

**PRESENTATION  
ON**

**"BIOMEDICAL WASTE  
MANAGEMENT IN DELHI"**

**In ASSOCHAM's Conference  
on Biomedical Waste Management**

**BY  
J.K.Dadoo  
Secretary (Environment)  
Govt. of Delhi**

1

**UNITS UNDER PURVIEW OF BIO-  
MEDICAL WASTE (MANAGEMENT &  
HANDLING) RULES, 1998**

- **Hospitals**
- **Nursing Homes**
- **Clinics**
- **Dispensaries**
- **Blood Banks**
- **Diagnostic Centres/Pathological  
Laboratories**
- **Drug Manufacturing Units & Drug Stockiest**
- **Medical Research Institutes**
- **Common Bio-medical Waste Treatment  
Facilities**

2

## DPCC Structural System for Managing Bio-medical Waste

- The Health Care Units (HCUs) generating bio-medical waste have been categorized on the basis of bed strength & three Consent Management Committees have been constituted to deal with matters relating to these HCUs.

CMC	No. of Beds	No. of Units
1	≥50	125
2	10-49	370
3	0-9	1225
Total Units =1720		

3

## DPCC Structural System for Managing Bio-medical Waste

- HCUs within NCT-Delhi need to obtain Consent to Establish & Operate (under Air & Water Acts) and Authorization (under BMW Rules).
- New Policy Note : HCUs below 50 beds need not apply CTE/CTO.

4



## Bio-medical Waste Management in Delhi

---

- **Management of 8.9 T/Day of Bio-medical Waste is done as per provisions under BMW Rules, 1998**
- **Two CBWTF are Operational in Delhi**
  - **Outsourcing of work to 2 Private Operators**
  - **About 2630 number of Health Care Facilities utilize their service**

5



## Bio-medical Waste Management in Delhi (contd...)

---

- **Other Operational facilities for Bio-medical Waste management in Government Hospitals are:**

<b>Incinerators</b>	<b>15</b>
<b>Autoclaves</b>	<b>18</b>
<b>Microwaves</b>	<b>03</b>

6



## **Actions Taken Under the Provisions of Acts & Rules in HCUs**

---

- **Inspections**
  - More than 200 (since 1<sup>st</sup> Jan 2007)
- **Notices for Compliance**
  - More than 620 (since 1<sup>st</sup> Jan 2007)
- **Organization of Trainings/Workshops in association with medical experts for HCU staff**

7



## **Actions Taken Under the Provisions of Acts & Rules in HCUs( contd..)**

---

- **Issuance of 6 Public Notices in last one year regarding:**
  - Guidelines for Sharp Waste Management
  - Compliance of norms of DG sets
  - Installation of Effluent Treatment Plants in the Hospitals having 100 beds or more.
  - Waste Disposal Guidelines for Drug Dealing units.
  - Providing Template for commitment to minimize/eliminate Mercury containing waste.
  - Segregation of BMW

8



## Outcome of Our Efforts

- **Authorization Status** :
  - Applied = 1261/1720 HCUs
  - Granted = 718/1720 HCUs
  
- **ETP Installed** :20 HCUs
- **Solar Water Heating** :20 HCUs
- **Rain Water Harvesting** :27 HCUs
- **CFL** :Almost in all of the HCUs

9



## Other Directions Issued by DPCC

- **Compliance with DG set norms.**
- **Compliance with Wastewater disposal standards as per standards prescribed BMW Rules, 1998 (Schedule V).**
- **Directions Issued to minimize/eliminate Mercury containing waste.**

10



## Other Directions Issued by DPCC

- **Compliance of 5 directions viz.**
  - ETP Installation(25% subsidy for govt.hospitals)
  - Rain Water Harvesting System
  - Solar Water Heating System
  - Replacement of Incandescent bulb with CFL
  - Plantation within the unit premises