyzed with the following

1. Description of sample (As declared by customer)	Effleunt Water		
2. Sample Mark (if any given by the customer)	Efficient Water from ETP/STP Outlet		
3. Date of sampling	01/11/2022		
4. Place of sampling	Apollo Medical Centre - Gariahat		
5. Environmental conditions during sampling	Maintained		
6. Sampling Plan & Procedures used	As per standard guidelines		

Report No.:

MSKGL/ED/2022-23/000058

Sample No.:

MSKGL/ED/2022-23/11/01/324

ANALYSIS RESULT

Chemic	al				
SI No.	Test Parameters	Unit	Test Method	Limit as per CPCB	Result
1	pH value at 25	None	31 - 23rd Edition) 4500 H B 2017	3 5.0 ()	7 14 at 25 deg 0
2	Total Dissolved Solids (as TDS)	mg/l	= V-IA (23rd Edition) 2540C 2017		840
3	Biochemical Oxygen Demand	mg/l	14 (23 Edition) 52108 2017	30	12
4	Chemical Oxygen Demans	mg/l	23° Edition, 52208, 2017	250	48
5	Oil and case	mg/l	FeiA (23) Edition, 5520B 2017	10	< 6.0
6	Bio-assay	None	(FAZ013)	90% san wal of fish after 96 hours in 100% effluent	TF=1

DL: Detection Limit BDL: Below Detection Limit

Opinion: All fishes are survived in 190% effluent after 96 hrs. (TF=1)

Report Verified By

For Mitra S. K. Private Limited

Authorised Signatory

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Shrachi Centre (5th Floor), 74B, A.J.C. Bose Road, Kolkani. 700016, West Bengal, India. Tel.: 91 33 40143000 / 22650007 Fax: 91 33 22650008 Email: info@mitrask.com Website: www.mitrask.com

Page 1 of 1



Hospital name: Apollo Medical Centre, Kolkata

MEETING MINUTES

Committee Name:	Bio Medical Waste Management					
Date of Meeting: (DD/MM/YYYY)	03.03.22		Time:			
Location:	GM Operations Office	Start:	03 pm			
Minutes Prepared By:	Ms. Tanusri Pal	End:	04 pm			
Presided by:	Mr. Rajeshwar Rao					

1. Attendance at Meeting [add rows as necessary]

- 1. GM, Operations, Mr. Rajeshwar Rao
- 2. Sr Manager Housekeeping , Ms. Tanusri Pal
- 3. Security Supervisor Mr. Subrata Sarkar
- 4. Nursing Incharge , Ms. Malati Chetri
- 5. Sr. Supervisor Housekeeping, Mr. Sovan Sen
- 6. Supervisor Housekeeping , Ms. Deboshree Dutta

2. Meeting Agenda

- 1. Timely Pick up of the waste
- 2. Training on BMW during Induction.
- 3. Maintenance of the Storage rooms
- 4. Availability of BMW consumables.

3. Previous meeting discussions/followards (if any):

Previous minutes were confirmed, decisions taken as per the requirements and there were no other amendments.

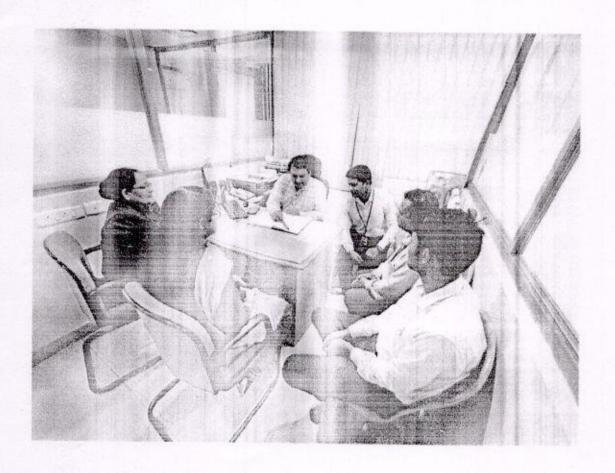


Hospital name: Apollo Medical Centre, Kolkata

General comments (if any):

S/No	Points Discussed	Responsible for Action	EDC
1.	It has been observed that there are occasions where the waste is not picked within 48 hours. It has to be discussed with the Howrah unit for prompt action.	Mr. Tanusri Pal	Immediate
2.	All the new joiners should undergo a training on Bio Medical Waste Management during their induction program.	Mr. Rajeshwar Rao	Immediate
3.	The locking system of Yellow storage room is not appropriate. Needs immediate repair work.	Mr. Sovan Sen	15/03/2023
4.	There is irregular supply of the bio medical waste bags by Medicare. Urgent discussion is needed with Purchase department and the materials department of the Medicare unit.	Ms. Deboshree Dutta	20.03.2023





Signed by:

(Chairperson)



APOLLO MEDICAL CENTRE

BIO MEDICAL WASTE MANAGEMENT- COMMITTEE MEETING

DATE:	3.3.2023	TIME:	3 pm-4p	m
PEAKER:	V. Rajuh Rao	VENUE:	4-th floor	(Admin Blog
SLNO	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	SIGNATURE
1	V. Najesh Ras	GM-Ops	Operations	Walas
2	Malati chathi	West Nsg Supe	Heid. Newsing	Michalli
3	SUBRATH SANKAL	52 500021450	ravisa)	Mar
4	DEBOSHREE AVMA		HOUSEKEEPING	Buth
5	Miladni Lugaph	Executive	House keeping	Sp
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SIGNATURE OF THE SPEAKER:

Apollo

Hospital name: Apollo Medical Centre, Kolkata

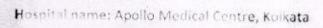
MEETING MINUTES

Committee Name:	Bio Medical Waste Management Committee				
Date of Meeting: (DD/MM/YYYY)	01.09.2022	Time:			
Location:	GM Operations : Office	Start:	02 pm		
Minutes Prepared By:	Ms. Tanusri Pal	End:	03 pm		
Presided by:	Mr. Rajeshwar Rao				

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- 1. GM, Operations, Mr. Rajeshwar Rao
- 2. Sr Manager Housekeeping, Ms. Tanusri Pal
- Security Supervisor Mr. Subrata Sarkar
- 4. Nursing Incharge, Ms. Malati Chetri
- 5. Sr. Supervisor Housekeeping, Mr. Sovan Sen
- 6. Supervisor Housekeeping, Ms. Deboshree Dutta
- 1. Revision of Hazmat Response Torra
- 2. Availability of MSOS as per hazmat list.
- HISDS file need to have index with page marking
- A. Decision on mercury spill kit
- 5. Tramms on BMW during Induction.
- 6. Availability of BMW consumables.

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amendoredts.	offrmed, the islans taken as per the requirements and there were no other





General comments (if any):

S/No	Points Discussed	Responsible for Action	EDC
1.	It was briefed by Senior Manager, Housekeeping that area wise modification done in Hazmat Response Team and it will be effective from 10 th September, 2022.	For Information	10.09.22
2,	It was suggested by the committee members that hazmat item Is should to undergone through proper revision based on current and decrease and consumption pattern.	Respective HOD	14 09.22
3.	Dronnation of area specific bilingual MSDS is under process.	Respective Department & Quality	14.10.22
4.	It has been advised that there should be a training session on national induction.	GM - Operations	01.11.22
5.	Have tripled by GM Operations to Materials department to include a mark of BMW consumables at regular intervals.	GM Operations	Immediate
6.	- Proceedings Waste Handlers should wear appropriate PPE	Sr. Manager - Housekeeping	Immediate





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Apolic APOLLO MEDICAL CENTRE - KOLKATA HOUSEKEEPING TRAINING ATTENDANCE SHEET Biomedial TOPIC: TIME: 4th Pin -Apollo Medical Confre 2.8.2022 DATE: VENUE: TRAINER SIGNATURE EMPLOYEE ID EMPLOYEE NAME SLNO 550000 184 55 mils 55000278 Lob 55000 K 55 000208 Jala Deme DHANCK 10 14 15 16 17 18 14 26 22 24 25 26 28 30 HOUSEKEEPING H.O.D. SIGNATURE

TRAINER'S



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-	HOL	SEKPEDIN	MEDICAL CENTRE -	NVENTA
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