COVID Bio-Medical Waste Management

Pranav Tripathi
## Overview

### Installed Capacity

<table>
<thead>
<tr>
<th></th>
<th>Delhi</th>
<th>Gurugram</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incineration</td>
<td>25</td>
<td>10</td>
<td>Tonnes per day</td>
</tr>
<tr>
<td>Autoclave</td>
<td>9</td>
<td>10</td>
<td>Tonnes per day</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
<td><strong>20</strong></td>
<td><strong>Tonnes per day</strong></td>
</tr>
</tbody>
</table>

### Utilized Capacity

<table>
<thead>
<tr>
<th></th>
<th>Delhi</th>
<th>Gurugram</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Incineration</td>
<td>10</td>
<td>7</td>
<td>Tonnes per day</td>
</tr>
<tr>
<td>Autoclave</td>
<td>7</td>
<td>3</td>
<td>Tonnes per day</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td><strong>10</strong></td>
<td><strong>Tonnes per day</strong></td>
</tr>
</tbody>
</table>
COVID Waste Growth Trends - Delhi

KGs per month

Growth Trends

Mar-20  Apr-20  May-20  Jun-20  Jul-20  Aug-20

-  50,000  1,00,000  1,50,000  2,00,000  2,50,000  3,00,000  3,50,000

Mar-20  Apr-20  May-20  Jun-20  Jul-20  Aug-20
COVID Waste Growth Trends - Gurgaon

KGs per month

Growth Trends

Month | January-20 | April-20 | May-20 | June-20 | July-20 | August-20

- | - | 10,000 | 20,000 | 30,000 | 40,000 | 50,000

March-20 | April-20 | May-20 | June-20 | July-20 | August-20

40,000 | 60,000 | 80,000 | 100,000 | 120,000 | 140,000
PPE’S
BIO MEDICAL WASTE COLLECTION STAFF

1. Overall with zip closer, hooded with elastic
2. 3 ply Mask
3. Goggles
4. Latex Gloves
5. Disposable Bag
6. Shoe Cover
BIOTIC STAFF EQUIPPED WITH PPE

TEMPERATURE CHECK OF BIOTIC STAFF EQUIPPED AT DUTY IN
COLLECTION AND TRANSPORTATION OF COVID WASTE FROM HOSPITALS

-WEIGHING
-RECORD MAINTENANCE

-WEIGHING
-RECORD MAINTENANCE
LOADING OF COVID WASTE IN DEDICATED VEHICLES
HANDING OVER OF COVID WASTE BY HOME QUARANTINE
RECEPTION OF WASTE AT CBWTF
DISINFECTION OF COVID WASTE COLLECTION VEHICLES AT CBWTF
DISPOSAL OF COVID WASTE AT CBWTF THROUGH CONVEYOR SYSTEM
THROUGH CONVEYOR SYSTEM THE WASTE IS FED INTO ROTARY INCINERATION FOR BURNING AT HIGH TEMPERATURES