

# **KHYBER GIRLS MEDICAL COLLEGE PESHAWAR**

## **Waste Management Plan**

### Introduction

Khyber Girls Medical College is a medical college which is situated in Hayatabad Town ship of the Peshawar capital of Khyber Pakhtunkhwa province of Pakistan.

The College is providing education not only Pakistani students but to the foreign students.

### Vision

Khyber Girls medical college will promote health care leaders that are critical thinkers, ethical, research oriented, culturally and professionally competent

### MISSION STATEMENT

To develop competent health care leaders by ensuring appropriate policies and procedures that reflect ethical, cultural and evidence based practices to achieve best possible health outcomes for society at large.

### Waste Management Plan

As per the EPA Act 2005, the MTI/HMC has prepared its waste management plan for the safe disposal of Bio medical/infectious/hazardous waste through modern techniques. For this purpose the MTI/HMC administration has constituted two committees as u under.

- 1) Waste Management Committee.
- 2) Waste Management Team.

### Waste Management committee.

The MTI/HMC has waste management committee as per the waste management plan.

Waste management committee constitutes rules regulations and bi-laws for HMC waste management and it also constituted the of waste management team and its members for the proper implementation of waste management plan.

The waste management committee of HMC consists of the following.

- |    |                           |           |
|----|---------------------------|-----------|
| 1. | Hospital Director         | Chairman  |
| 2. | Director Finance          | member    |
| 3. | Infection control officer | Secretary |
| 4. | Manager Facilities        | member    |
| 5. | Director Nursing          | member    |

- |     |                          |        |
|-----|--------------------------|--------|
| 6.  | Supply Chain Manager     | member |
| 7.  | Micro-Biologist          | member |
| 8.  | Chief pharmacist         | member |
| 9.  | Radiation Officer        | member |
| 10. | Chief sanitary inspector | member |

The waste management committee will meet quarterly to discuss the waste management issues/problems and reforms at any time on emergency basis or as and when needed. The waste management committee is the governing body for the waste management in MTI/HMC/KGMC.

#### Waste Management Team.

The waste management committee will constitute waste management team which is the implementation body of the waste management rules regulations and laws in the different areas/ departments of college. The waste management team will hold its meeting on monthly basis regularly to overlook the waste management in hospital.

The waste management team of college will nominate one of its members as waste management officer who will be the focal person of the whole waste management process/procedure.

The waste management Team of HMC consists of the following.

- |     |                          |
|-----|--------------------------|
| 1.  | Chairman                 |
| 2.  | Secretary                |
| 3.  | member                   |
| 4.  | waste management officer |
| 5.  | member                   |
| 6.  | member                   |
| 7.  | member                   |
| 8.  | members                  |
| 9.  | member                   |
| 10. | member                   |

#### Waste management officer Responsibilities

The waste management officer will be the overall focal person of waste management in college and will be responsible for daily waste management process. The focal person will make sure the safe disposables of college infectious waste through modern scientific methods through incinerator from the source to final disposable point. He will educate the sanitary workers, waste collectors, paramedical

staff and doctors regarding the safe disposal of infectious waste through safe ways. He will make regular rounds of the different departments to make sure the proper management of the waste. He will be in touch with all members and responsible persons for waste disposables.

He will make sure the following rules and regulations and laws for the safe disposal of the college infectious waste.

### Types of waste

The waste generated from college is divided in three different categories.

1) Infectious/hazardous waste.

This type of waste consists of waste generated from laboratories like cottons, alcohol swabs etc.

2) Sharps wastes

This type of waste consists of syringes, cannulas, surgical blades, pathogens etc.

3) General/Municipal waste.

This type of waste consists of plastics, juices boxes, eaten fruit and meat materials, boxes/cottons, papers materials and other eating remains etc.

1) Colored waste bins and garbage bags:

Waste bins & Garbage bags: The waste is categorized in three different colours for the purpose of identification at source.

a) Yellow colour for Infectious waste      b) Red color for Sharps/Glass

b) c) Blue Colour for Municipal/General non infectious waste

2) Colour coded waste bins & garbage bags for different types of wastes i.e.

a) Yellow bags for infectious wastes.

b) Red bags for sharps wastes.

c) Blue bags for the collection of general/municipal waste.

3) Segregation at source, it is the responsibilities of source producer/ waste generators i.e.

Lab attendants, Technical staff & janitorial staff to make sure proper segregation at source to minimize the infectious waste quantity.

4) Education of sanitary workers & other related class-IV staff.

Sanitary workers in all Departments will be educated by the waste management officer and college administration regarding the colour coding and for wearing of proper dress, long shoes, gloves, masks and helmets as they are directly interconnected and responsible for the waste collection transportation and disposal.

5) Waste transportation, it is the responsibility of waste management officer to make sure the proper and safe carriage of waste in proper colour coded garbage.

6) Waste storage rooms area, the waste storage area will be used as per the specified colours indicated for the purpose of identifications.

a. The infectious waste in Yellow garbage bags will be kept yellow coloured door store room.

b. The sharps waste kept in Red garbage bags will be kept in Red coloured door store room.

c. The municipal waste or general garbage waste kept in blue coloured door store room.

7) Incinerator: The infectious and sharps waste will be incinerated in incinerator on daily basis by the incinerator operator in Hayatabad medical complex. The incinerator operator will be responsible for the daily incineration of the waste.

8) Municipal waste/General garbage: It is the responsibility of PDA staff to transport the municipal waste from College to their disposal area through their trucks on daily basis.

#### SOPs for Laboratories

The following SOPs will be observed in all laboratories. For the safe disposal of college infectious biomedical waste. The SOP's of waste management will be fixed neat waste bins for education and implementation posters on written:

Caterizations of waste through different three colored waste bins and coated garbage bags as under.

a) Yellow waste bins and garbage bags for infectious wastes.

b) Red waste bins and garbage bags for sharps wastes.

c) Blue waste bind and garbage bags for the collection of general/municipal waste

#### Segregation:

Segregation of waste is essential & very important practice for the minimization of waste.

There are two type of segregation for the minimization of infectious waste.

1. Segregation at source: it is the responsibility of source i.e. technicians and lab in charge.

2. Segregation at Disposal Point: it is the responsibility of waste management officer to make sure proper and safe segregation at final disposal place.