

# TOXICS LINK



Toxics Link  
for a toxics-free world

- NGO established in 1998, working on waste and chemical issues
- Raised the issue of Bio-medical waste management in 1998 and has been working on it since then
- Part of Rules drafting committee
- Part of State and district level monitoring and technical evaluation committees
- Work with the central and state machinery, push policy development, conducts research, conducts capacity building programmes for various stakeholders (hospitals, CBWTF, State authorities etc.)
- Has worked with 19 states for BMW management.
- Currently working with state agencies in Goa and Bihar to improve systems



## NEED FOR BIO-MEDICAL WASTE MANAGEMENT

- To protect local communities from spread of infection
- To cut down emissions of greenhouse gas/ POP's like dioxins, furans etc. / Mercury/ HW from Incineration
- To improve injection and patient safety practices
- Improve infection control

# DANGERS ASSOCIATED WITH BIO-MEDICAL WASTE



Toxics Link  
for a toxics-free world

## Dangers to the patients

- Many patients immuno-compromised

## Dangers to the community

## Dangers to the Healthcare workers

- Hours spent at the workplace
- High rate of needle-stick injuries
- Exposure to mercury/chemicals
- Improper spill handling



# RULES



- **Bio-medical Waste (Management & Handling) Rules, 1998** was notified by Ministry of Environment Forests & Climate Change in July, 1998
- **Bio-medical Waste Management Rules, 2016** notified by Ministry of Environment Forests & Climate Change and came into effect from 28.03.2016.

**To improve the collection, segregation, processing, treatment and disposal of bio-medical wastes in an environmentally sound management.**

## Status of Implementation of Bio-medical waste Management Rules

|     |   |           |
|-----|---|-----------|
| 1.  | Total no. of Healthcare Facilities (HCF)                      | 3,19,907  |
| 2.  | No. of bedded HCFs  | 1,06,643  |
| 3.  | Total no. of Beds   | 20,94,858 |
| 4.  | No. of non-bedded HCFs  | 2,15,336  |
| 5.  | No. of Common Bio-medical Waste Treatment Facility (CBWTF)    | 202       |
| 6.  | No. of HCFs granted authorization                             | 1,55,103  |
| 7.  | No. of HCFs having Captive Treatment facilities               | 18,552    |
| 8.  | Total Quantity of BMW generation in Tons/day                  | 615       |
| 9.  | Total Quantity of BMW Treated in Tons/day                     | 541       |
| 10. | No. of HCFs violated BMW Rules                                | 28,816    |
| 11. | No. of Show cause notices/directions issued to defaulter HCFs | 17196     |

# GROUND REALITY IN THE COUNTRY



Toxics Link  
for a toxics-free world

- Rules in force for over two decades, (Business model)
- Implementation is still a challenge
- Progress and efficacy state specific
- Rural and difficult areas not serviced well
- Inadequate data (Quantitative only)
- Insufficient understanding of the rules
- Treatment and disposal a matter of concern (CBWTF operations)
- Effluent treatment and disposal continues to be a challenge
- Gaps in Monitoring and regulatory oversight





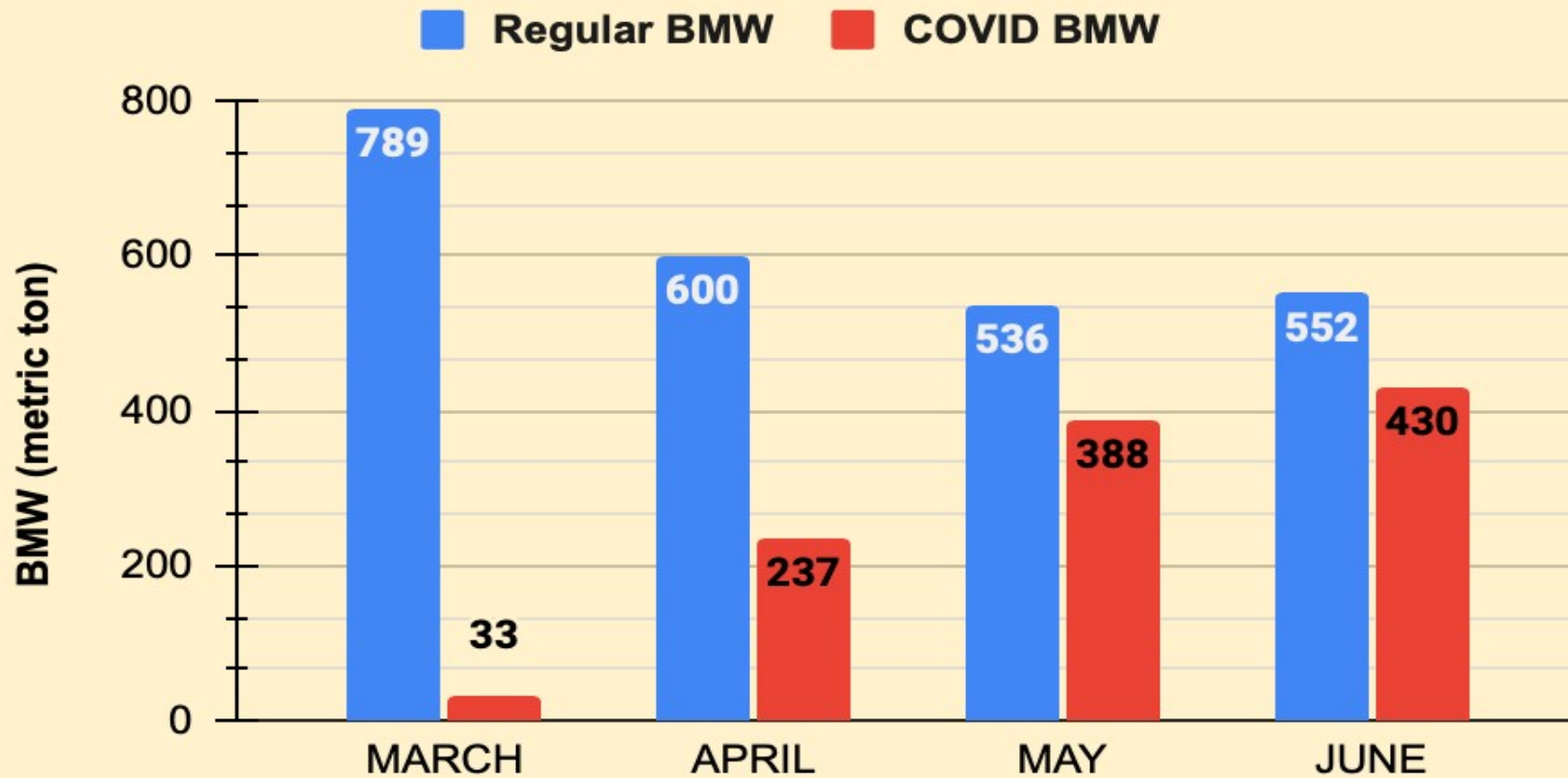
- Waste pilferage
- Open dumping/  
burning
- Effluent discharge
- Lack of deterrence and incentives

# BMW AND COVID GENERATION DELHI



Toxics Link  
for a toxics-free world

## BIOMEDICAL WASTE GENERATION( MARCH-JUNE) : DELHI

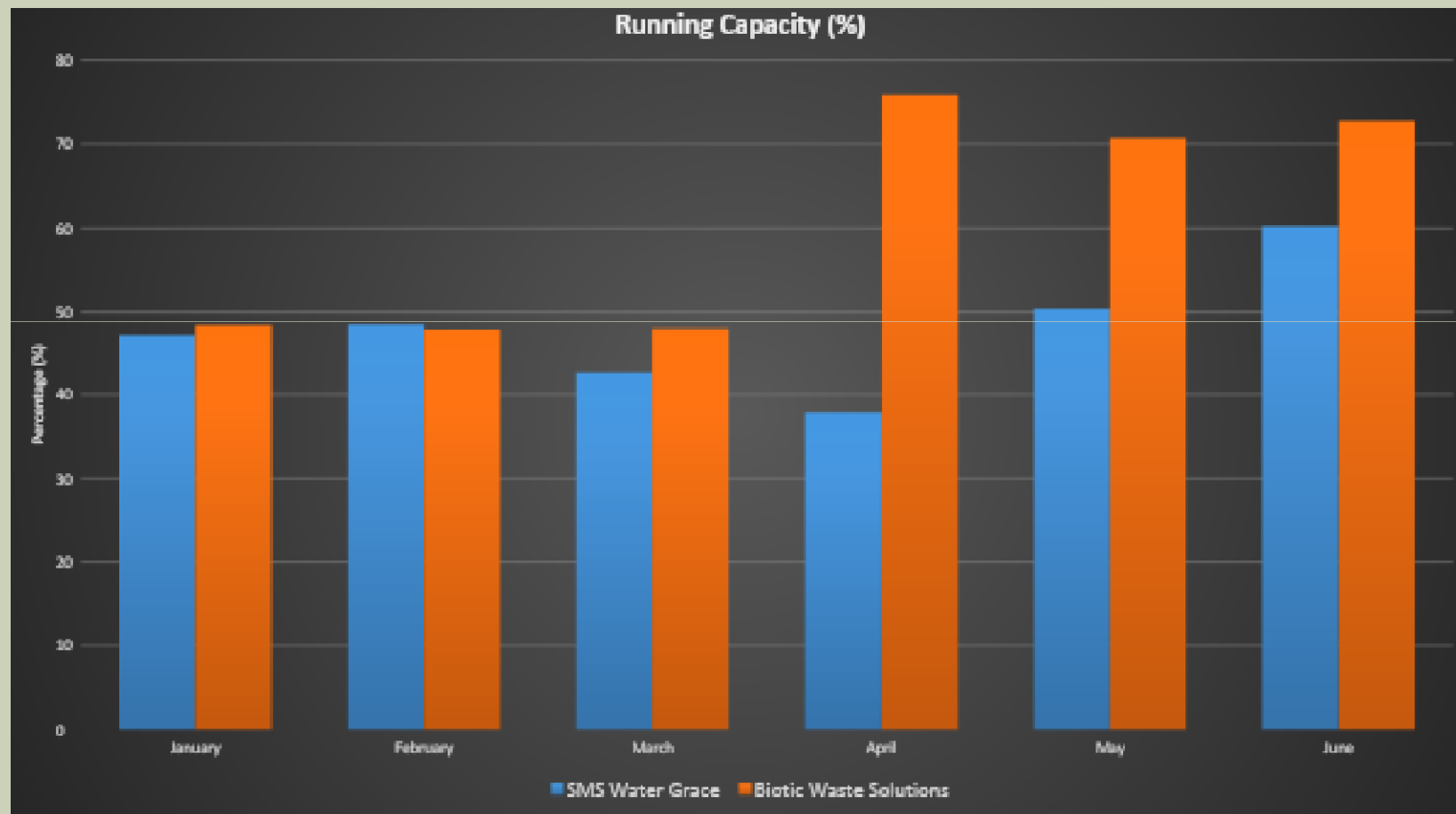




# CAPACITY UTILIZATION CBWTF DELHI



Toxics Link  
for a toxic-free world



[WWW.TOXICSLINK.ORG](http://WWW.TOXICSLINK.ORG)

For more  
information: