

# medicare

Managing Bio-Medical Wastes

o/c  
**Medicare Environmental Management Pvt. Ltd.**

(Formerly SembRamky Environmental Management Pvt. Ltd.)

"Ramky House", Site No 25-30, 2nd Cross, Raghavendranagar,

Hennur Ring Road, Kalyan Nagar, Bengaluru - 560 043

Phone No.: + 91 080 42126364 Fax No.: + 91 080 42126364

MEMPL/BLR-2-02K18/080/KSPCB/SEO-BMW/KA/2017-2018

DATED : 26.02.2018

To,  
The Senior Environmental Officer,  
(Bio-Medical Cell)  
Karnataka State Pollution Control Board,  
No:49, Parisara Bhavan,  
Church Street, Bangalore.

Dear sir,

Sub: Submitting Of Annual Report (CBWTF)

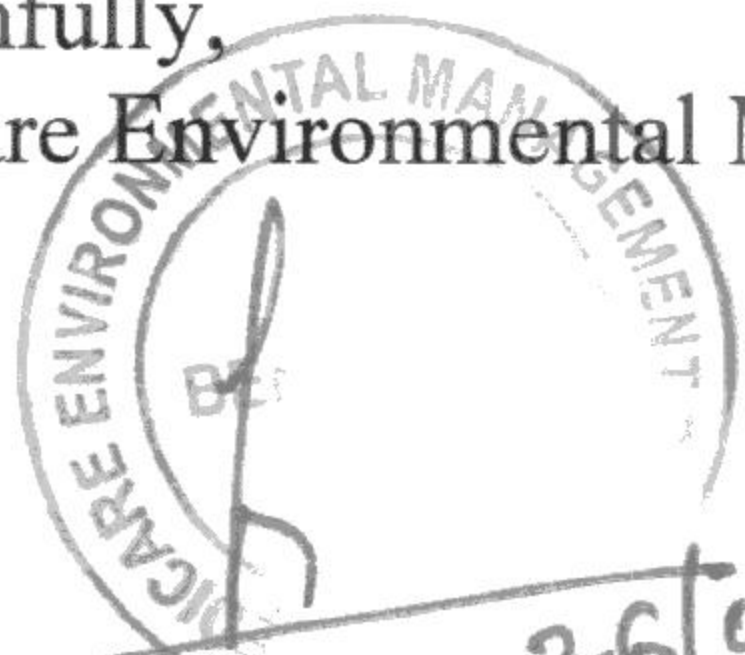
With reference to the above subject, we are hereby submitting the annual report by Form-4 as per Bio Medical Waste Handling Rules-2016 from 01-01-2017 to 31-12-2017 for your kind reference.

This is for your kind information.

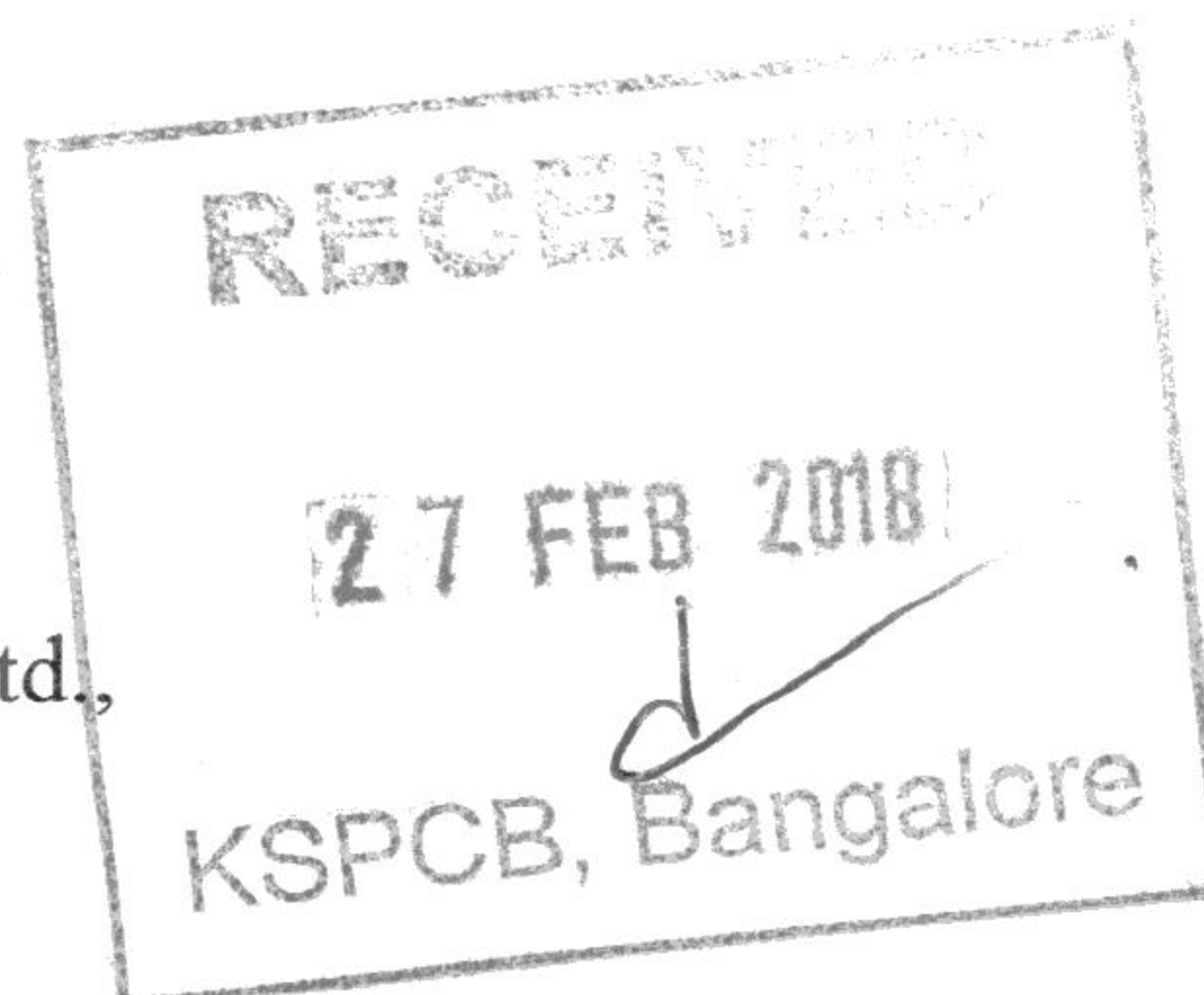
Thanking You,

Yours Faithfully,  
For Medicare Environmental Management Pvt. Ltd.,

Authorized Signatory,



26/02/2018



**Enclosed:1) Form 1 (Nil Accident Report) as per rule 5(O.)**

**2)List of HCEs for not taking services within Medicare Jurisdiction.**

Copy to: 1).Regional Environmental Officer, (Nelamangala), K.S.P.C.B , Bangalore.

2).Member Secretary, K.S.P.C.B, Bangalore.

3). Regional Environmental Officer, C.P.C.B, Bangalore.

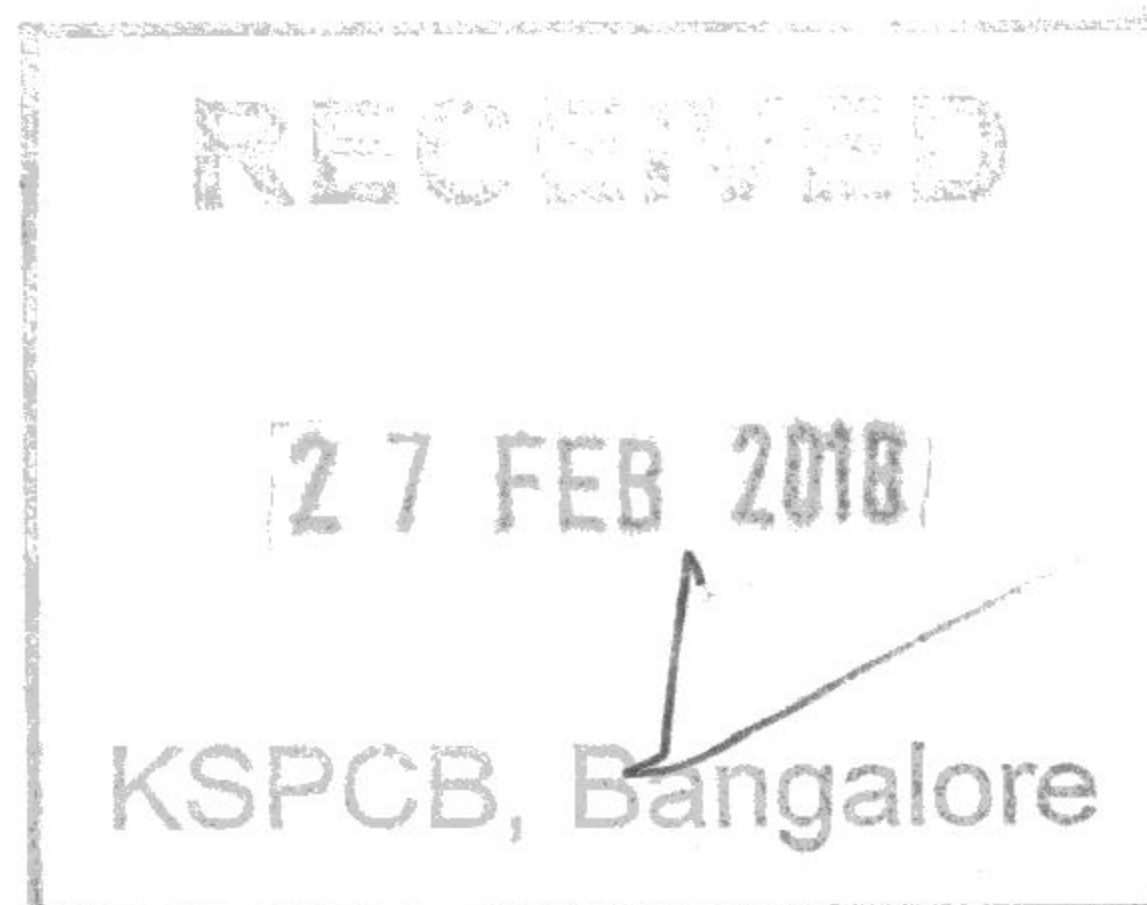
**Registered Office : 6-3-1089/G/10&11, 1<sup>st</sup> Floor, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad (Telangana)- 500082**

**Corporate Office : 403, 4th Floor, BPTP Park Centra, Sector-30, NH-8, Gurgaon, Haryana 122001**

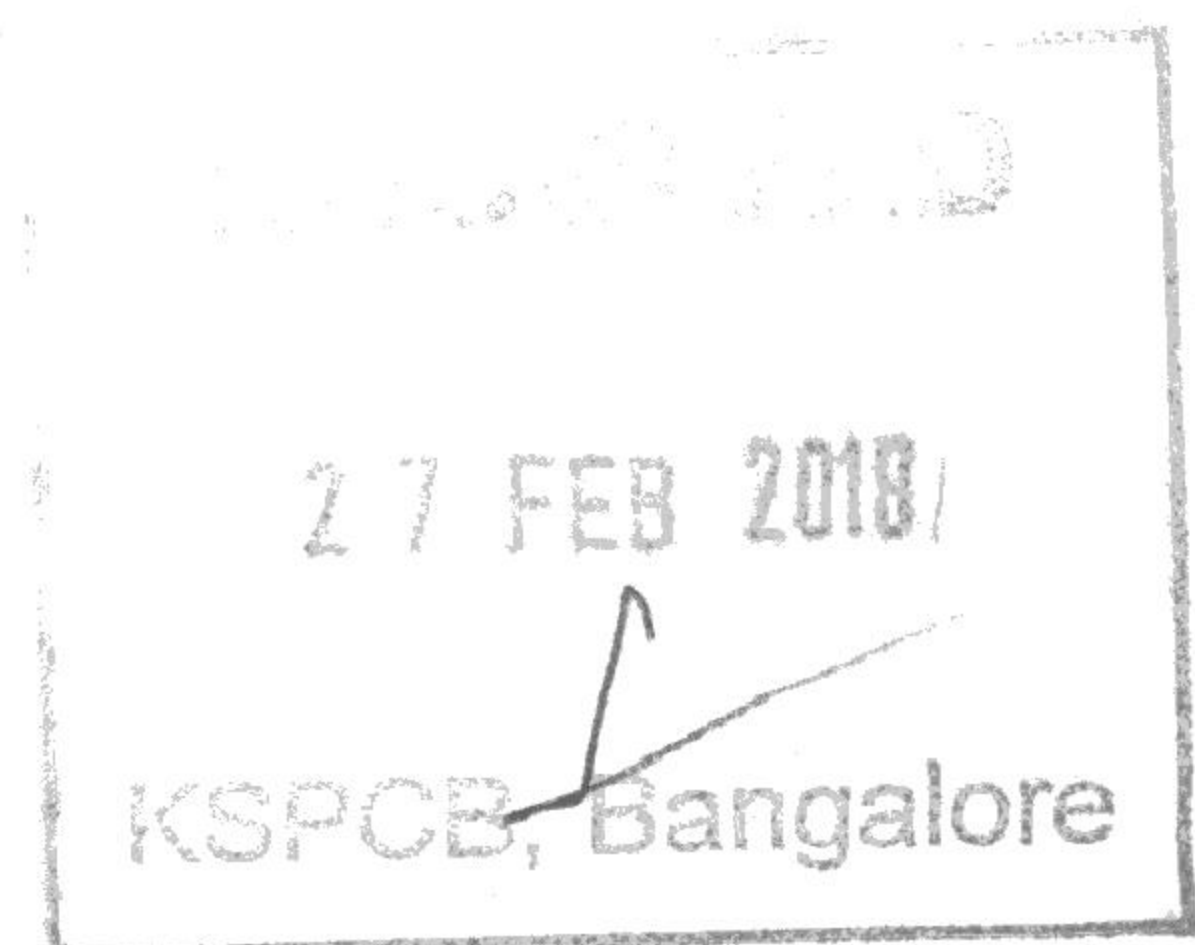
**Form – IV  
(See rule13)  
ANNUAL REPORT**

[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  | <b>Particulars of the Occupier</b>   |   |
|  | (i) Name of the authorized person (occupier of facility)   | Mr.Amith Chowdhary(Project Head)  |
|  | (ii) Name of HCF or CBMWTF :   | Medicare Environmental Management Pvt Ltd.  |
|  | (iii)Address for Correspondence :  | Plot No:39, KIADB Industrial Area, Dabaspet, Nelamangala Taluk, Bangalore Rural District. |
|  | (iv) Address of Facility   | Plot No:39, KIADB Industrial Area, Dabaspet, Nelamangala Taluk, Bangalore Rural District. |
|  | (v)Tel. No, Fax. No :  | 080-25444666/999  |
|  | (vi) E-mail ID :   | seshireddy.k@ramky.com  |
|  | (vii) (vii) URL of Website   | www.ramky.com   |
|  | (viii) GPS coordinates of CBMWTF   | Yes, All vehicles are equiped GPS system.   |
|  | (ix) Ownership of CBMWTF :   | Private Limited Company.  |
|  | (x). Status of Authorization under the Bio-Medical Waste ( Management and Handling) Rules  | Authorization Valid up to: 30/06/2018   |
| (xi). Status of Consents under Water Act and Air Act : | Valid up to: 30/06/.2016(Applied For Renewal)  |   |
| 2  | Type of Health Care Facility :   | Not Applicable.   |
|  | (i) Bedded Hospital :  | No. of Beds:Not Applicable.   |
|  | (ii) Non-bedded hospital : (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other) | Not Applicable.   |
|  | (iii) License number and its date of expiry  | Not Applicable.   |
| 3  | Details of CBMWTF :  |   |
|  | (i) Number healthcare facilities covered by CBMWT:   | 4047 Members.   |
|  | (ii) No of beds covered by CBMWTF :  | 14035 Beds.   |
|  | (iii) Installed treatment and disposal capacity of CBMWTF  | 10,000 Kgs per Day .  |
|  | (iv) Quantity of biomedical waste treated or disposed by CBMWTF  | 8000 Kg per Day.  |



| Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)                                | A) Yellow Category : 1813412 Kgs.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
|---|---|--|---|-------------------------|---|------------------|-------|--------------------|--|----------------------|-----|--|--|----------------|------|----------------------------------|--|----------------|-----|--|--|----------------|-----|--|--|--------------|-------|--|--|-----------------------|-----|--|--|---------------|-----|--|--|-----------------------------------|----|--|--|------------------|-----|--|--|---------------------|-----|--|--|----------------------------|----------------|--|--|---|--|--|--|
|   | B) Yellow Category : 551810 Kgs. (Household Bio medical Waste).   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
|   | Red Category : 406170 Kgs.  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
|   | White : 20169 Kgs.  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
|   | Blue Category : 262202 Kgs.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| General Solid Waste : 13500 Kgs.  |   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| 5   | Details of The Storage, treatment, transportation, processing and Disposal Facility   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (i) Details Of on-site Storage Facility   | Size : 5.7 x 6 Squire Mts.<br>Capacity : 25 Tones.<br>Provision On-sit Storage : No cold stroge and not storing any infected waste .  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (ii) Disposal Facilities  | <table border="1"> <thead> <tr> <th>Type of Treatment Equipment</th> <th>No of Units</th> <th>Capacity In kgs Pre Day</th> <th>Quantity Treated or Disposed in kgs per day</th> </tr> </thead> <tbody> <tr> <td>a) Incinerators:</td> <td>2 Nos</td> <td>(150 + 250 Kgs/hr)</td> <td></td> </tr> <tr> <td>b) Plasma Pyrolysis:</td> <td>No.</td> <td></td> <td></td> </tr> <tr> <td>c) Autoclaves:</td> <td>1 No</td> <td>(450 Lts Vacume Type Autoclave).</td> <td></td> </tr> <tr> <td>d) Microwaves:</td> <td>No.</td> <td></td> <td></td> </tr> <tr> <td>e) Hydroclave:</td> <td>No.</td> <td></td> <td></td> </tr> <tr> <td>f) Shredder:</td> <td>3 Nos</td> <td>(500 Kgs/Hr Glass breaker, 100Kgs/Hr Plastic Shredder, 50Kgs/Hr Strip cutter).</td> <td></td> </tr> <tr> <td>g) Needle tip Cutter:</td> <td>NA.</td> <td></td> <td></td> </tr> <tr> <td>or Destroyer:</td> <td>NA.</td> <td></td> <td></td> </tr> <tr> <td>i) encapsulation or Concrete Pit:</td> <td>No</td> <td></td> <td></td> </tr> <tr> <td>j) Concrete Pit:</td> <td>No.</td> <td></td> <td></td> </tr> <tr> <td>i) Deep Burial Pit:</td> <td>No.</td> <td></td> <td></td> </tr> <tr> <td>j) Chemical Disinfection :</td> <td>500Kgs/ Batch.</td> <td></td> <td></td> </tr> <tr> <td colspan="4">or any other treatment Equipment: After Autoclave Sharps are making concreat blocks and disposing with TSDF Site.</td> </tr> </tbody> </table> | Type of Treatment Equipment  | No of Units                                 | Capacity In kgs Pre Day | Quantity Treated or Disposed in kgs per day | a) Incinerators: | 2 Nos | (150 + 250 Kgs/hr) |  | b) Plasma Pyrolysis: | No. |  |  | c) Autoclaves: | 1 No | (450 Lts Vacume Type Autoclave). |  | d) Microwaves: | No. |  |  | e) Hydroclave: | No. |  |  | f) Shredder: | 3 Nos | (500 Kgs/Hr Glass breaker, 100Kgs/Hr Plastic Shredder, 50Kgs/Hr Strip cutter). |  | g) Needle tip Cutter: | NA. |  |  | or Destroyer: | NA. |  |  | i) encapsulation or Concrete Pit: | No |  |  | j) Concrete Pit: | No. |  |  | i) Deep Burial Pit: | No. |  |  | j) Chemical Disinfection : | 500Kgs/ Batch. |  |  | or any other treatment Equipment: After Autoclave Sharps are making concreat blocks and disposing with TSDF Site. |  |  |  |
| Type of Treatment Equipment   | No of Units   | Capacity In kgs Pre Day  | Quantity Treated or Disposed in kgs per day |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| a) Incinerators:  | 2 Nos   | (150 + 250 Kgs/hr)   |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| b) Plasma Pyrolysis:  | No.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| c) Autoclaves:  | 1 No  | (450 Lts Vacume Type Autoclave).   |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| d) Microwaves:  | No.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| e) Hydroclave:  | No.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| f) Shredder:  | 3 Nos   | (500 Kgs/Hr Glass breaker, 100Kgs/Hr Plastic Shredder, 50Kgs/Hr Strip cutter). |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| g) Needle tip Cutter:   | NA.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| or Destroyer:   | NA.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| i) encapsulation or Concrete Pit:   | No  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| j) Concrete Pit:  | No.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| i) Deep Burial Pit:   | No.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| j) Chemical Disinfection :  | 500Kgs/ Batch.  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| or any other treatment Equipment: After Autoclave Sharps are making concreat blocks and disposing with TSDF Site. |   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum                  | (i) Red Category (like plastic, glass etc.): 3,83,218 Kgs.  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (iv) No of vehicles used for collection and transportation of biomedical waste                                    | 13+1 Vehicles.  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (v) Details of incineration ash and ETP sludge  | 1) Incineration Ash : 49275 Kgs<br>ETP Sludge : 34675 Kgs<br>Ash & ETP Sludge are disposing with TSDF site.   |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of       | Medicare Environmental Management Pvt. Ltd.,  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |
| (vii) List of member HCF not handed over bio-medical waste.   | 717 members are not taking service and list is enclosed.  |  |   |                         |   |                  |       |                    |  |                      |     |  |  |                |      |                                  |  |                |     |  |  |                |     |  |  |              |       |  |  |                       |     |  |  |               |     |  |  |                                   |    |  |  |                  |     |  |  |                     |     |  |  |                            |                |  |  |   |  |  |  |



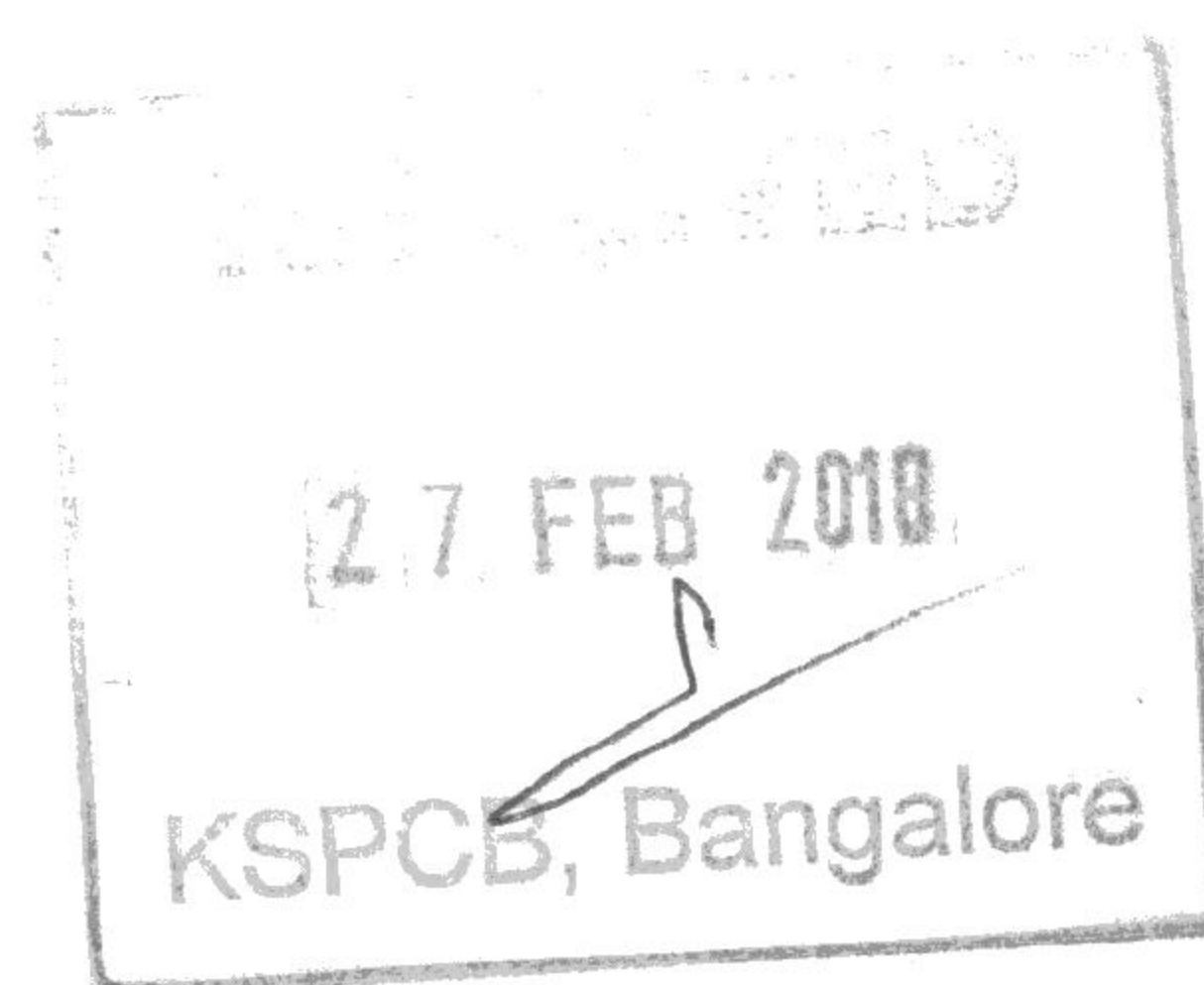
|    |   |   |  |
|----|---|---|--|
|    | Do you have bio-medical waste management committee? if yes, attach minutes of the meeting held during the reporting period.       | : | Not Applicable.  |
| 7  | Details trainings conducted on BMW  | : |  |
|    | (i) Number of trainings conducted on BMW Management.  | : | 1)256 Trainings Conducted to Customer. 2)  |
|    | (ii) number of personnel trained  | : | 85 Members Medicare employees(As per 2016 Rules).  |
|    | (iii) number of personnel trained at the time of induction  | : |  |
|    | (iv) number of personnel not undergone any training so far  | : | Nil.   |
|    | (v) whether standard manual for training is available?  | : | Standard Manual is Available as per 2016 Rules.  |
|    | (vi) any other information)   | : |  |
| 8  | Details of the accident occurred during the year  | : |  |
|    | (i) Number of Accidents occurred (ii) Number of the persons affected  | : | Nil.   |
|    | (iii) Remedial Action taken (Please attach details if any)  | : | Not Applicable.  |
|    | (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?     | : | Yes Meeting Standards.   |
|    | Details of Continuous online emission monitoring systems installed  | : | Installed CEMS System.   |
| 10 | Liquid waste generated and treatment methods in place. how many times you have not met the standards in a year?                   | : | All liquid Waste is treating with ETP and recycling the same. This is Zero Discharge Facility and not discharging any liquid.  |
|    | Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year? | : | Meeting All the time and there is dedicated operationa; SOP to check with Bio Indicator for Every Batch.                       |
| 12 | Any other relevant information  | : | (Air Pollution Control Devices Attached With The Incinerator) Attached (APCD) ventury and Wet Scrubber with droplet separator. |

Certified that the above report is for the period from 01.01.2017 to 31.12.2017

Name and Signature of the Head of the Institution

Date: 26/02/2018

Place: BANGALORE.



FORM - I

[ (See rule 4(o), 5(i) and 15 (2)) ]

ACCIDENT REPORTING

1. Date and time of accident : Nil
2. Type of Accident : Nil
3. Sequence of events leading to accident : Nil
4. Has the Authority been informed immediately : Nil
5. The type of waste involved in accident :
6. Assessment of the effects of the accidents on human health and the environment: Nil
7. Emergency measures taken : Nil
8. Steps taken to alleviate the effects of accidents : Nil
9. Steps taken to prevent the recurrence of such an accident : Nil
10. Does your facility has an Emergency Control policy? If yes give details: Yes , Enclosed site emergency plan.

This report is for the period of 01.01.2017 to 31.12.2017

Date : ..... 26/02/2018

Place: ..... BANGALORE

Signature .....  26/02/18



Designation ..... A.C.M. operations

