

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. : 32AADCB7392J2ZI



Ref : BMH/ESD/E/001/24

Date: 18-01-2024

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-2023

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 2023 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, Thiruvananthapuram

FORM – II
[See rule 10]
ANNUAL REPORT

- 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** Attached.

Certified that the above report is for the period from 01-01-2023 to 31-12-2023


Vijaykrishnan P
Asst. General Manager
Facilities & Bio Medical Engineering



Place : Kozhikode
Date : 18-01-24

BABY MEMORIAL HOSPITAL LTD Annexure- 1

QUANTITY OF BMW GENERATED ON A MONTHLY BASIS FROM 1st JAN,2023 TO 31st DEC 2023

CATEGORY	TYPE OF WASTE	QUANTITY OF BMW GENERATED ON A MONTHLY BASIS FROM 1st JAN,2023 TO 31st DEC 2023											
		JAN'23	FEB'23	MAR'23	APR'23	MAY'23	JUN'23	JUL'23	AUG'23	SEP'23	OCT'23	NOV'23	DEC'23
Yellow	Human waste,Micro,Chemical waste in kg's	4065	4571	4166	3909	4073	3942	4260.5	4791	4799	4537	4491	4745
Yellow	Discarded Medicine in Kg's	12.96	9.03	13.35	10.85	12.97	12.5	13.66	14.45	18.5	22.75	20.3	23.5
Yellow	Liquid Waste in Ltr.	864	840	857	862	867	842	864	872	854	868	852	870
Red	Solid Waste (Recyclable) In Kg's	363	322	493	413	442	422	805	1408	1339	1987	2137	2398
White	Sharp Waste (Metal) In Kg's.	134	160	159	187	154	135	174	239	211	216	212	201.7
Blue	Sharp Waste (Glass) In Kg's.	162	202	175	136	129	137	229	407	384	368	362	400
	Waste category	Method of storage											
Yellow	Yellow plastic bag	Method of treatment											
Red	Red plastic bag	As per schedule I of											
White	White puncture proof container	Biomedical waste management											
Blue	Blue puncture proof container	(Amendment) Rules 2018											
(Liquid)	Collection tank	Disinfection											
		STP (BMH)											
		Method of disposal											
		Common facility owned											
		by IMAGE											



[Signature]

SWANATHAN THEKKINATH
Manager
Housekeeping

BABY MEMORIAL HOSPITAL LTD

Annexure-2

CATEGORY WISE QUANTITY OF BMW GENERATED FROM 1st JAN.2023 TO 31st DEC 2023

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.	52534.3 Kg.	Yellow plastic bag & Yellow plastic container	Common BMW Treatment Facility Owned by M/S IMAGE
Red	Contaminated solid waste (Recyclable)	12529 Kg.	Red plastic bag & Red plastic container	
White	Waste Sharp Metals	2182.7 Kg.	White puncture proof container	
Blue	Waste Sharp Glassware & Metallic Body Implants	3091 Kg.	Blue puncture proof container	



(Handwritten Signature)

S. WAMATHAN THEKKINATH
Manager
Housekeeping

Minutes of the Waste Management Committee

The waste management committee meeting was held at HIC office (A-8314) on 06-07-2023 at 10.00 am

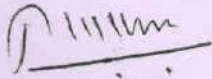
Chair – Mr. Viswanathan Thekkinath - Sr.Manager Housekeeping & Laundry

Members present:

1. Mr.Santhosh Balakrishnan - Manager QMS
2. Mr. Sinoy.C - Housekeeping Supervisor (Convener)
3. Mrs. Asha Mathew (Infection Control)

1. **Opening of the meeting:** Meeting was called to order by the Chairman at 10.00 am who welcomed the members.
2. **Minutes of the previous meeting:** The minutes of the previous meeting was read and passed unanimously by the committee.
3. **Points out of the previous minutes:** Nil
4. **Points from the Chair:**
 - a. Hazardous materials list 2023 has been updated with 153 items and the MSDS are made available in the intranet.
 - b. Earth sense Recycle Agreement pertaining to E-waste have been renewed and 1700 kg of E-waste and 245 kg of Hazardous waste have been disposed.
 - c. As per NABH 5th Edition outsourcing has been done based on prescrobred statutory norms/regulations. It is not mandatory to monitor the quality of the outsourced service
5. **Points from the members:**
 - d. Mr. Sinoy.C (Convener) Training conducted for Bio-medical waste management staff including supervisors,And also conducted a floor inspection checked segregation, collection, transportation and temprary storage of bio-medical waste and found lot of improvements in the system.

There being no other points the meeting was adjourned at 10.30 am.



Mr.Vishwanathan.T
Chairman – Waste Management Committee

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)] (Last year not sold out,less quantity) Used oil 245Ltrs, M/s. APJ REFINERIES PVT LTD. Pudussery Central Village, New Industrial Development Area, (NIDA) Kanjikode, Palakkad 678 621.

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



Place : Kozhikode
Date : 18-01-2024

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 KOZHIKODE			
2.	Sender's authorisation No.				
3.	Manifest Document No.	136			
4.	Transporter's Name & Address (including Phone No. and e-mail)	APJ REFINERIES PVT LTD. NIDA, KANJIKODE, PALAKKAD			
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)			
6.	Transporter's Registration No.				
7.	Vehicle Registration No.	KL 11 BE 4332			
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	Used oil			
11.	Total Quantity 245 Litresm ³ or MT			
	No. of containers 2 BxlsNos.			
12.	Physical Form	(Solid / Semi- Solid / Sludge / Oily / Tarry / Slurry/Liquid)			
13.	Special handling instructions and additional information	Do not spill in transit			
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
			05	16	2023
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
			05	16	2023

- 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/03/2023 Valid up to 30/06/2028
	(xi) Status of Consents under Water Act and Air Act	:	
2	Type of Health Care Facility	:	—
	(i) Bedded Hospital	:	No. of Beds : 490
	(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 health care facilities covered by CBMWTF	:	19176
	(ii) No.of beds covered by CBMWTF	:	104922
	(iii) Installed treatment and disposal capacity of CBMWTF	:	55.8 Tons /day
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	51.79 Tons /day
4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	<p>Yellow category : 52534 kgs (per year)</p> <p>Red category : 12529 kgs (per year)</p> <p>White category : 2182 kgs (per year)</p> <p>Blue category : 3091 kgs (per year)</p> <p>General solid waste : 44883 kgs (per year)</p>
5	Details of the storage, treatment, transportation, processing and Disposal Facility		
			Size : 300 Sqft.
	(i) Details of the on-site storage facility		Capacity : 3000 kg
	(ii) Details of the treatment or Disposal facilities		
	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	70 nos		
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.,) 5421 kg	
(iv) No of vehicles used for collection and transportation of bio-medical waste.	:	One vehicle from IMAGE each day.	
(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	Ash - Nil. ETP Sludge - 54820 kg	
Incineration	Quantity generated	Where disposed	
Ash	Nil		
TP Sludge	54820 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. Copy of latest minutes of the meeting attached as Annexure.	
7 Details training conducted on BMW	:	Weekly, Monthly, Orientation on during induction	
(i) Number of training conducted on BMW Management	:	60	
(ii) Number of personnel trained	:	798	
(iii) Number of personnel trained at the time of induction	:	1956	
(iv) Number of personnel not under gone any training so far.	:	Nil. Induction is Compulsory.	

	(v) Whether standard manual for training is available?	:	Yes. Power Point Presentation.
	(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 : 1st January 2023 to 31st December 2023.



Vijayakrishnan P
Asst. General Manager
Facilities & Bio Medical Engineering

Place : Kozhikode
Date : 18-01-2024

Minutes of the Waste Management Committee

The waste management committee meeting was held at HIC office (A-8314) on 06-07-2023 at 10.00 am

Chair – Mr. Viswanathan Thekkinath - Sr.Manager Housekeeping & Laundry

Members present:

1. Mr.Santhosh Balakrishnan - Manager QMS
2. Mr. Sinoy.C - Housekeeping Supervisor (Convener)
3. Mrs. Asha Mathew (Infection Control)

1. **Opening of the meeting:** Meeting was called to order by the Chairman at 10.00 am who welcomed the members.

2. **Minutes of the previous meeting:** The minutes of the previous meeting was read and passed unanimously by the committee.

3. **Points out of the previous minutes:** Nil

4. **Points from the Chair:**

a. Hazardous materials list 2023 has been updated with 153 items and the MSDS are made available in the intranet.

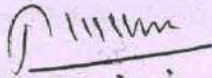
b. Earth sense Recycle Agreement pertaining to E-waste have been renewed and 1700 kg of E-waste and 245 kg of Hazardous waste have been disposed.

c. As per NABH 5th Edition outsourcing has been done based on prescribed statutory norms/regulations. It is not mandatory to monitor the quality of the outsourced service

5. **Points from the members:**

d. Mr. Sinoy.C (Convener) Training conducted for Bio-medical waste management staff including supervisors, And also conducted a floor inspection checked segregation, collection, transportation and temporary storage of bio-medical waste and found lot of improvements in the system.

There being no other points the meeting was adjourned at 10.30 am.





Mr.Vishwanathan.T

Chairman – Waste Management Committee

E-WASTE MANIFEST

006

1.	Sender's Name and mailing Address (Including Phone No.) :	M/s. Baby Memorial Hospital 1 G Road, Calicut.
2.	Sender's Authorisation No., if applicable :	-
3.	Manifest Document No.:	006
4.	Transporter's Name and Address (Including Phone No.) :	Sri Lakshmi Transport.
5.	Type of Vehicle :	(Truck or Tanker or Special Vehicle)
6.	Transporter/s Registration No.:	-
7.	Vehicle Registration No.:	KL-60-T-8327
8.	Receiver's Name & Address :	M/s. Earth Sense Ranch Area.
9.	Receiver's Authorisation No., if applicable :	PLB/PLKO/IC/CO/R3/840/2019.
10.	Description of E-waste (Item, Weight / Numbers)	E Waste - 1700 kg Hazardous Waste - 245 kg <u>1945 kg.</u>
11.	Name and stamp of sender Refurbisher or Dismantler Signature	 Manufacturer or Producer or Bulk Consumer or Collection Centre or Month Day Year 07-05-2023
12.	Transporter acknowledgment of receipt of E-Waste Name and Stamp: Signature	Month Day Year 07-05-2023
13.	Receiver * (Collection Centre or Refurbisher or Dismantler or Recycler) Certification of receipt of E - Waste Name and Stamp: Signature	 Month Day Year 07-05-2023.

Note:-

* As applicable

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 returned by the receiver with his/her signature to the sender