



Date: 25.06.2025

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

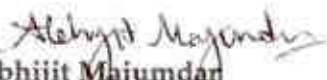
**Sub : Submission of Annual Report in Form IV Apollo Multispecialty Hospitals
Limited, Kolkata - 700 054**

Dear Sir,

Please find enclosed herewith the Annual Report in the prescribed format (Form IV) in favor of Apollo Multispecialty Hospitals Limited, Kolkata - 700 054 for the period of January 2024 to December 2024.

Thanking you,

For Apollo Multispecialty Hospitals Limited


Abhijit Majumdar
Chief Executive Officer

Encl. A/a

Abhijit Majumdar
Chief Executive Officer
Apollo Multispecialty Hospitals Ltd.
58, Canal Circular Road
Kolkata-700 054



Apollo Multispecialty Hospitals Limited

(Formerly Apollo Gleneagles Hospital Limited), 58, Canal Circular Road, Kolkata, West Bengal - 700 054, India.

+91-33-4420 2122 / 2320 3040 / 2320 2122, Emergency ☎ 1098 QIN:U33112W01989PLC045223

Gargahat Clinic: 46/1F, Leela Roy Sarani (Gargahat), Kolkata, West Bengal - 700 019, India ☎ +91-33-2481 8028 / 8079 / 8451 / 8547 / 9482

✉ info.kolkata@apollohospitals.com 🌐 kolkata.apollohospitals.com



 [ApolloMultispecialtyHospitals](https://www.facebook.com/ApolloMultispecialtyHospitals)
 [apollohospitals](https://twitter.com/apollohospitals)
 [Apollo_Kolkata](https://www.instagram.com/apollohospitals)
 [Apollo Multispecialty Hospitals](http://ApolloMultispecialtyHospitals.com)

/Form – IV
(See rule 13)
ANNUAL REPORT

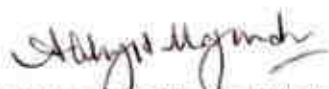
[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or : operator of facility)	:	Mr. Abhijit Majumder Chief Executive Officer
	(ii) Name of HCF or CBMWTF	:	Apollo Multispecialty Hospitals
	(iii) Address for Correspondence	:	58 Canal Circular Road, Kadapara, Phoolbagan
	(iv) Address of Facility	:	Kakurgachi, Kolkata - 700054
	(v) Tel. No, Fax. No	:	(033) 2320 2122/3040 ; 23205218
	(vi) E-mail ID	:	infokolkata@apollohospitals.com
	(vii) URL of Website	:	kolkata.apollohospitals.com
	(viii) GPS coordinates of HCF or CBMWTF	:	Yes
	(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.: <u>06/25(BM)-523/99-2000</u> 6/9/21 Valid upto: <u>31/8/26</u>
	(xi). Status of Consents under Water Act and Air Act	:	06/25/CON(BM)-31/25/2015. Valid upto:31/08/26
2	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds: <u>750</u>
	(ii) Non-bedded hospital	:	NA
	Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	
	(iii) License number and its date of expiry	:	34234624. Validity - 3/08/2025
3	Details of CBMWTF	:	
	(i) Number of health care facilities covered by CBMWTF	:	1774 Nos
	(ii) No. of Beds covered by CBMWTF	:	-
	(iii) Installed treatment and disposal capacity of CBMWTF;	:	<u>7500</u> Kg / day
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	:	<u>7222</u> Kg / day
4	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)	:	Yellow Category: 14,953Kgs Red Category: 15,324 Kgs White:721 Kgs Blue Category: 3, 219 Kgs General Solid Waste: 60,000 Kgs
5	Details of the Storage, Treatment, Transportation, Processing and Disposal Facility		
	(i) Details of the on-site storage	:	Size:1) 12' x 10' – 02 nos, 2) 8'x 6' – 02 nos

	facility		Capacity: 2000 Kgs			
			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	-	-	-
			Plasma Pyrolysis	-	-	-
			Autoclaves	1	5 Litre	1200 Ltrs
			Microwave	-	-	-
			Hydroclave	-	-	-
			Shredder	-	-	-
			Needle tip cutter or destroyer			
			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 plastic, 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 disposed during the treatment of wastes in Kg per annum			Quantity Generated	Where disposed	
			Incineration	NA	NA	
			Ash	NA	NA	
			ETP Sludge	2000 Kgs	Dumping Area	
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of		Medicare Environmental Management Pvt. Ltd. Durgapur Facility			
	(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 trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management		430 Sessions
	(ii) Number of personnel trained		5314 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 of the accident occurred during the year		
	(i) Number of Accidents occurred		20 - Needle Stick Injury
	(ii) Number of persons affected		20 Staffs
	(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	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?		STP Standards maintained. (Half yearly test reports attached)
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		(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period: January 2024 – December 2024


 Name and Signature of the Head of the Institution

Date: 25.06.2025

Place: KOLKATA

Abhijit Majumdar
 Chief Executive Officer
 Apollo Multispeciality Hospitals Ltd.
 58, Canal Circular Road
 Kolkata-700 054

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
6. 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 : 25.06.2025

Place : KOLKATA

Signature

Designation

Janus Pal
DGM-House Keeping

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
6. 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 your facility have 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 : 25.06.2025

Place : KOLKATA



Signature

Designation

Janusi Pal
DGM - Housekeeping

MEETING MINUTES

Committee Name:	BIO MEDICAL WASTE MANAGEMENT COMMITTEE		
Date of Meeting: (DD/MM/YYYY)	01.03.2024	Time: 4 pm – 5 pm	
Location:	Board Room	Start:	4 pm
Minutes Prepared By:	Tanusri Pal	End:	5 pm
Presided By:	Dr. Surinder Singh Bhatia – Director of Medical Services		

1. Attendance at Meeting (add rows as necessary)

1. Dr. Surinder Singh Bhatia- Director of Medical Services
2. Capt. Madhukari Ray - Director Nursing
3. Mr. Dulal Chakraborty – GM Operations
4. Mr. Ashish Mishra, Company Secretary
5. Ms. Soma Das, Head – QA
6. Sr. Premlata Biswal - Sr. Nursing Superintendent
7. Sr. Poulomi Roychowdhury – Sr. Nursing Superintendent
8. Ms. Junie Xaviour , Nursing Superintendent
9. Ms. Rupanita Mondal – Sr.Executive
10. Mr. Niladri Sen Gupta-Executive
11. Mr. Amitava Nandi, DGM - Materials
12. Ms. Tanusri Pal, Sr. Manager - Housekeeping
13. Mr. Akash Karmakar, Sr Executive, Quality Assurance
14. Mr. Partho Sarathi Chowdhury, Manager – Housekeeping
15. Mr. Biswajit Majumder – Housekeeping
16. Mr. Jayanta Das – Assit. Manager Security
17. Mr. Sowmik Sarkar – Manager Maintenance
18. Mr. Sanjay Kumar – Manager Pharmacy

Hospital name: Apollo Multispeciality Hospitals, Kolkata



19. Mr. Raju Singh – Manager Housekeeping

20. Mr. Amitabha Naskar – Manager Administration

2. Meeting Agenda

1. Timing for waste collection by Medicare.
2. Gate Pass for vehicles of Medicare.
3. Clearance of waste trolley bay.
4. Visit to Medicare facility.
5. Bio Medical Waste Generation limit – Increase in plastic category waste.
6. Requirement of a mobile phone exclusive for Bio Medical Waste Department.
7. Pictorial BMW disposal bi-lingual posters.
8. Equipment for cleaning Storage room (Jet Pressure Machine)
9. Training on BMW during Induction programme.

3. Previous meeting discussions/ follow ups (if any):

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

4. Action Items/ Decision tracker *(add rows as necessary)*

Key Issues Discussed	Root Cause Identified	Agreed Action/ Decision	Assigned To/ Responsibility	Due Date	Follow up/ Status
1. Timing for waste collection by Medicare.	It has been observed that few days the pick up is missed	Briefed the disposal agency for timely pick up of the bio medical waste.	Ms. Tanusri Pal	Immediate	Immediate

Hospital name: Apollo Multispeciality Hospitals, Kolkata



2. Gate Pass for vehicles of Medicare.	Gate pass should be clearly noted	It has been decided to ask the agency to send vehicle after 12 noon	Ms. Tanusri Pal	Immediate	Immediate
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3. Clearance of waste trolley bay	It has been observed that the cleaning bay is blocked by bicycles .	Security department needs to monitor the parking	Mr. Chiranjeev	7/3/2024	Immediate
4. Visit to Medicare facility	Visit to Medicare Durgapur Unit is pending	Since the unit has changed from Kalyani To Durgapur – visit has to be organized	Ms. Tanusri Pal / Sr. Junie Xaviour	15/3/2024	Immediate
5 Maintenance work in the common storage area	The maintenance work in storage room needs urgent attention	List of maintenance points to be given to Engg department	Ms. Tanusri Pal / Mr. Anindya Dutta	30/04/2024	Immediate
6. Replacement of transportation trollies	The castors of bin trollies are rusted and damaged	Trollies to be repaired	Mr. Amitava Nandi	30/04/2024	Immediate
7 Equipment for cleaning Storage room (Jet Pressure Machine)	High pressure water required for cleaning of Bio Medical Waste Rooms	Jet Pressure Machine to be ordered in the next capex	Ms. Tanusri Pal / Mr. Amitava Nandi	15/05/2024	Immediate

Hospital name: Apollo Multispeciality Hospitals, Kolkata



Signed by:

Gulab Chatterjee

(Chairperson)

APOLLO MULTISPECIALITY HOSPITALS - KOLKATA

BIO MEDICAL WASTE MANAGEMENT- COMMITTEE MEETING

DATE:	01.03.2024	TIME:	3pm
SPEAKER:	Ms. Tanusri Pal.	VENUE:	Board Room
SLNO	EMPLOYEE NAME	DESIGNATION	SIGNATURE
1	NULAL	GM-OPD.	Qu
2	Madhukar Ray	WON - ER	thy
3	PAULAMI CHOWDHURY	SR. NS	Qu
4	PREMALATA BISWAL	SR. N.S	f. b. b. b.
5	Soma Das	Regional Head	Soma
6	Akash Kumar	Quality	Akash
7	Amitava Dandi	DGM	Ami.
8	Ashish Mishra	C.S.	Ashish
9	Dr. Sunil Kumar Singh	DMS	Dr. Sunil
10	Rajin Singh	Manager	Rajin
11	Somik Sarkar	Manager	Somik
12	Tayanta Das	AM	Tayanta
13	Lucie Xauoit	NS-IC	Lucie
14	Sanjay Kumar Berman	Manager- Pharmacy	Sanjay
15	Pooja Sarathi Choudhury	Manager - Hu	Pooja
16	Niladri Sengupta	Sr. Executive	Niladri
17	Amitava Naskar	Mgr	Amitava
18	Tapas Das.	Sr. Supervisors.	Tapas
19	Biswanath Mazumder	Site Supervisor - Hu	Biswanath
20	Rupansita Mandal.	Sr. Executive - Hu	Rupansita

SIGNATURE OF THE SPEAKER:



MEETING MINUTES

Committee Name:	BIO MEDICAL WASTE MANAGEMENT COMMITTEE		
Date of Meeting: (DD/MM/YYYY)	01.10.2024	Time: 4 pm – 5 pm	
Location:	Board Room	Start:	4 pm
Minutes Prepared By:	Tanusri Pal	End:	5 pm
Presided By:	Dr. Surinder Singh Bhatia – Director of Medical Services		

1. Attendance at Meeting (add rows as necessary)

1. Dr. Surinder Singh Bhatia- Director of Medical Services.
2. Dr. Partho Bhattacharyya - JDMS
3. Capt. Madhukari Ray - Director Nursing
4. Mr. Dulal Chakraborty – GM Operations
5. Mr. Ashish Mishra, Company Secretary
6. Ms. Junie Xaviour , Nursing Superintendent
7. Mr. Deepak Majumdar – Manager Human Resources
8. Mr. Amitabha Naskar – Manager Administration
9. Mr. Amitava Nandi, DGM – Materials
10. Ms. Tanusri Pal, DGM – Housekeeping
11. Mr. Shyam Pal – Sr. Manager Pharmacy
12. Mr. Sowmik Sarkar – Manager Maintenance
13. Mr. Jayanta Das – Asst. Manager Security
14. Ms. Ruparwita Mondal – Sr. Executive
15. Mr. Niladri Sen Gupta-Executive
16. Mr. Akash Karmakar, Sr Executive, Quality Assurance
17. Mr. Partho Sarathi Chowdhury, Manager – Housekeeping
18. Mr. Biswajit Majumder – Supervisor, Housekeeping

2. Meeting Agenda

1. Rise in quantity of waste generation.
2. Requirement to enhance the waste generation limit.
3. Measures to reduce the waste generation.
4. Clearance of waste trolley bay.
5. JCI Survey observation points.
6. Barcode service to be looked into.
7. Pictorial BMW disposal bi-lingual posters.
8. Equipment for cleaning Storage room [Jet Pressure Machine]
9. Training on BMW during Induction programme.

3. Previous meeting discussions/ follow ups (if any):

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

4. Action Items/ Decision tracker *(add rows as necessary)*

Key Issues Discussed	Root Cause Identified	Agreed Action/ Decision	Assigned To/ Responsibility	Due Date	Follow up/ Status
Rise in quantity of waste generation	Increase in critical care units	Fluid from used bottles to be emptied out prior to disposal	Capt. Madhukari Ray / Ms. Tanusri Pal	Immediate	Immediate
Requirement to enhance the waste generation limit	Increase in critical care units	New application to be submitted to Pollution Control Board	Mr. Ashish Mishra / Ms. Tanusri Pal	31/10/2024	

Hospital name: Apollo Multispeciality Hospitals, Kolkata



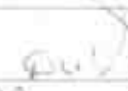
Measures to reduce the waste generation:	Increase in critical care units.	Fluid from used bottles to be emptied out prior to disposal and appropriate segregation of waste	Ms. Tanusri Pal / Mr. Partho Chowdhury	Immediate	Immediate
Clearance of waste trolley bay route.	Parking of vehicles.	Parking attendants stop allowing vehicle parking in this route	Mr. Jayanta Das	Immediate	Immediate
JCI Survey observation points	Exhaust flow is towards the staffs working in the area	Exhaust vents direction to change	Mr. Soumik Sarkar	4/10/2024	
Barcode service to be looked into.	Irregularity in service of barcode tracking system	New service provider to be looked	Mr. Amitava Nandi	11/10/2024	
Pictorial BMW disposal bi-lingual posters	Clarity in understanding	Bilingual posters to be designed.	Ms. Rupanwita Mandal	15/10/2024	
Equipment for cleaning Storage room (Jet Pressure Machine)	Cleaning of rooms and trollies.	Equipment to be ordered	Ms. Tanusri Pal / Mr. Amitava Nandi	10/11/2024	
Training on Bio-Medical Waste during Induction programme	Lack of clarity in the current session	Detailed session on Bio-Medical waste segregation to be designed	Ms. Rupanwita Mandal / Mr. Deepak Mazumdar	14/10/2024	



(Chairperson)

APOLLO MULTISPECIALITY HOSPITALS - KOLKATA

BIO MEDICAL WASTE MANAGEMENT- COMMITTEE MEETING

DATE:	01.10.2024	TIME:	4pm - 5pm
SPEAKER:	Mr. Tanusri Pal	VENUE:	Board Room
SLNO	EMPLOYEE NAME	DESIGNATION	SIGNATURE
1	NILAL CHAKRABARTY	GM - OPS	
2	Shail Xamodali	NS	
3	Akash K. Das	Quality	
4	Soma Das	Quality	
5	Amritava Mandal	Diagnostics	
6	Biswajit Majumdar	H.R. Stone	
7	Pratibha Biswas	Sec	
8	Ashish Misra	C.S.	
9	Dr. Kunal Das	DME	
10	Rupamrita Mandal	Sp. Executive	
11	SHYAM PAUL	NGM	
12	SEWMIK SARKAR	Manager	
13	Jayanta Das	Manager	
14	Artha Swathi Choudhury	RTO 0089-Manager H.A.	
15	Niladri Sengupta	SENIOR EXECUTIVE	
16	Deepak Majumdar	As. Mgr. - HR	
17	Amritava Mandal	Admin Manager	
18			
19			
20			

SIGNATURE OF THE SPEAKER:





R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001 : 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380 / 3381 / 3382 / 3383, Website : www.rvbriggs.com

E-mail : rvbriggs.kolkata@gmail.com, info@rvbriggs.com

CIN : U51109WB1931PTC007007



TC-12347

TEST REPORT

No. E(D)/23-24/1894

Date: 28 March 2024

Page 1 of 1

Issued to : M/s. APOLLO MULTISPECIALITY HOSPITALS LTD.
58, Canal Circular Road, Saltlake, Kolkata-700054

Your Ref. No. : AMH/MAINT/AMC/HOSPITAL & MEDICAL CENTRE/TESTE &
ANALYSIS/STP WATER, BOREWELL WATER, NOISE/AIR, FLUE GAS
(R.V.BRIGGS-001/2023-2024, Dtd: 27.04.2023)

Description of Sample : Effluent
Collection Source : STP Outlet
Sample Carried out by : Mr. J.Pramanik and Mr. A.Paul
Sampling Plan : RVB/EM/45
Sample Drawn by us on : 18.03.2024 at 2.05 P.M.
Analysis completed on : 28.03.2024

Sample collection Procedure : APHA 24th Edition 1060
Mode of Sampling : Grab
Environmental condition during sampling : Temperature : 30.5°C, Transported in Ice box, Cold chain maintained

Parameter Tested:

pH, TSS, TDS, O & G, BOD, COD

TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Results	Limit as per Environmental Protection Act, MOE & F for Effluent discharged into Inland surface water
1	pH Value	APHA 23rd edition-4500H-B	---	7.54	5.5 - 9.0
2	Total Suspended Solids (TSS)	APHA 23rd edition 2540D	mg/l	24	100 (Max.)
3	Total Dissolved solids (TDS)	APHA 23rd edition 2540C	mg/l	548	---
4	Oil & Grease (O & G)	APHA 23rd edition 5520B	mg/l	< 2	10 (Max.)
5	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part - 44) - 1993	mg/l	10	30 (Max.)
6	Chemical Oxygen Demand (COD)	APHA 23rd edition 5220B	mg/l	37	250 (Max.)
7	Bioassay Test	I.S. 6582 (Part - 2) 2001	-	90% of fish survived after 96 hrs. in 100% effluent	90% survival of fish after 96 hrs. in 100% effluent

Remarks on Test Report :

The above mentioned sample of effluent complies with Environmental Protection Act, MOE & F for effluent discharged into Inland Surface water in respect of above mentioned parameters.

Note : BDL : Below Detection Limit.

Minimum Detection Limit of Oil & Grease : < 2 mg/l.

:- END OF TEST REPORT:-

Report Verified by
(J. Das)

(Dr. R. KARIM)
Technical Manager
Authorised Signatory

- * The test report shall not be reproduced, except in full, without written approval of the Company.
- * Results relate only to the parameters tested.



R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001 : 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

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Phone : (033) 4044-3380 / 3381 / 3382 / 3383, Website : www.rvbriggs.com

E-mail : rvbriggs.kolkata@gmail.com, info@rvbriggs.com

CIN : U51109WB1931PTC007007



TC-12347

TEST REPORT

No. E(D)/23-24/1893

Date: 28 March 2024

Page 1 of 1

Issued to : M/s. APOLLO MULTISPECIALITY HOSPITALS LTD.
58, Canal Circular Road, Saltlake, Kolkata-700054

Your Ref. No. : AMH/MAINT/AMC/HOSPITAL & MEDICAL CENTRE/TESTE &
ANALYSIS/STP WATER, BOREWELL WATER, NOISE/AIR, FLUE GAS
R.V.BRIGGS/001/2023-2024, Dtd : 27.04.2023

Description of Sample : Effluent
Collection Source : STP Inlet
Sample Carried out by : Mr. J.Pramanik and Mr. A.Paul
Sampling Plan : RVB/FM-45
Sample Drawn by us on : 18.03.2024 at 1.30 P.M.
Analysis completed on : 28.03.2024

Parameter Tested:

pH, TSS, TDS, O & G, BOD, COD

Sample collection Procedure : APHA 24th Edition 1060
Mode of Sampling : Grab
Environmental condition during sampling : Temperature : 29°C, Transported in ice box, Cold chain maintained

TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Results
1	pH Value	APHA 23rd edition-4500H+B	---	6.88
2	Total Suspended Solids (TSS)	APHA 23rd edition 2540D	mg/l	84
3	Total Dissolved solids (TDS)	APHA 23rd edition 2540C	mg/l	662
4	Oil & Grease (O & G)	APHA 23rd edition 5520B	mg/l	4.6
5	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	I.S. 3025 (Part - 44) - 1993	mg/l	55
6	Chemical Oxygen Demand (COD)	APHA 23rd edition 5220B	mg/l	188

:- END OF TEST REPORT:-

Report Verified by
(J. Das)

(Dr. R. KARIM)
Technical Manager
Authorised Signatory



R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001 : 2018 CERTIFIED COMPANY)

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E-mail : rvbriggs.kolkata@gmail.com, info@rvbriggs.com

CIN : U51109WB1931PTC007007



TC-12347

TEST REPORT

Certificate No.E(D)/24-25/1048

Issue Date: 09 September 2024

Page 1 of 1

Issued to : M/s. APOLLO MULTISPECIALITY HOSPITALS LTD.
58, Canal Circular Road, Saltlake, Kolkata-700054
Your Ref. No. : AMHL/MAINT.AMC/HOSPITAL & MEDICAL CENTRE/TESTE &
ANALYSIS/STP WATER, BOREWELL WATER, NOISE,AIR, FLUE GAS
R.V.BRIGGS/001/2024-2025, Dtd : 01.04.2024
Description of Sample : Effluent
Collection Source : STP Outlet
Sample Carried out by : Mr. Jayanta Pramanik
Sampling Plan : RVB/FM/45
Sample Drawn by us on : 04.09.2024 at 12.40 P.M.
Analysis Started on : 04.09.2024
Analysis Completed on : 09.09.2024

Parameter Tested:
pH, TSS, TDS, O & G, BOD, COD
& Bioassay Test

Sample collection Procedure : APHA 24th Edition 1060
Mode of Sampling : Grab
Environmental condition during sampling : Temperature : 28°C, Transported in ice box, Cold chain maintained

TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Results	Limit as per Environmental Protection Act, MOE & F for Effluent discharged into Inland surface water
1	pH Value	APHA 24th edition-4500H+B	---	7.42	5.5 - 9.0
2	Total Suspended Solids (TSS)	APHA 24th edition 2540D	mg/l	12	100 (Max.)
3	Total Dissolved solids (TDS)	APHA 24th edition 2540C	mg/l	1226	--
4	Oil & Grease (O & G)	APHA 24th edition 5520B	mg/l	< 2	10 (Max.)
5	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part - 44) - 1993	mg/l	12	30 (Max.)
6	Chemical Oxygen Demand (COD)	APHA 24th edition 5220B	mg/l	40	250 (Max.)
7	Bioassay Test	I.S. 6582 (Part - 2) 2001	--	100% of fish survived after 96 hrs. in 100% effluent	90% survival of fish after 96 hrs. in 100% effluent

Remarks on Test Report :

The above mentioned sample of effluent complies with Environmental Protection Act, MOE & F for effluent discharged into Inland Surface water in respect of above mentioned parameters.

Note : BDL : Below Detection Limit.

Minimum Detection Limit of Oil & Grease : 2 mg/l.

Report Verified by

:- END OF TEST REPORT:-

(Dr. R. KARIM)
Technical Manager
Authorised Signatory



R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001 : 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380 / 3381 / 3382 / 3383, Website : www.rvbriggs.com

E-mail : rvbriggs.kolkata@gmail.com, info@rvbriggs.com

CIN : U51109WB1931PTC007007



TC-12347

TEST REPORT

Certificate No.E(D)/24-25/1047

Issue Date: 09 September 2024

Page 1 of 1

Issued to : M/s. APOLLO MULTISPECIALITY HOSPITALS LTD.
58, Canal Circular Road, Saltlake, Kolkata-700054
Your Ref. No. : AMHL/MAINT.AMC/HOSPITAL & MEDICAL CENTRE/TESTE &
ANALYSIS/STP WATER, BOREWELL WATER, NOISE,AIR, FLUE GAS
R.V.BRIGGS/001/2024-2025, Dtd : 01.04.2024
Description of Sample : Effluent
Collection Source : STP Inlet
Sample Carried out by : Mr. Jayanta Pramanik
Sampling Plan : RVB/FM/45
Sample Drawn by us on : 04.09.2024 at 12.30 P.M.
Analysis Started on : 04.09.2024
Analysis Completed on : 09.09.2024

Parameter Tested:
pH, TSS, TDS, O & G, BOD, COD

Sample collection Procedure : APHA 24th Edition 1060
Mode of Sampling : Grab
Environmental condition during sampling : Temperature : 29°C, Transported in Ice box, Cold chain maintained

TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Results
1	pH Value	APHA 24th edition-4500H+B	...	6.92
2	Total Suspended Solids (TSS)	APHA 24th edition 2540D	mg/l	52
3	Total Dissolved solids (TDS)	APHA 24th edition 2540C	mg/l	2366
4	Oil & Grease (O & G)	APHA 24th edition 5520B	mg/l	6.9
5	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	I.S. 3025 (Part - 44) - 1993	mg/l	87
6	Chemical Oxygen Demand (COD)	APHA 24th edition 5220B	mg/l	312

:- END OF TEST REPORT:-

Report Verified by

(Dr. R. KARIM)
Technical Manager
Authorised Signatory

TEST REPORTS		
DESCRIPTION OF SAMPLE		FREQUENCY
STP / ETP WATER RADIO ACTIVITY TEST	:	YEARLY



R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TEST REPORT

Certificate No.E(D)/24-25/1048

Issue Date: 09 September 2024

Page 2 of 2

Issued to : **M/s. APOLLO MULTISPECIALITY HOSPITALS LTD.**
58, Canal Circular Road, Saltlake, Kolkata-700054

Your Ref. No. : AMH/MAINT.AMC/HOSPITAL & MEDICAL CENTRE/TESTE &
ANALYSIS/STP WATER, BOREWELL WATER, NOISE,AIR, FLUE GAS
R.V.BRIGGS/001/2024-2025, Dtd : 01.04.2024

Description of Sample : Effluent
Collection Source : STP Outlet
Sample Carried out by : Mr. Jayanta Pramanik
Sampling Plan : RVB/FM/45
Sample Drawn by us on : 04.09.2024 at 12.40 P.M.
Analysis Started on : 04.09.2024
Analysis Completed on : 09.09.2024

Parameter Tested:
Alpha emitters & Beta emitters

Sample collection Procedure : APHA 24th Edition 1060

Mode of Sampling : Grab

Environmental condition during sampling : Temperature : 28°C, Transported in Ice box, Cold chain maintained

TEST FINDINGS:

Radioactive Parameters :

1	Alpha emitters	APHA 24th edition 7110B	micro curie/l	Not Detectable	10^{-7}
2	Beta emitters	APHA 24th edition 7110B	micro curie/l	Not Detectable	10^{-6}

:- END OF TEST REPORT:-

Report Verified by

(Dr. R. KARIM)
Technical Manager
Authorised Signatory

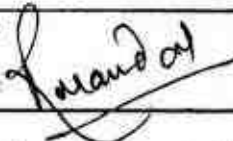


DEPARTMENT:	Technicians, operations, Housekeeping					
TOPIC:	Waste disposal					
DATE:	28-06-24					
TIME:	2pm-3pm					
HOURS:	1 hour					
VENUE:	Day care Training Room					
S NO	EMP. ID.	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	GENDER	SIGNATURE
1	APH3405	Saroma Mondal	Pharmacist	Day Care Pharmacy	F	
2	APH3342	Shampa Das	Pharmacy trainee	Day Pharmacy	F	
3	1018334	Srijana Das	P. Service	P. Service	F	
4	APH3067	Sonia Biswas	Sr. Pharmacist	Pharmacy	F	
5	APH3698	Samchatu Mondal	Pharmacist	Pharmacy	F	
6	1052182	Saundhara K. Kar	Sr. Physio	Physiotherapy	NA	
7	APH3345	Arif Sardar	Pharmacy trainee	Pharmacy	M	
8	APH40638	Juman Sarma	Pharmacy	Pharmacy	F	
9						
10	1049335	Priyanka Sela	Dietician	Dietician	F	
11	APH1838	Bitha Das	Sr. Pharmacist	Pharmacy	F	
12	APH1079	SRIMANTA SAU	Sr. PHARMACIST	/	M	
13	1048346	Anurachandhu	SR. Ex	Operation	F	
14	5500318	Rabi Das	HM	H.K.	M	
15	5500405	Babli Das	HM	H.K.	M	
16	1049160	Sangita Paul	Jr. Executive	P. Service	F	
17	5500035	Suprasad Moul	ward boy	H.K.	M	
18	5500035	Tanushree Mondal	H/M	H/K	F	
19	5500036	Diyali Das	H/M	H/K	F	
20	1240366	Umitara Adhikary	Jr. Execut	Front offi	M	
21	1050286	AVINASH RAYBARI	Executive	Front offi	M	
22	5500081	BISWAS DAS	ward boy	H/K	M	
23	APH3779	Shyamali Acharyee	pharmacist	pharmacy	F	
24	APH5680	Ananya Patra	Pharmacist	Day Pharmacy	F	
25	APH5187	Rittwija Maity	Pharmacist	Pharmacy	F	
26	1090038	Dr. Sanjha Ghosh	Executive	GP Billing	M.	
27	APH5821	JOYMAHATA	Pharmacist	C.P.D	M	
28	APH5933	DEBOPAM MAITI	Pharmacist	C.P.D	M	
29	APH4992	ANKIT DAS	Pharmacist	C.P.D	M	
30	APH5293	Nalini Kumar Sahu	pharmacist	C.P.D	M	
31	1048889	Bodhisatya	Executive	PH/Service	M.	
32	5500004	Prasanta Meitei	Housekeeping	H.K	M	
33	APH1688	Ambalika Biswas	Sr. Pharmacist	Pharmacy	F	
34	1049026	Pragati Choudhary	Executive	oper	M	
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Synopsis of the Topic

Signature of Speaker/Trainer:

Name of the Speaker/Trainer:




Signature of Department Head/HR



DEPARTMENT: Radiology, Operations, Physiotherapy, Housekeeping, Pharmacy
 TOPIC: Biomedical Waste Management
 DATE: 26/07/2024
 TIME: 2PM - 3PM
 HOURS: 1 hour
 VENUE: oncology Board Room

S.NO	EMP. ID.	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	GENDER	SIGNATURE
1	1048606	Manj Kanti Majumder	se. Technician	Radiology	M.	[Signature]
2	1272285	Sukanya Maji	Technician	Radiology	F	[Signature]
3	1049895	Avijit Sarker	DR. Executive - Operation		M	[Signature]
4	1050086	AVINASH RATCHAR	Executive	Operation	M	[Signature]
5	1048590	Dayabati Maji	Sr. Physiotherapist	Physiotherapy	F	[Signature]
6	55000656	Rijali Das	Ward Girl	Housekeeping	Female	[Signature]
7	55000554	Subhasat Moule	Ward boy	Housekeeping	male	[Signature]
8	APH3341	Shubra Das	Pharmacy clerk	DC Pharmacy	F	[Signature]
9	APH3405	Saroma Mondal	Pharmacist	DC Pharmacy	F	[Signature]
10	1179840	DR. ABHIRAM CHAKRA	Operation - Executive - Head		M	[Signature]
11	55000081	Gourab Das		H.K	M	[Signature]
12	55000554	Sankar Mondal	House Man	H.K	M	[Signature]
13	55000058	Ratendra Nath Halder	Sr. W. Boy	H.K	M	[Signature]
14	55000318	Rabi Das	H.M	H.K	M	[Signature]
15	55000761	Asit Bhattacharyya	Asst. Manager	H.K	M	[Signature]
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Synopsis of the Topic

Signature of Speaker/Trainer:

Name of the Speaker/Trainer:

[Signature]

Taulomi Roy
 Signature of Department Head/HR



DEPARTMENT: **F&B**
 TOPIC: **Biomedical Waste Management**
 DATE: **27/8/24**
 TIME: **11 AM - 12 PM**
 HOURS: **1 hour**
 VENUE: **F&B**

S.NO	EMP. ID.	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	GENDER	SIGNATURE
1	KOL-449	ANKUR DAS	Ex-Steward	F&B	M	Ankur Das
2	KOL-500	K. Mohan Das	Cook	"	M	K. Mohan Das
3	MK-826	Tanaka SDA	C.D.P	"	M	Tanaka
4	KOL-95	Kamala Kanyamalai	Cook	"	F	Kamala
5	KOL-399	Rajesh Kumar	Cook	"	M	Rajesh
6	KOL-394	Rajesh Kumar	Cook	"	M	Rajesh
7	KOL-495	Palanis Mandal	"	"	M	Palanis
8	KOL-718	ANINESH K	"	"	M	Aninesh
9	KOL-337	Goutam, Manth	"	"	M	Goutam
10	MK-159	Sunny	Chef	"	M	Sunny
11	KOL-48	Moumyoti Biswas	Manager	F&B	M	Moumyoti
12	KOL-03	Abhishek Choudhary	Jr. Manager	F&B	M	Abhishek
13	KOL-396	SAON DASGUPTA	SUPERVISOR	F&B	M	SAON
14	KOL-274	Subanta Mallick	Asst. Manager - HR	F&B	M	Subanta
15	KOL-710	Shubh	Steward	F&B	M	Shubh
16	MK-49	Ram Babu	Supervisor	F&B	M	Ram Babu
17	KOL-38	Pratik Biswas	Supervisor	F&B	M	Pratik
18	F&B-708	MD-Mukh Mondal	Steward	F&B	M	Mukh
19	455	Pradyumn Mondal	U.T	"	M	Pradyumn
20	706	Pradyumn Mondal	U.T	"	M	Pradyumn
21	379	Saurabh Kumar	Utility	F&B	M	Saurabh
22	484	Goutam Paul	U.T	F&B	M	Goutam
23	800	Dipta Das	Steward	F&B	M	Dipta
24	320	Abhishek Mondal	U.T	"	M	Abhishek
25	455	Pradyumn Mondal	U.T	"	M	Pradyumn
26	487	Surya Mondal	U.T	"	M	Surya
27	477	Saurabh Kumar	U.T	"	M	Saurabh
28	649	Pious Bose	Steward	F&B	M	Pious
29	465	Rakesh Kumar Singh	Supervisor	F&B	M	Rakesh
30	362	Amal Halder	Jr. Supervisor	F&B	M	Amal
31	32-	Rishabh	U.T	"	M	Rishabh
32	787	Sourav Kumar	U.T	"	M	Sourav
33	695	Prosenjit Halder	Steward	"	M	Prosenjit
34	KOL-712	Anindya Bhattacharya	DGM	F&B	M	Anindya
35	356	S. D. Roy	Steward	F&B	M	S. D. Roy
36	KOL-763	Suro Mondal	Steward	F&B	M	Suro
37	KOL-730	Suman Das	Steward	F&B	M	Suman
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Synopsis of the Topic

Signature of Speaker/Trainer:

Name of the Speaker/Trainer:

Ram Babu

Ranjan Roy
 Signature of Department Head/HR



DEPARTMENT: Hall - Invasive Cardiology
 TOPIC: Biomedical Waste Management
 DATE: 24/8/24
 TIME: 12 PM - 1 PM
 HOURS: 1 hour
 VENUE: Non Interventional Cardiology, Ground floor, Main building

S.NO	EMP. ID.	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	GENDER	SIGNATURE
1	1303995	Ritaja Ghosh	Junior Executive Key Care	Female		
2	1278122	Arup Maity	Junior Executive Bond Office	M		
3	1180137	Dr. Aranya	STAFF SPECIALIST NON IN CARD	M		
4	1180524	Dr. Praveen Kumar	Staff specialist Non-Inv.	M		
5	1048312	Rumaisa	superior Non Invasive	F		
6	1132495	Baby Roy Chowdhury	Technician Non invasive	F		
7	1048328	Arup Maity	Assistant technician	M		
8	1135910	TH Dutta	Technician Cardiology	F		
9	1252827	Madhumita Chakraborty	J. Technician Cardiology	F		
10	1273243	Poulami Khan	JR. Executive IPS.	F		
11	1048691	Ravindra Kr Sah	Sr. Technician Cardiology	M		
12	1049699	Lipon Paul	Technician Cardiology	F		
13	1149330	Mou Sam Siper	Technician Cardiology	F		
14	TRN-00024	Rupasree Singh	Typist Cardiology	F		
15	TRN-00024	Paribha Kumari Gupta	Typist Cardiology	F		
16	5500087	Sanyukta	HLK Cardiology	M		
17	5500024	Jessy Mary Moller	HLK Cardiology	M		
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Synopsis of the Topic

Signature of Speaker/Trainer:

Name of the Speaker/Trainer:

Arup Maity

Poulami Roy

Signature of Department Head/HR



DEPARTMENT:	Technicians, Pharmacist, Operation All					
TOPIC:	Waste disposal - Bio medical.					
DATE:	26-06-24					
TIME:	2pm - 3pm					
HOURS:	1 hour					
VENUE:	Main Building Laboratory					
S.NO.	EMP. ID.	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	GENDER	SIGNATURE
1	APH3698	Sanchari Mondal	Pharmacist	Pharmacy	F	Sm
2	APH5680	Ananya Patra	Pharmacist	Pharmacy	F	Patra
3	APH1838	Pritha Kar	Sr. Pharmacist	Pharmacy	F	Pritha
4	APH3315	Anil Sardar	Pharmacist/Trained	Pharmacy	M	A Sardar
5	1200052	Sabnam Paul	Technician	Histopathology	F	SP
6	1267313	D. Sananda Chakraborty	Executive	IP Billing	F	SP
7	106673	Ekamoy Chakraborty	Sr. Consultant	GR	M	SP
8	1158456	Pritha Sankar	Technician	Immunology	M	SP
9	1049570	P. S. D. S.	Supervisor	Hematology	M	SP
10	1048580	Pratik Kumar Das	Sr. Technician	Biochemistry	M	SP
11	1203287	Ponami Chakraborty	Jr. Technician	Biochemistry	F	SP
12	1048765	Kamaksha Ojha	Manager	Ops	F	SP
13	1260576	Aparna Bora	Technician	Histopath	F	SP
14	1200056	Sayan Panja	Technician	Immunology	M	SP
15	1049317	Rubish K. Gupta	Sr. Executive	Histopath	M	SP
16	1249831	Ananya Das	Technician	Biochemistry	M	SP
17	1276422	Annab Kumar Sata	Jr. Technician	Biochemistry	M	SP
18	124614	PRITYA MALLICK	Sr. Dietician	Dietetics	F	SP
19	1278628	Dr. Subarban Chakraborty	Asso. Consultant	Biochem	F	SP
20	1129106	Anwita Chakraborty	Sr. Dietician	Diet	F	SP
21	124285	Santipra Ray	Pathology Technician	Pathology	M	SP
22	1200058	Sayan Panja	Technician	Pathology	M	SP
23	1049419	Prinyanka Das	Dietician	Dietetics	F	SP
24	APH3523	Albina Biswas	Pharmacist	Pharmacy	M	SP
25	APH4121	ANKIT DAS	PHARMACIST	PHARMACY	M	SP
26	1156303	Abhijit Das	Histology Tech	Histopathology	M	Abhijit Das
27	APH5871	JOY MAHATA	PHARMACIST	C.P.D	M	SP
28	APH592	DEBOPAM MATHI	PHARMACIST	C.P.D	M	SP
29	1049406	Ankita Gupta Chakraborty	Dietician	Dietetics	F	SP
30	117459	Palash Kumar	Jr. Tech.	Histopath	M	SP
31	1048716	Anamika Bhattacharya	Jr. Exe.	Histopath	F	SP
32	APH3370	Dr. Joylakeshmi Shaw	Pharmacist	Pharmacy	F	SP
33	APH296	Debolina Das	Sr. Pharmacist	Pharmacy	F	SP
34	1144025	Shayak Pathak	Physiology Jr.	Physiology	M	SP
35	1048881	Debi Das	Pharmacist	Pharmacy	M	SP
36	1049462	Royel Mukherjee	Dietician	Dietetics	F	SP
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Synopsis of the Topic

Signature of Speaker/Trainer:

Name of the Speaker/Trainer:

Suparna Mondal

Paula R.
Signature of Department Head/HR