



Ref. No. : MHSR/KSPCB/2021-22/31

10/01/2022

To

The Environmental officer
KSPCB, Regional Office - Bommanahalli
3rd Floor, Shivanagara, Rajajinagara,
Bengaluru-560010

Respected Sir,

Sub: Submission of Bio-Medical Waste Annual Returns in **Form-IV**

With reference to the above subject, we here with submitting the Bio-Medical Waste Annual Returns in **Form-IV** (see rule-13) as per BMW rules, towards generation and disposal of Bio-medical waste for the year **2021** for the period from 01-01-2021 to 31-12-2021 along with Non-Covid waste and Covid waste details.

Kindly acknowledge the receipt of the same,

Thanking you,

Yours faithfully

For Manipal Hospital Sarjapur Road



Cc: The Senior Environmental Officer
KSPCB, BMW Cell, 4th Floor,
Parisara Bhavana, Church Street,
Bengaluru-560001

Manipal Hospital Sarjapur Road
Survey No. 46/2, Ward No. 150, Ambalipura, Sarjapur Road, Bengaluru 560 102, Karnataka
P +91 80 6675 6565

Manipal Hospitals Private Limited
(Formerly Columbia Asia Hospitals Private Limited)
CIN: U85110KA2003PTC033055
Regd. Off. The Annexe, #98/2, Ruston Bagh, Off. HAL Airport Road, Bengaluru - 560 017
P +91 80 4936 0300 E info@manipalhospitals.com www.manipalhospitals.com

Form-IV
(See rule-13)
ANNUAL REPORT

To be submitted to the prescribe authority on or before 30th June every year for the period from January to December of the proceeding year by the occupier of health care facility (HCF) or common bio-medical waste treatment facility(CBMWTF)

Sl No.	Particulars	
1.	Particulars of the Occupier	
	i) Name of the authorized Person (Occupier of : operator of facility	Ms. Suja Vinay Hospital Director
	ii) Name of HCF or CBMWTF	M/s. Manipal Hospital-Sarjapur Road.
	iii) Address of the Correspondence	No.46/2, Ward No.150,
	iv) Address of the Facility	Ambalipura, Sarjapura Road, Bengaluru-560012
	v) Tel. No, Fax No.	080-66756565
	VI) E-Mail ID	balaji.mahadevan@manipalhospitals.com
	vii) URL of Website	www.manipalhospitals.com
	viii) GPS coordinate of HCF or CBMWTF	----
	ix) Ownership of HCF 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.	Authorization No.KSPCB/BMW/HCE/2017/ HD Reg No. H-648 Valid up to 30-06-2022
	xi) Status of the Consent under Water Act and Air Act.	Valid up to 30-06-2022
2.	Type of Health Care Facility	Multispecialty Hospital
	i) Bedded Hospital	214 Beds
	ii) Non Bedded Hospital laboratory(Clinic or Blood Bank or Clinically or Research Institute or Veterinary Hospital or any other)	NA
	lii) Licence Number & its date of expiry	NA
3	Details of CBMWTF	Anu Autoclave & Incinery Services
	i) Number of Healthcare facilities covered by CBMWTF	Handled by above mentioned vendor
	ii) Number of beds covered by CBMWTF	----- -----
	iii) installed treatment and disposal capacity of CBMWTF	----- -----
	iv) Quantity of Bio-medical waste treated or disposed by CBMWTF	----- -----

4.	Quantity of waste generated or disposed in Kgs per Annum(on monthly average basis)		Non Covid waste	Covid waste
		Yellow Category : 1333.5 Kg/M	250 kg/M	
		Red Category: 1657.5 kg/M	238 kg/M	
		White: 63 kg/M	15 kg/M	
		Blue: Category: 267 Kg/M	96.5 kg/M	
5.	Details of storage, treatment, transportation, processing and disposal facility			
	On			
	i)Details of the site storage facility		Size: 7 '*6'	
			Capacity: can store up to 111 kg/day	20 kg/day
			Provision of on-site storage: cold storage or any other provision- Cold Storage	
	Disposal facilities		Type of treatment No cap quantity Equipment of acit treaedo Unit y r S kg/ disposed Day in kg Per Annum Incinerators Plasma Pyrolysis Autoclaves Microwave Hydroclave Shredder -----NA----- 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.)	
	iv) No of vehicles used for collection : and transportation of biomedical waste		Handled by CBMWTF	
	(v) Details of incineration ash and Quantity Where ETP sludge generated and disposed generated disposed during the treatment of wastes in Kg per annum		Quantity Generated Incineration Ash ETP Sludge Handled by CBMWTF	Where disposa

	(vi) Name of the Common Bio- : Medical Waste Treatment Facility Operator through which wastes are disposed of		Anu Autoclave & Incine Services
	(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 we have infection control committee
7.	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.		Monthly 2 trainings
	(ii) number of personnel trained		for all housekeeping staff & Nursing staff (180 members)
	(iii) number of personnel trained at the time of induction		For all department and for new joinees we condu training about BMW druing induction
	(iv) number of personnel not undergone any training so far		NA
	(v) whether standard manual for training is available		Yes available
	(vi) any other information)		Nil
8	Details of the accident occurred during the yea		Nil
	(i) Number of Accidents occurred		Nil
	(ii) Number of the persons affected		Nil
	(iii) Remedial Action taken (Please attach details if any		NA
	(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		---
	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		LWTP is provided & well-functioning
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?		---
12	Any other relevant information		: (Air Pollution Control Devices attached with the incinerator NA

Certified that the above report is for the period from: **01-01-2021 to 31-12-2021**

Date: 11-01-2022

Place: Bengaluru

Name and Signature of the Head of the Institution

[Signature]



Annexure-1

M/s. Columbia Asia Hospital- Sarjapur Road

MONTH WISE GENERATION OF BIO-MEDICAL WASTE FOR THE YEAR 2021

For the period from 01-01-2021 to 31-12-2021

Month & Year	Cat.1,3,5 Yellow in Kg's	Cat.6 (Blue) in Kg's (Glass)	Ca.,7 (Red) in Kg's	Cat.4 (White-PPC) in Kgs
January 2021	482	110	592	29
February 2021	1245	148	1612	40
March 2021	1951	329	1688	66
April 2021	1415	233	19	51
May 2021	690	264	87	46
June 2021	37	347	1547	80
July 2021	1320	313	2255	61
August 2021	940	375	2530	80
September 2021	2384	375	2750	74
October 2021	1851	250	2377	73
November 2021	2173	213	2359	54
December 2021	1516	245	2074	107
TOTAL	16003 KGs	3201 KGs	19890 KGs	761 KGs



Annexure-ii

M/s. Columbia Asia Hospital- Sarjapur Road

Covid Waste

MONTH WISE GENERATION OF BIO-MEDICAL WASTE FOR THE YEAR 2021

For the period from 01-01-2021 to 31-12-2021

Month & Year	Cat.1,3,5 Yellow in Kg's	Cat.6 (Blue) in Kg's (Glass)	Ca.,7 (Red) in Kg's	Cat.4 (White-PPC) in Kgs
January-2021	58	15	35	1
February-2021	99	9	48	14
March-2021	213	67	156	20
April-2021	515	92	700	20
May-2021	603	517	728	49
June-2021	536	235	522	22
July-2021	266	108	185	30
August-2021	87	13	117	3
September-2021	112	38	101	8
October-2021	246	50	94	10
November-2021	88	15	80	0
December-2021	180	0	86	0
TOTAL	3002 KGs	1159 KGs	2853 KGs	178 KGs

