

## ***Used Mask Disposal Facility for Police force in Pune***

### ***Synopsis of Project***

This project is providing for a disposal facility for infectious used masks to the police force to contain the spread of Covid19 infection. Using face mask is extremely crucial and similarly being responsible while disposing the used masks is equally responsible.

The police force is the most affected from the Covid19 infection while protecting us. This is primarily due to lack of proper sanitation. A lot has been done, but the safe disposal of used masks is still neglected to a large scale.

**We felt the need and had approached police commissioner of Pune city and have received official letter of request for this facility from around 68 police station serving more than 5000 policemen.**

### ***Project Description***

**Problem Statement** - We all are aware of how the Covid19 virus has infected our policemen working day and night for us. One of the reasons for this spread is that currently the masks and gloves used by the policemen are usually disposed with normal waste and is carried or handled by multiple people. A lot of policemen are getting infections due to Covid19 as the contagiousness may spread with any lack of proper sanitation condition. Similarly, disposing the potential infectious materials in an appropriate way is also very important. **Thus, it is crucial that the used masks does not get mixed with normal waste but are disposed in a touchless and decentralized way.**

**Work Plan** - In the current pandemic situation, we have developed a mask/gloves waste disposal equipment to make sure that the infectious waste is contained and does not spread further and the sector which requires this type of solution urgently are the police stations and hospitals. Thus, we are proposing you **to help our city police stations to equip them with such machines to contain the infection.** Multiple police stations had approached us for a solution earlier, but due to lack of financial aid, they were unable to install the solution. Current requirement is of 68 units in Pune city. This project would last for around 2 months from procurement, assembly and final installation of the product. We would also conduct a post installation survey to verify that the need is fulfilled with our facility.

**Geographical reach** - The geographical reach is the entire Pune city as we are targeting police stations of the overall city.

**Timeline of the project** - Starting from the date of commencement of the project the duration required for the project completion would be approximately 3 months.

**Evaluation Process** - We would also conduct a post installation survey to verify that the need is fulfilled with our project. This would involve the pre and post situation, how will the policemen get benefited with this. Conduct any awareness session required for proper training of the police and anything other than this required for evaluation of the project.

**Outcomes and Impact** - This project could prove as a pioneer towards helping the policemen to contain the infection of Covid19. Police force is the frontline army working in this crisis situation and a lot can change by providing them to help dispose the used and probable infectious mask waste.

**Budget Requirements** - The below table is calculated for each police station expenses.

<b>Sr. No.</b>	<b>Expense Head</b>	<b>Investment</b>
1	Product Cost	25000
2	18% GST	4500
3	Exhaust Fan (with taxes)	3000
4	Packaging and transportation	500
5	Installation	2000
6	Evaluation Survey	2000
7	Administration and overhead expenses	8000
	<b>Total</b>	<b>45000</b>
	<b>Total project cost (45000*68 units)</b>	<b>30,60,000</b>

### **Salient Features of the project -**

1. Providing a touchless sanitation facility for disposal of used face masks and gloves to the policemen.
2. Electric shock and leak proof design of the product.
3. Approved and certified emission standards by CPCB and WHO.
4. Hygienic and decentralized solution of infectious masks disposal.

### ***Brief about Organization***

Green Earth Equipment is a social enterprise working in the field of waste management developing sustainable and on spot solutions to each category of waste. We are an incredible partnership of innovation and empathy. We develop economical and practical solution to many problems that we observe in the society. While there are numerous ways to serve, we have chosen waste management as our segment with a vision to make India a ZERO WASTE nation one day; and to make our dream into reality, we ensure continuous innovation and learnings to come up with best solution that we could for each category of waste. We strongly believe that every type waste should be treated separately and at its generation point to make the most out of otherwise wasted resources.

Vision – Make India a ZERO WASTE nation with our continuous innovation and service.

Our clients specific to CSR initiatives include Tata Motors, Mercedes Benz India, Tox Pressotechnik Limited and Cummins India. We as a start-up are funded by Social Alpha, a Tata trust allied company. We are one of the top 100 start-up in Maharashtra and are supported by Maharashtra State Innovation Society. We are undergoing a mentorship program with The Sedibus, a NITI Ayog supported initiative.

### **Till date our credibility stands as below,**

- Incubated and invested by Social Alpha, a Tata Trust allied company.
- Recognized by Pune Municipal Corporation for our contribution towards Swachh Bharat and our DAHINI project stood second for their Swachh Awards 2019.
- Presentation and publication of our research paper internationally on sanitary waste and Dahini project by the European Center of Sustainable Development in Rome, Italy.
- Featured in editions of Sakal, Times of India, Lokmat, Loksatta and Bytes of India for our contribution.
- Achieved Gold medal for Symbiosis Institute’s Social Business Plan Competition, Manthan.

- Shortlisted as top 100 startups in Maharashtra Startup Week by the Government of Maharashtra.
- Supported by myGov Innovation platform of Government of India.