

# **UTILITY MANAGEMENT PLAN**

## **INTRODUCTION**

Khyber Girls Medical College is an educational institute providing educational services not only to the domestic students from different cities of the of Pakistan but to the foreign students in the best possible manner. The objective of the utility system management plan is to establish, maintain and provide a reliable utility system management to promote a safe, controlled and comfortable environment for the students and employees of the college and the public a large.

A good utility system management shall ensure operational reliability of utility systems and minimize potential risk of utility systems.

## **SCOPE**

The utility system management plan and programs apply to all facilities of Khyber Girls Medical College as listed below. The utility management plan addresses the safe operations, maintenance and emergency response procedures for the critical operating systems.

Utilities include systems for electrical distribution, emergency power, air conditioning and communication systems.

Khyber Girls Medical College facilities covered by this management plan are as follows:

- Mortuary Block : This Block consist of basement , groundfloor , second floor ,third floor and a staircase to the rooftop.

- Main Building of the college : It consists of the 4 floor including the groundfloor. Various departments are assigned various floors.
- Lecture Theatres and Skill lab
- Auditorium and Examination hall.
- PGMED , Cafeteria, Hostel and warden lodges.

## OBJECTIVES

The objectives of the utility management plan include:

- Comply with all relevant safety standards and regulations.
- Provide a safe, controlled and comfortable environment for the students, and staff
- Ensure operational reliability of the utility systems.
- Assess potential risks of the utility systems.
- Provide a plan for response of utility systems failures.
- Effect essential coordination for scheduled utility systems interruptions.
- Enhance maintenance of the utility systems to reduce and minimize failures or interruptions.

The utility system management plan includes provision for inspection, resting, maintenance and repair of all the college facilities including, everyday usage items like office stationary, furniture, electrical equipment's, janitorial service requirements and any other acquisitions according to the given standards by KPPRA (Annex Attached)

## **ELECTRICITY**

The College has a reliable electrical power source. Sources of backup power supplies are in case of emergency power breakdown.

- For electrical power of the college two special lines have been taken from different transformers, one for college and one for the hostel, in case if one breakdowns
- In case of power outage on both of the above mentioned sources of electricity, the standby generators kick in to cater for the power supply needs of the college.

## **GENERATORS**

The College has multiple numbers of standby generators:

- Two numbers of 200 KVA generators for main and PGMED block
- One KVA generator for the forensic block
- One KVA generator for the lecture theatres and skill Lab
- One KVA generator Auditorium and Hostel.

## **WATER SUPPLY**

Likewise, Khyber Girls Medical College has an efficient system and reliable sources of water supply to cater for the needs of the Students and staff round the clock as:

- The College has one tube well and two water supply connections from the main source of Peshawar Development Authority and four water tanks on the roof top of each block
- The hostel is considered as a living area, it has been equipped with a tubewell and to cope up with any emergency additional line has

been drawn from the main source of Peshawar Development Authority to cater the needs of the hostel.

- Addition to that every block has its own understorage tank in order to meet the needs of the students and staff, in case if there is any breakdown. These waterstorages rush fresh water to the upper storage tank for the daily use
- The storage capacity of each water tank is ---- gallons approx.
- In case a water pump becomes faulty, there's always a stand by water pump present in the Store Section of the college as a backup.
  
- Supply line has been extended from tube well which is located in the hostel as a backup for the rest of the college.
- All of the water pumps have generator power supply in case of power outage.
- The pumps are operated by the qualified designated staff of the college as per need on daily basis.
- To ensure the water safety standards are met for consumption, the biological and chemical testing of water is performed every twice a year or at any moment when there is a report of contamination.

## **GAS SUPPLY:**

- Gas supply is an essential component for any institution. Khyber Girls Medical College has acquired two lines from the source of Sui Northern Gas.
- One is of the connections provide supply to the college installations.
- Second connection is dedicated to the hostel to provide the best mess services round the clock in the hostel.