

*Step towards saving our planet*

# **Irasha's** **EnviroMate** ELECTRIC INCINERATOR

*For  
Sanitary Napkins  
& Masks*



For Any Enquiries

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**EnviroMate**  
ELECTRIC INCINERATOR

## Concept

Around 5.1 Billion used pads are discarded per month all over world.

With increase in awareness and availability of low cost pads, this volume will increase manyfolds.

Various studies have suggested that a single disposable sanitary napkin contains plastic which takes up to 500 to 800 years to decompose naturally.

As Menstrual Hygiene Management National Guidelines, 2015 (MHM Guidelines) suggest various disposal methods such as Incinerators, Deep Burning/Burial Pits, etc.

## Common Practices

### Hazardous



### Safe

Throw them unwrapped into fields, rooftops, etc.

Wrap them in paper/ plastic bag and throwing them outside.

Throw them in latrine / toilets.

Drying, wrap in paper / cloth bag and throw in dustbins (mostly non-rural)

Bury them for de-composition.

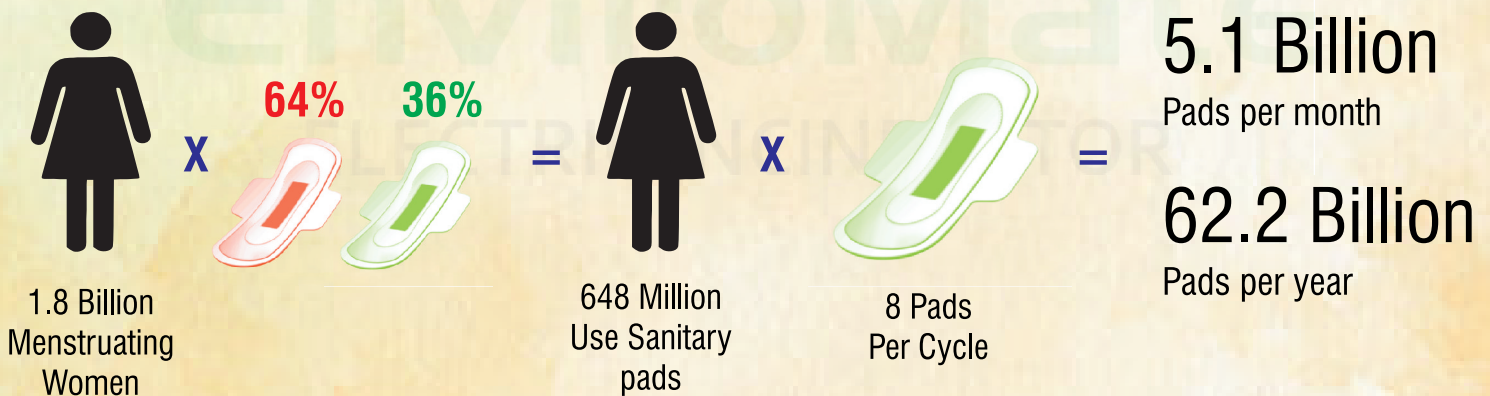
Burn it (rural areas and semi-urban areas).

Municipal waste management / burning in health clinics (more urban)

Use incinerators (Responsible citizens of country)

## Estimated waste load calculation

### Menstrual Waste Load Across The World



■ Use Sanitary Pads ■ Use Other materials

## Salient Features

- **EnviroMate Electric Incinerator** dispose-off the soiled unbleached sanitary pads & masks, which contains high cellulose & super absorbent polymer (SAP) material at 800°C using energy efficient heaters with auto power & thermal cut-off and automatic temperature control.
- Innovative design of combustion chamber with optimized A/F ratio and heating cycles.
- Ensures instant disposal in a scientific and hygienic way along with eliminating Dioxin & Furan during combustion.
- Exhaust emissions' test at NABL approved lab and comply to BMW Management Rules, 2016 & MSW Management Rules, 2016.
- Suitably insulated for safe surface temperature.
- Easy to operate with low maintenance.

## Emission Test Results

Parameters @ 800 °C at Source	Concentration		Guidelines (MSW)
	SGS Lab	UES Lab	
TPM (mg/Nm <sup>3</sup> )	31	42.8	50
CO (mg/Nm <sup>3</sup> )	96	95.8	100
SO <sub>2</sub> (mg/Nm <sup>3</sup> )	17	8.2	200
NO <sub>x</sub> (%)	8	2.4	400
CO <sub>2</sub> (%)	8.4	8.5	-
Combustion Efficiency (%)	99.82	99.94	>99
Total Dioxine & Furan @ 11 % O <sub>2</sub>	<0.01	-	0.1



**SGS India Pvt Ltd.**  
Mumbai, Maharashtra



**Ultimate Evirolytical Solution.**  
Raipur, Chhatisgarh  
(CECB Approved Lab)

## Technical Specifications

Parameters	EnviroMate I	EnviroMate II
Electricity Consumption	1.2 kW/hr	0.8 kW/hr
No. of Combustion chamber	Single	Single
Combustion temperature	800°C	200°C
Burning Capacity (for complete combustion)	32 – 35 pads/hr.	8 – 10 pads/hr.
Burning Capacity Per Cycle	Takes 5 pads or 10 Masks / 8 mins	Takes 1 pad or 3 Masks / 6 mins
Weight	15.5 kg	10.0 kg
Digital Display (Time & Temperature)	Optional (with Extra Cost)	No
Warranty	1 yr.	1 yr.

## Three Step Operation



**Plug in Power Socket**

**Insert Pad**

**Press The Start Button**

## Beneficiaries



**School/Colleges  
/ Universities**



**Girls Hostels**



**Community Toilets**



**Housing Societies**



**Hotels & Resorts**



**Offices/ Industries**



**Hospitals**



**Convention  
Centres**