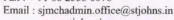


ST. JOHN'S NATIONAL ACADEMY OF HEALTH SCIENCES ST. JOHN'S MEDICAL COLLEGE HOSPITAL

Sarjapur Road, Bengaluru - 560 034. India. Tel: +91 80 2206 5000 +91 80 2553 0724

Fax: +91 80 2553 0070







SJMCH/ADM/DEFH 2640

DATE:18-06-2024

To,

Karnataka State Pollution Control Board. Regional office Bangalore City South, 1st floor, Nisarga Bhavan 7th "D" Main Road, Thimmaiah Road, Shivanagar Bangalore-560079.

Kind Attention: Environmental Officer,

SUB: SUBMISSION OF FORM IV (ANNUAL REPORT) - BMW.

Dear Sir/Madam,

Please find enclosed herewith form IV for Bio Medical Waste generated with respect to St. John's Medical College Hospital for the year 01.012023 to 31.12.2023

We request you to acknowledge receipt of the same.

Thanking you,

Yours Sincerely,

Associate Director Hospital.

St. John's Medical College Hospital

Associate Director St.John's Medical College Hospital Bangalore-560 034.

Form - IV (See rule 13) ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30^{th} 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	:	THE ASSOCIATE DIRECTOR
	(i) Name of the authorised person (occupier or operator of facility)	:	Rev. FR. JOHN VARGHESE THEKKEKARA
	(ii) Name of HCF or CBMWTF	:	ST. JOHN'S MEDICAL COLLEGE HOSPI
	(iii) Address for Correspondence	:	SARJAPURA ROAD BENGALURU
	(iv) Address of Facility		1.
	(v)Tel. No, Fax. No	:	080-22065301; 080-25530076
	(vi) E-mail ID	:	Simehadmin office St. Johns. i
	(vii) URL of Website		WWW. StJohns, 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.:
	(xi). Status of Consents under Water Act and Air	:	Valid up to:
	Act AW - 337241 PCB ID. 29085		30-06-2026
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds: 1.7.20
	(ii) Non-bedded hospital	:	
	(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)		
	(iii) License number and its date of expiry	1513	1790799361:28/2/2029
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 by CBMWTF		•	g/day		
Quantity of waste generated or disposannum (on monthly average basis) ENCLOSED MARIDI COPY- BAS	MON SIS	Red Cate White: Blue Cate General S	egory : 350 egory : Solid wa	1,78,6 31.14 15,6 aste: =	, ,
Details of the Storage, treatment, transp (i) Details of the on-site storage		on, processing and Dispos	al Facil	ity	
facility		-			
		Capacity:			
		Provision of on-site stany other provision)	torage	: (col	d storage or
(ii) Details of the treatment or disposal facilities	:	Type of treatment equipment	No of unit s	Cap acit y Kg/ day	Quantity treatedo r disposed in kg per annum
		Incinerators Plasma Pyrolysis Autoclaves 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	:	Red Category (like plast	ic, glass	s etc.)	
treatment in kg per annum.		- NA-			
(iv) No of vehicles used for collection and transportation of biomedical waste	•	- NA -			
(v) Details of incineration ash and ETP sludge generated and disposed		Quant		Wh	ere oosed

	during the treatment of wastes in Kg per annum		Incineration Ash ETP Sludge
	(vi) Name of the Common Bjo- Medical Waste Treatment Facility Operator through which wastes are disposed of	:	MARIDI BIO INDUSTRIES PUT. LTD
	(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
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.		ONCE IN 15 DAYS FOR ALL THE HEALTH CARE WORKERS
	(ii) number of personnel trained (iii) number of personnel trained at the time of induction		HCN CENTIRE A CADEMY OF ST. JOHNS
	(iv) number of personnel not undergone any training so far		FEW NEW RECRUITER OF HEALTH CARE WURKERS
	(v) whether standard manual for training is available?		YES
8	(vi) any other information) Details of the accident occurred during the year		NEEDLE STICK INJURY
	(i) Number of Accidents occurred		12 PER MONTH
	(ii) Number of the persons affected		HEALTH CARE WORKERS
	(iii) Remedial Action taken (Please attach details if any)		SCON AFTER INJURY PERSONALS TAKEN CARE
0	(iv) Any Fatality occurred, details.		
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		
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		NIL
11	Is the disinfection method or sterilization meeting the log 4		MEETING THE LOG 4 STANDARD

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

Certif	ied that the above report is for the period fro	m 2023 TO DECEMBER - 2023
		Λ -
		Alekka-
		Name and Signature of the Head of the Institution
Date: Place	18/6/24 Bangalde.	Associate Director St.John's Medical College Hospital Bangalore-560 034.



MARIDI BIO INDUSTRIES PVT LTD.

Dedicated to improve People's Life

Date: 25.04.2024

To

CERTIFICATE OF TREATMENT

M/s, ST JOHNS MEDICAL COLLEGE HOSPITAL KORAMANGALA Bangalore

Dear Sir/ Madam,

This is informing you that, we have collected following quantity of Bio-Medical Waste from your center and the same has been treated and disposed as per K.S.P.C.B. guidelines.

Average Waste collected from your center JANUARY'23 TO DECEMBER'23

Sloe.	Months	Yellow (In Kegs.)	Red (In Kgs.)	Blue (in Kgs.)	White / PPC (In Kgs	Cytotoxic (in Kg
1	JANUARY'23	12962.900	14710.020	1642.160	360.060	78.180
2	FEBRUARY'23	12206.940	13614.070	1643.930	379.780	58.170
3	MARCH'23	13360.870	15652.690	1534.890	374.300	53.400
4	APRIL'23	13575.330	14564.310	1261.440	281.100	48.700
5	MAY'23	14468.000	14687.870	1107.900	320.720	40.400
6	JUNE'23	13753.740	14316.070	1073.730	277.000	59.000
7	JULY'23	14655.350	15283.010	1208.030	267.000	51.600
8	AUGUST'23	14699.860	15331.650	1264.000	243.600	62.000
9	SEPTEMBER'23	14489.340	15095.060	1080.000	241.000	77.000
10	OCTOBER'23	14504.920	15117.420	1218.470	279.780	57.380
11	NOVEMBER'23	14361.900	14922.600	1221.950	289.250	65.600
12	DECEMBER'23	14695.700	15197.300	1177.200	277.550	55.700
Total		167734.850	178492.070	15433.700	3591.140	707.130

This is for your kind information Thanking You,

Yours truly,

For Maridi Bio Industries Pvt Ltd



Authorized Signatory,

Regional Office:

No.8, "SUGUNA ARCADE" 4th Floor, 1st Main, 8th Cross, S.R. Nagar, Bangalore - 560 027,

Ph.: +91-80-4151 2958, .080-2210 3270

Email

maridibmw@gmail.com, Website: www.maridibmw.com

Plant

Syno. 1/37 & 1/38,35th Mile Stone, Gabbadi Kaval, Kanakpura Road, Ramanagar Dist.



St. John's Medical College Hospital Sarjapur Road, Bengaluru 560034





	INDUCATION CLASS FOR STAF	F NURSE
DATE	DEPARTMENT	NO OF PARTICIPANTS
10-01-2023	Nursing service/staff nurse	32
14-02-2023	Nursing service/staff nurse	48
07-03-2023	Nursing service/staff nurse	33
18-04-2023	Nursing service/staff nurse	50
18-05-2023	Nursing service/staff nurse	30
13-06-2023	Nursing service/staff nurse	131
12-07-2023	Nursing service/staff nurse	48
23-08-2023	Nursing service/staff nurse	36
20-09-2023	Nursing service/staff nurse	37
11-10-2023	Nursing service/staff nurse	27
08-11-2023	Nursing service/staff nurse	35
11-12-2023	Nursing service/staff nurse	30
14-01-2024	Nursing service/staff nurse	70
Total		607

Dr. Savitha Nagaraj

Mrs. Benedict Megila
ICN Coordinator



St. John's Medical College Hospital Sarjapur Road, Bengaluru 560034





NURSING AIDES/NURSING HELPER TRANING - 2023

DATE	DEPARTMENT	NO OF PARTICIPANTS
27-02-2023	Nursing service	15
28-03-2023	Nursing service	35
28-03-2023	Nursing service	23
24-04-2023	Nursing service	26
26-04-2023	Nursing service	11
22-04-2023	Nursing service	20
25-07-2023	Nursing service	14
19-09-2023	Nursing service	107
23-09-2023	Nursing service	66
16-10-2023	Nursing service	82
08-11-2023	Nursing service	5
	Total	404

STUDENTS TRANING - 2023

DATE	DEPARTMENT	NO OF PARTICIPANTS
02-03-2023	1st year GNM	39
05-07-2023	1st year PG MBBS	48
07-08-2023	МНА	25
08-08-2023	МНА	26
14-09-2023	1st year PG MBBS	23
03-10-2023	MHA	42
	Total	203

And Dr. Savitha Nagaraj IPC Convener Mrs. Benedict Megila ICN Coordinator



St. John's Medical College Hospital Sarjapur Road, Bengaluru 560034





BIO MEDICAL WASTE MANAGEMENT TRANINING 2023

	DOCTORS TRA	ANNING - 2023
DATE	DEPARTMENT	NO OF PARTICIPANTS
25-03-2023	All department	59
17-03-2023	NICU	13
03-04-2023	ICU	13
20-04-2023	Link Doctors	65
24-05-2023	Neonatlogy	15
21-07-2023	Anaestesia	16
19-07-2023	General medicine	23
18-11-2023	All department	76
07-11-2023	ORTHO	38 .
25-11-2023	Link Doctors	52
	Total	370

STAFF NURSES TRANNING - 2023

DATE	DEPARTMENT	NO OF PARTICIPANTS
31-03-2023	Nursing service/staff nurse	12
10-03-2023	Nursing service/staff nurse	156
13-03-2023	Nursing service/staff nurse	20
14-03-2023	Nursing service/staff nurse	160
17-03-2023	Nursing service/staff nurse	134
16-03-2023	Nursing service/staff nurse	188
24-03-2023	Nursing service/staff nurse	56
25-04-2023	Nursing service/staff nurse	54
05-05-2023	Nursing service/staff nurse	82
27-07-2023	Nursing service/staff nurse	- 8
08-07-2023	Nursing service/staff nurse	25
07-08-2023	Nursing service/staff nurse	10
06-10-2023	Nursing service/staff nurse	9
01-11-2023	Nursing service/staff nurse	30
28-11-2023	Nursing service/staff nurse	29
	Total	973

M Dr. Savitha Nagaraj IPC Convener

Mrs. Benedict Megila **ICN** Coordinator



St. John's Medical College Hospital

NEEDLE STICK INJURY 2023



MONTH	Category	Doctors	Interns	PGS	Staff Nurse	Student(MBBS /nursing/para Technician	Technician	Nursing Aide		Housekeeping staif/Maintanc	Total no. of
					300	medical)	LECHINGI	Nursing Aide		vialysis intern stait/Maintanc e/Laundry	incidente per month
lanuary	ISN	1	0	3	3	4	0	0	0		12
February	ISN	3	0	2	-	-	4		1		14
Aarch	NICI	,	, (, ,	1 1	-	4			0	12
INIGICII	ICN	7	2	2	5	1	2	0	0	0	14
April	NSI	4	2	1	7	0	0	2	0	0	16
May	NSI	1	2	2	3	1	0	1	0	2	12
une	ISN	1	1	2	2	0	0	1	0	0	7
	5										13+1
July				0	3	4	0	0	0	0	other(attender)
rengua			U	1	8	1	1	1	1	0	21
september				0	2	1	1	0	0	0	11
October				2	4	1	1	1	0	0	10
November	ICN	u	1	1	1	2	0	1	0	2	11
December	ISN	4	0	1	2		N.	9	•		
TOTAL PER											77
VEAD	NSI	28	21	17	41	18	12	7	2		157+1 other

Dr. Savitha Nagaraj IPC Convener

Mrs. Benedict Megra



St. John's Medical College Hospital Sarjapur Road, Bengaluru 5600.

Karnataka, India





BODY FLUID EXPOSURE 2023

10	0	0	1	2	6	10	SPLASH	YEAR
0	0	0	0					DEB
0					0	0	SPLASH	December
0.101	0	0	0	0	0	0	SPLASH	November
3+1(OP)	0	0	0	0	2	1	SPLASH	October
1	0	ó	0	0	0	1	SPLASH	september
5	0	0	0	0	1	4	SPLASH	August
ω	0	0	0	0	1	2	SPLASH	July
0	0	0	0	0	0	0	SPLASH	June
w o	0	0	1	1	1	0	SPLASH	May
0	0	0	0	0	0	0	SPLASH	April
2	0	0	0	1	1	0	SPLASH	March
4	0	0	0	0	0	1	SPLASH	February
1	0	0	0	0	0	1	SPLASH	January
month	aundry							
Total no. of incidence per	Housekeeping staff/Maintance/L	Nursing Aide	Technician	Student	Doctors itaff Nurse Student	Doctors	Category	HTNOM

Dr. Savitha Nagaraj IPC Convener

Mrs. Benedict Megila **IPC Coordinator**



Form III -[Rule10]

Authorisation for Bio-Medical Waste Management Rules, 2016

Authorization type: HCF Authorization No: 338137 Valid upto: 30-06-2026 Karnataka State Pollution Control Board "Parisara Bhavana", No.49, Church Street, Bengaluru-560001 Tele: 080-25589112/3, 25581383

Fax:080-25586321 Email: ho@kspcb.gov.in

(This document contains 1 pages excluding additional conditions)

PCB ID: 29085 INW ID: 193719 Date:14/06/2023

AUTHORIZATION FOR HEALTH CARE FACILITY FOR COLLECTION, GENERATION, TRANSPORTATION, TREATMENT OR PROCESSING OR CONVERSION, DISPOSAL OR DESTRUCTION USE OFFERING FOR SALE, TRANSFER OF BIOMEDICAL WASTES

Ref:

- 1. Authorization application submitted by the HCF on 17-05-2023 at Regional Office.
- 2. Inspection of the project site/organization by Regional Officer, Bengaluru City South on 26-05-2023
- 1. Authorization number and date of issue 338137 and 14-06-2023
- 2. M/s. Rev Fr. Dr. John Varghese Thekkekara an occupier or operator of the hospital located at Sarjapura Road, Bengaluru -560034 is hereby granted an authorization for Activity: Generation, Collection, Storage
- 3. M/s. St.John's Medical College Hospital is hereby authorized for handling of biomedical waste as per the capacity given below
 - i. Number of beds of HCF: 1720

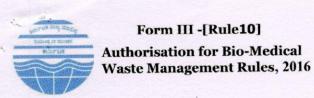
Category	Type of Waste	Quantity generated or collected, kg/day	Method of treatment & disposal
Yellow	Human Anatomical Waste	0.000	Disposed to CBMWTF
	Animal Anatomical Waste	0.000	Disposed to CBMWTF
	Soiled Waste	418.100	Disposed to CBMWTF
	Expired or Discarded Medicines	0.000	Disposed to CBMWTF
	Chemical Solid Waste	0.000	Disposed to CBMWTF
	Chemical Liquid Waste	0.000	To be Treated and Disposed as per BMW rules 2016
	Discarded linen, mattresses, beddings contaminated with blood or body fluid	0.000	To be Treated and Disposed as per BMW rules 2016
	Microbiology, Biotechnology & other clinical laboratory Waste	0.000	To be Treated and Disposed as per BMW rules 2016
Red	Contaminated Waste (Recyclable)	474.520	To be Disposed as per BMW rules 2016
White (Transluce nt)	Waste sharps including Metals	11.610	To be Disposed as per BMW rules 2016
Blue	Glassware	52.970	To be Disposed as per BMW rules 2016
	Metallic Body Implants	0.000	To be Disposed as per BMW rules 2016

4. This authorisation shall be in force for a period upto 30-06-2026 from the date of issue.

5. This authorisation is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment(Protection)Act, 1986.

Page No.: 1





Authorization type: HCF Authorization No: 338137 Valid upto: 30-06-2026

Karnataka State Pollution Control Board "Parisara Bhavana", No.49, Church Street, Bengaluru-560001

Tele: 080-25589112/3, 25581383

Fax:080-25586321 Email: ho@kspcb.gov.in

(This document contains 2 pages excluding additional conditions)

Terms and conditions of authorization *

The applicant/authorisation shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.

This authorisation or its renewal shall be produced for inspection at the request of an officer 2.

authorised by the prescribed authority.

The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical 3. wastes without obtaining prior permission of the prescribed authority.

Any unauthorised change in personnel, equipment or working conditions as mentioned in the 4. application by the person authorised shall constitute a breach of his authorisation.

It is the duty of the authorised person to take prior permission of the prescribed authority to close 5. down the facility and such other terms and conditions may be stipulated by the prescribed authority.

Applicant shall take all necessary steps to ensure that bio-medical waste is handled without any 6. adverse effect to human health and the environment and in accordance with the BMW rules.

Applicant shall make a provision within the premises for a safe, ventilated and secured location 7. for storage of segregated biomedical waste in colored bags or containers in the manner as specified

in Schedule I of the Bio-Medical Waste Management Rules, 2016.

Applicant shall ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in the BMW rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I of the Bio-Medical Waste Management Rules, 2016.

Applicant shall Pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) or National AIDs Control Organization (NACO) guidelines and then sent to

the common bio-medical waste treatment facility for final disposal;

Applicant shall phase out use of chlorinated plastic bags, gloves and blood bags within two years

from the date of notification of the B MW rules;

Applicant shall dispose of solid waste other than bio-medical waste in accordance with the 11. provisions of respective waste management rules made under the relevant laws and amended from time to time;

Applicant shall not to mix treated/untreated bio-medical waste with municipal solid waste; 12.

Applicant shall provide training to all its health care workers and others, involved in handling of bio 13. medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report;

Applicant shall immunise all its health care workers and others, involved in handling of bio-14. medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunisation Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time;

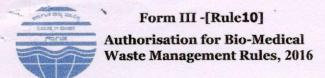
Applicant shall establish Bar- Code System for bags or containers containing bio-medical waste 15. to be sent out of the premises or place for any purpose;

Applicant shall ensure segregation of liquid chemical waste at source and ensure pre-treatment or 16. neutralisation prior to mixing with other effluent generated from health care facilities;

Applicant shall ensure treatment and disposal of liquid waste in accordance with the Water 17. (Prevention and Control of Pollution) Act, 1974 (6 of 1974);

Applicant shall ensure occupational safety of all its health care workers and others involved in 18. handling of biomedical waste by providing appropriate and adequate personal protective equipments:

Applicant shall conduct health check up at the time of induction and at least once in a year for all its 19.



Authorization type: HCF **Authorization No: 338137** Valid upto: 30-06-2026

Karnataka State Pollution Control Board "Parisara Bhavana", No.49, Church Street, Bengaluru-560001 Tele: 080-25589112/3, 25581383

Fax:080-25586321

Email: ho@kspcb.gov.in

(This document contains 3 pages excluding additional conditions)

health care workers and others involved in handling of bio- medical waste and maintain the records for the same;

Applicant shall maintain and update on day to day basis the bio-medical waste management 20. register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I the Bio-Medical Waste Management Rules, 2016;

Applicant shall report major accidents including accidents caused by fire hazards, blasts during 21. handling of biomedical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority and also along with the annual report;

Applicant shall make available the annual report on their web-site and all the health care facilities 22

Applicant shall inform the prescribed authority immediately in case the operator of a facility does not collect the bio-medical waste within the intended time or as per the agreed time;

Applicant shall establish a system to review and monitor the activities related to bio-medical waste management, either through an existing committee or by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority and the healthcare establishments having less than thirty beds shall designate a qualified person to review and monitor the activities relating to bio-medical waste management within that establishment and submit the annual report;

Applicant shall maintain all record for disposal of biomedical waste for a period of five years; 25.

The applicant shall immediately adopt bar coding system for Bio medical waste 26.

The applicant shall update COVID Bio Medical Waste data in CPCB tracking software at bmw.cpcbccr.com/#/p/login.

B. Specific instruction:

Additional Conditions:

FOR AND ON BEHALF OF KARNATAKA POLLUTION CONTROL BOARD

CHIEF/ SENIOR ENVIRONMENTAL OFFI Verified

Digitally signed by Date: 2023.06_14 12:06:16

The Environmental Officer, KSPCB, Regional Office, Bengaluru City South for information and to inspect the HCF during your next visit to the area.

Master copy (Dispatch). 2

Office copy.

COPY TO: