



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

Sarjapur Road,
Bangalore-560 034, India.
Tel : +91 80 2206 5000
+91 80 2553 0724
Fax : +91 80 2553 0070
Email: sjmchadmin.office@stjohns.in
www.stjohns.in

SJMCH/ADM/KSPCB/01

09.03.2022

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.

Please find enclosed herewith form IV for Bio-Medical Waste generated with respect to **St. John's Medical College Hospital** for the Year **01.01.2021** to **31.12.2021**.

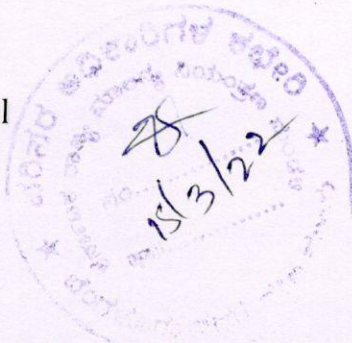
We request you to kindly acknowledge receipt of the same.

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. JOHN VARGHESE THEKKERARA. |
| | (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 | : | 080-22065302; 080-25530070. |
| | (vi) E-mail ID | : | Sjmxhadmin.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/Reg.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 | | 5023151317190799361; 31/03/2021 |
| 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) | : | <p>Yellow Category : 4,42,779.7 Kg/yea</p> <p>Red Category : 4,63,723.3 Kg/year .</p> <p>White: 8,432.8 Kg/year .</p> <p>Blue Category : 21,504.2 Kg/year .</p> <p>General Solid waste: 1,795.5 Kg/year .</p> |
| | ENCLOSED MARIDI COPY - MONTHLY BASIS . | | |
| 5 | Details of the Storage, treatment, transportation, processing and Disposal Facility | | |
| | (i) Details of the on-site storage facility | : | <p>Size : —</p> <p>Capacity : —</p> <p>Provision of on-site storage : (cold storage or any other provision)</p> |

| disposal facilities | | Type of treatment equipment | No of units | Capacity Kg/day | Quantity treated or disposed in kg per annum |
|---|---|--|-------------|------------------------------|--|
| (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 | | Incineration Ash ETP Sludge | - | Quantity generated - NA - | Where disposed |
| (vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of | | MARIDI BIO 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 | | ONCE IN 15 DAYS FOR ALL THE HEALTH CARE WORKERS. | | | |
| (i) Number of trainings conducted on BMW Management. | | | | | |

| | | |
|----|---|---|
| | (ii) number of personnel trained | HCN [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 RECRUITERS 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 | NEEDLE STICK INJURY. |
| | (i) Number of Accidents occurred | 10 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 - 2021 To DECEMBER - 2021

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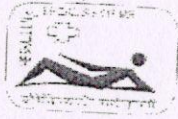


Name and Signature of the Head of the Institution

Date: 08-03-2022

Place BANGALORE

X



St. John's Medical College Hospital

Sarjapur Road, Bangalore 560034
Karnataka, India



H-2020-0888

BODY FLUID EXPOSURE 2021

| MONTH | Category | Doctors | Staff Nurse | Student | Technician | Nursing Aide | Housekeeping staff/Maintenance/Laundry | Total no. of incidence per month |
|-----------------------|---------------|----------|-------------|----------|------------|--------------|--|----------------------------------|
| January | SPLASH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | SPLASH | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| March | SPLASH | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| April | SPLASH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | SPLASH | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | SPLASH | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| July | SPLASH | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| August | SPLASH | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| September | SPLASH | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| October | SPLASH | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | SPLASH | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| December | SPLASH | 1 | 3 | 0 | 0 | 0 | 0 | 1 |
| TOTAL PER YEAR | SPLASH | 5 | 5 | 0 | 0 | 0 | 0 | 10 |

Dr. Savitha Nagaraj
5/13/2022

Dr. Savitha Nagaraj
HICC Convener

Mrs. Benedict Megila
Mrs. Benedict Megila
HICC Coordinator



St. John's Medical College Hospital

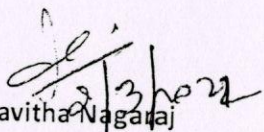
Sarjapur Road, Bangalore 560034
Karnataka, India

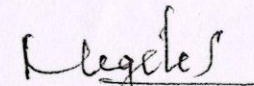


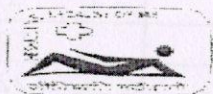
H-2020-0690

NEEDLE STICK INJURY 2021

| MONTH | Category | Doctors | Staff Nurse | Student | Technician | Nursing Aide | Housekeeping staff/Maintenance/Laundry | Total no. of incidence per month |
|-----------------------|----------|---------|-------------|---------|------------|--------------|--|----------------------------------|
| January | NSI | 4 | 1 | 0 | 0 | 0 | 0 | 5 |
| February | NSI | 4 | 2 | 0 | 0 | 1 | 0 | 7 |
| March | NSI | 4 | 7 | 1 | 0 | 1 | 1 | 14 |
| April | NSI | 1 | 9 | 0 | 1 | 1 | 1 | 13 |
| May | NSI | 4 | 4 | 0 | 1 | 1 | 0 | 10 |
| June | NSI | 5 | 5 | 0 | 1 | 0 | 0 | 11 |
| July | NSI | 3 | 4 | 1 | 0 | 3 | 0 | 11 |
| August | NSI | 8 | 1 | 2 | 0 | 0 | 0 | 11 |
| September | NSI | 1 | 4 | 0 | 0 | 3 | 0 | 8 |
| October | NSI | 7 | 0 | 1 | 2 | 0 | 0 | 10 |
| November | NSI | 6 | 5 | 2 | 1 | 1 | 0 | 15 |
| December | NSI | 3 | 7 | 1 | 2 | 1 | 0 | 14 |
| TOTAL PER YEAR | NSI | 50 | 49 | 8 | 8 | 12 | 2 | 129 |


Dr. Savitha Nagaraj
HICC Convener


Mrs. Benedict Megila
HICC Coordinator



St. John's Medical College Hospital

Sarjapur Road, Bangalore 560034
Karnataka, India



M-2020-0820

LIST OF COVID 19 TRAINING CLASSES CONDUCTED 2021

| DATE | TOPIC | PARTICIPANTS | TRAINER | NO OF PARTICIPATION |
|-----------|--|---------------------------|----------------------------|---------------------|
| 8.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES | House keeping staffs | Dr.Savitha & Team | 20 |
| 8.1.2021 | NSI management ,H.H,Spill management,COVID-19 precautions | Waste Handlers | Mr.Chethan | 6 |
| 19.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Staff nurses | ICNS | 20 |
| 19.1.2021 | Infection prevention practices &COVID-19 precautions | Nursing Aide & Ward clerk | ICNS | 53 |
| 21.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES AWARENESS SESSION | Nursing Aide & Ward clerk | ICNS | 68 |
| 22.1.2021 | Infection prevention practices &COVID-19 precautions | Nursing Aide & Ward clerk | ICNS | 53 |
| 25.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Nursing Aide & Ward clerk | HIC Team | 43 |
| 27.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Nursing Aide & Ward clerk | HIC Team | 42 |
| 28.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Nursing Aide & Ward clerk | HIC Team | 28 |
| 29.1.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Nursing Aide & Ward clerk | HIC Team | 35 |
| 15.2.2021 | BMW ,COVID 19 precautions & H.H | TB Center | Mr.Chethan & Mrs.Chandrika | 18 |
| 16.2.2021 | Infection prevention practices &COVID-19 precautions | Staff nurses | HICC team | 20 |
| 18.2.2021 | NSI management ,H.H,Spill management,COVID-19 precautions &COVID vaccination | Waste Handlers | Mr.Chethan | 6 |
| 16.3.2021 | Covid-19 awareness session & cleaning method demo | Staff nurses | HICC Team | 20 |
| 15.3.2021 | COVID-19 PREVENTION & CONTROL MEASURES | CSSD Technician | HICC Team | 59 |
| 5.4.2021 | BMW & H.H | MHA Students | Mr.Chethan | 27 |
| 12.4.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Staff nurses | ICNS | 14 |
| 19.4.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Staff nurses | ICNS | 25 |

| | | | | |
|------------|---|-------------------------------|-----------------------|----|
| 7.9.2021 | Infection prevention practices & COVID-19 precautions, Donning & Doffing Demo | Staff nurses | HIC Team | 57 |
| 8.9.2021 | NSI management ,H.H, Spill management, COVID-19 precautions & COVID vaccination | Waste Handlers | Mr.Chethan | 8 |
| 11.9.2021 | COVID-19 PREVENTION & CONTROL MEASURES | House keeping staffs | ICNS | 64 |
| 14.9.2021 | Infection prevention practices & COVID-19 precautions | House keeping staffs | ICNS | 13 |
| 15.9.2021 | Infection prevention practices & COVID-19 precautions | Nursing aide & ward clerk | ICNS | 55 |
| 22.9.2021 | BMW ,COVID 19 precautions & H.H | MHA Students | HIC Team | 21 |
| 13.10.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Laundry | Dr.Merlyn | 37 |
| 5.10.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Radiology | Dr.Archana | 27 |
| 19.10.2021 | COVID-19 PREVENTION & CONTROL MEASURES | Staff nurses | ICNS | 21 |
| 26.10.2021 | Infection prevention practices | Interns Orientation class | Dr.Savitha & HIC Team | |
| 4.11.2021 | Infection prevention practices & COVID-19 precautions, Donning & Doffing Demo | Staff nurses | HIC Team | 41 |
| 5.11.2021 | Infection prevention practices & COVID-19 precautions, Donning & Doffing Demo | Staff nurses | HIC Team | 27 |
| 16.11.2021 | Covid-19 awareness session ,PPE & cleaning method demo | Nursing Aide Contract workers | ICNS | 18 |
| 16.11.2021 | Infection prevention practices & demo | PG students | HIC Team | 9 |
| 17.11.2021 | Covid-19 awareness session ,PPE & cleaning method demo | Nursing Aide Contract workers | ICNS | 19 |
| 24.11.2021 | Infection prevention practices & COVID-19 precautions, Donning & Doffing Demo | Staff nurses | HIC Team | 31 |
| 24.11.2021 | NSI management ,H.H, COVID-19 precautions & COVID vaccination | Waste Handlers | Dr.Goud & HIC team | 19 |
| 30.11.2021 | Infection prevention practices & COVID-19 precautions, Donning & Doffing Demo | Staff nurses | HIC Team | 63 |
| 1.12.2021 | BMW ,COVID 19 precautions & H.H | MHA & DHA Students | Dr.Savitha & Team | 37 |
| 3.12.2021 | COVID Precautions, Donning & doffing demo | Staff nurses | HIC Team | 28 |
| 7.12.2021 | COVID Precautions, Donning & doffing demo | Staff nurses | HIC Team | 34 |
| 9.12.2021 | BMW ,COVID 19 precautions & H.H | Nursing students B.Sc | ICNS | 56 |
| 10.12.2021 | BMW ,COVID 19 precautions & H.H | Nursing students B.Sc | ICNS | 46 |



MARIDI

BIO INDUSTRIES PVT. LTD

(Bio Medical Waste Management & Handling Services)

CIN : U90001TG2011PTC072453

CERTIFICATE OF TREATMENT

Ref No: MRD/CCRT/21-22/002

Date: 25.02.2022

To,
REG NO: 341
ST JOHNS MEDICAL COLLEGE HOSPITAL
Sarjapura Road, Kormanagala, Bangalore – 560034.

Dear Sir/Madam,

This is to inform you that 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.

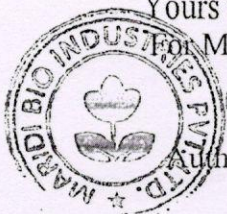
Average waste collected from your center during January-2021 to December-2021

| S.N | Months | Yellow [in kgs] | Red [in kgs] | Cardboard with blue mark [in kgs] | PPC/Box [in kgs] | Cytotoxic |
|-----|-----------|--------------------|-----------------|---|---------------------|-----------|
| 1 | January | 11,287.420 | 13146.910 | 1913.690 | 614.270 | 163.580 |
| 2 | February | 10974.930 | 12,729.150 | 2334.470 | 555.630 | 166.650 |
| 3 | March | 12,211.400 | 14,242.000 | 2243.800 | 1108.850 | 175.600 |
| 4 | April | 9,183.020 | 10,931.490 | 1292.630 | 256.580 | 88.550 |
| 5 | May | 9,705.560 | 10,847.290 | 1431.080 | 333.760 | 115.950 |
| 6 | June | 11,845.820 | 13,095.940 | 1163.830 | 464.260 | 85.280 |
| 7 | July | 12,706.950 | 14,272.850 | 2206.300 | 1023.500 | 258.100 |
| 8 | August | 12,665.700 | 15,020.110 | 1942.300 | 376.400 | 131.850 |
| 9 | September | 13,273.080 | 14,381.320 | 1131.900 | 514.070 | 113.350 |
| 10 | October | 13,410.090 | 15,246.390 | 808.590 | 255.930 | 153.310 |
| 11 | November | 11,644.800 | 14,186.150 | 2480.050 | 1323.250 | 164.100 |
| 12 | December | 13,871.000 | 15,623.700 | 2555.600 | 1606.300 | 179.250 |
| | Total | 1,42,779.770 | 1,63,723.300 | 21,504.240 | 8,432.800 | 1,795.570 |

Thanking you

Yours truly,

For Maridi Bio Industries Pvt Ltd



Authorised Signatory



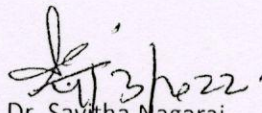
St. John's Medical College Hospital

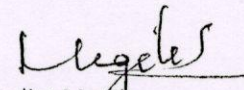
Sarjapur Road, Bangalore 560034
Karnataka, India



1-2010-0670

| INDUCATION CLASS FOR STAFF NURSE | | |
|----------------------------------|-----------------------------|--------------------|
| DATE | DEPARTMENT | NO OF PARTICIPANTS |
| 18/06/2021 | Nursing service/staff nurse | 25 |
| 23/07/2021 | Nursing service/staff nurse | 40 |
| 16/08/2021 | Nursing service/staff nurse | 29 |
| 31/08/2021 | Nursing service/staff nurse | 48 |
| 07/09/2021 | Nursing service/staff nurse | 57 |
| 19/10/2021 | Nursing service/staff nurse | 21 |
| 24/11/2021 | Nursing service/staff nurse | 31 |
| 29/11/2021 | Nursing service/staff nurse | 30 |
| 05/11/2021 | Nursing service/staff nurse | 27 |
| 07/12/2021 | Nursing service/staff nurse | 34 |
| TOTAL | | 342 |


Dr. Savitha Nagaraj
HICC Convener


Mrs. Benedict Megila
HICC - Coordinator



St. John's Medical College Hospital

Sarjapur Road, Bangalore 560034
Karnataka, India



0-2370-0590

BIO MEDICAL WASTE MANAGEMENT TRAINING 2021

| DOCTORS TRAINING-2021 | | |
|-----------------------|--------------------|--------------------|
| DATE | DEPARTMENT | NO OF PARTICIPANTS |
| 21/12/2021 | Pediatric medicine | 11 |

| STAFF NURSES TRAINING-2021 | | |
|----------------------------|-----------------------------|--------------------|
| DATE | DEPARTMENT | NO OF PARTICIPANTS |
| 19/01/2021 | Nursing service/staff nurse | 16 |
| 16/02/2021 | Nursing service/staff nurse | 12 |
| 16/03/2021 | Nursing service/staff nurse | 16 |
| 01/06/2021 | Nursing service/staff nurse | 26 |
| 05/06/2021 | Nursing service/staff nurse | 23 |
| 23/06/2021 | Nursing service/staff nurse | 26 |
| 24/06/2021 | Nursing service/staff nurse | 30 |
| 14/07/2021 | Nursing service/staff nurse | 36 |
| 16/07/2021 | Nursing service/staff nurse | 23 |
| 30/07/2021 | Nursing service/staff nurse | 33 |
| 30/07/2021 | Nursing service/staff nurse | 46 |
| 14/08/2021 | Nursing service/staff nurse | 18 |
| 03/08/2021 | Nursing service/staff nurse | 53 |
| 04/08/2021 | Nursing service/staff nurse | 79 |
| 05/08/2021 | Nursing service/staff nurse | 18 |
| 29/11/2021 | Nursing service/staff nurse | 25 |
| 30/11/2021 | Nursing service/staff nurse | 63 |
| 08/12/2021 | Nursing service/staff nurse | 14 |
| TOTAL | | 557 |

| STUDENTS | | |
|------------|----------------------|--------------------|
| DATE | DEPARTMENT | NO OF PARTICIPANTS |
| 10/12/2021 | 1ST Year BSC Nursing | 46 |
| 11/12/2021 | 1ST Year BSC Nursing | 53 |
| 09/12/2021 | GNM nursing | 56 |
| 01/12/2021 | MHA | 28 |
| 01/12/2021 | DHA | 9 |
| 22/09/2021 | MHA | 24 |
| 05/04/2021 | MHA | 27 |
| 23/11/2021 | 3rd Year MBBS | 113 |
| TOTAL | | 356 |

| SUPPORTING SERVICES | | |
|---------------------|------------|--------------------|
| DATE | DEPARTMENT | NO OF PARTICIPANTS |