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## Design and Fabrication of Safe Mask and Hand Gloves Disposal Machine

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Abstract: The origin of the novel human coronavirus (SARS-CoV-2) and its potential for harm increased face mask and medical waste in the environment, thereby necessitating the urgent prevention and control of the pandemic. The article estimates the face mask and medical waste generation in Asia during the pandemic to convince the waste management and scientific communities to find ways to address the negative impact that the waste disposal has on the environment. Standardization, procedures, guidelines and strict implementation of medical waste management related to COVID-19, community habitats and public areas should be carefully considered to reduce pandemic risks in hospitals, as proper medical waste disposal effectively controls infection sources. Improper disposal of the face mask can lead to various problems which include large heaps of mask all over, bacteria causing infection, unhygienic environment etc. The used mask that have not been disposed of properly sometimes block the drainage system. Incineration is a better technique to dispose of such waste but burning of used mask releases harmful gases that effects health and environment. To incinerate mask, electrical or physical fire – based incinerators can be used. Toilet facilities in India are very poor as they lack bins for the disposal of mask [1]. This system is one of the best way to dispose waste burn mask using electrical fire based burner without allowing smoke generate in the process to escape into the atmosphere. This steps must be taken to solve the problems that improper disposal of mask causes to the environment and to the public health.

Keywords: Mask fabrication

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