

# APOTEX

Innovating for  
patient affordability

Date: 14-JUN-23

To,  
The Environmental Officer,  
Karnataka State Pollution Control Board,  
Regional Office: Anekal region  
Nisarga Bhavan, Basaveshwaranagar  
Bangalore – 560 010

Dear Sir,

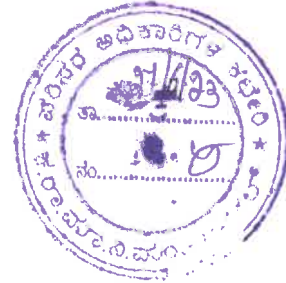
**Subject:** Submission of Bio-Medical Waste Annual returns in form -4 from Apotex research pvt ltd  
plot No.2, 4th phase, Bommasandra industrial area, Jigani link road, Bangalore-560 099

**Reference:** Section 13(1) of Bio-Medical Waste Management Rules, 2016.

Find the enclosures herewith the Bio-medical waste annual returns for the year 2022 in Form- 4.

Kindly acknowledge the receipt of the same.

Thanking you



**APOTEX RESEARCH PRIVATE LIMITED**

Plot 1 & 2, Bommasandra Indl. Area, 4th Phase, Jigani Link Road, Bangalore 560 099.

CIN: U73100KA2003PTC032103, Phone +91 80 22151014 / 71501014. Fax +91 80 27839997, www.apotex.com

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

[To be submitted to the prescribed authority on or before 30<sup>th</sup> 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	Details
1	Particulars of the Occupier :	Dr. Yoganjaneya Reddy Managing Director
	(i) Name of the authorised person (occupier or operator of facility)	
	(ii) Name of HCF :	Apotex Research Private Limited
	(iii) Address for Correspondence :	Plot-2, 4 <sup>th</sup> Phase, Bommasandra Industrial area, Jigani Link road, Anekal Taluk, Bangalore-560 099
	(iv) Address of Facility	Plot-2, 4 <sup>th</sup> Phase, Bommasandra Industrial area, Jigani Link road, Anekal Taluk, Bangalore-560 099
	(v) Tel. No, Fax. No :	080-22891014; 080-22891099
	(vi) E-mail ID :	yreddy1@apotex.co.in
	(vii) URL of Website	<a href="http://apoweb.apotex.ca/Pages/default.aspx">http://apoweb.apotex.ca/Pages/default.aspx</a>
	(viii) GPS coordinates of HCF or CBMWTF	NA
	(ix) Ownership of HCF : (State Government or Private or Semi Govt. or any other)	Private limited
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	Authorisation No.: PCB/068/N-17/2016-2022/5265 Dated 07-Nov-2022, valid up to 30-Jun-2026
(xi). Status of Consents under Water Act and Air Act	: valid up to: 30-Jun-26	
2	Type of Health Care Facility :	Bio equivalence & Bioavailability Study Centre.
i	Bedded Hospital: No. of Beds.	203
ii	Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	NA
iii	License number and its date of expiry	31-Dec-2025
3.	Details of CBMWTF :	M/s Maridi Eco Industries Pvt Ltd
i	Number healthcare facilities covered by CBMWTF .	NA
ii	No of beds covered by CBMWTF :	NA
iii	Installed treatment and disposal capacity of CBM Kg per day	NA
iv	Quantity of biomedical waste treated or disposed by CBMWTF Kg/day	NA
4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category : ATTACHED AS Red Category : ANNEXURE-1 White: Blue Category : General Solid waste:
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility	

(i)	Details of the on-site storage facility	Size : 10x12x8 Capacity : 250 Kgs/day Provision of on-site storage: <b>Dedicated storage facility.</b>
(ii)	Details of the treatment or : disposal facilities 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:	M/s Maridi Eco Industries Pvt Ltd Incineration.
(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 Quantity generated Where disposed Incineration Ash, ETP Sludge	NA
(vi)	Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	M/s 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	Basic BMW management
(i)	Number of trainings conducted on BMW Management.	4
(ii)	Number of personnel trained	140
(iii)	Number of personnel trained at the time of induction	25
(iv)	Number of personnel not undergone any training so far	NIL
(v)	Whether standard manual for training is available?	Yes
(vi)	any other information)	NIL
8	Details of the accident occurred during the year	NIL
(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? Details of Continuous online emission monitoring systems installed	NA
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	NA
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	NA
	Any other relevant information	NA
	(Air Pollution Control Devices attached with the Incinerator)	NA

Certified that the above report is for the period from January 2022 to December-2022

Date: 14-Jun-23  
Place: Bengaluru

Name and Signature of the Head of the Institution



**BIOMEDICAL WASTE COLLECTION RECORD (JAN-22 to DEC-22)**

S.No	Month	Yellow (Kgs)	Blue (Kgs)	Red (Kgs)	White Can (Kgs)	Total (Kgs)
1	January	75.00	0.100	62.00	7.00	144.10
2	February	151.00	0.300	118.00	9.00	278.30
3	March	222.00	0.150	262.00	24.00	508.15
4	April	154.00	0.300	185.00	44.00	383.30
5	May	145.00	0.130	124.00	6.00	275.13
6	June	121.00	0.800	112.00	10.00	243.80
7	July	232.00	0.500	209.00	12.00	453.50
8	August	128.00	0.200	166.00	13.00	307.20
9	September	73.00	0.250	117.00	4.00	194.25
10	October	88.00	0.150	117.00	5.00	210.15
11	November	200.00	0.500	262.00	2.00	464.50
12	December	199.00	0.300	341.00	12.00	552.30
<b>Grand Total</b>						<b>4014.68</b>

 Prepared By: *B. J. Kumar* 30-Mar-23.

 Reviewed By: *[Signature]* 03-Apr-23

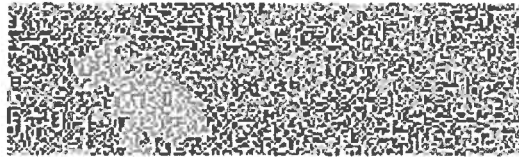



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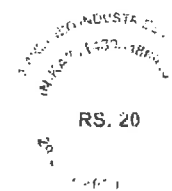
**Government of Karnataka**

**e-Stamp**

Certificate No. : IN-KA71148984869136S  
Certificate Issued Date : 29-Jun-2020 11:44 AM  
Account Reference : NONACC (FI)/ kacrsf108/ GANDHINAGAR/ KA-BA  
Unique Doc. Reference : SUBIN-KAKACRSFL0846514823577716S  
Purchased by : MARIDI BIO INDUSTRIES PVT LTD  
Description of Document : Article 12 Bond  
Description : AGREEMENT  
Consideration Price (Rs.) : 0  
(Zero)  
First Party : MARIDI BIO INDUSTRIES PVT LTD  
Second Party : APOTEX RESEARCH PVT LTD  
Stamp Duty Paid By : MARIDI BIO INDUSTRIES PVT LTD  
Stamp Duty Amount(Rs.) : 20  
(Twenty only)



Authorized Signatory  
M/s. Maridi Bio Industries Pvt Ltd  
Karnataka State Government of Revenue  
& Industries Dept.



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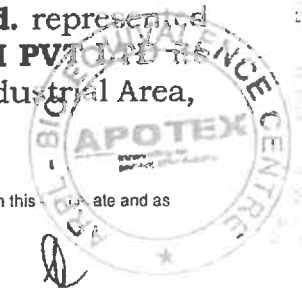
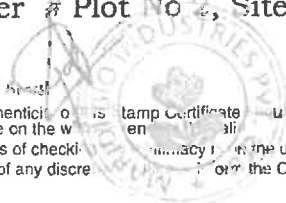
**MEMORANDUM OF UNDERSTANDING**

**Reg.No: 493**

M/s. **Maridi Bio Industries Pvt Ltd.**, having its registered office at No .8, SUNAGA ARCADE, 4<sup>th</sup> Floor, 1<sup>st</sup> Main, 8<sup>th</sup> Cross, S.R.nagar, Bangalore-560027, Phone No: 080-41512958/22103270, Email id: [maridibmw@gmail.com](mailto:maridibmw@gmail.com) and having Its Plant at Sy.No. 1/37 & 1/38, 35<sup>th</sup> Milestone, Gabbadi Kaval, Kanakapura Road, Ramanagar District, here in after referred to as, M/s. **Maridi Bio Industries Pvt Ltd.** represented by its Authorized Signatory and M/s. **APOTEX REASERCH PVT LTD** Center # Plot No 2, Site No.1, 4<sup>th</sup> Phase, Bommasandra Industrial Area,

**Statutory Notice**

1. The authenticity of this stamp certificate can be verified at "www.shcllestamp.com". Any discrepancy in the details on this certificate and as available on the website shall be the responsibility of the users of the certificate.
2. The onus of checking the authenticity of the certificate.
3. In case of any discrepancy from the Competent Authority.



- h. M/s. **Maridi Bio Industries Pvt Ltd.** will collect bio medical Waste **Regularly as per Mentioned in Registration Form (Except Sunday)** and treat the waste as per the regulations. M/s. **Maridi Bio Industries Pvt Ltd.** will not collect any General waste that is not segregated or not properly packed M/s. **Maridi Bio Industries Pvt Ltd.** will not collect general garbage.
- i. M/s. **Maridi Bio Industries Pvt Ltd.** will issue a proof of waste collection from M/s. **APOTEX REASERCH PVT LTD** as per your declarations in the application form. This will help the individual Clinic for getting compliance with the State Pollution Board. The individual Clinic/Nursing home can take their Authorization from the pollution control board by informing the board that M/s **Maridi Bio Industries Pvt Ltd.** treats their waste (The same has to be mentioned in the Authorization Form.
- j. In case **APOTEX REASERCH PVT LTD** find any irregularities in collection of waste, they can send a notice in writing to M/s. **Maridi Bio Industries Pvt Ltd.** for immediate action.
- k. M/s **Maridi Bio Industries Pvt Ltd.** will maintain their plant in good running condition all the time and ensure continuity of service as per agreement with your **APOTEX REASERCH PVT LTD.**
- l. This Memorandum of understanding is entered into on the express understanding that M/s **Maridi Bio Industries Pvt Ltd.** will maintain and run the facilities and collect transport and treat the waste at their plant strictly in accordance with the consent of the Karnataka State Pollution Control Board and it shall be the responsibility to obtain the consent and keep the same always current.
- m. In case of violation of any of the agreed condition of the MOU by either side. Issue of notice may terminate this MOU three months in advance by either party for terminating their respective obligations.
- n. All disputes to this understanding are subject to the Jurisdiction of the court in Bangalore only.
- o. MOU Renewal Charges of Rs.200 Extra for next Year.
- p. *This Agreement is effective from 01.04.2020 to 31.03.2023.*

For M/s. **Maridi Bio Industries Pvt Ltd**

Authorized Signatory



for M/s **APOTEX REASERCH PVT LTD**

Authorized Signatory



## Karnataka State Pollution Control Board

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು-560001, ಕರ್ನಾಟಕ ರಾಜ್ಯ ಭಾರತ  
"Parisara Bhavan", 1st to 5th Floor, # 49, Church Street, Bangalore - 560 001, Karnataka State, India

### FORM -III (See rule 10) AUTHORISATION

(Authorisation for operating a facility for generation, collection, reception, treatment, storage, transportation & disposal of bio medical waste)

1. File number of authorisation and date of issue.

NO.PCB/068/N-17/2016/2022/ 5265 dt: 07 NOV 2022

2. M/s. Apotex Research Pvt Limited, Plot No. 2, 4<sup>th</sup> Phase, Bommasandra Industrial Area, Jigani Link Road, Anekal Taluk, Bangaluru Urban District- 560099, is hereby granted an authorisation for;

Activity	Please tick:
Generation,	✓
Segregation	✓
Collection	✓
Storage	✓
Packaging	
Reception	
Transportation	
Treatment or processing or conversion	
Recycling	
Disposal or destruction	
Use	
Offering for sale, transfer	
Any other form of handling	

2. M/s. Apotex Research Pvt Limited, Plot No. 2, 4<sup>th</sup> Phase, Bommasandra Industrial Area, Jigani Link Road, Anekal Taluk, Bangaluru Urban District-560099, is hereby authorized for handling of Biomedical waste as per the capacity given below;

(i) Number of beds of HCF: 200 beds

Category	Bio- Medical Waste generated	Quantity Kg/Day	Treatment method
1.Yellow	a. Human Anatomical Waste	NA	Solid waste shall be handed over to Common Bio Medical Waste Treatment Facility (CBMWTF).
	b. Animal Anatomical Waste	NA	
	c. Soiled Waste	NA	After resource recovery, the



## TERMS AND CONDITIONS OF AUTHORISATION

1. The applicant shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the prescribed authority.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the prescribed authority.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. It is the duty of the authorised person to take prior permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.
6. Applicant shall take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules.
7. Applicant shall make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I of the Bio-Medical Waste Management Rules, 2016.
8. Applicant shall ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I the Bio-Medical Waste Management Rules, 2016.
9. Regional officer in the inspection report during inspection dated 19.11.2021 has reported number of beds is 84. Applicant should obtain consent for expansion and operation.
10. Applicant shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilisation on-site in the manner as prescribed by the World Health Organisation (WHO) or National AIDs Control Organisation (NACO) guidelines and then sent to the common bio-medical waste treatment facility for final disposal;
11. Applicant shall phase out use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of these rules;
12. Applicant shall dispose solid waste other than bio-medical waste in accordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time;
13. Applicant shall not to give treated bio-medical waste with municipal solid waste;
14. Applicant shall provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report;

  
**SENIOR ENVIRONMENTAL OFFICER**  
**(WASTE MANAGEMENT CELL)**

29. Application shall follow following guideline

- a. Guidelines for Management of Healthcare Waste in Health Care Facilities as per Bio Medical Waste Management Rules, 2016.
- b. Guidelines for Bar code System for Effective Management of Bio-Medical Waste.
- c. Revised guidelines for Common Bio –Medical Waste Treatment and Disposal Facilities.
- d. Guidelines for Monitoring Performance of CBMWTFs by SPCB/PCCs
- e. Guidelines for Handling, treatment and disposal of waste generated during treatment, diagnostics and quarantine of COVID 19 patients.
- f. Guidelines for “Imposition of Environmental Compensation against HCF’s and CBWTF’s.
- g. Guidelines for Verification of Two Seconds Residence time in secondary combustion chamber of the Bio medical Waste Incinerator.
- h. Guidelines for Handling of biomedical Waste for Utilization.
- i. Environmentally Sound Management of Mercury Waste Generated from Health Care Facilities.

  
**SENIOR ENVIRONMENTAL OFFICER**  
**(WASTE MANAGEMENT CELL)**