

27th APRIL 2021

To

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Maraimalai Adigalar Street,
Next to Municipal Office, Maraimalai Nagar,
Chennai- 603209.

Respected Sir/ Madam

Sub: Filling of returns for Bio Medical Waste FORM –IV dully filled for the period from (January 2020 to December 2020)

Please find the enclosed Form -4 of Bio Medical Annual Returns for the period Jan 2020 to Dec 2020.

Kindly acknowledge the receipt of the same.

Thanking You,

Yours Faithfully,

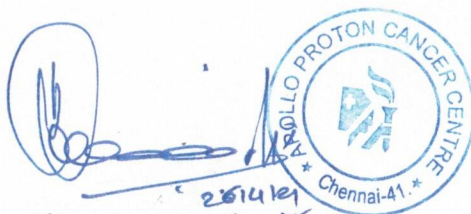
For

Apollo proton cancer centre,
Apollo Hospitals Enterprises Ltd.

HARISH TRIVEDI
CEO

Authorized signatory Apollo Proton Cancer Centre

Encl: Form -IV & Bmw MoM



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)	:	Apollo Proton Cancer centre
	(ii) Name of HCF or CBMWTF	:	Apollo Proton Cancer Centre
	(iii) Address for Correspondence	:	4/661, Dr. Vasi Estate phase II
	(iv) Address of Facility	:	Tharamani, Chennai - 96.
	(v) Tel. No, Fax. No	:	044-24548888.
	(vi) E-mail ID	:	Kannalishi_1c @ apollohospitals . com
	(vii) URL of Website	:	www . apolloproton . com
	(viii) GPS coordinates of HCF or CBMWTF	:	latitude : 12.980261 / longitude : 80.250061
	(ix) Ownership of HCF or CBMWTF	:	Corporate Hospital.
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: <u>Applied & Awarded.</u> Valid upto:.....
	(xi). Status of Consents under Water Act and Air Act	:	Valid upto: <u>Permit in process</u>
2	Type of Health Care Facility	:	<u>Quaternary healthcare</u>
	(i) Bedded Hospital	:	No. of Beds: <u>130</u>
	(ii) Non-bedded hospital	:	
	Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	<u>NA</u>
	(iii) License number and its date of expiry	:	<u>KCPMALL20190001930 / 11-09-2024</u>
3	Details of CBMWTF	:	GJ Multiclave (India) Pvt Ltd
	(i) Number of health care facilities covered by CBMWTF	:	<u>NA</u>
	(ii) No. of Beds covered by CBMWTF	:	<u>NA</u>
	(iii) Installed treatment and disposal capacity of CBMWTF;	:	<u>NA</u> Kg / day
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	:	<u>NA</u> Kg / day
4	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)	:	Yellow Category: <u>13754.7</u> Red Category: <u>11085.8</u> White: <u>184.1</u> Blue Category: <u>1548.6</u> General Solid Waste: <u>35348</u>
5	Details of the Storage, Treatment, Transportation, Processing and Disposal Facility	:	
	(i) Details of the on-site storage	:	Size: <u>N/A</u>

facility		Capacity: N/A			
		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			
		Microwave			
		Hydroclave			
		Shredder			
		Needle tip cutter or destroyer	-	-	N/A
		Sharps			
		Encapsulation or concrete pit			N/A
		Deep burial pits			
		Chemical disinfection:			N/A
		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.) N/A			
(iv)	No. of Vehicles used for collection and transportation of biomedical waste	N/A			
(v)	Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	N/A	Quantity Generated	Where disposed	
		Incineration			
		Ash			
		ETP Sludge			
(vi)	Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	G. J. Multiclave (India) Pvt. Ltd			
(vii)	List of member HCF not handed over bio-medical waste.	N/A			
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	Yes			

	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management		12
	(ii) Number of personnel trained		300
	(iii) Number of personnel trained at the time of induction		All staff
	(iv) Number of personnel not undergone any training so far		—
	(v) Whether standard manual for training is available?		Available
8	Details of the accident occurred during the year		
	(i) Number of Accidents occurred		9
	(ii) Number of persons affected		NIL
	(iii) Remedial Action taken (Please attach details if any)		Available
	(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?		NIA
	Details of Continuous online emission monitoring systems installed		NIA
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		Treated ETP plant
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you havenot met the standards in a year?		NIA
12	Any other relevant information		(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period from

..... 01/01/2020 to 31/12/2020

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Name and Signature of the Head of the Institution

K. KAMAKSHI
Senior General Manager-Operations
Apollo Proton Cancer Centre

Date: 27-04-2021

Place: Chennai

BIO MEDICAL WASTE MANAGEMENT DETAILS JANUARY 2020 - DECEMBER -2020

S.NO.	MONTH	CLINICAL WASTE	INFECTIOUS WASTE	SHARP	BOTTLES
1	JAN	714.1	784.9	14.7	138
2	FEB	738.5	866.1	22.8	88.3
3	MAR	810.9	877.8	15.4	112.9
4	APR	567.4	645.1	8.3	54.7
5	MAY	1058	1066	16	112
6	JUN	1274.3	1357.7	24.5	158.9
7	JUL	971.3	1413.4	6.8	128.1
8	AUG	1032.5	1453.2	14.6	167.8
9	SEP	1041.1	1490.3	10.7	152.4
10	OCT	976.4	1242.3	14.6	160.4
11	NOV	866.4	1301.9	21.6	124.8
12	DEC	1034.9	1256	14.1	150.3
	TOTAL	11085.8	13754.7	184.1	1548.6

BIO MEDICAL WASTE MANAGEMENT COMMITTEE

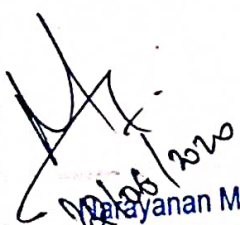
DATE: - 20th June 2020

VENUE: - Epic Center

MEMBERS PRESENT:

1. Ms. Kamashi
2. Mr. Narayanan Mohan Kumar
3. Ms. Thelma Maria Simon
4. Ms. Rajeshwari
5. Ms. Prema
6. Mr. Abeny

Sl. No.	Points Discussed	Responsibility	EDC
1	Committee with members were formed	Mr. Mohan	Done
2	The BMW segregation area was identified and needs to be modified as per JCI requirement	Mr. Abeny	30 th March
3	Proper segregation of waste needs to be in place	User ends	In process
4	Eye shower in BMW area to be fixed	Mr. Abeny	30 th March
5	Training for HK staff in removal and segregation of waste to be done regularly	Mr. Mohan	In process
6	Vaccination of all the HK staff to be done	Ms. Rajeshwari	15 th March
7	Weighing scale calibration to be done	Mr. Desigan	Immediately
8	Fire extinguisher required in the BMW segregation area	Mr. Vinod KP	Immediately
9	The HK staff should use bins to transport waste and not to carry the same in hand to avoid infection	Mr. Mohan & team	Immediately
10	Unannounced audits to be done in all areas of BMW	Ms. Thelma	On progress


Narayanan Mohan Kumar
Asst. Manager - House Keeping
Apollo Proton Cancer Centre

BIO MEDICAL WASTE MANAGEMENT COMMITTEE

DATE: - 31st Dec 2020

VENUE: - Epic Center

MEMBERS PRESENT:

1. Ms. Kamashi
2. Mr. Narayanan Mohan Kumar
3. Sister. Rajeshwari
4. Sister. Chitra
5. Mr. Prabhakaran
6. Mr. Abeny

Sl. No.	Last MOM Points Discussed	Responsibility	EDC	Status
1	The BMW segregation area was identified and needs to be modified as per JCI requirement	Mr. Abeny	30 th March	completed
3	Proper segregation of waste needs to be in place	User ends	In process	In progress
4	Eye shower in BMW area to be fixed	Mr. Abeny	30 th March	completed
5	Training for HK staff in removal and segregation of waste to be done regularly	Mr. Mohan	On process	On progress
6	Vaccination of all the HK staff to be done	Ms. Rajeshwari	15 th March	completed
7	Weighing scale calibration to be done	Mr. Desigan	Immediately	completed
8	Fire extinguisher required in the BMW segregation area	Mr. Vinod KP	Immediately	completed
9	The HK staff should use bins to transport waste and not to carry the same in hand to avoid infection	Mr. Mohan & team	Immediately	completed
10	Unannounced audits to be done in all areas of BMW	Ms. Thelma	On progress	On progress

BIO MEDICAL WASTE MANAGEMENT COMMITTEE

DATE: - 31st Dec 2020

VENUE: - Epic Center

MEMBERS PRESENT:

1. Ms. Kamashi
2. Mr. Narayanan Mohan Kumar
3. Sister. Rajeshwari
4. Sister. Chitra
5. Mr. Prabhakaran
6. Mr. Abeny

Sl. No.	Points Discussed	Responsibility	EDC
1	Powerful Exhaust fan to be fix	Mr. Abeny	10 th January
2	Proper segregation of waste needs to be in place	User ends	In process
3	Cytex clearing process to be handle by Engineering	Mr. Abeny	Immediately
4	Training for HK staff in removal and segregation of waste to be done regularly	Mr. Mohan	On process
5	Puncher proof gloves quality to be improved.	Mr. Desigan	15 th January
6	All BMW Cubicles individual lock to be fix	Mr. Abeny	10 th January
7	Health faucet to be fix in washing area.	Mr. Abeny	10 th January
8	Parking of vehicles in front of BMW to be monitor.	Mr. Vinod KP	Immediately


Narayanan Mohan Kumar
 Asst. Manager - House Keeping
 Apollo Proton Cancer Centre