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24th June 2024

To,
The Karnataka State Pollution Control Board,
Plot No. 42(B -2),
Naubad Industrial Area,
BIDAR – 585 402.

Sub: Submission of Bio medical waste annual returns in FORM-IV for the calendar year 2023, M/s Sai Life Sciences Limited., Unit-IV, plot No.79A,79B, 80A, 80B, 81A, 82 &130A, Kolhar industrial area, Bidar Taluk and District-585403,Karnataka State.

Ref: Biomedical management rules-2016.

Respected Sir,

With reference to the above subject, we are here by submitting the details of biomedical waste annual returns in FORM-IV for the year 2023.Please find the enclosed annexures in hard copy with respect to the above cited subject.

Enclosed Annexure: Form-1V (Biomedical waste annual report).
Annexure 1.Summary of biomedical waste disposed.
Annexure 2. Biomedical waste management committee meetings.
Annexure 3. Biomedical waste management training attendance.
Annexure 4. Biomedical waste management SOP

Kindly acknowledge receipt for the same.

Thanking you,

Yours faithfully,

For Sai Life Sciences Limited,

SAI LIFE SCIENCES LTD. BIDAR UNIT-IV

Authorized Signatory.

Cc To: The Member secretary, KSPCB, Parisara bhavan, Church street Bangalore- 560001.

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-2023 to December-2023 of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF).

<table>
<tr><td>S.No</td><td colspan="2">Particulars</td></tr>
<tr><td rowspan="11">1.</td><td colspan="2">Particulars of the Occupier :</td></tr>
<tr><td>(i) Name of the authorized person
(occupier or operator of facility)</td><td>Mr. MV Anjaneyulu (AGM – HSE)
Mail Id : environment_u4@sailife.com
Phone No: 9108924038</td></tr>
<tr><td>(ii) Name of HCF or CBMWTF</td><td>M/s. SAI LIFE SCIENCES LIMITED</td></tr>
<tr><td>(iii) Address for Correspondence</td><td>Sai Life Sciences Ltd.,
Unit – IV,
Plot No.79A,79B, 80A, 80B, 81A ,82 & 130A,
Kolhar Industrial Area,
Taluk : Bidar
District : Bidar
Pin code : 585403.</td></tr>
<tr><td>(iv) Address of Facility</td><td>Plot No. 79A,79B, 80A, 80B, 81A ,82 & 130A,
Kolhar Industrial Area,
Taluk : Bidar
District : Bidar
Pin code: 585403.</td></tr>
<tr><td>(v)Tel. No, Fax. No</td><td>08482-232239 , 08482232239, MOB: 9108924038</td></tr>
<tr><td>(vi) E-mail ID</td><td>environment_u4@sailife.com</td></tr>
<tr><td>(vii) URL of Website</td><td>www.sailifesciences.com</td></tr>
<tr><td>(viii) GPS coordinates of HCF or CBMWTF</td><td>
<table>
<tr><th>Sl. No.</th><th>Co-ordinates</th><th>Directions</th></tr>
<tr><td>A</td><td>17° 54.429'N and 77° 27.642'E</td><td>South West</td></tr>
<tr><td>B</td><td>17° 54.390'N and 77° 27.695'E</td><td>South</td></tr>
<tr><td>C</td><td>17° 54.422'N and 77° 27.906'E</td><td>South East</td></tr>
<tr><td>D</td><td>17° 54.470'N and 77° 27.902'E</td><td>North East</td></tr>
<tr><td>E</td><td>17° 54.472'N and 77° 27.855'E</td><td>North East</td></tr>
<tr><td>F</td><td>17° 54.454'N and 77° 27.854'E</td><td>North East</td></tr>
<tr><td>G</td><td>17° 54.489'N and 77° 27.816'E</td><td>North East</td></tr>
<tr><td>H</td><td>17° 54.514'N and 77° 27.845'E</td><td>North East</td></tr>
<tr><td>I</td><td>17° 54.559'N and 77° 27.753'E</td><td>North</td></tr>
</table>
</td></tr>
<tr><td>(ix) Ownership of HCF or CBMWTF</td><td>Private (HCF)</td></tr>
<tr><td>(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules</td><td>Authorization No.: 50EO/BDR/BMW/2016-17/485
Valid up to: One time Authorization.</td></tr>
</table>

	(xi). Status of Consents under Water Act and Air Act.	Consent order no: AW-332061 Valid up to: 30-June-2026
2.	Type of Health Care Facility	
	(i) Bedded Hospital	OHC (Occupational Health center)
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary hospital or any other)	Microbiology Lab
	(iii) License number and its date of expiry	Authorization No.: 50 EO/BDR/BMW/2016-17/485. Valid up to: One time Authorization.
3.	**Details of CBMWTF**	
	(i).Number healthcare facilities covered by CBMWTF	N/A
	(ii). No of beds covered by CBMWTF	N/A
	(iii). Installed treatment and disposal capacity of CBMWTF:	N/A
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	N/A
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category : **2482.3 Kgs / Annum or 6.80 Kgs/Day (refer to annexure-1).** Red Category : Nil White : Nil Blue Category : Nil General Solid waste : Nil
5.	**Details of the Storage, treatment, transportation, processing and Disposal Facility**	
	(i) Details of the on-site storage facility	Size : Dedicated storage room provided for Biomedical waste. Capacity: Adequate storage facility provided. Provision of on-site storage : (cold storage or any other provision) - N/A
6.	Disposal facilities	Type of treatment equipment / No of units / Capacity Kg/day / Quantity treated or disposed in Kg per annum Incinerators Plasma Pyrolysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or

		Destroyer – N/A Sharps encapsulation concrete pit - N/A Deep burial pits: Chemical disinfection: - N/A Any other treatment equipment: N/A
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	N/A
	(iv) No of vehicles used for collection and transportation of biomedical waste	N/A
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	**Quantity generated where disposed** Incineration Ash - N/A ETP Sludge - N/A
	(vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of	ENVIRO BIOTECH, SY NO.19, Dhanura Village (Rodnoor), Balki Tq, Bidar Dist.
	(vii) List of member HCF not handed over bio-medical waste.	N/A
7.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period.	Yes, we have conducted half –yearly BMW committee meeting, refer to annexure-2.
8.	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management.	02 - Attached training attendance sheet,
	(ii) number of personnel trained	15 (Attached as annexure-3).
	(iii) number of personnel trained at the time of induction	04 Members
	(iv) number of personnel not undergone any training so far	NA
	(v) whether standard manual for training is available?	Yes; SOP is available - SOP No: 07-56. (Biomedical waste management) , refer to annexure-4
	(vi) any other information)	N/A
9.	Details of the accident occurred during the year	No accidents occurred.
	(i) Number of Accidents occurred	NIL
	(ii) Number of the persons affected	NIL
	(iii) Remedial Action taken (Please attach details if any)	N/A
	(iv) Any Fatality occurred, details.	NIL

10.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	N/A
11.	Details of Continuous online emission monitoring systems installed	N/A
12.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	N/A
13.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	N/A
14.	Any other relevant information	(Air Pollution Control Devices attached with the Incinerator) - N/A

Certified that the above report is for the period from **January-2023 to December -2023**

Date: 25-Jun-2024
Place: Bidar

Name and Signature of the Head of the Institution / Industry

Annexure-1

Biomedical waste disposed for the year 2023.

Sai Life Sciences Limited
Unit-IV

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ANNEXURE-1

SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

Sr.No	Date	Disposed quantity in Kgs	Category	Name of the disposal facility
1	01-Jan-23	8.0	Yellow	Enviro Biotech
2	02-Jan-23	9.0	Yellow	Enviro Biotech
3	03-Jan-23	6.0	Yellow	Enviro Biotech
4	04-Jan-23	0.0	Yellow	Enviro Biotech
5	05-Jan-23	9.0	Yellow	Enviro Biotech
6	06-Jan-23	5.0	Yellow	Enviro Biotech
7	07-Jan-23	10.0	Yellow	Enviro Biotech
8	08-Jan-23	9.0	Yellow	Enviro Biotech
9	09-Jan-23	10.0	Yellow	Enviro Biotech
10	10-Jan-23	10.0	Yellow	Enviro Biotech
11	11-Jan-23	9.0	Yellow	Enviro Biotech
12	12-Jan-23	9.0	Yellow	Enviro Biotech
13	13-Jan-23	7.0	Yellow	Enviro Biotech
14	14-Jan-23	9.0	Yellow	Enviro Biotech
15	15-Jan-23	10.0	Yellow	Enviro Biotech
16	16-Jan-23	9.0	Yellow	Enviro Biotech
17	17-Jan-23	10.0	Yellow	Enviro Biotech
18	18-Jan-23	9.0	Yellow	Enviro Biotech
19	19-Jan-23	9.0	Yellow	Enviro Biotech
20	20-Jan-23	10.0	Yellow	Enviro Biotech
21	21-Jan-23	9.0	Yellow	Enviro Biotech
22	22-Jan-23	6.0	Yellow	Enviro Biotech
23	23-Jan-23	9.0	Yellow	Enviro Biotech
24	24-Jan-23	9.0	Yellow	Enviro Biotech
25	25-Jan-23	7.0	Yellow	Enviro Biotech
26	26-Jan-23	9.0	Yellow	Enviro Biotech
27	27-Jan-23	0.0	Yellow	Enviro Biotech
28	28-Jan-23	9.0	Yellow	Enviro Biotech
29	29-Jan-23	9.0	Yellow	Enviro Biotech
30	30-Jan-23	8.0	Yellow	Enviro Biotech
31	31-Jan-23	10.0	Yellow	Enviro Biotech
32	01-Feb-23	9.0	Yellow	Enviro Biotech
33	02-Feb-23	3.0	Yellow	Enviro Biotech
34	03-Feb-23	10.0	Yellow	Enviro Biotech
35	04-Feb-23	10.0	Yellow	Enviro Biotech
36	05-Feb-23	7.0	Yellow	Enviro Biotech

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ANNEXURE-1
SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

37	06-Feb-23	9.0	Yellow	Enviro Biotech
38	07-Feb-23	7.0	Yellow	Enviro Biotech
39	08-Feb-23	9.0	Yellow	Enviro Biotech
40	09-Feb-23	0.0	Yellow	Enviro Biotech
41	10-Feb-23	6.0	Yellow	Enviro Biotech
42	11-Feb-23	8.0	Yellow	Enviro Biotech
43	12-Feb-23	8.0	Yellow	Enviro Biotech
44	13-Feb-23	7.0	Yellow	Enviro Biotech
45	14-Feb-23	8.8	Yellow	Enviro Biotech
46	15-Feb-23	7.0	Yellow	Enviro Biotech
47	16-Feb-23	6.0	Yellow	Enviro Biotech
48	17-Feb-23	8.0	Yellow	Enviro Biotech
49	18-Feb-23	6.0	Yellow	Enviro Biotech
50	19-Feb-23	8.0	Yellow	Enviro Biotech
51	20-Feb-23	8.0	Yellow	Enviro Biotech
52	21-Feb-23	9.0	Yellow	Enviro Biotech
53	22-Feb-23	9.0	Yellow	Enviro Biotech
54	23-Feb-23	7.0	Yellow	Enviro Biotech
55	24-Feb-23	9.0	Yellow	Enviro Biotech
56	25-Feb-23	5.0	Yellow	Enviro Biotech
57	26-Feb-23	9.0	Yellow	Enviro Biotech
58	27-Feb-23	7.0	Yellow	Enviro Biotech
59	28-Feb-23	9.0	Yellow	Enviro Biotech
60	01-Mar-23	8.0	Yellow	Enviro Biotech
61	02-Mar-23	10.0	Yellow	Enviro Biotech
62	03-Mar-23	6.0	Yellow	Enviro Biotech
63	04-Mar-23	7.0	Yellow	Enviro Biotech
64	05-Mar-23	8.0	Yellow	Enviro Biotech
65	06-Mar-23	9.0	Yellow	Enviro Biotech
66	07-Mar-23	8.0	Yellow	Enviro Biotech
67	08-Mar-23	9.0	Yellow	Enviro Biotech
68	09-Mar-23	6.0	Yellow	Enviro Biotech
69	10-Mar-23	6.0	Yellow	Enviro Biotech
70	11-Mar-23	6.0	Yellow	Enviro Biotech
71	12-Mar-23	9.0	Yellow	Enviro Biotech
72	13-Mar-23	8.0	Yellow	Enviro Biotech
73	14-Mar-23	10.0	Yellow	Enviro Biotech
74	15-Mar-23	7.0	Yellow	Enviro Biotech
75	16-Mar-23	9.0	Yellow	Enviro Biotech

ANNEXURE-1
SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

76	17-Mar-23	7.0	Yellow	Enviro Biotech
77	18-Mar-23	6.0	Yellow	Enviro Biotech
78	19-Mar-23	10.0	Yellow	Enviro Biotech
79	20-Mar-23	8.0	Yellow	Enviro Biotech
80	21-Mar-23	9.0	Yellow	Enviro Biotech
81	22-Mar-23	5.0	Yellow	Enviro Biotech
82	23-Mar-23	8.4	Yellow	Enviro Biotech
83	24-Mar-23	10.0	Yellow	Enviro Biotech
84	25-Mar-23	10.0	Yellow	Enviro Biotech
85	26-Mar-23	9.0	Yellow	Enviro Biotech
86	27-Mar-23	7.0	Yellow	Enviro Biotech
87	28-Mar-23	7.5	Yellow	Enviro Biotech
88	29-Mar-23	8.0	Yellow	Enviro Biotech
89	30-Mar-23	9.5	Yellow	Enviro Biotech
90	31-Mar-23	7.0	Yellow	Enviro Biotech
91	01-Apr-23	7.0	Yellow	Enviro Biotech
92	02-Apr-23	9.5	Yellow	Enviro Biotech
93	03-Apr-23	7.5	Yellow	Enviro Biotech
94	04-Apr-23	7.5	Yellow	Enviro Biotech
95	05-Apr-23	7.0	Yellow	Enviro Biotech
96	06-Apr-23	8.0	Yellow	Enviro Biotech
97	07-Apr-23	7.0	Yellow	Enviro Biotech
98	08-Apr-23	6.0	Yellow	Enviro Biotech
99	09-Apr-23	8.0	Yellow	Enviro Biotech
100	10-Apr-23	7.0	Yellow	Enviro Biotech
101	11-Apr-23	7.0	Yellow	Enviro Biotech
102	12-Apr-23	8.0	Yellow	Enviro Biotech
103	13-Apr-23	9.0	Yellow	Enviro Biotech
104	14-Apr-23	8.0	Yellow	Enviro Biotech
105	15-Apr-23	8.0	Yellow	Enviro Biotech
106	16-Apr-23	8.0	Yellow	Enviro Biotech
107	17-Apr-23	6.0	Yellow	Enviro Biotech
108	18-Apr-23	9.0	Yellow	Enviro Biotech
109	19-Apr-23	9.0	Yellow	Enviro Biotech
110	20-Apr-23	7.0	Yellow	Enviro Biotech
111	21-Apr-23	8.0	Yellow	Enviro Biotech
112	22-Apr-23	7.0	Yellow	Enviro Biotech
113	23-Apr-23	8.0	Yellow	Enviro Biotech
114	24-Apr-23	7.5	Yellow	Enviro Biotech

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ANNEXURE-1

SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

115	25-Apr-23	6.0	Yellow	Enviro Biotech
116	26-Apr-23	9.5	Yellow	Enviro Biotech
117	27-Apr-23	6.0	Yellow	Enviro Biotech
118	28-Apr-23	7.5	Yellow	Enviro Biotech
119	29-Apr-23	7.5	Yellow	Enviro Biotech
120	30-Apr-23	6.0	Yellow	Enviro Biotech
121	01-May-23	6.5	Yellow	Enviro Biotech
122	02-May-23	8.0	Yellow	Enviro Biotech
123	03-May-23	9.0	Yellow	Enviro Biotech
124	04-May-23	7.0	Yellow	Enviro Biotech
125	05-May-23	9.5	Yellow	Enviro Biotech
126	06-May-23	10.0	Yellow	Enviro Biotech
127	07-May-23	7.0	Yellow	Enviro Biotech
128	08-May-23	0.0	Yellow	Enviro Biotech
129	09-May-23	7.0	Yellow	Enviro Biotech
130	10-May-23	10.0	Yellow	Enviro Biotech
131	11-May-23	9.0	Yellow	Enviro Biotech
132	12-May-23	8.0	Yellow	Enviro Biotech
133	13-May-23	7.0	Yellow	Enviro Biotech
134	14-May-23	9.0	Yellow	Enviro Biotech
135	15-May-23	7.0	Yellow	Enviro Biotech
136	16-May-23	7.0	Yellow	Enviro Biotech
137	17-May-23	9.0	Yellow	Enviro Biotech
138	18-May-23	9.0	Yellow	Enviro Biotech
139	19-May-23	8.0	Yellow	Enviro Biotech
140	20-May-23	9.0	Yellow	Enviro Biotech
141	21-May-23	8.0	Yellow	Enviro Biotech
142	22-May-23	9.0	Yellow	Enviro Biotech
143	23-May-23	7.0	Yellow	Enviro Biotech
144	24-May-23	7.0	Yellow	Enviro Biotech
145	25-May-23	9.0	Yellow	Enviro Biotech
146	26-May-23	8.0	Yellow	Enviro Biotech
147	27-May-23	8.0	Yellow	Enviro Biotech
148	28-May-23	9.0	Yellow	Enviro Biotech
149	29-May-23	9.5	Yellow	Enviro Biotech
150	30-May-23	9.0	Yellow	Enviro Biotech
151	31-May-23	9.0	Yellow	Enviro Biotech
152	01-Jun-23	9.0	Yellow	Enviro Biotech
153	02-Jun-23	9.0	Yellow	Enviro Biotech

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ANNEXURE-1
SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

154	03-Jun-23	6.0	Yellow	Enviro Biotech
155	04-Jun-23	10.0	Yellow	Enviro Biotech
156	05-Jun-23	8.0	Yellow	Enviro Biotech
157	06-Jun-23	9.0	Yellow	Enviro Biotech
158	07-Jun-23	9.0	Yellow	Enviro Biotech
159	08-Jun-23	7.0	Yellow	Enviro Biotech
160	09-Jun-23	8.0	Yellow	Enviro Biotech
161	10-Jun-23	10.0	Yellow	Enviro Biotech
162	11-Jun-23	9.0	Yellow	Enviro Biotech
163	12-Jun-23	7.5	Yellow	Enviro Biotech
164	13-Jun-23	8.0	Yellow	Enviro Biotech
165	14-Jun-23	7.5	Yellow	Enviro Biotech
166	15-Jun-23	6.0	Yellow	Enviro Biotech
167	16-Jun-23	7.5	Yellow	Enviro Biotech
168	17-Jun-23	8.0	Yellow	Enviro Biotech
169	18-Jun-23	6.0	Yellow	Enviro Biotech
170	19-Jun-23	8.0	Yellow	Enviro Biotech
171	20-Jun-23	7.5	Yellow	Enviro Biotech
172	21-Jun-23	7.5	Yellow	Enviro Biotech
173	22-Jun-23	9.0	Yellow	Enviro Biotech
174	23-Jun-23	8.0	Yellow	Enviro Biotech
175	24-Jun-23	8.0	Yellow	Enviro Biotech
176	25-Jun-23	8.0	Yellow	Enviro Biotech
177	26-Jun-23	8.0	Yellow	Enviro Biotech
178	27-Jun-23	8.0	Yellow	Enviro Biotech
179	28-Jun-23	6.0	Yellow	Enviro Biotech
180	29-Jun-23	9.0	Yellow	Enviro Biotech
181	30-Jun-23	7.1	Yellow	Enviro Biotech
182	01-Jul-23	8.0	Yellow	Enviro Biotech
183	02-Jul-23	8.0	Yellow	Enviro Biotech
184	03-Jul-23	7.5	Yellow	Enviro Biotech
185	04-Jul-23	7.5	Yellow	Enviro Biotech
186	05-Jul-23	7.5	Yellow	Enviro Biotech
187	06-Jul-23	7.0	Yellow	Enviro Biotech
188	07-Jul-23	7.0	Yellow	Enviro Biotech
189	08-Jul-23	7.5	Yellow	Enviro Biotech
190	09-Jul-23	7.0	Yellow	Enviro Biotech
191	10-Jul-23	7.0	Yellow	Enviro Biotech
192	11-Jul-23	8.0	Yellow	Enviro Biotech

Sai Life Sciences Limited
Unit-IV

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ANNEXURE-1
SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

193	12-Jul-23	7.8	Yellow	Enviro Biotech
194	13-Jul-23	7.5	Yellow	Enviro Biotech
195	14-Jul-23	7.5	Yellow	Enviro Biotech
196	15-Jul-23	9.0	Yellow	Enviro Biotech
197	16-Jul-23	0.0	Yellow	Enviro Biotech
198	17-Jul-23	9.5	Yellow	Enviro Biotech
199	18-Jul-23	9.5	Yellow	Enviro Biotech
200	19-Jul-23	6.0	Yellow	Enviro Biotech
201	20-Jul-23	9.0	Yellow	Enviro Biotech
202	21-Jul-23	5.0	Yellow	Enviro Biotech
203	22-Jul-23	6.0	Yellow	Enviro Biotech
204	23-Jul-23	7.0	Yellow	Enviro Biotech
205	24-Jul-23	7.5	Yellow	Enviro Biotech
206	25-Jul-23	7.5	Yellow	Enviro Biotech
207	26-Jul-23	7.7	Yellow	Enviro Biotech
208	27-Jul-23	6.0	Yellow	Enviro Biotech
209	28-Jul-23	7.0	Yellow	Enviro Biotech
210	29-Jul-23	9.0	Yellow	Enviro Biotech
211	30-Jul-23	6.0	Yellow	Enviro Biotech
212	31-Jul-23	8.0	Yellow	Enviro Biotech
213	01-Aug-23	7.0	Yellow	Enviro Biotech
214	02-Aug-23	9.0	Yellow	Enviro Biotech
215	03-Aug-23	8.0	Yellow	Enviro Biotech
216	04-Aug-23	8.0	Yellow	Enviro Biotech
217	05-Aug-23	9.0	Yellow	Enviro Biotech
218	06-Aug-23	9.0	Yellow	Enviro Biotech
219	07-Aug-23	7.0	Yellow	Enviro Biotech
220	08-Aug-23	6.0	Yellow	Enviro Biotech
221	09-Aug-23	7.0	Yellow	Enviro Biotech
222	10-Aug-23	8.0	Yellow	Enviro Biotech
223	11-Aug-23	5.0	Yellow	Enviro Biotech
224	12-Aug-23	9.0	Yellow	Enviro Biotech
225	13-Aug-23	9.0	Yellow	Enviro Biotech
226	14-Aug-23	9.0	Yellow	Enviro Biotech
227	15-Aug-23	8.0	Yellow	Enviro Biotech
228	16-Aug-23	8.0	Yellow	Enviro Biotech
229	17-Aug-23	8.0	Yellow	Enviro Biotech
230	18-Aug-23	7.0	Yellow	Enviro Biotech
231	19-Aug-23	6.5	Yellow	Enviro Biotech

ANNEXURE-1
SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

232	20-Aug-23	9.0	Yellow	Enviro Biotech
233	21-Aug-23	7.0	Yellow	Enviro Biotech
234	22-Aug-23	9.0	Yellow	Enviro Biotech
235	23-Aug-23	8.0	Yellow	Enviro Biotech
236	24-Aug-23	9.0	Yellow	Enviro Biotech
237	25-Aug-23	6.0	Yellow	Enviro Biotech
238	26-Aug-23	5.0	Yellow	Enviro Biotech
239	27-Aug-23	7.5	Yellow	Enviro Biotech
240	28-Aug-23	7.0	Yellow	Enviro Biotech
241	29-Aug-23	6.0	Yellow	Enviro Biotech
242	30-Aug-23	7.0	Yellow	Enviro Biotech
243	31-Aug-23	8.0	Yellow	Enviro Biotech
244	01-Sep-23	8.0	Yellow	Enviro Biotech
245	02-Sep-23	3.0	Yellow	Enviro Biotech
246	03-Sep-23	6.0	Yellow	Enviro Biotech
247	04-Sep-23	5.5	Yellow	Enviro Biotech
248	05-Sep-23	6.0	Yellow	Enviro Biotech
249	06-Sep-23	9.0	Yellow	Enviro Biotech
250	07-Sep-23	9.0	Yellow	Enviro Biotech
251	08-Sep-23	9.0	Yellow	Enviro Biotech
252	09-Sep-23	6.0	Yellow	Enviro Biotech
253	10-Sep-23	4.0	Yellow	Enviro Biotech
254	11-Sep-23	6.0	Yellow	Enviro Biotech
255	12-Sep-23	7.0	Yellow	Enviro Biotech
256	13-Sep-23	4.0	Yellow	Enviro Biotech
257	14-Sep-23	2.0	Yellow	Enviro Biotech
258	15-Sep-23	6.0	Yellow	Enviro Biotech
259	16-Sep-23	7.0	Yellow	Enviro Biotech
260	17-Sep-23	4.0	Yellow	Enviro Biotech
261	18-Sep-23	5.0	Yellow	Enviro Biotech
262	19-Sep-23	6.0	Yellow	Enviro Biotech
263	20-Sep-23	7.5	Yellow	Enviro Biotech
264	21-Sep-23	5.0	Yellow	Enviro Biotech
265	22-Sep-23	8.0	Yellow	Enviro Biotech
266	23-Sep-23	4.0	Yellow	Enviro Biotech
267	24-Sep-23	6.0	Yellow	Enviro Biotech
268	25-Sep-23	7.5	Yellow	Enviro Biotech
269	26-Sep-23	4.0	Yellow	Enviro Biotech
270	27-Sep-23	6.0	Yellow	Enviro Biotech

Sai Life Sciences Limited
Unit-IV

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ANNEXURE-1

SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

271	28-Sep-23	2.0	Yellow	Enviro Biotech
272	29-Sep-23	5.0	Yellow	Enviro Biotech
273	30-Sep-23	2.0	Yellow	Enviro Biotech
274	01-Oct-23	5.0	Yellow	Enviro Biotech
275	02-Oct-23	6.0	Yellow	Enviro Biotech
276	03-Oct-23	6.0	Yellow	Enviro Biotech
277	04-Oct-23	6.0	Yellow	Enviro Biotech
278	05-Oct-23	4.0	Yellow	Enviro Biotech
279	06-Oct-23	5.0	Yellow	Enviro Biotech
280	07-Oct-23	4.0	Yellow	Enviro Biotech
281	08-Oct-23	4.0	Yellow	Enviro Biotech
282	09-Oct-23	2.0	Yellow	Enviro Biotech
283	10-Oct-23	5.0	Yellow	Enviro Biotech
284	11-Oct-23	0.0	Yellow	Enviro Biotech
285	12-Oct-23	8.0	Yellow	Enviro Biotech
286	13-Oct-23	6.0	Yellow	Enviro Biotech
287	14-Oct-23	7.5	Yellow	Enviro Biotech
288	15-Oct-23	4.0	Yellow	Enviro Biotech
289	16-Oct-23	6.0	Yellow	Enviro Biotech
290	17-Oct-23	4.0	Yellow	Enviro Biotech
291	18-Oct-23	4.0	Yellow	Enviro Biotech
292	19-Oct-23	6.0	Yellow	Enviro Biotech
293	20-Oct-23	0.0	Yellow	Enviro Biotech
294	21-Oct-23	6.0	Yellow	Enviro Biotech
295	22-Oct-23	8.0	Yellow	Enviro Biotech
296	23-Oct-23	8.0	Yellow	Enviro Biotech
297	24-Oct-23	4.0	Yellow	Enviro Biotech
298	25-Oct-23	4.0	Yellow	Enviro Biotech
299	26-Oct-23	4.0	Yellow	Enviro Biotech
300	27-Oct-23	4.0	Yellow	Enviro Biotech
301	28-Oct-23	8.0	Yellow	Enviro Biotech
302	29-Oct-23	4.0	Yellow	Enviro Biotech
303	30-Oct-23	8.0	Yellow	Enviro Biotech
304	31-Oct-23	5.0	Yellow	Enviro Biotech
305	01-Nov-23	4.0	Yellow	Enviro Biotech
306	02-Nov-23	4.0	Yellow	Enviro Biotech
307	03-Nov-23	4.0	Yellow	Enviro Biotech
308	04-Nov-23	8.0	Yellow	Enviro Biotech
309	05-Nov-23	4.0	Yellow	Enviro Biotech

ANNEXURE-1

SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

310	06-Nov-23	4.0	Yellow	Enviro Biotech
311	07-Nov-23	7.0	Yellow	Enviro Biotech
312	08-Nov-23	4.0	Yellow	Enviro Biotech
313	09-Nov-23	4.0	Yellow	Enviro Biotech
314	10-Nov-23	3.0	Yellow	Enviro Biotech
315	11-Nov-23	3.0	Yellow	Enviro Biotech
316	12-Nov-23	7.0	Yellow	Enviro Biotech
317	13-Nov-23	4.0	Yellow	Enviro Biotech
318	14-Nov-23	5.0	Yellow	Enviro Biotech
319	15-Nov-23	7.0	Yellow	Enviro Biotech
320	16-Nov-23	5.0	Yellow	Enviro Biotech
321	17-Nov-23	4.0	Yellow	Enviro Biotech
322	18-Nov-23	6.0	Yellow	Enviro Biotech
323	19-Nov-23	7.0	Yellow	Enviro Biotech
324	20-Nov-23	4.0	Yellow	Enviro Biotech
325	21-Nov-23	3.0	Yellow	Enviro Biotech
326	22-Nov-23	4.0	Yellow	Enviro Biotech
327	23-Nov-23	4.0	Yellow	Enviro Biotech
328	24-Nov-23	4.0	Yellow	Enviro Biotech
329	25-Nov-23	3.0	Yellow	Enviro Biotech
330	26-Nov-23	3.0	Yellow	Enviro Biotech
331	27-Nov-23	3.0	Yellow	Enviro Biotech
332	28-Nov-23	4.0	Yellow	Enviro Biotech
333	29-Nov-23	4.0	Yellow	Enviro Biotech
334	30-Nov-23	6.0	Yellow	Enviro Biotech
335	01-Dec-23	6.0	Yellow	Enviro Biotech
336	02-Dec-23	4.0	Yellow	Enviro Biotech
337	03-Dec-23	6.0	Yellow	Enviro Biotech
338	04-Dec-23	5.0	Yellow	Enviro Biotech
339	05-Dec-23	4.0	Yellow	Enviro Biotech
340	06-Dec-23	4.0	Yellow	Enviro Biotech
341	07-Dec-23	7.5	Yellow	Enviro Biotech
342	08-Dec-23	4.0	Yellow	Enviro Biotech
343	09-Dec-23	3.0	Yellow	Enviro Biotech
344	10-Dec-23	4.0	Yellow	Enviro Biotech
345	11-Dec-23	3.5	Yellow	Enviro Biotech
346	12-Dec-23	4.0	Yellow	Enviro Biotech
347	13-Dec-23	4.0	Yellow	Enviro Biotech
348	14-Dec-23	4.0	Yellow	Enviro Biotech

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ANNEXURE-1
SUMMARY OF BIOMEDICAL WASTE DISPOSED FOR THE YEAR 2023.

349	15-Dec-23	3.0	Yellow	Enviro Biotech
350	16-Dec-23	4.0	Yellow	Enviro Biotech
351	17-Dec-23	5.5	Yellow	Enviro Biotech
352	18-Dec-23	5.0	Yellow	Enviro Biotech
353	19-Dec-23	4.0	Yellow	Enviro Biotech
354	20-Dec-23	4.0	Yellow	Enviro Biotech
355	21-Dec-23	4.0	Yellow	Enviro Biotech
356	22-Dec-23	4.0	Yellow	Enviro Biotech
357	23-Dec-23	4.0	Yellow	Enviro Biotech
358	24-Dec-23	6.0	Yellow	Enviro Biotech
359	25-Dec-23	4.0	Yellow	Enviro Biotech
360	26-Dec-23	4.0	Yellow	Enviro Biotech
361	27-Dec-23	7.5	Yellow	Enviro Biotech
362	28-Dec-23	4.0	Yellow	Enviro Biotech
363	29-Dec-23	4.0	Yellow	Enviro Biotech
364	30-Dec-23	4.0	Yellow	Enviro Biotech
365	31-Dec-23	5.0	Yellow	Enviro Biotech

Quantity of Biomedical Waste (BMW) disposed in Year 2023: 2482.3 Kgs.

On average of BMW disposed/ Day: 6.8 Kgs.

Annexure-2

BMW committee meeting

Sai Life Sciences Limited
Unit-IV

MINUTES OF BIOMEDICAL WASTE MANAGEMENT COMMITTEE MEETING

Department: HSE, OHC and QC -Microbiology
Meeting date: 15-Jun-2023
Time: 13:45 TO 14:15

The following committee members were attended the meeting.

S. No	Name	Designation	Dept.	Role	Signature
1.	Dr.Basavaraj Dabke	OHC Doctor	Admin	BMWM Committee Chairman	15/Jun/2023
2.	Arvind.K	Dy.Manager	HSE	BMWM Secretary	15/JUN/2023
3.	Anjanayya Patri	Manager	Microbiology	BMWM committee Member	15/Jun/2023.
4.	Paulraj	Male Nurse	Admin	BMWM committee Member	15-Jun-2023
5.	Raghavendra.P	Assistant manager	HSE	BMWM committee Member	15-Jun-2023
6.	Erappa Reddy	Executive	HSE	BMWM committee Member	15-JUN-2023

Sai Life Sciences Limited
Unit-IV

STATUS OF BMW MANAGEMENT COMMITTEE MEETING

BMW Management committee meeting held on: 15-Jun-2023

S.No	Point	Recommendation	Responsibility	Target date	Status as on
1	Ensure compliance of PPE while handling of BMW	Proper PPE using to handling of BMW and training to be arranged	Erappa Reddy	25-Jun-2023	Completed
2	Bio medical waste storage bins condition to be checked	Check the biomedical waste storage bins	Raghavendra.P	28-Jun-2023	Completed
3	Display of BMW authorization copy	Authorization copy to be displayed the proponent places	Raghavendra.P	30-Jun-2023	Completed

Report prepared and circulated to all members and concern heads for their information and follow-up for compliance.

Prepared by:
Member:
P. Raghavendra
30-Jun-2023

Approved by
Secretary:
30-Jun-2023

Sai Life Sciences Limited
Unit-IV

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MINUTES OF BIOMEDICAL WASTE MANAGEMENT COMMITTEE MEETING

Department: HSE, OHC and QC –Microbiology.
Meeting date: 10-Dec-2023
Time: 13:30 TO 14:00

The following committee members were attended the meeting.

S. No	Name	Designation	Dept.	Role	Signature
1.	Dr.Basavaraj Dabke	OHC Doctor	Admin	BMWM Committee Chairman	10/10/23
2.	Arvind.K	Dy.Manager	HSE	BMWM Secretary	10/10/23
3.	Anjanayya Patri	Manager	Microbiology	BMWM committee Member	10-Dec-2023
4.	Pravin	Male Nurse	Admin	BMWM committee Member	10/10/23
5.	Raghavendra.P	Dy.Manager	HSE	BMWM committee Member	10-Dec-23
6.	Erappa Reddy	Executive	HSE	BMWM committee Member	10/10/23

Sai Life Sciences Limited
Unit-IV

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STATUS OF BMW MANAGEMENT COMMITTEE MEETING

BMW Management committee meeting held on: 10-Dec-2023

S.No	Point	Recommendation	Responsibility	Target date	Status as on
1	White colour Biomedical waste collection bin	Existing bins to be replaced with new bins	Arvind.K	28-Dec-2023	Completed
2	Ensure compliance of PPE while handling of BMW	Proper PPE using to handling of BMW	Erappa Reddy	15-Dec-2023	Completed
4	Training need to conduct to Bio medical waste handlers.	Training to be arranged	Raghavendra	18-Dec-2023	Completed
5	Checking the vaccination records of biomedical waste handlers	Check the Vaccination records	Raghavendra	20-Dec-2023	Completed

Report prepared and circulated to all members and concern heads for their information and follow-up for compliance.

Prepared by:
Member:

28-Dec-2023

Approved by
Secretary:

28-Dec-2023

Annexure-3

Training attendance sheet

Sai Life Sciences Limited

Corporate

Reference SOP No: & Title 99-06, Training

TRAINING SUMMARY AND ATTENDANCE RECORD

Title : Biomedical waste handling　Document Number: 07-56　Version: 01

Date : 25 - Jun - 2023　Unit: IV

Trainer: Raghavendra　Time: From 13:55 (Hours) To 14:20 (Hours)

Type of Training OJRT

S. No	Name of the Employee	Emp. Code No.	Unit/ Department	Designation	Signature with Date
1	Anil	1869	IV/HSE	Helper	Anil 06/25/23
2	AKASH	1705	IV/HSE	Helper	Ak 06/25/23
3	Samadpasha	1905	IV/HSE	Helper	Samad 06/25/23
4	Santhosh	1742	IV/HSE	Helper	Sv 06/25/23
5	Akhis	1729	IV/HSE	Helper	[signature] 06/25/23
6	Ramesh	1581	IV/HSE	Helper	[signature] 06/25/23
7.	Raj Kumar	1979	IV/HSE	Helper	[signature] 06/25/23
	NA				[signature] 25-Jun-23

Summary of Training:

Explained the below mentioned

1). P.P.E important while handling of Biomedical waste.

2). Type of Biomedical waste & colour coding

3). Biomedical waste storage & disposal method

Signature of the Trainer: [signature] 25-Jun-23

F-99-025　Effective Date: 05-23-2018

Version: 05　

Sai Life Sciences Limited

Corporate

Reference SOP No: & Title 99-06, Training

TRAINING SUMMARY AND ATTENDANCE RECORD

Title : Biomedical waste handling Document Number: 07-56. Version: 01.

Date : 16-Dec-2023. Unit: IV.

Trainer: V. Amit Kumar. Time: From 13.50 (Hours) To 14.15 (Hours)

Type of Training OJRT

S. No	Name of the Employee	Emp. Code No.	Unit/ Department	Designation	Signature with Date
01.	Chandrakanth	1471 (SBS)	IV/ETP.	Helper	12/16/23
02.	Basayya Swamy	1506 (SBS)	IV/ETP.	Helper.	12/16/23
03.	Ramesh	1581 (SBS)	IV/ETP	Helper.	12/16/23
04.	Rajkumar.	1479 (SBS)	IV/ETP	Helper.	12/16/23
05.	Maruti	1810 (SBS)	IV/ETP.	Helper	12/16/23
06.	Ramayya Swamy.	1459 (SBS)	IV/ETP.	Helper.	12/16/23
07.	Santosh	1742 (SBS)	IV/ETP.	Helper.	12/16/23
08.	Ashok patil.	1814 (SBS)	IV/ETP	Helper.	12/16/23
					12/16/23.

Summary of Training:

Explained on categories of biomedical waste, i.e. Yellow, Red, White and Blue. Explained on types of containers to be used for each category of waste, treatment and disposal options for each category of waste. Also explain on importance of treatment or disposal of waste within 48 hours of generation.

Signature of the Trainer: 16-Dec-2023

Note : Check its validity before use

Annexure-4

SOP of Biomedical waste management

DOCUMENT DETAILS

Document Number	07-56
Document Name	BIOMEDICAL WASTE MANAGEMENT
Department	<<DEPARTMENT>>
Category	HEALTH, SAFETY & ENVIRONMENT SOPs
Version No	01
Effective Date	10/Feb/2022
Next Review Date	09/Feb/2025

SIGNATURES

ROLE	NAME	DESIGNATION	DEPARTMENT	DATE&TIME
PREPARED BY	Raghavendra Pujari.	Assistant Manager	HSE	14/Jan/2022 13:57
REVIEWED BY	Aravind Kumar.	Deputy Manager	HSE	14/Jan/2022 14:51
REVIEWED BY	ishrarminya A Deshmukh.	Deputy Manager	QA	17/Jan/2022 17:56
APPROVED BY	Kumar MSN.	Assistant General Manager	QA	28/Jan/2022 12:54

Sai Life Sciences Limited

Unit-IV

STANDARD OPERATING PROCEDURE

SOP Number : 07-56	**BIOMEDICAL WASTE MANAGEMENT**	Effective Date : 10-Feb-2022
Version : 01		Next Review : 09-Feb-2025
Supersedes : 24-Aug-2020		Page Number : 1 of 10
DEPARTMENT: HSE		

I. PURPOSE:

To provide a procedure that describes the method of collection, Transfer, Storage & Disposal of Biomedical Waste at Unit-IV, Sai Life Sciences Limited.

II. SCOPE:

This procedure is applicable for biomedical waste generated from Microbiology Lab & OHC (Occupational health center) at Sai Life Sciences Limited, Unit – IV, Kolhar Industrial Area, Bidar, and Karnataka.

III. RESPONSIBILITY:

Role	Responsibility
Microbiology Department and OHC (Occupational Health Centre)	Segregation, collection, decontamination, packing, quantification, labelling and transfer of wastes to biomedical waste storage shed through biomedical waste transfer note [F-07-130] for interim storage on Site.
HSE	1. To maintain the records about generation, collection, reception, storage, transportation, disposal and / or any form of handling of bio-medical waste must be recorded in biomedical waste generation and disposal record [F-07-131] and Biomedical waste disposal receipt [F-07-104]. 2. Report of any accident to the prescribed authority. 3. HSE In-charge shall be responsible for management of biomedical wastes. HSE In-charge shall be responsible for documentation,

	correspondence with KSPCB and Disposal facilities, category of wastes and for day to day activity.
Administration Department	To ensure that the waste materials are timely shifted from plant area to hazardous waste storage area in safe manner.

IV. DOCUMENT REFERENCE:

1. SOP : NA
2. Forms : Biomedical waste disposal receipt [F-07-104]
   : Biomedical waste transfer note [F-07-130]
   : Biomedical waste generation and disposal record [F-07-131]
   : Electronic Weighing balance usage log [F-PR-026]
3. Guidelines : Biomedical waste management rules, 2016.
4. Manual : Not Applicable

V. SCHEDULE : None

VI. DEFINITIONS

: Bio - Medical Waste is defined as any waste, which is generated during the diagnosis, treatment of human beings from OHC and waste generated from Microbiology Lab.

VII. PROCEDURE:

1. Categories of waste:

STANDARD OPERATING PROCEDURE

SOP Number : 07-56	**BIOMEDICAL WASTE MANAGEMENT**	Effective Date : 10-Feb-2022
Version : 01		Next Review : 09-Feb-2025
Supersedes : 24-Aug-2020		Page Number : 3 of 10
DEPARTMENT: HSE		

1.1. The biomedical wastes are categorized based on Biomedical Waste (Management & Handling) Rules, 2016. The different categories and colour coding type of container for biomedical waste storage is given in the below table.

Category	Type of Waste	Type of Bag or Container to be used	Treatment and Disposal options
Yellow	**(a) Human Anatomical Waste:** Human tissues, organs, body parts and fetus below the viability period (as per the Medical Termination of Pregnancy Act 1971, amended from time to time).	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis or deep burial
	(b)Animal Anatomical Waste : Experimental animal carcasses, body parts, organs, tissues, including the waste generated from animals used in experiments or testing in veterinary hospitals or colleges or animal houses.		
	(c) Soiled Waste: Items contaminated with blood, body fluids like dressings, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components.	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis or deep burial* In absence of above facilities, autoclaving or micro-waving/hydro-claving followed by shredding or mutilation or combination of

			sterilization and shredding. Treated waste to be sent for energy recovery.
	(d) Expired or Discarded Medicines: Pharmaceutical waste like antibiotics, cytotoxic drugs including all items contaminated with cytotoxic drugs along with glass or plastic ampoules, vials etc.	Yellow coloured non-chlorinated plastic bags or containers	Expired cytotoxic drugs and items contaminated with cytotoxic drugs to be returned back to the manufacturer or supplier for incineration at temperature >1200 0C or to common Bio-medical waste treatment facility or hazardous waste treatment, storage and disposal facility for incineration at >12000C Or Encapsulation or Plasma Pyrolysis at >12000C. All other discarded medicines shall be either sent back to manufacturer or Disposed by incineration.
	(e) Chemical Waste:	Yellow coloured containers or non-	Disposed of by incineration or Plasma Pyrolysis or Encapsulation in hazardous

	Chemicals used in production of biological and used or discarded disinfectants.	chlorinated plastic bags	waste treatment, storage and disposal facility
	(f) Chemical Liquid Waste : Liquid waste generated due to use of chemicals in production of biological and used or discarded disinfectants, Silver X-ray film developing liquid, discarded Formalin, infected secretions, aspirated body fluids, liquid from laboratories and floor washings, cleaning, house-keeping and disinfecting activities etc.	Separate collection system leading to effluent treatment system	After resource recovery, the chemical liquid waste shall be pre- treated before mixing with other waste water.
	(g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	Non-chlorinated yellow plastic bags or suitable packing material	Non- chlorinated chemical disinfection followed by incineration or Plasma Pyrolysis or for energy recovery. In absence of above facilities, shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery or incineration or Plasma Pyrolysis.

STANDARD OPERATING PROCEDURE

SOP Number : 07-56	**BIOMEDICAL WASTE MANAGEMENT**	Effective Date : 10-Feb-2022
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DEPARTMENT: HSE		

	(h) Microbiology, Biotechnology and other clinical laboratory waste: Blood bags, Laboratory cultures, stocks or specimens of microorganisms, live or attenuated vaccines, human and animal cell cultures used in research, industrial laboratories, production of biological, residual toxins, dishes and devices used for cultures.	Autoclave safe plastic bags or containers	Pre-treat to sterilize with non-chlorinated chemicals on-site as per National AIDS Control Organisation or World Health Organisation guidelines thereafter for Incineration.
Red	**Contaminated Waste (Recyclable)** (a) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes (without needles and fixed needle syringes) and vaccutainers with their needles cut) and gloves	Red coloured non-chlorinated plastic bags or containers	Autoclaving or micro-waving/ Hydro calving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is possible. Plastic waste should not be sent to landfill sites.

White (Translucent)	**Waste sharps including Metals:** Needles, syringes with fixed needles, needles from needle tip cutter or burner, scalpels, blades, contaminated sharp object that may cause puncture and cuts. This includes both used, discarded and contaminated metal sharps.	Puncture proof, Leak proof, tamper proof containers	Autoclaving or Dry Heat Sterilization followed by shredding or mutilation or encapsulation in metal container or cement concrete; combination of shredding cum autoclaving; and sent for final disposal to iron foundries (having consent to operate from the State Pollution Control Boards or Pollution Control Committees) or sanitary landfill or designated concrete waste sharp pit.
Blue	**(a) Glassware:** Broken or discarded and contaminated glass including medicine vials and ampoules except those contaminated with cytotoxic wastes. **(b) Metallic Body Implants**	Cardboard boxes with blue colored marking. Cardboard boxes with blue colored marking.	Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypo chlorite treatment) or through autoclaving or microwaving or hydroclaving and then sent for recycling.

STANDARD OPERATING PROCEDURE

SOP Number : 07-56	**BIOMEDICAL WASTE MANAGEMENT**	Effective Date : 10-Feb-2022	
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DEPARTMENT: HSE			

2. Segregation of biomedical waste:

2.1 Creating a system for segregation of waste is the first step. Segregation at source of different types of biomedical wastes and their appropriate storage and/or disinfections sterilization, etc. would ensure that infectious wastes do not get mixed with non- infectious wastes as this would infect the entire waste.

2.2 The segregation of biomedical waste into various categories and stored specified coloured containers.

2.3 The Rules recommend different colour codes for waste containers in which different types of wastes needs to be stored. Clinical and general wastes should be segregated at source and placed in colour coded plastic bags and containers of definite specifications prior to collection and disposal.

2.4 The container should comprise of an inner plastic bag of varied colour depending on the type of waste. It should be of a leak proof and puncture proof, and should match the chosen outer container.

2.5 The outer container is a plastic bin with handles, and of a size which will depend on the amount of waste generated. The inner polythene bag should fit into the container with one-fourth of the polythene bag turned over the rim.

2.6 Labelling has been recommended to indicate the type of waste, site of generation, name of generating facility. This will allow the waste to be traced from the point of generation to the disposal area.

2.7 No untreated biomedical waste shall be stored beyond a period of 48 hours. Segregated wastes of different categories need to be collected in identifiable containers.

3. Biomedical waste in house treatment:

3.1. Autoclaving:

The basic objective of autoclaving is to disinfection and treating biomedical waste. When operating an autoclave, microbial / medical waste shall be subjected to:

3.1.1. A temperature of not less than 122 °C and pressure of 15 lb per square inch (psi) for an autoclave residence time of not less than 60 minutes.

3.2. Transfer to on-site storage facility

3.2.1 The sterilized biomedical waste shall be transferred only in closed containers.

3.2.2 Manual loading should be avoided as far as possible. The bags / container containing biomedical wastes should be tied/ lidded before transfer.

3.2.3 Special trolley must be used if large quantity of waste, so as to prevent access to, and direct contact with, the waste by the transportation operators.

3.2.4 Waste generating departments (i.e. Microbiology & OHC) issue biomedical waste transfer note [F-07-130] to HSE department before transfer of wastes.

3.3. Disposal Method:

3.3.1 While handling the Bio Medical waste to be use appropriate PPE's, the waste shall be disposed for treatment after disinfection and segregation to the Common Biomedical Waste Treatment Facility, which has been given consent by KSPCB for treatment and disposal of Biomedical Waste.

3.3.2 All details pertaining to disposal of biomedical waste shall be recorded in biomedical waste generation and disposal record [F-07-131] and biomedical waste disposal receipt [F-07-104].

3.4 NOTES:

3.4.1 Waste Container should be labelled.

3.4.2 Earlier label on the Container must be removed or defaced.

3.4.3 Container should be leak proof.

3.4.4 Waste should be shifted to the designated storage area only.

VIII. ABBREVIATIONS:

1.	BMW	:	Bio - Medical Waste
2.	KSPCB	:	Karnataka State Pollution Control Board
3.	OHC	:	Occupational Health Centre
4.	HSE	:	Health Safety and Environment