



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

Sa 05.07.2018
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To,

Karnataka state Pollution Control Board.

SJMCH/ADM/1056 Date: 05.07.2018

Regional office Bangalore City,

Nisagra Bhavan, 1st floor,

7th "D" Main Road,

Bangalore - 560010.

Kind Attention: Environment Officer.

Dear Sir,

SUB: SUBMISSION OF FORM IV (ANNUAL REPORT)

Enclosed please find form IV for Bio-Medical Waste generated with respect to St. Johns Medical College & Hospital for the Year 01.01.2017 to 31.12.2017 (for Bio-Medical waste).

Yours Sincerely

Associate Director 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 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 KUMAR 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) |
| | (x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules | : | Authorisation No.: KSPCB/BMW/HCE/2015-16/Reg.No. 91726/H711 9.Sep.2015...valid up to 30/06/18 |
| | (xi). Status of Consents under Water Act and Air Act AW - 305801, PCB TD: 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 | : | |
| | (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other) | : | - |
| | (iii) License number and its date of expiry | : | 5023151317190594874; 31/03/2019 |
| 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 : | NHL Kg/day | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|--|----------------|-----------------------------|-------------|-----------------|--|--------------|--|--|---|------------------|--|--|---|------------|--|--|---|-----------|--|--|---|------------|--|--|---|----------|--|--|---|--------------------------------|--|--|---|--------------------------------------|--|--|---|-------------------|--|--|---|------------------------|--|--|---|--------------------------------|--|--|---|
| 4. | Quantity of waste generated or disposed in Kg per annum (on monthly average basis) | Yellow Category : 1,45,561 Red Category : 1,56,334 White: 4,153 Blue Category : 38,033 General Solid waste: 2413 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (ii) Details of the treatment or 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: | | | - |
| 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: | | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (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 | - NA - | Quantity generated | Where disposed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|----|---|---|
| | during the treatment of wastes in Kg per annum | Incineration Ash ETP Sludge NA |
| | (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. JOHN'S] |
| | (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 STILT INJURY / SPLASH INJURY |
| | (i) Number of Accidents occurred | 4-6 PER MONTH |
| | (ii) Number of the persons affected | HEALTH CARE WORKERS |
| | (iii) Remedial Action taken (Please attach details if any) | SOON AFTER INJURY PERSONEL 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? | STP 1 - FROM KSPCB Nov-2017 |
| 11 | Is the disinfection method or sterilization meeting the log 4 | MEETING THE LOG 4 STANDARDS |

| | | | |
|----|---|---|---|
| | 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) |

Certified that the above report is for the period from

.....Jan. 2017..... toDec. 2017.....

D. P. S. 5.7.18

Name and Signature of the Head of the Institution

Date: 05/07/18
 Place BENGALURU .

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



MARIDI

ECO INDUSTRIES PVT. LTD

Dedicated to improve people's life

CERTIFICATE OF TREATMENT

Date: 07.02.2018

To.
The Medical Officer,
St.Johns Medical College Hospital
Koramangala
Bangalore – 560034.

Dear Sir/Madam,

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

Average Waste collected from your Hospital January-2017 to December-2017

| SL.NO | MONTHS | Yellow {In Kgs} | RED {In Kgs} | Cytotoxic {In Kgs } | Blue {In kgs} | PPC {In Cans} | Over All Total |
|-------|-----------|--------------------|--------------------|------------------------|---------------------|---------------------|-------------------|
| 1 | January | 10,708kg | 11,889kg | 253kg | 3344kg | 385 | 26,579kg |
| 2 | February | 12,322kg | 12,743kg | 242 kg | 3122kg | 332 | 28,761kg |
| 3 | March | 13,898kg | 14,243kg | 185 kg | 2625 kg | 324 | 31,302 kg |
| 4 | April | 13,068kg | 14,088kg | 278 kg | 3105 kg | 433 | 30,996 kg |
| 5 | May | 13,535kg | 14,640kg | 304 kg | 3435 kg | 348 | 32,265 kg |
| 6 | June | 12,823kg | 13,608kg | 177 kg | 2932 kg | 284 | 29,824 kg |
| 7 | July | 11,720kg | 13,172kg | 157 kg | 3173 kg | 348 | 28,570 kg |
| 8 | August | 11,620kg | 12,723kg | 182 kg | 3926 kg | 371 | 28,804 kg |
| 9 | September | 11,601kg | 12,214kg | 172 kg | 3515 kg | 319 | 27,821 kg |
| 10 | October | 10,327kg | 11,439kg | 181 kg | 2897 kg | 357 | 25,201 kg |
| 11 | November | 11,003kg | 11,936kg | 150 kg | 2891 kg | 329 | 26,309 kg |
| 12 | December | 12,941kg | 13,639kg | 132 kg | 3068kg | 323 | 30,103 kg |

This is for your kind information.

Thanking you,

Yours truly,
For Maridi Eco Industries Pvt Ltd

