



Dt-28/7/2020

To

The DEE,  
TNPCCB,  
Salem.

Dear Sir,

Sub:Annual Report of BMW -2018

Ref: Manipal Hospital-Salem.

Please find attached our Annual BMW report of 2018 for your records.

Request you to please acknowledge the same for our own & NABH audit purpose.

Regards,

For.Manipal Hospital-Salem

*P. Vashudev Godya*  
28/7/2020

(P.Vashudev Godya-Operations)



*MV*  
28/7/2020

Manipal Hospital Salem

Dalmia Board, Salem-Bangalore Highway, Salem 636 012 P +91 427 2346 600 [www.manipalhospitals.com](http://www.manipalhospitals.com)

Registered Office

Manipal Health Enterprises Pvt Ltd

The Annexe, #98/2, Rustom Bagh Road, Off HAL Airport Road, Bangalore 560 017 P +91 80 4936 0300 [www.manipalhospitals.com](http://www.manipalhospitals.com)  
CIN: U85110KA2010PTC052540



**Form – IV**  
(See rule 13)  
**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	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or : operator of facility)	:	Mr.SGS Lakshmanan
	(ii) Name of HCF or CBMWTF	:	MANIPAL HOSPITALS
	(iii) Address for Correspondence	:	Sf.No: 46/1A,46/4A2, Vellakkalpatti Village, Omalur Taluk, Salem District 636012
	(iv) Address of Facility	:	Sf.No: 46/1A,46/4A2, Vellakkalpatti Village, Omalur Taluk, Salem District 636012
	(v)Tel. No, Fax. No	:	T +91 427 2346 600   F +91 427 2345
	(vi) E-mail ID	:	adminsalem@manipalhospitals.com
	(vii) URL of Website	:	https://salem.manipalhospitals.com/
	(viii) GPS coordinates of HCF or CBMWTF	:	
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other) Private Corporate Hospital
	(x). Status of Authorization under the Bio-Medicalwaste (Management and Handling) Rules	:	Authorisation No.: BMW-4796 Valid upto: .....
	(xi). Status of Consents under Water Act and Air Act	:	Valid upto: Air No : 2009230672719 - 31/3/2021 Water No: 2009130672719 - 31/3/2021
2	Type of Health Care Facility	:	Multi Specialty
	(i) Bedded Hospital	:	No. of Beds: 130
	(ii) Non-bedded hospital 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 of health care facilities covered by CBMWTF	:	
	(ii) No. of Beds covered by CBMWTF	:	
	(iii) Installed treatment and disposal capacity of CBMWTF;	:	_____ Kg / day
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	:	_____ Kg / day
4	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)	:	<i>Yellow Category: 457 Kgs / Month</i> <i>Red Category: 697 Kgs / Month</i> <i>White: 131 Kgs / Month</i> <i>Blue Category: 104 Kgs /Month</i> <i>General Solid Waste: 105 Kgs / Day</i>

	facility		(1) Size:1.3/4m*1.1/2m*2.1m, (2) 1.1/2m*1.1/2m*2.1/2m (3) 1.1/2m*1.1/2m*2.1/2m (4) 1/1/2m*1.1/2m*2.1/2m																																																				
			Capacity: 6.5625M3 (2) 5.625 M3 (3) 5.625 M3 (4)5.625 M3																																																				
			Provision of on-site storage : (Cold storage or any other provision)																																																				
	(ii) Disposal facilities		<table border="1"> <thead> <tr> <th>Type of treatment equipment</th> <th>No of Units</th> <th>Capacity Kg/day</th> <th>Quantity Treated or disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Autoclaves</td> <td>02</td> <td></td> <td></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></td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td>05</td> <td></td> <td></td> </tr> <tr> <td>Sharps</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Encapsulation or concrete pit</td> <td></td> <td></td> <td></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> </tbody> </table>	Type of treatment equipment	No of Units	Capacity Kg/day	Quantity Treated or disposed in kg per annum	Incinerators				Plasma Pyrolysis				Autoclaves	02			Microwave				Hydroclave				Shredder				Needle tip cutter or destroyer	05			Sharps				Encapsulation or concrete pit				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																																																							
Plasma Pyrolysis																																																							
Autoclaves	02																																																						
Microwave																																																							
Hydroclave																																																							
Shredder																																																							
Needle tip cutter or destroyer	05																																																						
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.) NO																																																				
	(iv) No. of Vehicles used for collection and transportation of biomedical waste	:																																																					
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		<table border="1"> <thead> <tr> <th></th> <th>Quantity Generated</th> <th>Where disposed</th> </tr> </thead> <tbody> <tr> <td>Incineration</td> <td></td> <td></td> </tr> <tr> <td>Ash</td> <td></td> <td></td> </tr> <tr> <td>ETP Sludge</td> <td></td> <td></td> </tr> </tbody> </table>		Quantity Generated	Where disposed	Incineration			Ash			ETP Sludge																																										
	Quantity Generated	Where disposed																																																					
Incineration																																																							
Ash																																																							
ETP Sludge																																																							
	(vi) Name of the Common Bio - Medical Waste Treatment Facility Operator through which wastes are disposed of		Ramky Energy and Environment Ltd. Salem 637 102																																																				
	(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																																																						



7	Details trainings conducted on BMW	Bio Medical Waste Segregation, BMW Transport, BMW Storage, PPE.
	(i) Number of trainings conducted on BMW Management	26
	(ii) Number of personnel trained	415
	(iii) Number of personnel trained at the time of induction	54
	(iv) Number of personnel not undergone any training so far	YES
	(v) Whether standard manual for training is available?	
8.	Details of the accident occurred during the year	-
	(i) Number of Accidents occurred	-
	(ii) Number of 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?	NA
	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?	We Have 50 KLD STP
11	Is the disinfection method or sterilization meeting the log 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)

Certified that the above report is for the period from 01.01.2018 to 31.12.2018

Name and Signature of the Head of the Institution

Date: 28/7/2021

Place: Salem



**S.G.S. LAKSHMANAN**  
Unit Head  
Manipal Hospital, SALEM.