

Date: 02.07.2019



**RAMKY ENERGY AND ENVIRONMENT LTD.**

No.7D, Venkateswara 1st Street,  
Velmurugan Nagar, Near Srinivasa Apartments,  
By-Pass Road, Madurai - 625 010.  
Tamil Nadu. Tel : 0452 - 4217325  
E-mail : reaelmdu@ramky.com

To

The Member Secretary,

Tamilnadu Pollution Control Board,

No:76, Mount Salai,

Guindy, Chennai - 600032

Respected Sir,

Sub: Submission of Annual Report for January 2018 to December 2018 – Reg

With the above subject, here with we submit the Annual Report for the year of 2018(from January 2018 to December 2018). This is for your Kind Information.

Thanking You,

Your's faithfully,

For Ramky Energy & Environment Ltd,

Authorised Signatory



**Enclosure: Form IV – Annual Report**

CC TO: The District Environment Engineer,

Tamilnadu Pollution Control Board,

No:23, Masterplan Complex, Sattur Road,

Near District Collectorate, Virudhunagar - 626002

**Managing Bio-Medical Waste**

Regional Office : Level - 4, Diamond Dune, 323, Poonamallee High Road, Chennai - 600 029.  
Tel : 2668 1233, 2668 Fax : 2668 1180 E-mail : reaelbmw@ramky.com

Corporate Office : 13<sup>th</sup> Floor, Ramky Grandiose, Ramky Towers, Gachibowli, Hyderabad - 500 321.  
Tel : 040 - 23015300 E-mail : hyd2\_ramky@sancharnet.com

**Ramky Energy & Environment Ltd. – BMW – Facility**  
**Servey No 136,137, Undurumikida kulam Village,A.Mukkulam, Thiruchuli**  
**Taluk, Virudhunagar - Dist.**

**Form - IV**  
**(See rule 13)**

**ANNUAL REPORT**  
**(For the Period from January 2018 to December 2018)**

| Sl. No. | Particulars   |   |  |
|---------|---|---|--|
| 1.      | Particulars of the Occupier   | : |  |
|         | (i) Name of the authorized person (occupier or operator of facility)                                    | : | M.Udaya Kumari<br>Director.  |
|         | (ii) Name of HCF or CBMWTF  | : | Ramky Energy and Environment Ltd.,   |
|         | (iii) Address for Correspondence  | : | 2B/1 VaigaiSt,Velmurugannagar,Bye<br>pass,Madurai-625016   |
|         | (iv) Address of Facility  | : | Servey no:136,137,Undurumikida<br>kulam,A.Mukkulam-<br>(panchayat),Thiruchuli(TK),Virudhunag<br>ar(DT).TN. |
|         | (v) Tel. No, Fax. No  | : | 044- 26681180  |
|         | (vi) E-mail ID  | : | sridharmeka@ramky.com  |
|         | (vii) URL of Website  | : | www.ramkyenviroengineers.com   |
|         | (viii) GPS coordinates of HCF or CBMWTF   | : | 9.681626-N<br>78.211652-E  |
|         | (ix) Ownership of HCF or CBMWTF   | : | Private sector   |
|         | (x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules                | : | Applied for renewal on 15/05/19.   |
|         | (xi). Status of Consents under Water Act and Air Act  | : | Valid up to:31/03/2023   |
| 2.      | Type of Health Care Facility  | : |  |
|         | (i) Bedded Hospital   | : | Nil  |
|         | (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   | : |  |
| 3.      | Details of CBMWTF   | : |  |
|         | (i) Number healthcare facilities covered by CBMWTF  | : | 734  |
|         | (ii) No of beds covered by CBMWTF   | : | 8633 Pvt Hospitals   |
|         | (iii) Installed treatment and disposal capacity of CBMWTF:  | : | 4000 Kg per day  |

|   |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|---|---|---|--|-----------------|--|--------------------|-----------------------------|-------------|-----------------|--|--------------|---|------|--------|------------------|--|--|--|------------|---|------|-------|-----------|--|--|--|------------|--|--|--|----------|---|-------|--------|--------------------------------|--|------|--|--------------------------------------|---|--|-------|-------------------|--|--|---|------------------------|--|--|--|--------------------------------|--|--|
|   | (iv) Quantity of biomedical waste treated or disposed by CBMWTF                     | :   | 2730 Kg/day  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| 4.  | Quantity of waste generated or disposed in Kg per annum (on monthly average basis)  | :   | Yellow Category : 61682  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|   |   |   | Red Category : 7686  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|   |   |   | White: 890   |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|   |   |   | Blue Category : 11642  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|   |   |   | General Solid waste:   |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| 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 : Onsite storage facility not available at in site  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|   | (ii) Details of the treatment or disposal facilities                                | :   | <table><tr><td>Type of treatment equipment</td><td>No of units</td><td>Capacity Kg/day</td><td>Quantity treated or disposed in kg per annum</td></tr><tr><td>Incinerators</td><td>1</td><td>4000</td><td>740184</td></tr><tr><td>Plasma Pyrolysis</td><td></td><td></td><td></td></tr><tr><td>Autoclaves</td><td>1</td><td>450L</td><td>92232</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>2</td><td>100kg</td><td>139704</td></tr><tr><td>Needle tip cutter or destroyer</td><td></td><td>75kg</td><td></td></tr><tr><td>Sharps encapsulation or concrete pit</td><td>2</td><td></td><td>10680</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></table> |                 |  |                    | Type of treatment equipment | No of units | Capacity Kg/day | Quantity treated or disposed in kg per annum | Incinerators | 1 | 4000 | 740184 | Plasma Pyrolysis |  |  |  | Autoclaves | 1 | 450L | 92232 | Microwave |  |  |  | Hydroclave |  |  |  | Shredder | 2 | 100kg | 139704 | Needle tip cutter or destroyer |  | 75kg |  | Sharps encapsulation or concrete pit | 2 |  | 10680 | 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  | 1   | 4000  | 740184   |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Plasma Pyrolysis  |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Autoclaves  | 1   | 450L  | 92232  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Microwave   |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Hydroclave  |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Shredder  | 2   | 100kg   | 139704   |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Needle tip cutter or destroyer  |   | 75kg  |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Sharps encapsulation or concrete pit  | 2   |   | 10680  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Deep burial pits:   |   |   | -  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Chemical disinfection:  |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Any other treatment equipment:  |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| (iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum. | :   | 92232 Kgs   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| (iv) No of vehicles used for collection and transportation of biomedical waste                    | :   | 10 Nos  |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| (v) Details of incineration ash and ETP sludge generated and disposed                             |   | <table><tr><td>Quantity generated</td><td>Where disposed</td></tr><tr><td></td><td></td></tr></table> |  |                 |  | Quantity generated | Where disposed              |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
| Quantity generated  | Where disposed  |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |
|   |   |   |  |                 |  |                    |                             |             |                 |  |              |   |      |        |                  |  |  |  |            |   |      |       |           |  |  |  |            |  |  |  |          |   |       |        |                                |  |      |  |                                      |   |  |       |                   |  |  |   |                        |  |  |  |                                |  |  |

|    |   |   |   |
|----|---|---|---|
|    | during the treatment of wastes in Kg per annum  |   | Incineration<br>Ash 22250<br>ETP Sludge : 4250 - Common TSDF Virudhunagar.  |
|    | (vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of                    | : | Ramky Energy and Environment Ltd.,<br>Human Anatomical waste, Animal Anatomical waste, Solid waste, Expired or discarded Medicines etc. |
|    | (vii) List of member HCF not handed over bio-medical waste.   |   | Nil   |
| 6  | Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period   |   | Nil   |
| 7  | Details trainings conducted on BMW  |   |   |
|    | (i) Number of trainings conducted on BMW Management.  |   | 156   |
|    | (ii) number of personnel trained  |   | 251   |
|    | (iii) number of personnel trained at the time of induction  |   | 57  |
|    | (iv) number of personnel not undergone any training so far  |   | Nil   |
|    | (v) whether standard manual for training is available?  |   | Yes   |
|    | (vi) any other information)   |   |   |
| 8  | Details of the accident occurred during the year  |   |   |
|    | (i) Number of Accidents occurred  |   | Nil   |
|    | (ii) Number of the persons affected   |   | Nil   |
|    | (iii) Remedial Action taken (Please attach details if any)  |   | Nil   |
|    | (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? |   | Met the Incinerator stack emissions results as per the Incinerator stack standards.   |
|    | Details of Continuous online emission monitoring systems installed  |   | Yes   |
| 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   |   | Nil   |

|    |   |   |  |
|----|---|---|--|
|    | standards? How many times you have not met the standards in a year? |   |  |
| 12 | Any other relevant information                                      | : | Air Pollution Control Devices attached with the Incinerator. |

Certified that the above report is for the period from  
January 2018 to December 2018.

M.Srdiahr Reddy  
Project Head

Date : 26/06/2019  
Place : Madurai.

