



COVID-19 & BIOMEDICAL WASTE INDIAN SCENARIO

COVID waste challenges

st case reported on Jan 30

prehension on exponential growth in plastic waste generation

mask and gloves found dumped along roadside and waste dumps

wspapers carry stories on COVID waste

izens continue to seek solutions



COVID-19 BIOMEDICAL WASTE IN INDIA

Number of Hospitals generating COVID-19 waste: 2,907

Number of Quarantine Centers: 20,707

Number of Sample Collection centers: 1539

Amount of Bio-medical Waste generated per day: 609 MT

Additional Biomedical Waste generated per day due to COVID-19: 101 MT

Total Biomedical Waste generated per day: 710 MT*

CPCB issues guidelines on COVID in Mar

Current status

Incineration Capacity available in the country: 804 MT

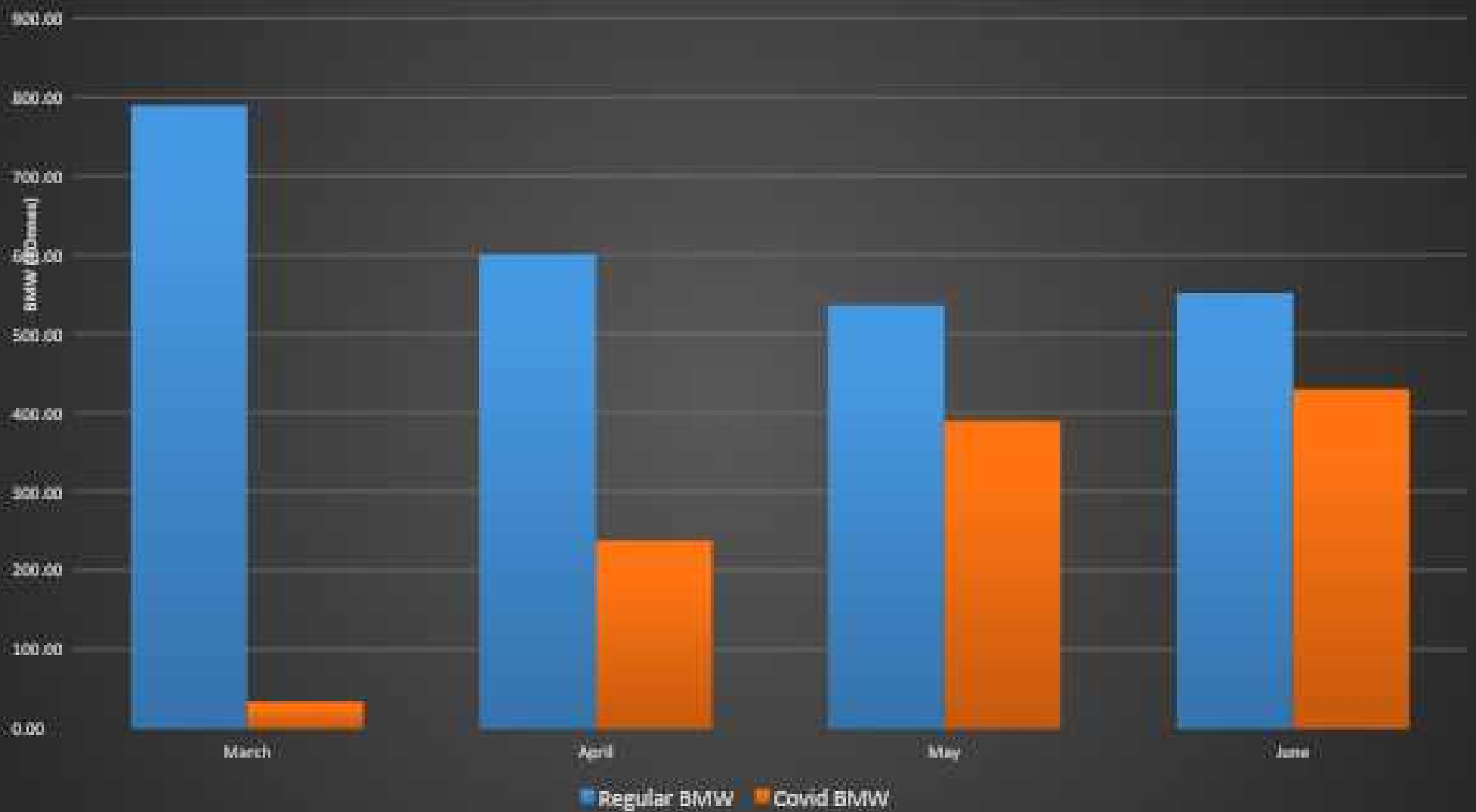
55% of the cumulative incineration capacity in the country has already been utilized.

States without any CBWTF facility have to depend on Deep Burial Pits for disposal of COVID-19 waste.

NGT expresses need to revise the guidelines for COVID waste

Uploading of Data by Municipal bodies and CPCB regarding generation and disposal of BMW from Residences and Quarantine centers on “COVID19BWM” app

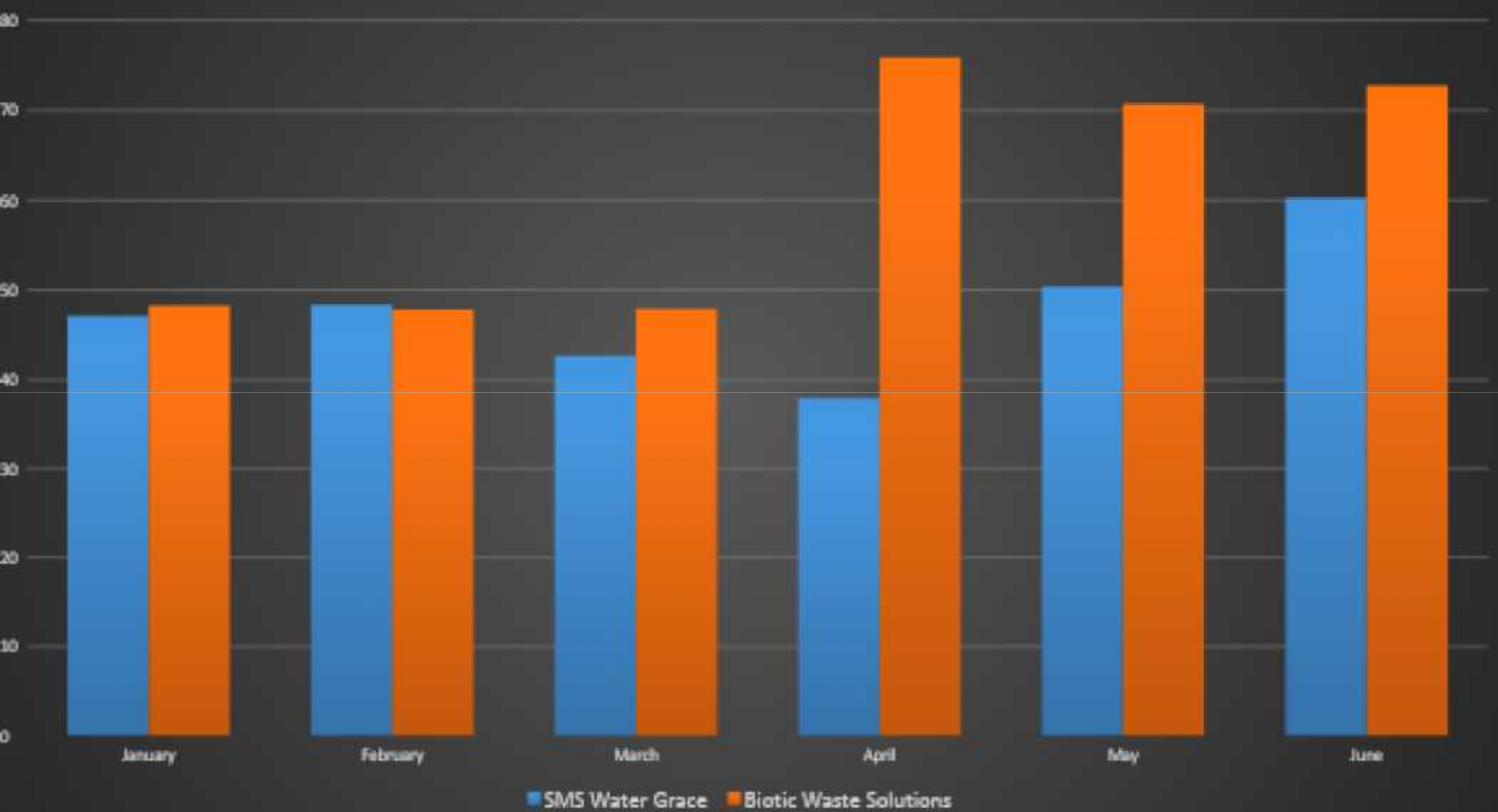
BMW Scenario: Covid-times



Growth rate waste generation

- Waste generation Jan 841 MT
- Waste generation June 982 MT
- growth rate 14.7 %/day

Running Capacity (%)



Ground reality

- Improper segregation of waste
- Choice of technology
- Lack of preparedness for pandemic
- Inadequate information and awareness
- Inadequacy of PPE
- Inadequate Regulatory capacity
- Challenges in handling waste from HH

FUTURE CONCERNS: VACCINE DISPOSAL

172 countries working on developing COVID-19 Vaccine

To deliver two billion doses of vaccines to roughly 70% of the world population by the end of 2021

As per current understanding, the vaccine will also require a booster dose

Proper disposal of vaccine containers will be a major concern due to the highly contagious nature of COVID-19 virus

ROAD MAP : THE WAY AHEAD

Need for comprehensive data on BMW generation and Disposal,

lessons learnt from pandemic

Awareness on waste treatment options

Improve compliance on BMW management, penalize defaulters

Guidelines and SOP for Pandemic Preparedness and Training

Advance planning for vaccine waste.

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THANK YOU