

To

Date:28/06/2020

The Environmental Officer
KSPCB, Regional Office – Bommanahalli
Nisarga Bhavana, 2nd Floor
Thimmaiah Road, Shivanahalli
Bengaluru-560010

Dear Sir

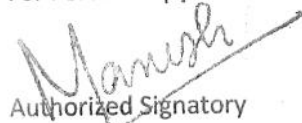
Sub: Submission of Bio-Medical Annual Returns (Form-IV)

With reference to the above subject, we are herewith submitting Bio-Medical Annual Returns in Form-IV (See Rule 13) as per BMW Rules for the period from **01-01-2019 to 31-12-2019**.

Kindly acknowledge the receipt of the same.

Thanking you

For Fortis Hospital Limited


Authorized Signatory**CC: The Senior Environmental Officer**BMW Cell, 4th Floor, Church Street,

MG Road, Bengaluru-560001



24*7  **EMERGENCY HELP LINE 96860 96860**



Fortis Hospitals Limited
154/9, Bannerghatta Road,
Opp. IIM-B, Bangalore - 560 076
Tel. : +91-80-6621 4444, 2254 4444
Fax : +91-80-6621 4242.
care.bng@fortishealthcare.com
CIN No. U93000DL2009PLC222166

To

Date:28/06/2020

The Environmental Officer

KSPCB, Regional Office – Bommanahalli

Nisarga Bhavana, 2nd Floor

Thimmaiah Road, Shivanahalli

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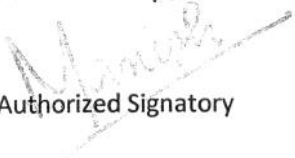
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Form – IV
(See rule13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January 2019 to December 2019 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 authorised person (occupier or : operator of facility)	:	Dr.Manish Mattoo
	(ii) Name of HCF or CBMWTF	:	FORTIS HOSPITALS LIMITED
	(iii) Address for Correspondence	:	Fortis Hospitals Limited 154/9, Bannerghattha road, Opp-IIM,Bangalore-76
	(iv) Address of Facility	:	Fortis Hospitals Limited 154/9, Bannerghattha road, Opp-IIM,Bangalore-76
	(v)Tel. No, Fax. No	:	08066214444
	(vi) E-mail ID	:	sharad.shetty@fortishealthcare.com
	(vii) URL of Website	:	www.fortishealthcare.com
	(viii) GPS coordinates of HCF or CBMWTF	:	-----
	(ix) Ownership of HCF or CBMWTF	:	Public Limited
	(x). Status of Authorisation under the Bio-Medical	:	Authorization No.:KSPCB/BMW/HCE/24-sep-2018 , No;149708/H/715 VALID TILL:- 30.06.2021

	Waste (Management and Handling) Rules		
	(xi). Status of Consents under Water Act and Air Act	:	Valid upto:14.11.2021
2.	Type of Health Care Facility	:	Multispecialty Hospital
	(i) Bedded Hospital	:	305 operational beds
	(ii) Non-bedded hospital Laboratory (Clinic or Blood Bank or Clinically or Research Institute or Veterinary Hospital or any other)	:	NA
	(iii) License number and its date of expiry		KSPCB/BMW/HCE/24-Sep-2018 , No;149708/H/715VALID TILL:- 30.06.2021
3.	Details of CBMWTF	:	ECO MARIDI INDUSTIES PVT 35 TH Mile stone Kanakapura road Bangalore ..562112
	(i) Number healthcare facilities covered by CBMWTF	:	NA
	(ii) No of beds covered by CBMWTF	:	NA
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	NA
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	NA

4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow Category -42710	
			Red Category-50667	
			Blue category-12042	
			Sharp's Can :3114	
			Red Category :4222.25 Kgs	Average Per month
Yellow Category : 3559.16 Kgs	Average Per month			
Blue Category : 1003.5 Kgs	Average Per month			
Sharp's Can : 259.5	Average Per month			
5	Details of the Storage, treatment, transportation, processing and Disposal Facility			
	(i) Details of the on-site storage facility	:	Size : 189 SFT	
			Capacity :	
			Provision of on-site storage : (cold storage or any other provision)	

disposal facilities		Capacity of each unit
		<p>Incinerators:</p> <p>Plasma Pyrolysis:</p> <p>Auto claves:</p> <p>Microwave:</p> <p>Hydroclave:</p> <p>Shredder:</p> <p>Needle tip cutter or destroyer:</p> <p>Sharps encapsulation or concrete pit:</p> <p>Deep burial pits:</p> <p>Chemical disinfection:</p> <p>Any other treatment equipment:</p>

(iii)Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	:	NA								
(iv) No of vehicles used for collection and transportation of biomedical waste	:	Details enclosed As per the Annexure - A								
(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>Quantity generated</th> <th>Where disposed</th> </tr> </thead> <tbody> <tr> <td>Incineration</td> <td>NA</td> </tr> <tr> <td>Ash</td> <td>NA</td> </tr> <tr> <td>ETP Sludge</td> <td>NA</td> </tr> </tbody> </table>	Quantity generated	Where disposed	Incineration	NA	Ash	NA	ETP Sludge	NA
Quantity generated	Where disposed									
Incineration	NA									
Ash	NA									
ETP Sludge	NA									
(vi)Name of the Common Bio- : Medical Waste Treatment Facility Operator through which wastes are disposed of		ECO MARIDI INDUSTRIES PVT 35 TH Mile stone Kanakapura road Bangalore ..562112								
(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, details Attached								
7 Details trainings conducted on BMW		Details Attached								
(i) Number of trainings conducted on BMW Management.		Monthly one's BMW training								

(ii) number of personnel trained		All Housekeeping staff And Nursing staff
(iii) number of personnel trained at the time of induction		As above
(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		NO
	(i) Number of Accidents occurred		---
	(ii) Number of the persons affected		---
	(iii) Remedial Action taken (Please attach details if any)		NA
	(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		NA
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		LWTP is working good
11	Is the disinfection method or sterilization meeting the log 4standards? How many times you have not met the standards in a year?		Yes
12	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator) NIL

Certified that the above report is for the period from January 2019 – December - 2019

Date: 28.06.2020
Place Bengaluru

Name and Signature of the Head of the Institution

Manish

Fortis Hospital Limited
154/9, Opp IIM-D
Bannerghatta Road, Bangalore - 560 076

Mar-19				
Date	yellow Kgs	RED Kgs	Blue Kgs	Sharp's can
01-Mar-19	179	214	17	4
02-Mar-19	110	80	5	16
03-Mar-19	56	85	39	1
04-Mar-19	59	30	15	5
05-Mar-19	137	143	36	19
06-Mar-19	147	156	36	4
07-Mar-19	139	169	40	11
08-Mar-19	115	135	1	0
09-Mar-19	149	214	22	1
10-Mar-19	137	142	38	8
11-Mar-19	47	79	26	3
12-Mar-19	140	112	6	12
13-Mar-19	130	182	25	15
14-Mar-19	131	138	18	7
15-Mar-19	139	113	49	7
16-Mar-19	138	149	14	3
17-Mar-19	129	172	36	14
18-Mar-19	80	90	18	10
19-Mar-19	154	148	13	13
20-Mar-19	110	140	10	6
21-Mar-19	147	155	42	8
22-Mar-19	125	160	35	3
23-Mar-19	142	136	65	2
24-Mar-19	165	185	45	21
25-Mar-19	38	58	32	5
26-Mar-19	155	165	20	17
27-Mar-19	127	139	50	7
28-Mar-19	170	155	130	10
29-Mar-19	95	160	40	6
30-Mar-19	130	135	15	7
31-Mar-19	118	110	62	17
Total	3838	4249	1000	262

Jun-19

Date	yellow Kgs	RED Kgs	Blue Kgs	Sharp's can
01-Jun-19	162	159	90	36
02-Jun-19	75	95	1	10
03-Jun-19	41	61	11	0
04-Jun-19	140	185	5	3
05-Jun-19	197	156	65	5
06-Jun-19	146	154	15	4
07-Jun-19	158	170	82	7
08-Jun-19	153	166	39	8
09-Jun-19	160	175	68	9
10-Jun-19	44	51	29	4
11-Jun-19	71	112	11	11
12-Jun-19	111	123	2	4
13-Jun-19	86	121	23	8
14-Jun-19	105	130	52	5
15-Jun-19	80	156	62	6
16-Jun-19	200	200	85	7
17-Jun-19	56	83	34	4
18-Jun-19	78	135	7	7
19-Jun-19	140	185	8	46
20-Jun-19	185	177	35	13
21-Jun-19	114	128	13	12
22-Jun-19	178	160	45	12
23-Jun-19	112	70	20	10
24-Jun-19	45	121	25	1
25-Jun-19	90	141	51	10
26-Jun-19	155	180	8	14
27-Jun-19	95	110	18	13
28-Jun-19	146	147	17	5
29-Jun-19	112	135	42	9
30-Jun-19	148	154	56	9
Total	3583	4140	1019	292

Jul-19

Date	yellow Kgs	RED Kgs	Blue Kgs	Sharp's can
01-Jul-19	63	65	8	3
02-Jul-19	125	140	35	9
03-Jul-19	152	179	32	2
04-Jul-19	125	130	20	9
05-Jul-19	127	162	8	3
06-Jul-19	135	140	30	9
07-Jul-19	169	182	0	0
08-Jul-19	30	40	15	12
09-Jul-19	98	105	11	13
10-Jul-19	115	130	13	9
11-Jul-19	137	152	21	4
12-Jul-19	113	140	3	3
13-Jul-19	132	129	4	22
14-Jul-19	130	140	45	21
15-Jul-19	39	51	17	2
16-Jul-19	95	120	2	15
17-Jul-19	105	129	32	2
18-Jul-19	90	130	2	1
19-Jul-19	42	50	7	5
20-Jul-19	150	180	2	16
21-Jul-19	106	129	6	8
22-Jul-19	30	33	3	3
23-Jul-19	126	115	7	10
24-Jul-19	135	140	3	14
25-Jul-19	95	102	32	2
26-Jul-19	140	185	13	6
27-Jul-19	90	110	15	8
28-Jul-19	85	180	50	4
29-Jul-19	89	97	56	4
30-Jul-19	155	170	1	8
31-Jul-19	115	110	68	2
Total	3338	3865	561	229

Aug-19

Date	yellow Kgs	RED Kgs	Blue Kgs	Sharp's can
01-Aug-19	135	120	40	4
02-Aug-19	113	110	29	5
03-Aug-19	90	115	9	6
04-Aug-19	110	135	70	2
05-Aug-19	50	95	55	6
06-Aug-19	119	128	29	3
07-Aug-19	118	123	27	5
08-Aug-19	128	140	32	3
09-Aug-19	113	125	39	5
10-Aug-19	97	140	41	10
11-Aug-19	125	145	35	10
12-Aug-19	39	51	46	2
13-Aug-19	110	120	30	8
14-Aug-19	220	130	50	9
15-Aug-19	145	135	15	12
16-Aug-19	51	79	11	0
17-Aug-19	129	138	29	2
18-Aug-19	167	190	54	22
19-Aug-19	129	105	8	1
20-Aug-19	139	162	42	11
21-Aug-19	110	145	40	4
22-Aug-19	110	98	21	8
23-Aug-19	130	150	15	3
24-Aug-19	117	114	27	10
25-Aug-19	110	130	50	10
26-Aug-19	38	42	19	1
27-Aug-19	155	75	12	16
28-Aug-19	152	198	11	9
29-Aug-19	110	90	40	16
30-Aug-19	136	148	36	21
31-Aug-19	125	135	30	15
Total	3620	3811	992	239

Annexure-1

M/s. FORTIS HOSPITALS LTD- Bannerhatta Road.

MONTH WISE GENERATION OF BIO-MEDICAL WASTE FOR THE YEAR 2019

For the period from 01-01-2019 to 31-12-2019

Month & Year	Ca.1,3,5 Yellow in Kg's	Cat.6 (Blue) in Kg's (Glassware)	Cat.7 (Red) in Kg's	Cat.4 (White-PPC) in Kg's
January-2019	3875	922	4371	307
February-2019	3537	638	4138	311
March-2019	3838	1000	4249	262
April-2019	3453	910	3959	265
May-2019	3192	838	4008	274
June-2019	3583	1019	4140	292
July-2019	3338	561	3865	229
August-2019	3620	992	3811	239
September-2019	4154	1504	5206	328
October-2019	3219	884	3723	150
November-2019	3430	1288	4209	198
December-2019	3471	1486	4988	259
TOTAL	42710 Kg's	12042 Kg's	50667 Kg's	3114 Kg's