

Baby Memorial Hospital Ltd.

KERALA'S FINEST MULTI-DISCIPLINARY SUPER-SPECIALITY HOSPITAL

(NABH & NABL Accredited, ISO 9001:2015 & ISO 14001:2015 Certified Hospital)

CIN: U85110 KL 2009 PLCO 37460 | GSTIN No. : 32AADCB7392J2Z1



Ref : BMH/FMD/E/002/22

Date: 18/01/2022

To

The Environmental Engineer
Kerala State Pollution Control Board
3rd Floor, Zamorins Square,
Link Road, Kozhikode-673 002

Sir,

Sub : Baby Memorial Hospital, Calicut : Annual Report-2021

With reference to the above consent, we are enclosing herewith the Annual Report pertaining to Baby Memorial Hospital Ltd., Calicut including the following forms for the year 2021 for your record.

- (1) Form II -(Annual report-rule 10)
- (2) Form 06 -(E-Waste Manifest)
- (3) Form 13 -(Annual report-rule 20 (5)- waste oil/non ferrous)
- (4) Form IV -(Annual report-rule 13-Biomedical Waste Management)
- (5) Form 10 -(Manifest for Hazardous and other waste)

Thanking you,

Yours truly,

Vijaykrishnan P.
Asst. General Manager,
Facilities & Bio Medical Engineering

Copy to : The Member Secretary, KSPCB, Thiruvananthapuram



NABH



NABH
Nursing Excellence



NABH
Emergency Department



NABL



ISO 9001:2015 & 14001:2015

Regd. Office: 5/3429, Indira Gandhi Road, Kozhikode 673004, Kerala, India.

Phone: +91 495 2777777, 2723272, Fax: +91 495 2723484, E-mail: info@babymhospital.org, www.babymhospital.org

FORM – II
[See rule 10]
ANNUAL REPORT

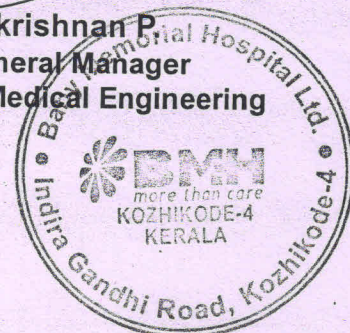
(Submitted to the prescribed authority by 31 January every year)

- 1 Particulars of the applicant
 - i) Name of the authorized person (occupier/operator) : Dr. K.G. Alexander, MD
Chairman & Managing Director
 - (ii) Name of the Institution : Baby Memorial Hospital Ltd.
Address : Indira Gandhi Road, Calicut–673 004
Tel No. : 0495 2723272
Fax No : 0495 2723484
- 2 Categories of waste generated and quantity on a monthly average basis : List attached at **Annexure 1**
- 3 Brief details of the treatment facility : ETP available
- 4 Category wise quantity of waste treated : Details attached at **Annexure 2**
- 5 Mode of Treatment with details : Details attached at **Annexure 2**
- 6 Any other information : Disposal of e waste–**Form 6,10** Attached.

Certified that the above report is for the period from 01.01.2021 to 31.12.2021

Date : 18/01/2022
Place : Kozhikode

Vijayakrishnan P
Asst. General Manager
Facilities & Bio Medical Engineering



BABY MEMORIAL HOSPITAL LTD

CATEGORY WISE QUANTITY OF BMW GENERATED FROM 1st JAN.2021 TO 31st DEC:2021

Category	Type Of Waste	Quantity	Type Of Bag/Container	Treatment & Disposal option
Yellow	Human Anatomical waste, Micro-Biology and Laboratory waste, Soiled waste, Discarded Linen, Mattress, Chemical waste & Discarded Medicine.	44722 Kg.	Yellow plastic bag & Yellow plastic container	Common BMW Treatment Facility Owned by M/S IMAGE
Red	Contaminated solid waste (Recyclable)	7021 Kg.	Red plastic bag & Red plastic container	
White	Waste Sharp Metals	1292 Kg.	White puncture proof container	
Blue	Waste Sharp Glassware & Metallic Body Implants	5098 Kg.	Blue puncture proof container	

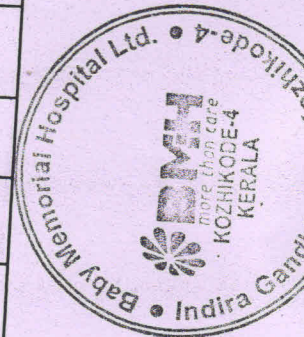


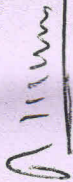
VISWANATHAN THEKKINATH
Manager
Housekeeping

BABY MEMORIAL HOSPITAL LTD
Annexure-1
QUANTITY OF BMW GENERATED ON A MONTHLY BASIS FROM 1st JAN.2021 TO 31st DEC.2021

CATEGORY	JAN'21	FEB'21	MAR'21	APR'21	MAY'21	JUN'21	JUL'21	AUG'21	SEP'21	OCT'21	NOV'21	DEC'21
Yellow Human waste, Micro, Chemical waste in Kg.	3717	3356	3748	3627	3792	3649	3803	3639	3630	3873	3875	3942
Yellow Discarded Medicine in Kg.	6.25	5.5	6.5	5.5	5.32	5.25	5.9	5.72	6.33	6.6	5.5	6.9
Yellow Liquid Waste in Ltr.	875	867	880	872	864	857	862	855	865	860	870	867
Red Solid Waste (Recyclable) in Kg.	540	534	685	568	655	635	643	517	614	545	524	561
White Sharp Waste (Metal) in Kg.	101	106	120	90	89	107	120	104	103	123	127	102
Blue Sharp Waste (Glass) in Kg.	538	420	506	487	374	384	406	198	404	457	473	451

Waste category	Method of storage	Method of treatment	Method of disposal
Yellow	Yellow plastic bag	As per schedule I of	Common facility owned
Red	Red plastic bag	Biomedical waste management	by IMAGE
White	White pp container	(Amendment) Rules 2018	
Blue	Blue pp container		
(Liquid)	Collection tank	Disinfection	STP (BMH)




VISWANATHAN THEKKINATH
 Manager
 Housekeeping

E-WASTE MANIFEST

051

1. Sender's Name and mailing Address (Including Phone No.):	m/s Baby Memorial Hospital Ltd, Kozhikode.		
2. Sender's Authorisation No., if applicable:	-		
3. Manifest Document No.:	051		
4. Transporter's Name and Address (Including Phone No.):	ESRPL.		
5. Type of Vehicle:	(Truck or Tanker or Special Vehicle)		
6. Transporter/s Registration No.:	-		
7. Vehicle Registration No.:	KL-50-A-7204		
8. Receiver's Name & Address:	Earth Sense Recycle Private Limited XIII/650, K.Puthur, Kanjikode Post, Palakkad - 678 621, Kerala, Phone : 0491 2566116		
9. Receiver's Authorisation No., if applicable:	PUB/PLKD/IC/10/R3/840/2019		
10. Description of E-waste (Item, Weight / Numbers)	E. Waste - 1029 kg Disposable - 259 kg		
11. Name and stamp of sender Refurbisher or Dismantler Signature	Manufacturer or Producer or Bulk Consumer or Collection Centre or Month Day Year		08 10 2021
12. Name and Stamp Signature	Transporter acknowledgment of receipt of E-Wastes Month Day Year		08 10 2021
13. Name and Stamp Signature	Receiver * (Collection Centre or Refurbisher or Dismantler or Recyclers Certification of receipt of E - Wastes Month Day Year		08 10 2021

Note:-

Copy Number with Colour Code (1)	Purpose (2)
Copy 1 (Yellow)	To be retained by the sender after taking signature on it from the transporter and other three copies will be carried by transporter.
Copy 2 (Pink)	To be retained the receiver after signature of the transporter.
Copy 3 (Orange)	To be retained by the transporter after taking signature of the receiver.
Copy 4 (Green)	To be retained by the receiver with his/her signature to the sender

* As applicable

FORM – 13
[See rule 20 (5)]

Form for Filling Returns of Auction/Sale of Non-Ferrous Metal Wastes/Used Oil/Waste Oil

(To be submitted by waste generators/auctioneers to the concerned State Pollution Control Board/Committee by 31st January of every year)

1	Name and address of the waste generator/auctioneer	:	Baby Memorial Hospital Indira Gandhi Road Kozhikode-673 004
2	Total quantity of wastes auctioned/sold during the period	(i)	Non-ferrous Metal wastes [indicates type and quantity in metric tons along with the names(s) address(s) of registered recycler(s)]: -NA-
		(ii)	Used oil/waste oil [indicated type and quantity in metric tons along with the names(s) address(s) of registered recycler(s)re-refiner(s)] Used oil 315 Ltrs, M/s. APJ REFINERIES PVT LTD. Pudussery Central Village, New Industrial Development Area, (NIDA) Kanjikode, Palakkad 678 621.


* delete whichever is not applicable

Place : Kozhikode
Date : 18/01/2022

Vijayakrishnan P.
Asst. General Manager
Facilities & Bio Medical Engineering



FORM 10 [See rule 19 (1)]
MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's name and mailing address (including Phone No. and e-mail)	BABY MEMORIAL HOSPITAL - CALICUT.
2.	Sender's authorisation No.	
3.	Manifest Document No.	158
4.	Transporter's Name & Address (including Phone No. and e-mail)	
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)
6.	Transporter's Registration No.	
7.	Vehicle Registration No.	KC 11 AG 9420
8.	Receiver's name and mailing address (including Phone No. and e-mail)	APJ REFINERIES PVT.LTD., NIDA, Kanjikode, Palakkad- 678 621, Tel: 0491 - 2566595, 2566740 Email : apjrefineries@gmail.com
9.	Receiver's authorisation No.	PCB / HO/ PLKD / HWM / REG/ 03 / 2013 dt. 04/07/2013
10.	Waste description	Waste Oil
11.	Total Quantity No. of containers	315 Ltrs m ³ or MT 2 bails Nos.
12.	Physical Form	(Solid / Semi- Solid / Sludge / Oil / Tarry / Slurry/Liquid)
13.	Special handling instructions and additional information	
14.	Sender's Certificate :	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	 Name and Stamp:	Signature : _____ Month Day Year 07 07 2021
15.	Transporter's acknowledgment of receipt of Waste	
	Name and Stamp:	Signature : _____ Month Day Year _____
16.	Receiver's certification for receipt of hazardous and other waste	
	Name and Stamp:	Signature : _____ Month Day Year 07 07 2021

- Copy 1 (White) - To be forwarded by the sender to the State Pollution Control Board after signing all the seven copies
- Copy 2 (Yellow) - To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the transporter
- Copy 3 (Pink) - To be retained by the receiver (actual user or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are to be duly signed by the receiver.
- Copy 4 (Orange) - To be handed over to the Transporter by the receiver after accepting waste.
- Copy 5 (Green) - To be sent by the receiver to the State Pollution Control Board.
- Copy 6 (Blue) - To be sent by the receiver to the sender.
- Copy 7 (Grey) - To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State

Form IV
(See rule 13)

ANNUAL REPORT

Sl.	Particulars	
1	(I) Particulars of the occupier	
	(i) Name of the authorized person (occupier or operator of facility)	: Dr. K.G. Alexander
	(ii) Name of HCF or CBMWTF	: M/s Baby Memorial Hospital Ltd.
	(iii) Address for Correspondence	: I G Road, Arayadathupalam Kozhikode – 673 004
	(iv) Address of Facility	: M/s Baby Memorial Hospital Ltd. I G Road, Arayadathupalam, Kozhikode-673 004
	(v) Tel.No.	: 0495 2777777
	Fax.No	: 0495 2723484
	(vi) E-mail ID	: info@babymhospital.org , bmhms@babymhospital.org
	(vii) URL of Website	: www.babymhospital.org
	(viii) GPS coordinates of HCF or CBMWTF	: —
	(ix) Ownership of HCF or CBMWTF	: Limited Company
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	: Authorization No: PCB/HO//KKD/ICO-R/03/2019 Valid up to 30/06/2023
	(xi) Status of Consents under Water Act and Air Act	
2	Type of Health Care Facility	: —
	(i) Bedded Hospital	: No. of Beds : 600
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research institute or Veterinary Hospital or any other)	: NA

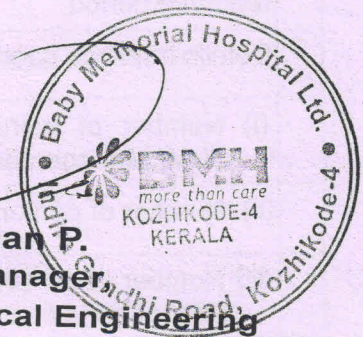
	(iii) License number and its date of expiry.	:	III/63/950/2021-2022- Valid up to 31-03-2026	
3	Details of CBMWTF	:	M/s IMAGE-Palakkad	
	(I) Number healthcare facilities covered by CBMWTF	:	16922	
	(ii) No.of beds covered by CBMWTF	:	105958	
	(iii) Installed treatment and disposal capacity of CBMWTF	:	55.8 Tones/day	
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	55 Tones /day	
4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	<u>Yellow category : 44722 kg (per year)</u> <u>Red category : 7021 kg (per year)</u> <u>White category : 1292 kg (per year)</u> <u>Blue category : 5098 kg (per year)</u> <u>General Solid waste : 58992 kg (per year)</u>	
5	Details of the storage, treatment, transportation, processing and Disposal Facility			
	(i) Details of the on-site storage facility		Size : 300 Sqft.	
			Capacity : 3000 kg	
	(ii) Details of the treatment or Disposal facilities			
	IMAGE			
	Type of Treatment equipment	No.of units	Capacity Kg/Day	Quantity treated or disposed on kg per annum
	Incinerators	-		
	Plasma Pyrolysis	-		
	Autoclave	-		
	Microwave	-		
	Hydroclave	-		
	Shredder			
	Needle tip cutter or destroyer	92 nos		

Sharpeners 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.,) 8,000 tons	
(iv) No of vehicles used for collection and transportation of bio-medical waste.	:	73 Vehicles	
(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	Ash nil. ETP Sludge- 69,000 kg	
Incineration	Quantity generated	Where disposed	
Ash			
ETP Sludge	69,000 kg	Landfill.	
(vi) Name of the common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	M/s IMAGE, BMW	
(vii) List of member HCF not handed over bio-medical waste.	:	—	
6 Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period.	:	Yes. Copies attached. (Annexure 01)	
7 Details trainings conducted on BMW	:	Weekly, Monthly, Orientation on during induction	
(i) Number of training conducted on BMW Management	:	148	
(ii) Number of personnel trained	:	1500	
(iii) Number of personnel trained at the time of induction	:	1506	
(iv) Number of personnel not under gone any training so far.	:	Nil.	
(v) Whether standard manual for training is available?	:	Yes.	

	(vi) Any other information	:	Conducting written exam.(Qtrly)
8	Details of the accident occurred during the year.	:	—
	(i) No. of accidents occurred	:	—
	(ii) Number of the persons affected	:	—
	(iii) Remedial action taken (please attach details if any)	:	—
	(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?	:	Yes. Waste water treatment plant. Nil
11	Is the disinfection method or sterilization meeting the long 4 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)	:	Nil

Certified that the above report is for the period from : 01-01-2021 to 31-12-2022.

Vijayakrishnan P.
Asst. General Manager
Facilities & Bio Medical Engineering



Date : 18-01-2022

Place: Kozhikode