



# Don Bosco College

**Co-Ed** ♦ Affiliated to Thiruvalluvar University ♦ Accredited by NAAC with "A" Grade in Cycle 1  
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## SEWAGE DISPOSAL SYSTEM

### 1. INTRODUCTION

Don Bosco College (Co-Ed), Yelagiri Hills follows a decentralized sewage disposal system suitable for its hilly terrain and campus requirements. The college does not have a centralized Sewage Treatment Plant (STP). Instead, wastewater generated from toilets and restrooms is managed through well-constructed septic tanks to ensure sanitation, environmental safety, and public health.

### 2. EXISTING SEWAGE DISPOSAL INFRASTRUCTURE

- Septic tanks are constructed near toilets and restrooms across the campus.
- Wastewater from washrooms is conveyed through underground pipelines to septic tanks.
- The system functions through natural sedimentation and anaerobic decomposition.
- No untreated sewage is discharged into open areas or nearby water bodies.

### 3. WORKING MECHANISM OF THE SEPTIC TANK SYSTEM

- Collection of sewage from toilets and restrooms through closed drainage lines.
- Primary treatment where solids settle as sludge and lighter materials form scum.
- Anaerobic bacteria partially decompose organic matter.
- Safe containment of wastewater without environmental contamination.

### 4. PERIODIC CLEANING AND MAINTENANCE

- Septic tanks are inspected periodically.
- Desludging is carried out at regular intervals to avoid overflow and blockage.
- Cleaning is coordinated through the college waste management system.
- Authorized service providers ensure hygienic and safe disposal.
- Maintenance records are preserved by the administration.



  
Principal

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## 5. ENVIRONMENTAL AND HEALTH SAFETY MEASURES

- Prevents soil and groundwater pollution.
- Eliminates foul odor and unhygienic conditions.
- Reduces the risk of water-borne diseases.
- Ensures a clean and healthy campus environment.

## 6. ROLE OF WASTE MANAGEMENT SYSTEM

- Schedules and monitors septic tank cleaning.
- Ensures safe and approved disposal practices.
- Avoids unsafe manual handling of sewage.
- Supports clean and green campus initiatives.

## 7. SUSTAINABILITY AND COMPLIANCE

- Low-energy and low-maintenance sewage disposal system.
- Suitable for the geographical conditions of Yelagiri Hills.
- Complies with basic sanitation and environmental protection norms.
- Contributes to sustainable campus management.

## 8. CONCLUSION

Though Don Bosco College (Co-Ed), Yelagiri Hills does not operate a centralized sewage treatment plant, the effective use of septic tanks combined with regular maintenance ensures safe sewage disposal. This system safeguards environmental health, maintains campus hygiene, and reflects the institution's commitment to sustainable and responsible infrastructure management.



  
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