

### Mohali

### **Fortis Hospital**

Sector 62, Phase-VIII Mohali - 160 062

Tel.: 91-172-469-2222, 91-172-502-1222 Fax: 91-172-4692221, 91-172-509-6221 E-mail: contactus.mohali@fortishealthcare.com

Website: www.fortishealthcare.com

To

The Environmental Engineer,

Punjab Pollution Control Board,

Plot No. 55, Phase 2,

S. A. S. Nagar (Mohali).

RECI RECI

Date 22.01.2021

Sub: Submission of Annual Bio-Medical Waste Report FY 2020 (1st Jan 2020 to 31st Dec 2020)

Dear Sir,

Please find enclosed the Annual Bio-Medical Report for the year 2020 with below mentioned enclosures.

- 1. Annual Report Form IV
- 2. Accident Reporting Form 1
- 3. Annexure -1 for Biomedical waste details month wise for the year 2020

With Best Regards

Authorized Signatory

For Fortis healthcare Ltd., Mohali





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## 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)]

SI.	Particulars	7	
1.	Particulars of the Occupier	+	
	(i) Name of the authorised person (occupier or operator of facility)	:	Abhirt Singh.
	(ii) Name of HCF or CBMWTF	1:	Foots Healthcare Ltd.
	(iii) Address for Correspondence	1:	
	(iv) Address of Facility	<del> </del>	Clo Fosts hospital, Sector6
	(v)Tel. No, Fax. No	ļ	Phorse-8, SAS Nagar Molali
	(vi) E-mail ID	1	0172-469222 NIL
	(vii) URL of Website	<del> </del>	abhigit singh @ Partis scalls care co
	(viii) GPS coordinates of HCF or CBMWTF	-	www FostisHealthcare Com
	(ix) Ownership of HCF or CBMWTF	<b>-</b>	NL-30.413832, EL 76.434924. (State Government or Private or
		ĺ	Semi Govt. or any other)
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: BMW/RENEWAL/SAS/2019/ 9276.266 valid up to 31/03/2024
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to: 3,/03/2021
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital		No. of Beds: 360
Ì	(ii) Non-bedded hospital	:	
	(Clinic or Blood Bank or Clinical Laboratory or		NA
	Research Institute or Veterinary Hospital or any other)	s 22	
	(iii) License number and its date of expiry		NA
3.	Details of CBMWTF		10/1
	(i) Number healthcare facilities covered by CBMWTF	:	NA
7	(ii) No of beds covered by CBMWTF	7	NA
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	Kg per day

Monde

	(iv) Quantity of biomedical waste treated by CBMWTF	ed or	disposed :	NIL I	(g/day		
•	Quantity of waste generated or disposannum (on monthly average basis)			White: Blue Ca	egory 250 tegory : Solid w	10057 05.35; 1838; vaste: 4	869.695/A 2.148/Ant 2/Annum 2.063/Am 7.197/Ann
	Details of the Storage, treatment, transp  (i) Details of the on-site storage facility	ortatio		150 -5 750 k on-site s	Sal Facil	lity(16) OF ay F	Apprix
	(iii) Details of the treatment or disposal facilities  (iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.  (iv) No of vehicles used for collection		Incinerator Plasma Pyr Autoclaves Microwave Hydroclave Shredder Needle tip destroyer Sharps encapsulati concrete pir Deep burial Chemical disinfection Any other t equipment: Red Category	s rolysis cutter or on or pits:	2.5	Cap acit y Kg/day	Quantity treatedo r disposed in kg per annum
	and transportation of biomedical waste  (v) Details of incineration ash and		-	Quant	ity 🔥	24 Whe	re
	ETP sludge generated and disposed			genera	ited /	dispe	

Mondu

	I during the same of		
	during the treatment of wastes in Kg		Incineration
	per annum		Ash WIL
			ETP Sludge
	(vi) Name of the Common Bio- Medical Waste Treatment Facility	;	M/s Rainbow Environments At U.
	Operator through which wastes are		Und -Balyalikalan Tech-Chara Dist-Mehali, (PB)
	disposed of	1	A. F. Mehali (PR)
	(vii) List of member HCF not handed		
	over bio-medical waste.		-NA -
6	Do you have bio-medical waste		Yes
	management committee? If yes, attach		
	minutes of the meetings held during		Minutes of weekings Alfached
	the reporting period		
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on		40 rus
	BMW Management.		-10 hes
	(ii) number of personnel trained	7	474
	(iii) number of personnel trained at		
	the time of induction		76
	(iv) number of personnel not		
	undergone any training so far		NIL-
٠.	(v) whether standard manual for		
	training is available?		yes.
	(vi) any other information)		
8.	Details of the accident occurred		. 12 1
	during the year	-	NIL
	(i) Number of Accidents occurred		
ď,	(ii) Number of the persons affected		The second secon
	(iii) Remedial Action taken (Please		the second secon
	attach details if any)	Ì	
	(iv) Any Fatality occurred, details.		
9.	Are you meeting the standards of air		1101
*-	Pollution from the incinerator? How		900
	many times in last year could not met	-	(NIL)
	the standards?	-	$(\mathcal{N}\mathcal{U})$
	Details of Continuous online emission		
	monitoring systems installed		NLL
10	Liquid waste generated and treatment		Yes on Mys nooms and. Standreds
	methods in place. How many times		Yes the Mr horns an.
	you have not met the standards in a		
	year?		Standreds.
11	7 .1 11 .1		
11			Yes, Disinfection welled as per-
	sterilization meeting the log 4		noons are followed.

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	standards? How many times you have not met the standards in a year?		NIL
12	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator)
			memerator)

Certified that the	above report	is for the	period from
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1st January 2020 to 31st December 2020

Name and Signature of the Head of the Institution Fortis Hospital Sector-62, Phase VIII, Mohali

Date: 22/01/2021 Place Mehour

# FORM – I [See rule 4(o), 5(i) and 15(2)]

# ACCIDENT REPORTING

1.	Date and time of accident	;	Needle Stille Myury (Asper America II)
2.	Type of Accident	;	Needle-Sticle/yung.
3.	Sequence of events leading to accident		During Segregiation procedual.
4.	Has the Authority of been informed immediatel	у:	NIL
5.	The type of waste involved in accident	ζ,	NIL
6.	Assessment of the effects of the accidents on human health and the environment		For Safety Vaccinations dave
7.	Emergency measures taken		Training provided with fest to all
8.	Steps taken to alleviate the effects of accidents	1	Procedural Trainings (Sith PRE on Segregration
9.	Steps taken to prevent the recurrence of such an accident		Continues Crainings.
10.	Does you facility has Emergency Control policy If yes, give details any Kind of Emerg	er.	Mospital has ERT/ hazmat Team todeal.
Dat	te 92/01/2021		Signature Alland Can
Pla	ce Mohali.		Designation Zonal Director Fortis Hospital Sector-62, Phase-VIII, Mohali
			Mande

# NEEDLE STICK INJURY 2020

I		1	Procedural	ιŊ	3	1	2	2			3	2	2		3	23	
1	Incidence Needle Stick	y .	After use before disposal										Н			-	
1	ide	Injury	Asslq2							П					П	7	
1	nc	Ir	- gniqsJ-9A				-		4	1					2	7	
1	~ 2	-	Wrong segretation	9	5	3	2	3			1		3	Н	Н	25	
ſ	<b>.</b>		- НК	7	П	Н	1							Н		5	ď
1	Categories of Needle Stick		əənisıT												1	-	
	orie S	Injury	Technician			2002							1			~	
Ì	egc	Inj	CDA	C)	2	Н							7			7	
1	Cat		əsruM	I.C.	.20	Н	3	3	4	1	3	2	2		2	32	
l	131		Doctor	3	2	€		2		1	1		Н		П	12	
			dТS			1										<b>'-</b>	
			9geinT			2	1								. [	2	
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	1	ξ.	SAJ HTAD								7		1			<b></b>	
	, <u>,</u> <u>,</u> <u>,</u>	, (m	TO OHTAO		Н				14 15							<b>~</b> -	
7		4	TOSM	3	Н	Н	Н				1	2			н	8	
SHERINGONI	Area Distribution of Meedle Stick Injury (2020)		elcn	-	2				1			П	1			OD!	_
3	4	1	NISCU				-	2			Н		1		Н	r)	,
7	900	,	NICO							-	Н					~	
	Z	_	MICO	<u>, , , , , , , , , , , , , , , , , , , </u>	Н	1	Н	Н	1				2			$\infty$	
LEDDE			SPICU		Н	П					V. 144 155					2	
	110		CCU	-				Н		7			Н	~~~	8	8	
4			USIAT	-									101			<b></b>	
	c tr		TM8					Ц.								· —	
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		7	4A basW	1		In.			Н							-	
1	4	<b>C</b>	EA breW		П		. 72									+	
1			SA breW		Н		Н		Н		,	Н				2	
1			IA bieW	Ţ.										~		2	
			No. of Injury	1-1	8	4	4	5	4	2	4	2	9	-	7	.58	
			Month	January	February	March	April	May	June	July	August	September	October	November	December	Total	
		*	S. N.	, F	2	3	4	5	9	7	∞	6	10	11	12		



Fortis Hospital Sector 62, Phase-VIII Mohali - 160 062

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Website: www.fortishealthcare.com

# **ANNEXURE - 1**

Name of the Hospital

: Fortis Hospital Limited (Fortis Healthcare Limited)

Address of the Hospital

: Mohali- Phase-8, Sector 62, SAS Nagar, Mohali.

Year

: 2020

# Details of Category wise, Biomedical Waste. (Kgs.)

Month	YELLOW	Bag	RED	Bag	BLUE	Bag	WHITE	Bag	OTHER/	Bag
JANUARY	6385.530	1509	9814.975	1810	1913.385	214	267.520	171	192.280	20
FEBURY	6601.935	1512	8951.495	1634	2493.755	258	275.070	185	153.565	30
MARCH	5882.170	1259	8476.190	1503	1643.825	193	248.170	161	200.880	26
MARCH (COVID 19)	175.465	50	19.930	8	7.695	1	0.475	1	0.000	0
APRIL	3185.865	876	4557.465	901	718.770	96	103,775	67	103,465	24
April (COVID 19)	948.101	354	240.845	107	47.598	11	17.901	12	0	0
May	3996.828	1244	5607.268	1173	1011.608	. 121	153:876	89		
MAY (COVID 19)	939.029	357	379.838	143	59.705	. 11	16.393		140.159	28
JUNE	5547.55	1481	7231.604	1407	1276.808	156	207.057	10	0	0
JUNE (Covid 19)	535.984	180	269.446	84	61.010	11	8.952	120	144.69	26
JULY	5441.492	1584	7592.594	1585	1471.808	187	171.994		0	0
JULY (Covid19)	1192.619	430	592.306	205	63.921	14	15.498	128	162.306	32
AUGUST	4624.594	1350	6314.200	1438	1193.107	161	144.887	13	157.946	27
August (Covid 19)	2498.757	870	1495.775	484	119.010	17	44.571	29	0	0
SEPTEMBER	4617.710	1354	5966.109	1316	1055.029	133	122.336			
September (Covid 19)	3993.756	1495	2508.518	875	189.904	28		82	184.482	28
OCTOBER	5777.486	1579	7578.694	1481	1452.849	168	49.552	28	0	0
OCTOBER (COVID 19)	4525.867	1706	2577.187	902	269.625	37	193.301	110	200.285	36
NOVEMBER	5252.356	1522	6833.955	1442	1447.707	171	61.5461	38	0	0
NOVEMBER (COVID 19)	3222.455	1280	3109.032	1028	189.169	29	74.943	78	168.939	26
DECEMBER	5344.367	1755	7835.446	1652	1566.55	CONTRACTOR CONTRACTOR		33	0 .	0
DECEMBER (COVID 19)	2979.779	1233	2619.276	928	129,225	194	171.012	115	168.322	27
TOTAL	83669.695	24980	100572.148	22106			42.486	2,5	0	0_
Average waste per Month	3803.168	1135	4571.461	1005	18382.063	2229	2505.352	1603	1977.319	354
verage waste per lay	229.232	.68	275.540	61	835.548 50.362	101	113.880 6.864	73	89.878 5.417	16 1

After generation, Segregation, Collection & Storage of Bio-Medical Waste, handed over to Authorized outsourced Agency M/s Rainbow Environment Lyt. Ltd., Village Balyali, Mohali for treatment & disposal as per PPCB norms.

A UNIT OF FORTIS HEALTHCARE LIMITED

Regd. Office: Fortis Hospital, Sector 62, Phase - VIII, Mohali - 160062 CIN No.: L85110DL1996PLC076704



### MINUTES OF MEETING

### FHM-BMW COMMITTEE (23 Jan 2020)

NAME OF UNIT - Fortis Hospital Mohali

Venue- Meeting Room 3rd Floor

NAME OF COMMITTEE: Bio-Medical Waste Committee

- 1. Date & Time: 23.1.2020 (3pm 4pm)
- 2. Total no. of Members present in the meeting: 7
- 3. Agenda circulated prior to meeting (Yes/No): Yes

### List of Attendees:

- 1. Dr Anita Sharma-Infection Control Officer, Lab Head -BMW Chairperson
- 2. Rajbir Kaur DCNO
- 3. Rajesh Sharma- Housekeeping Head
- 4. Neeraj Tandon Engineering Head
- 5. Brigit Bosco -ICN
- 6. Kiranpreet Kaur-ICN

### **AGENDA**

1. Update on the progress made from the last minutes of meeting.

### New Additions / Concerns

- Waste segregation –a matter of concern especially sharp waste disposal.
- Sharp etiquette –not being followed by staff.
- Any statutory compliances to be followed in the coming months-Mr. Neeraj to apprise.
- Vaccination status-Ongoing
- Mandatory training on BMW -Compilance
- Bilyali visit.
- Medication tray-not being followed by staff in ICU and ward
- Hub cutter-Training on how to mutilate needles

The following points were discussed and responsibilities and timelines were agreed as in the table below.

S.No.	Issues	Discussion	Responsibility	Expected Closure Date	Remarks
Issues	from previou	s meeting		T Closure Date	
1	Status on Non-	All bags are now	NT	31st Jan	Closed
		non-chlorinated		2019	
	chlorinated				
	bags	ones used in			A
		blood bank and			
	1	Path Lab. This is	dies (see )		
		because non-			
		chlorinated			
		bags are unable	11 pc		
		to withstand			
		autoclaving.			
	-	Need further			
		clarification			
		from PPCB on			
		the same.			
		Would need list			
		of vendors from			
		where			
		autoclave			
		friendly non-			
		chlorinated			
		bags can be			
		procured.			
	Shortage	It was			
	of	The second second	Nursing	31 <sup>st</sup> March	Completed/Closed
	hubcutters	highlighted that	Teams/	2019	
=	nuocotters	shortage of hub	Purchase/Ms		
		cutters is	Jaspreet Kaur	1	
		frequently			
		reported from		1	
a l		Nursing			
		stations. There		and the second	
1		is no prior			
	-	information			
		from our stores			
		on impending			
-		shortage. Bigger		* . 4	
1		hub cutters to			
		be mounted in			
		DU for usage			
		when there are			
		supplies issues			
		with the smaller			
- 1	(4)	ones.			

3	Status of	ETP is fully	NT	March 2019	Completed
	ETP	functional.	- "		
		All hazardous	e .		
		chemicalis	9		
		being treated			
		via ETP			
4	Mutilation	Education, Re-	Nursing	Continuous	Ongoing. Scissors
	of	enforcement	Team/ICNs		are in place.
	gloves/IV	and continuous			A particular
	tubings	monitoring			
	/bottles	Scissors to be	The state of the s		
	etc.	procured	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
5	Guidewires	Guidewires and	IC/Nursing	With	Communicated to
	& trochars	trochars will be	Teamş	immediate	nursing teams.
	-Disposal	discarded in		effect	Closed
		cardboard box		200	
		as they are	the second		
		metallic in	W. Americanistic Color		,
		nature. They are	Department of the second		
	,	a mis-flt for	CONTROL OF		
	200	sharp boxes.			
		The House			
		agreed on the			
		same.	A state		
		201110			
6.	TT & HBV	Vaccination-	IC Team/	Ongoing	Chicken Pox
	Status	Registers in the	Nursing		vaccination/previous
		areas to be	Incharges		history added to
		updated with			nursing vaccination
		new joiners and		· I	registers.
		doctors.		1	
		Chicken pox			
		status to be			
		added.			
7.	Training on	Re-	IC Team/	Ongoing	
	Hub	enforcement/on	Nursing	0.1601116	
	Cutters	hands tranining	Incharges		
	Cutters	on Hub cutters	menerges -		
New A	dditions/ Con		<u> </u>		
1	Bilyali Visit	Representatives	NT/ICNs	June 2019	CLOSED
7	0.1,011	from IC Team,	11.77.5.15	20110 2020	0.0000
		Engg earlier this			
		morning.			
		Observations			
		from the visit			
		were shared			
		with the group.			
		Glass waste was			
	Seeday (1) you	being received		-	
		in puncture			
	F - 1	proof		121	

		containers contrary to PPCB guidelines.			
2	Waste Handling •	BMW committee recommended heavy duty gloves to be worn for handling of waste. However latex gloves can be used In	HK/IC	With immediate effect	Closed
3.	Treatment of hazardous chemicals	transit  All hazardous waste is being treated via ETP. Concerns were raised for Cidex. The committee was assured that this being neutralised using glycine at the point of generation e.g. Endoscopy.	Engg/IC Team	Ongoing	Closed

Date and Time of Next Meeting: To be arranged in the month of JULY 2020

Signature of Chairman and Secretary

Dr Anita Sharma

(Chairman)

(Secretary)

### MINUTES OF MEETING

# FHM-BMW COMMITTEE (16th August 2019)

NAME OF UNIT - Fortis Hospital Mohali

Venue- Meeting Room 3rd Floor

NAME OF COMMITTEE: Bio-Medical Waste Committee

- 1. Date & Time: 16.8.2019 (3pm 4pm)
- 2. Total no. of Members present in the meeting: 7
- 3. Agenda circulated prior to meeting (Yes/No): Yes

### List of Attendees:

- 1. Dr Anita Sharma-Infection Control Officer, Lab Head -BMW Chairperson
- 2. Rajbir Kaur DCNO
- 3. Rajesh Sharma- Housekeeping Head
- 4. Neeraj Tandon Engineering Head
- 5. Jyoti Sharma-ICN
- 6. Kiranpreet Kaur-ICN
- 7. Sonam-ICN

### **AGENDA**

- 1. Update on the progress made from the last minutes of meeting.
- 2. ETP-Progress

### New Additions / Concerns

- · Streamlined BMW Audit Process.
- Bilyali Visit
- New Hub cutters –Shortage and Quality of hub cutters.
- Implementation of medication tray for improvement of BMW Segregation at the bedside-In progress
- · Sharps Management-Improvement in disposal of guide-wires and torcher

The following points were discussed and responsibilities and timelines were agreed as in the table below.

S.No.	Issues	Discussion	Responsibility	Expected Closure Date	Remarks
Issues	from previou	s meeting		Ciosure Date	L
1	Status on	All bags are	NT ·	31st Jan 2019	Closed
	Non-	now non-		212(1911 5013	Closed
	chlorinated				5 0
	bags	apart from the			
		ones used in			
		blood bank and			
		Path Lab. This is			
	1	because non-			
	- 11 27 1	chlorinated	The state of the s		
		bags are unable			
	Í	to withstand			
		autoclaving.			
		Need further			
		clarification	200		
		from PPCB on			
	100	the same.		1	
		Would need list			
		of vendors from			
		where			
		autoclave			
11		friendly non- chlorinated		2 2	10.00
			. 4		
		bags can be			
	Shortage	procured.			
	of	It was	Nursing	31 <sup>st</sup> March	Completed/Closed
8 1	hubcutters	highlighted that	Teams/	2019	
	nuocutters	shortage of hub	Purchase/Ms		
	59	cutters is	Jaspreet Kaur		
		frequently	×.		
		reported from			
		Nursing		200	
-		stations. There		100	
- [	- Table	is no prior			
		information	-		
		from our stores			120
		on impending			
		shortage.		· Commonwa AV	
	1	Bigger hub		i i i i i i i i i i i i i i i i i i i	
		cutters to be			

	T	mounted in DU			
		for usage when there are		į	
-					4
-		supplies issues			
		with the			
3		smaller ones.			*
3	Status of	ETP is fully	NT	March 2019	Completed
	ETP	functional.			Completed
		All hazardous			
		chemical is			
		being treated			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	via ETP			
4	Mutilation		Nursing -	Continuous	Ongoing. Scissors
	of	enforcement	Team/ICNs		origoning. Scissors
	gloves/IV	and continuous			are in place.
	tubings	monitoring			
	/bottles	Scissors to be			
	etc.	procured			
5	Guidewires	Guidewires and	IC /Nursing	100	
	& trochars	trochars will be	Teams	With	Communicated to
	-Disposal	discarded in	1 carris	immediate	nursing teams.
		cardboard box		effect	Closed
	T AMERICA	as they are	l i		
		metallic in			
		nature. They			
		are a mis-fit for			
					and the second s
		sharp boxes.			
		The House			
		agreed on the			
		same.			
5.	+======================================			1	
).	TT & HBV	Vaccination	IC Team/	Ongoing	Chicken Pox
	Status	Registers in the	Nursing		The state of the s
		areas to be	Incharges		vaccination/previou
		updated with			history added to
		new joiners and			nursing vaccination
		doctors.	8		registers.
		Chicken pox		2	
		status to be			*
		added.			2
ew Ad	ditions/ Conc	erns			
	Bilyali Visit		NT/ICNs	luna 2010	
		from IC Team,	IVI/ICIVS	June 2019	Next Visit due in Dec
		Engg earlier this			2019
1		morning.			
	1.0	morning.			
The second secon		Observations	8		
		Observations from the visit			
		Observations from the visit were shared			*
		Observations from the visit were shared with the group.			
		Observations from the visit were shared			**

- II S.(67.75.E.	1				
		received in			
		puncture proof			
		containers			
	g _ len	contrary to			
		PPCB			
	•	guidelines.			A P
2	Waste	BMW	HK/IC	With	Paylou Cart 2010
	Handling	committee		immediate	Review Sept 2019
		recommended		effect	
		heavy duty			
		gloves to be			
		worn for			
		handling of			
		waste.			THE COLUMN TO TH
		However latex			
		gloves can be			
		used in transit			
3.	Treatment	All hazardous	Engg/IC Team	Ongoing	CI
	of	waste is being	- PRI LC LCGIII	Ougoing	Closed
	hazardous	treated via ETP.			
	chemicals	Concerns were			
		raised for			
-		Cidex. The			
1		committee was	AND THE PROPERTY OF THE PROPER		
Total Control		assured that			
1		this being			
		neutralised	İ		
		using glycine at			
		the point of			
		generation e.g.			
		Beneration C.S.		1	

Date and Time of Next Meeting: To be arranged in the month of Dec 2019

Signature of Chairman and Secretary

Dr Anita Sharma

(Chairman)

15

(Secretary)

March