

ANNEXURE-I

Questionnaire for the Survey of Hospital Waste Management

General Information

1. Name and address of the Hospital : _____

2. Type of hospital :

Particular	Number
Maternity	
Physician	
Dental(DNT)	
Surgeon	
Neurologist	
Pediatric	
ENT	
Skin	
Pathology	
Other	

3. Number of in patients per day : _____

4. Total number of beds in hospital : _____

5. Quantity of hospital waste generated per day: _____ Kg

Waste segregation, collection, storage and handling of Hospital waste

1. Does the hospital carry segregation of hospital waste?

a) Yes

2. What is the storage facility for collected hospital waste?

a) Single container

b) Separate container with colour code

c) Separate polythene bags

3. Is there any handling equipment used by the waste collectors?

a) Yes b) No

If yes then specify them: _____

4. How is the collected waste transported?

a) By own vehicle:

b) By municipal transportation:

c) Private contractor/agency

5. Is there any collecting agency for collecting hospital waste?

a) Yes b) No

If yes then specify name: _____

6. What is the monthly rent of this agency for collection of hospital waste?

Waste segregation, collection, storage and handling

Personnel involved in the management of hospital waste

1.a) Designation of person (s) responsible for organization and management of waste collection,

handling, storage and disposal at the hospital administration level. (If any)

1.b) Has he/she received any training on hospital waste management?

Yes No

2. Is there any recycling technology adopt by the hospital?

Yes: No:

3. Are there any guideline or regulations particular to the incineration of medical waste? (Fr

Yes: No:

4. Who regulates the safe transport of medical waste?

a) Pollution Control Board of India.

b) Transport Corporation of India.

c) Hospital administration

d) Municipal corporation

5. Do you need a separate permit to transport biomedical waste?

a) Yes b) No c) Cannot say

6. Do you take any effort for reduction of hospital waste?

a) Yes b) No

Safety Measures of hospital waste management

1. Is there any impact of waste on health of waste collector?

Partial Negligible

2. Is there any routine checkup for waste collector staff?

Yes No

3. What are the safety measures taken by the management of hospital to maintain the health of the staff?

Level of awareness on Hospital waste management practice

1. Do you know about colour-coding segregation of HWM waste?

- a) Yes b) No c) Not sure

2. Do you follow colour-coding for HWM waste?

- a) Yes b) No c) Sometimes

3. Is the waste disposal practice correct in your hospital?

- a) Yes b) No c) Cannot comment

4. The approximate proportion of infectious waste among total waste generated from a health care facility is:

- a) 10-20% b) 30-40% c) 50-60% d) 80-90%

Attitude/behavior assessment towards Hospital waste

1. Safe management of health care waste is not an issue at all.

- a) Agree b) Disagree c) Cannot comment

2. Waste management is team work/no single class of people is responsible for safe management.

- a) Agree b) Disagree c) Cannot comment

3. Safe management efforts by the hospital increase the financial burden on management.

- a) Agree b) Disagree c) Cannot comment

4. Safe management of health care waste is an extra burden on work.

- a) Agree : b) Disagree c) Cannot comment :

5. Will you like to attend voluntary program that enhance and upgrade your knowledge about waste management?

a) Yes b) No c) Cannot comment

6. Do you think that infectious waste should be sterilized from infections by autoclaving before shredding and disposal?

a) Yes b) No c) Cannot comment

7. Do you think that an effluent treatment plant for disinfection of infected water should be set up in hospitals?

a) Yes b) No c) Cannot comment

8. Do you think it is important to report to the Pollution Control Board of India about a particular Institution if it is not complying with the guidelines for biomedical waste management?

a) Yes b) No c) Cannot comment

9. Do you think that labeling the container before filling it with waste is of any clinical significance?

a) Yes b) No c) Cannot comment

Level of knowledge among nurses, doctors, attendants, lab technicians on needle-stick injuries

1. Is needle-stick injury a concern?

a) Yes: b) No: c) Do not know:

2. Do you re-cap the used needle?

a) Yes: b) No : c) Do not bother :

3. Do you discard the used needle immediately?

a) Yes: b) No: c) Have not noticed:

4. Are you aware of consequences of needle-stick injury?

a) Yes: b) No: c) Not concerned:

5. Have you sustained a needle-stick injury during the last 12 months?

a) Yes: b) No: c) Do not remember:

6. If yes, how many injuries? Specify-----

7. How did the most recent incident happen?

a) Poor disposal of needle: b) Individual carelessness/accident
c) Cant say d) Other

8. To whom did you report the injury?

a) Line manager: b) Occupational health:
c) Infection control: d) Nobody:
e) Cannot remember: f) Other (specify):

9. Did you fill in an incident report?

a) Yes b) No c) Cant say

10. Have you been fully inoculated against hepatitis B?

a) Yes b) No c) Not sure

Questionnaire for agency collecting Hospital waste:

1. Agency (name, location): _____

2. From how many hospitals do you collect the waste daily?

3. What is the quantity of daily collected waste in Kg?

4. How many workers are associated with this work?

5. What are the charges per hospital per month?

6. What is the mode of transportation of hospital waste?

a) Tempo: b) Truck: c) Other:

7. Is the waste collected from the hospital s segregated?

a) Yes : b) No:

8. Does the agencies give any training to workers to handle the waste?

a) Yes : b) No:

9. Is any recycling treatment is given to the waste?

a) Yes : b) No:

10. Do you have any recycling plant or associated with any such plant?

a) Yes :

b) No:

11. Is the collected waste is only incinerated?

a) Yes :

b) No:

12. Is there any technique for disposal of ash after incineration?

a) Yes :

b) No:

13. Is there any relationship between segregation of waste and training of staff?

a) Yes :

b) No:

14. What are the problems faced by agency while collection transportation and segregation of waste? (if any specify)

Thank you for your valuable time and cooperation