



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

Sarjapur Road,
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SJMCH/ADM/ 1989

11.02.2021

To,

Karnataka State Pollution Control Board.
Regional office Bangalore City,
Nisarga Bhavan, 1st floor,
7th "D" Main Road,
Bangalore-560010.

Kind Attention: Environment Officer.

Dear Sir,

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

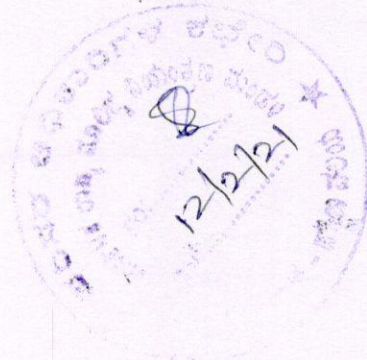
Enclosed please find form IV for Bio-Medical Waste generated with respect to St. Johns Medical College & Hospital for the Year **01.01.2020** to **31.12.2020** (for Bio-Medical Waste)

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 rule13)
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	:	THE ASSOCIATE DIRECTOR
	(i) Name of the authorised person (occupier or : operator of facility)	:	REV. FR. PRADEEP KUMARI SAMOD.
	(ii) Name of HCF or CBMWTF	:	ST. JOHN'S MEDICAL COLLEGE HOSPITAL.
	(iii) Address for Correspondence	:	SARJAPUR ROAD, BENGALURU - 560034
	(iv) Address of Facility	:	
	(v) Tel. No, Fax. No	:	080-22065301 ; 080-25530070
	(vi) E-mail ID	:	Sjmchadmin-office@stjohns.in
	(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) <input checked="" type="checkbox"/>
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: KSPCB/1115/Bmw/2018/Bgm No: 150616 05.09.2018 valid up to 30.06.2021
	(xi). Status of Consents under Water Act and Air Act AW-305801, PCB ID: 29085	:	Valid up to: 30.06.2021
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds: 1720 [1020+700]
	(ii) Non-bedded hospital	:	—

	Laborator (Clinic or Blood Bank or Clinical y or Research Institute or Veterinary Hospital or any other)		-
	(iii) License number and its date of expiry		SO23151317190799361 ; 31/03/20.
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 or disposed by CBMWTF	:	- Kg/day
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow Category : 1,05,86,440 kg/year Red Category : 1,38,676.140 kg/year White: 4144.440 kg/year Blue Category : 18144.870 kg/year General Solid waste: 1753.140 kg/year
	ENCLOSED MARIDI COPY - MONTHLY BASIS		
5	Details of the Storage, treatment, transportation, processing and Disposal Facility		
	(i) Details of the on-site storage facility	:	Size : - Capacity : - Provision of on-site storage : (cold storage or any other provision)

Signature

disposal facilities		<table border="1"> <thead> <tr> <th>Type of treatment equipment</th> <th>No of units</th> <th>Capacity Kg/day</th> <th>Quantity treated or disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td></td> <td>-</td> <td></td> </tr> <tr> <td>Autoclaves</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Microwave</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hydroclave</td> <td></td> <td>-</td> <td></td> </tr> <tr> <td>Shredder</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td></td> <td></td> <td>-</td> </tr> <tr> <td>Sharps encapsulation or concrete pit</td> <td></td> <td></td> <td>-</td> </tr> <tr> <td>Deep burial pits:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemical disinfection:</td> <td></td> <td></td> <td>-</td> </tr> <tr> <td>Any other treatment equipment:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	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			-	Sharps encapsulation or concrete pit			-	Deep burial pits:				Chemical disinfection:			-	Any other treatment equipment:			
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(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	:	- NA -																																																
(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		<table border="1"> <thead> <tr> <th></th> <th>Quantity generated</th> <th>Where disposed</th> </tr> </thead> <tbody> <tr> <td>- NA -</td> <td></td> <td></td> </tr> <tr> <td>Incineration Ash</td> <td></td> <td></td> </tr> <tr> <td>ETP Sludge</td> <td>- NA -</td> <td></td> </tr> </tbody> </table>		Quantity generated	Where disposed	- NA -			Incineration Ash			ETP Sludge	- NA -																																					
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(vi) Name of the Common Bio- : Medical Waste Treatment Facility Operator through which wastes are disposed of		MARIDI ECO INDUSTRIES PVT. 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																																																

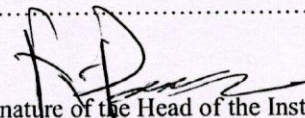
	(ii) number of personnel trained		HCW [ENTIRE ACADEMY OF ST. JOHNS]
	(iii) number of personnel trained at the time of induction		
	(iv) number of personnel not undergone any training so far		FEW NEW RECRUITER OF HEALTH CARE WORKERS
	(v) whether standard manual for training is available?		YES
	(vi) any other information)		—
8	Details of the accident occurred during the year		NEEDLES STICK INJURY / SHARP-SPLASH INJURY
	(i) Number of Accidents occurred		8 PER MONTH
	(ii) Number of the persons affected		HEALTH CARE WORKERS
	(iii) Remedial Action taken (Please attach details if any)		SOON AFTER INJURY PERSONALS TAKEN CARE
	(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 standards? How many times you have not met the standards in a year?		MEETING THE LOG 4 STANDARDS NIL
12	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period from

..... JANUARY - 2020 To DECEMBER 2020

.....
.....
.....

Name and Signature of the Head of the Institution



Date: 11.02.2021

Place BANGALORE.

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



MARIDI
BIO INDUSTRIES PVT. LTD
(Bio Medical Waste Management & Handling Services)
CIN : U90001TG2011PTC072453

CERTIFICATE OF TREATMENT

Date:07.02.2021

To
ST JOHNS MEDICAL COLLEGE HOSPITAL
Bangalore

Dear Sir/ madam,

This is to inform 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-2020 to December-2020

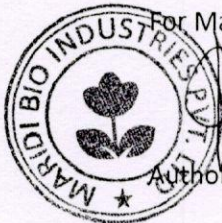
SL. No	Months	Yellow (in kgs)	Red (in Kgs)	Cytotoxic (in kgs)	Blue (in Kgs)	Sharp CANTAINER
1.	January	12,599.750kg	14,545.400kg	219.400kg	2612.900kg	511.150kg
2.	February	12,134.270kg	13,881.260kg	188.890kg	2227.910kg	507.080kg
3.	March	13,083.170kg	14,245.940kg	125.510kg	1828.030kg	359.570kg
4.	April	7504.140kg	9795.430kg	104.820kg	806.950kg	171.400kg
5.	May	8921.590kg	11,088.200kg	134.830kg	1135.410kg	295.000kg
6.	June	9739.020kg	11,200.340kg	148.100kg	1717.100kg	375.530kg
7.	July	7921.740kg	9171.770kg	121.540kg	1318.490kg	317.150kg
8.	August	7741.060kg	10,116.780kg	99.870kg	810.600kg	174.220kg
9.	September	8083.170kg	9624.560kg	117.330kg	1476.470kg	184.440kg
10.	October	9186.050kg	10253.980kg	96.910kg	1370.220kg	173.650kg
11.	November	9410.310kg	10,403.310kg	171.790kg	744.240kg	284.500kg
12.	December	12,136.650	14,349.170kg	224.150kg	2096.550kg	790.750kg
	Ground Total	1,05,861.440kg	1,38,676.140kg	1753.140kg	18144.870kg	4144.440kg

This is for your kind information.

Thanking you,

Yours truly,

For Maridi Bio Industries Pvt Ltd



Authorized Signatory

ST. JOHN'S MEDICAL COLLEGE HOSPITAL

NEEDLE STICK INJURY 2020

MONTH	Category	Doctors	Staff Nurse	Student	Technician	Nursing Aide	Housekeeping staff/Maintenance/L aundry	Total no. of incidence per month
JANUARY	NSI	4	4	1	1	1	1	12
FEBRUARY	NSI	0	2	0	1	2	0	5
MARCH	NSI	5	0	0	0	0	1	6
APRIL	NSI	1	4	0	0	0	1	6
MAY	NSI	3	5	0	0	0	1	9
JUNE	NSI	3	3	0	0	0	0	6
JULY	NSI	2	3	0	0	0	1	6
AUGUST	NSI	3	5	0	0	0	0	8
SEPTEMBER	NSI	0	1	1	1	1	1	5
OCTOBER	NSI	1	5	1	0	1	1	9
NOVEMBER	NSI	2	2	0	0	0	0	4
DECEMBER	NSI	3	3	0	0	1	0	7
TOTAL PER YEAR	NSI	27	37	3	3	6	7	83

BODY FLUID EXPOSURE 2020

MONTH	Category	Doctors	Staff Nurse	Student	Technician	Nursing Aide	Housekeeping staff/Maintenance/L aundry	Total no. of incidence per month
JANUARY	SPLASH	1	1	0	0	0	0	2
FEBRUARY	SPLASH	1	1	0	0	0	0	2
MARCH	SPLASH	1	0	0	0	0	0	1
APRIL	SPLASH	1	1	0	0	0	0	2
MAY	SPLASH	2	0	0	0	0	0	2
JUNE	SPLASH	0	1	0	0	0	0	1
JULY	SPLASH	1	0	0	0	0	0	1
AUGUST	SPLASH	0	0	0	0	0	0	0
SEPTEMBER	SPLASH	0	0	0	0	0	0	0
OCTOBER	SPLASH	0	0	0	0	0	0	0
NOVEMBER	SPLASH	0	0	0	0	0	0	0
DECEMBER	SPLASH	0	1	0	0	0	0	1
TOTAL PER YEAR	SPLASH	7	5	0	0	0	0	12

[Handwritten signature]

St.Johns Medical College Hospital
Bio Medical Waste (waste Management)Training

DOCTORS TRAINING-2020		
DATE	DEPARTMENT	NO OF PARTICIPANTS
18/12/2020	Doctor (out side Intern)	16
12/09/2020	Doctor (PG)	51
22/12/2020	Doctor (PG)	54
12/11/2020	Doctor (Intern)	53
22/6/2020	Doctor	3
TOTAL		177
STUDENTS		
DATE	DEPARTMENT	NO OF PARTICIPANTS
14/8/2020	MHA student	14
TOTAL		14

SUPPORTING DEPARTMENT

DATE	DEPARTMENT	NO OF PARTICIPANTS
04/08/2020	House Keeping	13
26/11/2020	House keeping/Attender College	27
TOTAL		40

NURSING AIDES

DATE	DEPARTMENT	NO OF PARTICIPANTS
29/02/2020	NURSING AIDES	70
03/02/2020	NURSING AIDES	62
03/04/2020	NURSING AIDES	80
TOTAL		212

INDUCATION CLASS For STAFF NURSE

DATE	DEPARTMENT	NO OF PARTICIPANTS
27/2/2020	Nursing service/staff nurse	71
28/2/2020	Nursing service/staff nurse	71
29/1/2020	Nursing service/staff nurse	55
30/1/2020	Nursing service/staff nurse	55

23/11/2020	Nursing service/staff nurse	32
25/11/2020	Nursing service/staff nurse	37
26/11/2020	Nursing service/staff nurse	34
TOTAL		355

St. John's Medical College Hospital
LIST OF COVID 19 TRAINING CLASSES CONDUCTED

S.NO	DATE	TOPIC	PARTICIPANTS	TRAINER	NO OF PARTICIPATION
1	5.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION COVID 19 Screening, sampling, surface cleaning & BMWV management	Nursing students & staff nurses	Dr. Sanjeev, GMS DR. Ranjani & HICC	63
2	13.3.2020	COVID-19 awareness session & cleaning method demo with demo	Doctors and staff nurses	HICC Team	56
3	17.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	House keeping staffs	DR. Archana & ICNS	72
4	17.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Nursing Aide & Ward clerk	DR. Archana & ICNS	70
5	17.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Nursing Aide & Ward clerk	DR. Archana & ICNS	63
6	18.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Nursing Aide & Ward clerk	DR. Archana & ICNS	41
7	19.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Security staff	DR. Naveen & ICNS	56
8	19.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Security staff	DR. Archana & ICNS	13
9	20.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Security staff & ambulance driver	DR. Archana & ICNS	15
10	26.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Microbiology lab staffs	ICNS	28
11	26.3.2020	Donning & Doffing Demo	OBG doctors, Gyne nurses, NICU Doctor	ICNS	13
12	27.3.2020	Donning & Doffing Demo	PICU, NICU 2ND REAR, ISOLATION & OT NURSES	ICNS	32
13	27.3.2020	Donning & Doffing Demo	OT Nurses & technicians	ICN	32
14	27.3.2020	Donning & Doffing Demo	OT Nurses & technicians	ICN	33
15	27.3.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Security staff, House keeping & Waste handler	DR. Archana & ICNS	106
16	8.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Non-Teaching staffs medical college & ambulance drivers	DR. Archana & ICNS	23
17	8.4.2020	COVID -19 area cleaning, PPE, BMWV & hand hygiene	House keeping staffs	DR. Archana & ICNS	51
18	8.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	36
19	9.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	62
20	9.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	47
21	13.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	44
22	15.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	60
23	16.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	37
24	17.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Dr. Naveen, Dr. Archana & team	24
25	20.4.2020	COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION	Ancillary Health Department	Mrs. Agnes & Ms. Suresh, ICN	3
26	22.6.2020	PPE Donning, doffing, H.H, BMWV, Cleaning & disinfection COVID 19 TRAINING (H.H, PPE donning & doffing, Cleaning & dilution of solutions, BMWV, cough Etiquette, preventive measures)	Clinical pathology department	Mrs. Chandrika	14
27	30.6.2020	PPE Donning, doffing, H.H, BMWV & Standard precautions (Online Training)	Nursing Aide	Dr. Savitha & ICNS	22
28	3.9.2020	PPE Donning, doffing, H.H, BMWV & Standard precautions (Online Training)	Pediatric department doctors	Dr. Savitha & ICNS	22

Dr. Naveen

29/23/9/2020	H.H.Cleaning practices,Standard precautions,BMW	Ground Floor House keeping staffs	Mrs. Ishia & Mrs. Benedict, ICN and Mr. Chethan H.I	20
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TOTAL NUMBERS TRAINED	1176
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