



# Restoration and Disaster-Resilient Rehabilitation of the University of Peradeniya Following the Ditwah Cyclone Floods

## 1. Background and Situation Analysis

Sri Lanka recently experienced severe flooding and landslides triggered by the Ditwah cyclone, causing widespread disruption to lives, livelihoods, and critical infrastructure. Among the most severely affected public institutions was the University of Peradeniya, the country's oldest and largest comprehensive university, located in a geographically sensitive river basin and hilly terrain.

Prolonged heavy rainfall led to flooding, slope failures, erosion, and landslides within the university premises, significantly damaging academic buildings, laboratories, hostels, service facilities, electrical systems, and access infrastructure. The disaster not only interrupted academic and research activities but also posed serious safety risks to students, staff, and surrounding communities.

**The current estimated loss to the University of Peradeniya amounts to approximately LKR 4 billion.**

## 2. Extent of Damage to University Infrastructure

The Ditwah cyclone-induced flooding caused extensive damage across multiple faculties and common facilities of the University of Peradeniya. The Faculty of Management, Faculty of Veterinary Medicine and Animal Sciences, and the Faculty of Agriculture were among the most severely affected, with floodwaters damaging lecture halls, laboratories, libraries, auditoriums, cafeterias, recreational areas, and severely disrupting the electricity supply and internet connectivity. Several retaining walls failed or were critically weakened, increasing the risk of further slope instability and structural damage.

In addition, major common university facilities sustained significant damage, including the University Gymnasium, a key venue for sports activities as well as official events such as graduation ceremonies, the swimming pool, and the main university grounds. Residential infrastructure was also heavily impacted, particularly Sarasavi Medura and Seneka Bibile Halls which together provide accommodation for over 1,300 undergraduate students, resulting in displacement and disruption to student life. Culturally and socially significant landmarks such as the Prof. Ediriweera Sarachchandra Open Air Theatre and essential early childhood facilities including the University Pre-School/Day Care Centre were also damaged. Furthermore, a number of staff quarters and the University Works Department, which is responsible for campus-wide maintenance and repair services, were adversely affected, further constraining recovery efforts.

Of particular concern was the severe impact on the **Veterinary Teaching Hospital**, the **only veterinary teaching hospital in Sri Lanka affiliated with the Faculty of Veterinary Medicine and Animal Sciences**. The hospital was extensively inundated, resulting in the submergence and damage of critical **hospital equipment, theatre tables, and anaesthetic machines**, significantly disrupting veterinary education, clinical training, and essential animal healthcare services at the national level.



Figure 1: University of Peradeniya Gymnasium before and after the flooding



Figure 2. University of Peradeniya Prof. Ediriweera Sarachchandra Open Air Theatre before and after the flooding



Figure 3. Flood damage in the IT Centre, University of Peradeniya



Figure 4. Flood damage to the Department of Animal Science, Faculty of Agriculture, University of Peradeniya



Figure 5. Flood damage to the Centre for Aquatic Animal Disease Diagnosis and Research (CAADDR), Faculty of Veterinary Medicine and Animal Science



Figure 6. Flood damage to the Farm Animal Hospital and the Biochemistry Laboratory, the Faculty of Veterinary Medicine and Animal Science



Figure 7. Flood damage to the Centre for Distance and Continuing Education (CDCE) at University of Peradeniya



Figure 8: Flood damage to the University of Peradeniya Gymnasium



Figure 9. Flood damage to the University Pool

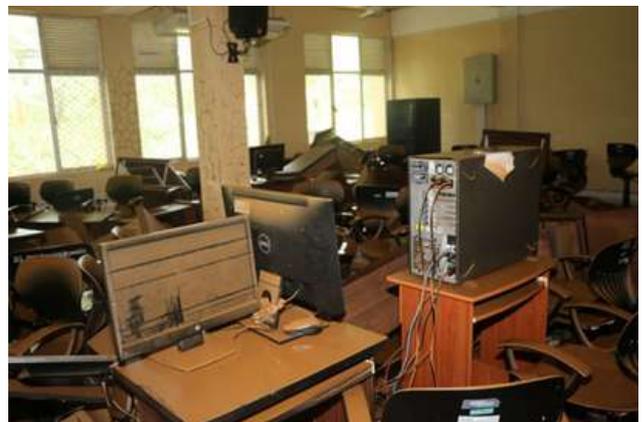


Figure 10. Flood damage to the Faculty of Management, University of Peradeniya





Figure 11. Flood damage to the Works Department, University of Peradeniya

### 3. Problem Statement

The Ditwah cyclone-induced floods exposed critical vulnerabilities in campus infrastructure, slope stability, drainage systems, and emergency preparedness mechanisms. Without timely restoration and disaster-resilient upgrading, the university faces:

- (a) Continued risk of landslides and erosion during future extreme weather events
- (b) Disruption of higher education and research activities
- (c) Loss of valuable scientific equipment and learning resources
- (d) Safety threats to students, staff, and on-campus childcare facilities
- (e) Limited early-warning capacity during emergencies, particularly during power failures

Addressing these challenges requires immediate technical, infrastructural, and institutional interventions aligned with sustainable development and disaster risk reduction principles.

### 4. Overall and Specific Objectives

#### **Overall Objective:**

To restore damaged infrastructure at the University of Peradeniya while strengthening disaster resilience, safety, and preparedness in line with UNESCO's priorities on education, science, and sustainable development.

#### **Specific Objectives:**

1. To rehabilitate flood- and landslide-affected areas using scientifically sound and sustainable engineering solutions.
2. To restore essential academic, service, and utility facilities disrupted by the cyclone.
3. To relocate high-risk facilities to safer locations within the campus.
4. To strengthen campus-wide emergency preparedness and early warning systems.
5. To document the scientific and technical contributions of university staff and students during the disaster response.

## 5. Proposed Restoration and Rehabilitation Plan

The proposed restoration plan will include the following key components:

**(a) Establishment of Gabion Walls**

Construction of gabion retaining structures in identified high-risk areas to control erosion, stabilize riverbanks, and prevent further slope failures.

**(b) Slope Stabilization Measures**

Implementation of slope stabilization techniques based on geotechnical assessments, including drainage improvements, reinforcement, and bioengineering solutions.

**(c) Replacement of Damaged Equipment**

Procurement and installation of essential laboratory, teaching, and service equipment damaged beyond repair by flooding.

**(d) Relocation of Vulnerable Facilities**

Relocation of critical facilities such as the University Daycare Centre and the University Works Department from flood- and landslide-prone zones to safer locations within the campus.

**(e) Replacement of Transformers and Electrical Infrastructure**

Restoration and upgrading of damaged transformers and associated electrical systems to ensure uninterrupted and safe power supply.

**(f) Establishment of a New Emergency Siren System**

Installation of a campus-wide siren and alert system for the Security Office, designed to function during power failures, to enhance emergency communication and evacuation readiness.

## 6. Role of University Staff and Students

During and after the disaster, the **University of Peradeniya played a vital national role** through the expertise and voluntary commitment of its academic staff and students, particularly from the **Departments of Civil Engineering and Geology**.

Key contributions included:

- (a) Rapid assessment and analysis of landslides and slope instability
- (b) Technical advice to university authorities and local agencies
- (c) Field investigations, mapping, and risk analysis
- (d) Student-led and staff-supervised support activities during the emergency phase

The project will support the **documentation and public dissemination** of these contributions to highlight the university's role as a national knowledge hub in disaster response, risk assessment, and resilience building.

## 7. Expected Outcomes

- Restored and disaster-resilient infrastructure across the university campus
- Reduced risk of future flood- and landslide-related damage
- Improved safety for students, staff, and on-campus service users
- Strengthened emergency preparedness and early warning capacity
- Increased public awareness of the role of higher education institutions in disaster risk reduction

## 8. Beneficiaries

- Undergraduate and postgraduate students of the University of Peradeniya
- Academic, administrative, and technical staff
- Children and families using the University Daycare Centre
- Surrounding communities benefiting from expert assessments and risk reduction knowledge

## 9. Alignment with UNESCO Priorities

This proposal aligns closely with UNESCO's strategic priorities, particularly: (a) **Education in emergencies and resilience of education systems**, (b) **Science-based disaster risk reduction and climate adaptation** and (c) **Capacity building and knowledge sharing for sustainable development**

## 10. Implementation and Institutional Capacity

The University of Peradeniya possesses strong institutional capacity, with multidisciplinary expertise in engineering, earth sciences, environmental management, and disaster studies. Implementation will be led by the university administration in collaboration with relevant academic departments and technical experts.

## 11. Transparency, Recognition, and Donor Visibility

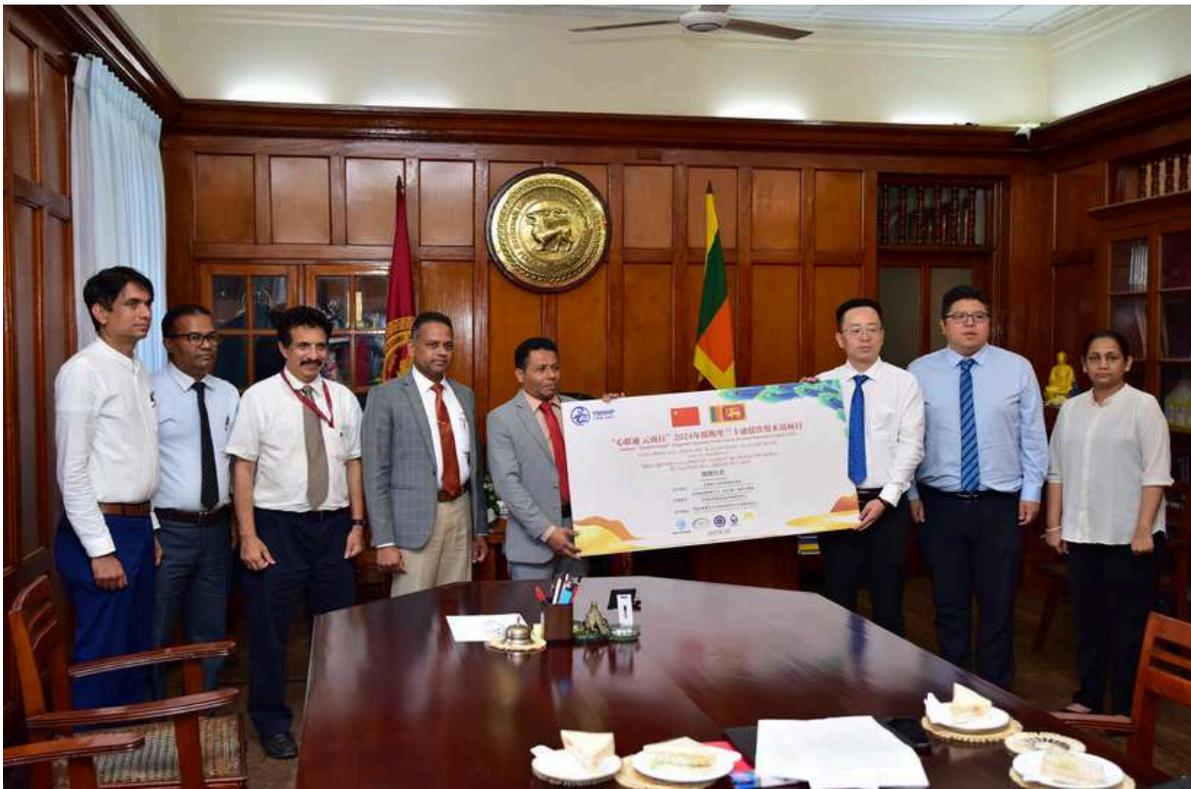
In the interest of transparency and accountability, a **list of donors and the photographs of the donations will be displayed on the official University of Peradeniya website and social media pages**, unless a donor explicitly prefers to remain anonymous. In addition, periodic progress updates and impact summaries will be shared with UNESCO and other stakeholders.

## 12. Conclusion and Appeal for Support

The Ditwah cyclone floods present both a profound challenge and an opportunity to rebuild the University of Peradeniya as a **safer, more resilient, and disaster-ready educational institution**. Support from funding bodies/donors will enable the university to restore critical infrastructure, safeguard its academic mission, and demonstrate the transformative role of science and education in times of crisis.

The University of Peradeniya respectfully seeks your partnership and financial support to realize this restoration and resilience-building initiative for the benefit of present and future generations.

**Total cost for each sub-project is provided in the following pages.**



On February 24, 2025, the handover ceremony for the Yunnan "Hand in Hand" Program – Cleaning Water Service Station Donation Project was held at the University of Peradeniya (UoP).

### 1. Restoration and Commissioning of Electrical Infrastructure

#### MGT 01

- Description: Complete electrical rewiring; replacement of distribution boards and circuit breakers; installation of new sockets and switches; restoration of main and sub power panels; full electrical safety testing; installation of lighting fixtures and establishment of the auditorium lighting system.
- Location: Entire Faculty Premises
- **Estimated Cost: Rs. mn 5 on**

### 2. Network Infrastructure Reconstruction

#### MGT 02

- Description: Installation of new fibre and copper cabling; replacement of network switches and routers; server racks; restoration of wired and wireless (WIFI) network connectivity.
- Location: Faculty Premises
- **Estimated Cost: Rs. mn 2**

### 3. Establishment and Commissioning of Telephone System

#### MGT 03

- Description: Repair and replacement of intercom systems and direct telephone lines, including the installation of 10 direct lines and 20 intercom connections.
- Location: Three Buildings
- **Estimated Cost: Rs. mn 1**

#### 4. Repair of Lobby, Water Tanks, Fire Extinguishers & Fire Alarm System and Replacement of Cameras

##### MGT 04

- Description: Provision of lobby furniture (cushioned chairs, televisions, digital notice board, reception table); installation of 5000-liter water tanks; installation of new fire extinguishers and upgrading of the fire alarm system; and procurement and installation of 3 cameras (2 video and 1 still).
- Location: Three Buildings
- **Estimated Cost: Rs.mn 10**

#### 5. Road Repairs

##### MGT 05

- Description: Cleaning, leveling, and carpeting of internal access roads, including the main entrance road.
- Location: Faculty Road Network
- **Estimated Cost: Rs. mn 3**

#### 6. Repairing Walls & Painting

##### MGT 06

- Description: Surface preparation with putty application; high-quality interior and exterior wall and ceiling painting.
- Location: Three Buildings
- **Estimated Cost: Rs. mn 2**

#### 7. Renovation of Dean's Room, Office of the Dean and Accounts Branch

##### MGT 07

- Description: Provision of laptop (6), smart board (1), sofa set (1), conference table (1) and chairs (6), cupboards (5), AC (1), printers, multi-purpose photocopiers, high-back chair, office furniture, and workspace reorganization.
- **Estimated Cost: Rs mn 7.5**

### 8. Common Room Development MGT 08

- Description: Installation of furniture and pantry facilities, including plates (40), cups & saucers (100), electric kettles (2), a water purification system, a dining table (1) and chairs (6), and a large-scale flask (1).
- **Estimated Cost: Rs Mn 0.3**

### 9. Board Room Refurbishment and Committee Room MGT 09

- Description: Installation of conference furniture; setup of multimedia presentation system; AC installation; audio-video conferencing system integration.
- **Estimated Cost: Rs Mn 0.5**

### 10. Digitalization of Faculty Administration MGT 10

- Description: Installation of a customized ERP system for all faculty administration including students' affairs.
- Location: Customized ERP
- **Estimated Cost: Rs. mn 1**

### 11. Lecturers' Rooms Enhancement MGT 11

- Description: Provision and installation of 30 laptops, 30 tables, and 20 storage cupboards for academic staff.
- **Estimated Cost: Rs. mn 9**

### 12. Examination Printing Unit Setup MGT 12

- Description: Procurement and installation of a photocopier (1), RISO Machines (2), a Ricoh Machine (1); configuration of equipment; provision of required furniture.
- **Estimated Cost: Rs. mn 2.4**

### 13. IT Laboratory Reconstruction (02 Labs) MGT 13

- Description: Installation of 165 new desktop computers, 2 servers, a video-editing workstation, 165 computer tables, complete electrical rewiring, UPS backup systems, structured network cabling, fans, AC units, and an interactive smart board.
- Location: Two IT Labs
- **Estimated Cost: Rs. mn 37**

#### 14. LMS Upgrade MGT 14

- Description: Installation and configuration of new server hardware; upgrading, optimizing, and restoring the Learning Management System (LMS) including data recovery.
- Location: Server and other required equipment
- **Estimated Cost: Rs. mn 2.5**

#### 15. Lecture Room Restoration (LR 04–08) MGT 15

- Description: Provision and installation of 5 smart boards and laptops to enhance interactive teaching and learning environments.
- **Estimated Cost: Rs. mn 3**

#### 16. Innovation Cocreation Cell (ICC) Upgrading MGT 16

- Description: Integration of a Smart Panel 95' inch (1); repair or installation of AC Unit (2); setup of a modern Video Conference System (1).
- **Estimated Cost: Rs. mn 1.8**

#### 17. Restoration of Simulation Lab MGT 17

- Description: Provisions to restore the simulation lab with 15 computers, simulation software, furniture and fittings, and equipment (15).
- **Estimated Cost: Rs. mn 5**

#### 18. Restoration of Dept of Operations Management MGT 18

- Description: Provision of photocopiers to restore departmental operational capacity. Equipment includes: Photocopiers (02), PC Unit (02), Tables (01).
- **Estimated Cost: Rs. mn 0.8**

#### 19. Restoration of Dept of Business Finance MGT 19

- Description: Provision of laptops and photocopiers to restore departmental operational capacity. Equipment includes: Laptops (01), Photocopiers (01), PC Units (02), Tables (02).
- **Estimated Cost: Rs. mn 0.8**

**20. Restoration of Dept of Marketing Management MGT 20**

- Description: Provision of laptops and photocopiers to restore departmental operational capacity. Equipment includes: Laptops (01), Photocopiers (01), PC Unit (02), Tables (02).
- **Estimated Cost: Rs. mn 0.8**

**21. Restoration of Dept of Human Resource Management MGT 21**

- Description: Provision of laptops and photocopiers to restore departmental operational capacity. Equipment includes: Laptops (01), Photocopiers (01), PC Unit (02), Tables (02).
- **Estimated Cost: Rs. mn 0.8**

**22. Restoration of Dept of Management Studies MGT 22**

- Description: Provision of laptops and photocopiers to restore departmental operational capacity. Equipment includes: Laptops (01), Photocopiers (01), PC Unit (02), Tables (2).
- **Estimated Cost: Rs. mn 0.8**

**23. AB 01 Upgrading MGT 23**

- Description: Installation of a smart panel to enhance teaching and presentation functions.
- **Estimated Cost: Rs. mn 0.8**

**24. AB 02 Upgrading MGT 24**

- Description: Installation of a smart panel to strengthen academic delivery and digital integration.
- **Estimated Cost: Rs. mn 0.8**

**1. Consultancy on conceptual and architectural design for new teaching complex (VET01)**

- Relocation and consolidation of flood prone facilities of FVMAS to designated site adjacent to Veterinary Teaching Hospital- Companion Animal (VTH-CA)
- Initiated and needs are being identified
- Progress: 5%
- **Approximate Recovery Cost: Rs. mn 2.5**

**2. Construction of new teaching complex (VET02)**

- Relocation and consolidation of flood prone facilities of FVMAS to designated site adjacent to Veterinary Teaching Hospital- Companion Animal (VTH-CA)
- **Approximate Recovery Cost: Rs. mn 2,500**

**3. Procurement of furniture, office, and teaching equipment for the new teaching complex (VET03)**

- Relocation and consolidation of flood prone facilities of FVMAS to designated site adjacent to Veterinary Teaching Hospital- Companion Animal (VTH-CA)
- **Approximate Recovery Cost: Rs. mn 100**

**4. Refurbishment of ground floors of DFAPH & VTH-FA (VET04)**

- Restoration of classroom teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the DFAPH & VTH-FA - Ground Floors
- Partially committed by the Vet Alumni
- Progress: 10%
- **Approximate Recovery Cost: Rs. mn 10**

**5. Restoration of internet and communication facilities at the DFAPH & VTH-FA (VET05)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the DFAPH & VTH-FA
- **Approximate Recovery Cost: Rs. mn 2.5**

**6. Procurement of drugs, chemicals, and consumables - DFAPH & VTH-FA (VET06)**

- Restoration of class room teaching, practical training, clinical training, ongoing research and service functions at the DFAPH & VTH-FA
- Partially committed by the SLVA
- Progress: 20%
- **Approximate Recovery Cost: Rs. mn 5**

**7. Procurement of laboratory and clinical/surgical equipment - DFAPH & VTH-FA (VET07)**

- Restoration of practical training, clinical training, ongoing research, and service functions at the DFAPH & VTH-FA
- **Rs.1.5 mn committed**
- **Approximate Recovery Cost: Rs. mn 100**

**8. Repairing of affected laboratory and clinical/surgical equipment - DFAPH & VTH-FA (VET08)**

- Restoration of practical training, clinical training, ongoing research, and service functions at the DFAPH & VTH-FA
- Progress: 10%
- **Approximate Recovery Cost: Rs. mn 5**

**9. Procurement of furniture and office equipment - DFAPH & VTH-FA (VET09)**

- Restoration of service functions and administrative works at the DFAPH & VTH-FA
- **Approximate Recovery Cost: Rs. mn 5**

**10. Refurbishment of one-health laboratory - DFAPH & VTH-FA (VET10)**

- Restoration of class room teaching, practical training, ongoing research, and service functions at the DFAPH & VTH-FA
- **Approximate Recovery Cost: Rs. mn 1**

**11. Refurbishment of Sales center - DFAPH (VET11)**

- Restoration of service functions and administrative works at the DFAPH
- **Approximate Recovery Cost: Rs. mn 1.5**

**12. Refurbishment of Centre for Aquatic Animal Disease Diagnosis and Research (CAADDR) (VET12)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR and MD-DVPB
- **Approximate Recovery Cost: Rs. mn 5**

**13. Restoration of internet and communication facilities - CAADDR and MD-DVPB (VET13)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR and MD-DVPB
- **Approximate Recovery Cost: Rs. mn1.5**

**14. Refurbishment of postmortem room - PR-DVPB (VET14)**

- Restoration of practical training, clinical training, ongoing research, service functions, and administrative works at PR-DVPB
- **Approximate Recovery Cost: Rs. mn 6**

**15. Procurement of drugs, chemicals, consumables - CAADDR, MD-DVPB and PR-DVPB (VET15)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR, MD-DVPB and PR-DVPB
- Partially committed by the SLVA
- **Approximate Recovery Cost: Rs. mn 5**

**16. Replacement of positive-control materials and reference cultures - CAADDR and MD-DVPB (VET16)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR and MD-DVPB
- Partially committed by the SLVA
- **Approximate Recovery Cost: Rs. 5 Million**

**17. Procurement of laboratory and clinical equipment - CAADDR, MD-DVPB and PR-DVPB (VET17)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR, MD-DVPB and PR-DVPB
- **Approximate Recovery Cost: Rs. mn 50**

**18. Repairing of affected laboratory and clinical equipment - CAADDR, MD-DVPB and PR-DVPB (VET18)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR, MD-DVPB and PR-DVPB
- Sent for repair to the local agents
- Progress: 5%
- **Approximate Recovery Cost: Rs. mn 5**

**19. Procurement of furniture and office equipment - CAADDR, MD-DVPB and PR-DVPB (VET19)**

- Restoration of class room teaching, practical training, clinical training, ongoing research, service functions, and administrative works at the CAADDR, MD-DVPB and PR-DVPB
- **Approximate Recovery Cost: Rs. mn 3**

**20. Refurbishment of fish ponds, aquarium and museum - CAADDR (VET20)**

- Restoration of practical training, clinical training, ongoing research and service functions at the CAADDR
- **Approximate Recovery Cost: Rs. mn 3**

**21. Refurbishment of Bio-DBVS (VET21)**

- Restoration of practical training, ongoing research, service functions and administrative works at Bio-DBVS
- Committed by PetsVCare and VetGrow
- Progress: 50%
- **Approximate Recovery Cost: Rs. mn 2.2**

**22. Procurement of chemicals and consumables for Bio-DBVS (VET22)**

- Restoration of practical training, ongoing research, service functions and administrative works at Bio-DBVS
- Committed by SLVA
- Progress: 20%
- **Approximate Recovery Cost: Rs. mn 0.7**

**23. Procurement of laboratory equipment for Bio-DBVS (VET23)**

- Restoration of practical training, ongoing research, service functions and administrative works at Bio-DBVS
- **Approximate Recovery Cost: Rs. mn 45**

**24. Repairing of affected laboratory equipment - Bio-DBVS (VET24)**

- Restoration of class room teaching, practical training, ongoing research, service functions and administrative works at Bio-DBVS
- Initiated with the help of Vet Alumni
- Progress: 2%
- **Approximate Recovery Cost: Rs. mn 5**

**25. Procurement of furniture and office equipment - Bio-DBVS (VET25)**

- Restoration of service functions and administrative works at Bio-DBVS
- **Approximate Recovery Cost: Rs. mn 0.5**

**26. Refurbishment of WATMRU-DVCS (VET26)**

- Restoration of teaching, clinical training, and service function at WATMRU-DVCS
- **Approximate Recovery Cost: Rs. mn 1**

**27. Procurement of restraining equipment - WATMRU-DVCS (VET27)**

- Restoration of teaching, clinical training, and service function at WATMRU-DVCS
- **Approximate Recovery Cost: Rs. mn 0.5**

**28. Repairing of perimeter fence and enclosures - WATMRU-DVCS (VET28)**

- Restoration of teaching, clinical training, and service function at WATMRU-DVCS
- **Approximate Recovery Cost: Rs. mn 1**

**29. Refurbishment of Canteen and Kitchen (VET29)**

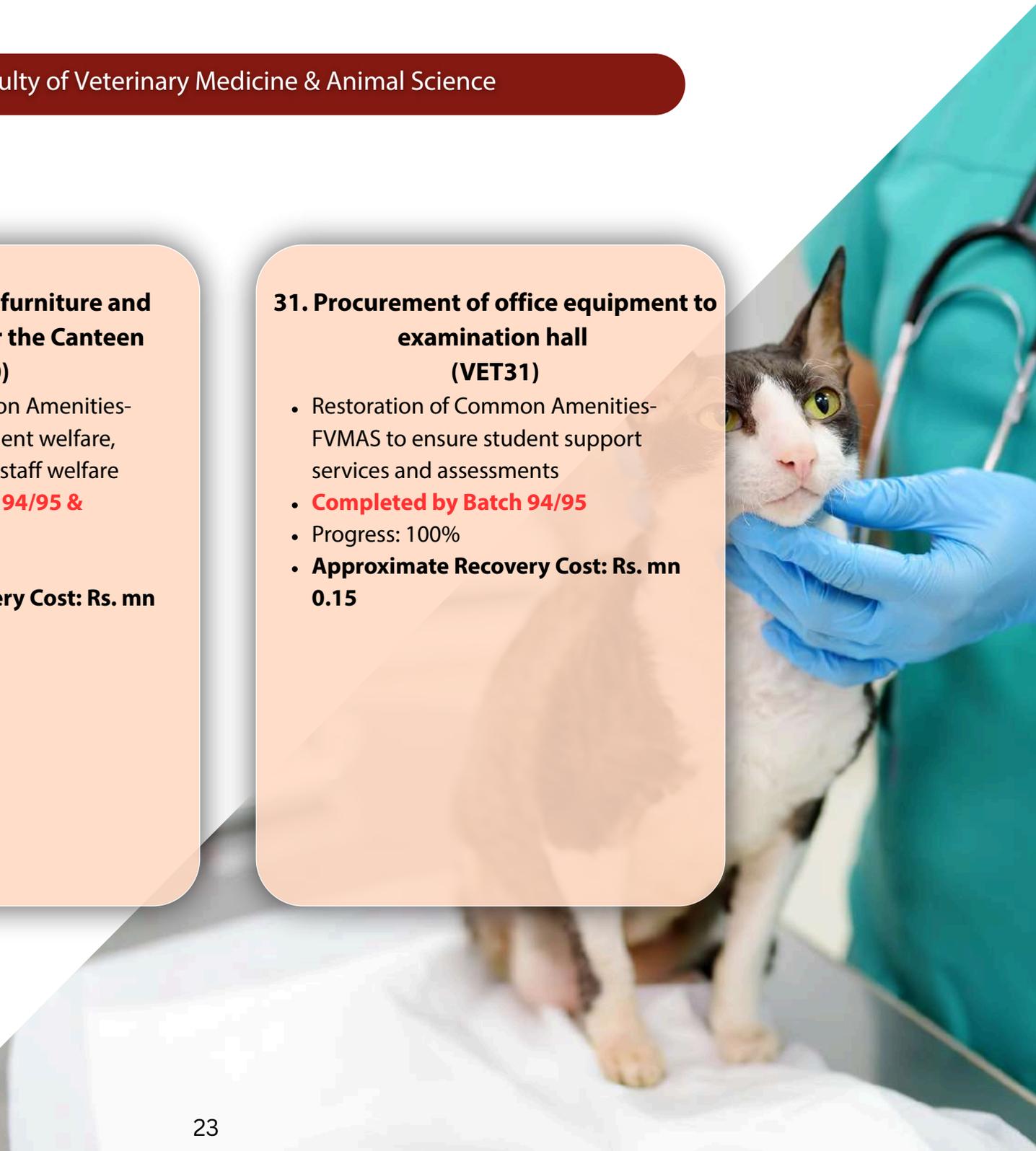
- Restoration of Common Amenities-FVMAS to ensure student welfare, support services and staff welfare
- **Completed by Batch 94/95**
- Progress: 100%
- **Approximate Recovery Cost: Rs. mn 0.6**

**30. Procurement of furniture and kitchen utensils for the Canteen (VET30)**

- Restoration of Common Amenities-FVMAS to ensure student welfare, support services, and staff welfare
- **Completed by Batch 94/95 & University**
- Progress: 100%
- **Approximate Recovery Cost: Rs. mn 0.91**

**31. Procurement of office equipment to examination hall (VET31)**

- Restoration of Common Amenities-FVMAS to ensure student support services and assessments
- **Completed by Batch 94/95**
- Progress: 100%
- **Approximate Recovery Cost: Rs. mn 0.15**



### 1. Department of Agricultural Biology (AGR01)

- Essential chemicals and laboratory consumables to restart the academic program following the week-long power failure that destroyed supplies.
- E.g., PCR Master mix, primers, DNA ladders, pGEM(R)-T Easy Vector System II including JM109 Competent cells, Restriction enzymes, Proteinase K, GoScript Reverse transcription system, Type-it HRM PCR kit, Sybr Green PCR Kit, cDNA synthesis kit, RotorGene SYBR Green PCR Kit, Glycogen, Trolox- 6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid, Restriction Enzyme – Pst I, Bam HI, SAI I, Hae III, Dra I, Ligase, etc.
- **Approximate Recovery Cost: Rs. 10,720,662**

### 2. Department of Agricultural Engineering (AGR02)

- Two essential farm vehicles require urgent servicing and maintenance to support hands-on training.
- Four Wheel Tractor - Replacement of oil and full service is needed
- **Approximate Recovery Cost: Rs. 400,000**

### 3. Department of Agricultural Engineering (AGR03)

- Two essential farm vehicles require urgent servicing and maintenance to support hands-on training.
- Two Wheel Tractor - Replacement of oil and full service is needed
- **Approximate Recovery Cost: Rs. 200,000**

### 4. Department of Agricultural Engineering (AGR04)

- The Department of Agricultural Engineering has sustained additional losses due to damage to buildings and vehicles at the Meewathura Farm/Experimental Station
- Roof, windows and walls are damaged in the storage utility building. Rehabilitation of the building since the building is in dilapidated condition
- **Approximate Recovery Cost: Rs. mn 20**

### 5. Department of Animal Science - Laboratory and Support Infrastructure Improvement (AGR05)

- Three integrated rehabilitation packages will upgrade laboratory infrastructure and key dairy and meat processing facilities in the Department of Animal Science, strengthening practical training opportunities for students.
- Cold Room & Freezer Infrastructure, Restoration of Poultry Research Unit, Laboratory Animal Research Unit and Sea Weed Cultivation Unit, Furniture, Chemicals etc.
- **Approximate Recovery Cost: Rs. mn 27.45**

### 6. Department of Animal Science - Dairy Processing Laboratory (AGR06)

- Three integrated rehabilitation packages will upgrade laboratory infrastructure and key dairy and meat processing facilities in the Department of Animal Science, strengthening practical training opportunities for students.
- Batch-type ice cream freezer, Milk chilling tank, Laboratory pasteurizer, Yogurt incubator, Cheese vat and cutters
- **Approximate Recovery Cost: Rs. mn 12.38**

### 7. Department of Animal Science - Meat Processing Laboratory (AGR07)

- Three integrated rehabilitation packages will upgrade laboratory infrastructure and key dairy and meat processing facilities in the Department of Animal Science, strengthening practical training opportunities for students.
- Meat grinder, Sausage stuffer, Bowl chopper, Vacuum tumbler, and Smoke oven, including all essential meat and fish processing machinery
- **Approximate Recovery Cost: Rs. mn 31.2**

### 8. Department of Animal Science (AGR08)

- The Department of Animal Science has sustained additional losses due to damage to the department building, vehicles, generator, elevator, and CCTV system
- **Approximate Recovery Cost: Rs. mn 15**

### 9. Department of Soil Science (AGR09)

- The Department's Soil Science Microbiology Laboratories require a coordinated package of investments to restore full teaching and research capacity. Priority needs include cold storage and sterilization facilities in the Soil Microbiology Laboratory to maintain microbial cultures, together with advanced analytical equipment and other specialized instruments for soil and microbial analysis.
- Complete restoration of soil microbiology, and soil chemistry laboratories—the research and teaching hub for a department training 200+ undergraduates annually and conducting critical research on soil sustainability.
- **Approximate Recovery Cost: Rs. mn 34.192**

### 10. Department of Soil Science (AGR10)

- The Department's Soil Science Microbiology Laboratories require a coordinated package of investments to restore full teaching and research capacity. Priority needs include cold storage and sterilization facilities in the Soil Microbiology Laboratory to maintain microbial cultures, together with advanced analytical equipment and other specialized instruments for soil and microbial analysis.
- The Department of Soil Science has sustained additional losses due to damage to the laboratory building and vehicles
- **Approximate Recovery Cost: Rs. mn 95**

### 1. Administration Buildings (ENG 01)

- Level of Damage: Partial
- Description of Damage: Roof of one building, which is the iconic administrative building of the Faculty of Engineering, University of Peradeniya.
- Recovery Action: Repair.
- **Recovery Cost: Rs. mn 10**

### 2. Walls / Retaining Walls (ENG 02)

- Level of Damage: Full
- Description of Damage: The Nanu-Oya bordering the north end of the Faculty of Engineering has eroded into the Faculty Border. The stormwater at building level has flown down, washing away some parts of the soil.
- Recovery Action: Construct.
- **Recovery Cost: Rs. mn 45**

### **1. Walls / Retaining Walls (Main Administrative Building) (AHS 1)**

- Level of Damage: Partial
- Description of Damage: Structural cracks (38 visible across the three-storey structure) and ongoing erosion around the Main Administrative Building, which is built on non-original, unstable soil. The erosion poses a progressive risk to the foundation, leading to potential structural failure and collapse, especially during heavy rainfall.
- Recovery Action: Immediately construct a retaining wall on three sides of the Main Administrative Building to eliminate the risk of future structural failure and safeguard operations.
- **Recovery Cost: Rs. mn 20**

### **2. Walls / Retaining Walls (Land Behind the Student Canteen) (AHS 2)**

- Level of Damage: Partial
- Description of Damage: Erosion of the land behind the Student Canteen, presenting a significant landslide risk, particularly during periods of intense rainfall, which could damage the canteen structure.
- Recovery Action: Expedite the construction of a retaining wall behind the student canteen to stabilize the slope and prevent landslides from impacting the facility.
- **Recovery Cost: Rs. mn 10**

### **3. Walls / Retaining Walls (Pharmaceutical Laboratory Building Complex) (AHS 3)**

- Level of Damage: Partial
- Description of Damage: The Pharmaceutical Laboratory Complex, Department of Pharmacy, lacks a retaining wall, leaving the structure without adequate lateral support. This poses a risk of soil erosion, ground movement, and potential instability during adverse weather conditions.
- Recovery Action: Immediately design and construct a suitable retaining wall to provide essential structural reinforcement and safeguard the building from future damage.
- **Recovery Cost: Rs. mn 10**

**1. Any Other Equipment - Underground fuel sump (DSC 01)**

- Level of Damage: Partial
- Description of Damage: Underground fuel sump with over 3,300 liters of diesel was flooded, and the diesel filter was affected.
- Recovery Action: 1. Replace filters. 2. Clean and re-fill the fuel sump.
- **Recovery Cost: Rs. mn 1**



**1. Walls / Retaining Walls (Psychology Department Building) (ART 01)**

- Level of Damage: Partial
- Description of Damage: Partial collapse of retaining wall and sinking of soil bank at the Psychology Department Building.
- Recovery Action: Reconstruction of Concrete Retaining wall.
- **Recovery Cost: Rs. mn 15**

**2. Walls / Retaining Walls (Kannangara Building) (ART 02)**

- Level of Damage: Minimal
- Description of Damage: Partial structural cracks in the building wall of the 7-story Kannangara Building.
- Recovery Action: Parapet Retaining Wall and any other protective measures.
- **Recovery Cost: Rs. mn 150**

### 1. ICT Equipment (PHS 01)

- Level of Damage: Partial
- Description of Damage: 2 Sound Baffles.
- Recovery Action: Repair and Replace.
- Approximate Recovery Cost (Rs. mn): 0.2

### 2. Any Other Equipment - UPS (PHS 02)

- Level of Damage: Full
- Description of Damage: 2 UPS units.
- Recovery Action: Replace.
- **Recovery Cost: Rs. mn (Missing)**

### 3. Any Other Damages (PHS 03)

- Level of Damage: Full
- Description of Damage: A number of essential items were lost due to the floods. These include books, notebooks, and diaries, along with a variety of writing tools such as pens, pencils, and markers. Important folders, files, and document holders were also damaged, together with several office supplies including staplers, paper packs, calculators, and rulers. Electronic equipment suffered significant damage as well, with previously used laptop computers and a desktop being rendered unusable. Additionally, chargers, cables, and related accessories were lost, along with external storage devices such as pen drives and hard drives. Several other small electronic items were also affected and destroyed due to water exposure.
- Recovery Action: Replace.
- **Recovery Cost: Rs. mn 1.5**

### 1. Furniture (CDC 01)

- Level of Damage: Full
- Description of Damage: 5 Computer Tables, 2 Office Tables, 35 Student Desks, 2 Chairs.
- Recovery Action: Repair and Replace.
- **Recovery Cost: Rs. mn 0.51**

### 4. Internet Connection / System (CDC 04)

- Level of Damage: Partial
- Description of Damage: Routers, Switches.
- Recovery Action: Repair.
- **Recovery Cost: Rs. mn 7**

### 2. Any Other Equipment (CDC 02)

- Level of Damage: Full
- Description of Damage: 3 Duplo Machines, 2 Photocopy Machines, 1 Paper Shredder, 1 Paper Collecting Machine, 1 Mobile Sound System, 1 Vacuum Cleaner, 1 Refrigerator, 1 Microwave Oven, 1 Pressure Gun, 1 Generator.
- Recovery Action: Repair and Replace.
- **Recovery Cost: Rs. mn 8.5**

### 3. Electricity System (CDC 03)

- Level of Damage: Partial
- Description of Damage: Main switches, Panel Boards, Electrical sockets.
- Recovery Action: Repair and Replace.
- **Recovery Cost: Rs. mn 5**

### 5. Other Damages (CDC 05)

- Level of Damage: Full
- Description of Damage: Stationary items at stores.
- Recovery Action: Replace.
- **Recovery Cost: Rs. mn 7**

## Gymnasium and the swimming pool

### 1. Gymnasium (Wooden Floor) (GYM 01)

- Level of Damage: Partial
- Description of Damage: Wooden floor is warped (60x30m).
- Recovery Action: Attempt to recover through drying, cutting, and polishing with termiticide treatment; full replacement if recovery fails.
- **Recovery Cost (Rs. mn): Termiticide treatment (3), cutting and polishing (3), or Replacement (50)**

### 2. Gymnasium (Weight Training Area) (GYM 02)

- Level of Damage: Partial
- Description of Damage: Weight training area is partially damaged.
- Recovery Action: Servicing and restoration.
- **Recovery Cost: Rs. mn 1.5**

### 3. Gymnasium (Wiring) (GYM 03)

- Level of Damage: Partial
- Description of Damage: Wiring.
- Recovery Action: Re-wiring.
- **Recovery Cost: Rs. mn 0.2**

### 4. Swimming Pool (GYM 04)

- Level of Damage: Partial
- Description of Damage: Damage to the swimming pool structure, retaining wall, and 4 pool pumps.
- Recovery Action: Restoration of retaining wall; repair of pool pumps (servicing, drying, and replacement of electronic components/panel boards). Potential full replacement and new retaining wall erection.
- **Recovery Cost (Rs. mn): Servicing and drying/electronic components (1), panel boards (1), Replacement (10), New retaining wall/compaction (15)**

### 5. Playgrounds (GYM 05)

- Level of Damage: Partial
- Description of Damage: Damaged electrical systems, jogging track, completely damaged jumping mattresses, and compromised drainage system.
- Recovery Action: Replace electricals and jumping mattresses; restore jogging track and drainage system.
- **Recovery Cost (Rs. mn): Electrical restoration (1), Jogging track inclusive of Gabion wall erection (300), Mattresses (0.2), Drainage system restoration (15)**

### 1. Sarasavi medura (800 capacity hall) (HST 01)

- Level of Damage: Partial
- Description of Damage: Structural stability concerns and damaged furniture.
- Recovery Action: Replacement of furniture and erection of a retaining wall to ascertain the stability of the hostel.
- Approximate Recovery Cost (Rs. mn): Replacement cost of furniture and accessories (10), Erection of an emergency exit and two bridges (6)
- **(Received donations: 144 mattresses worth Rs. 950, 000.00) AAUP**

### 2. Senaka Bibile Hall (500 capacity hall) (HST 02)

- Level of Damage: Minimal
- Description of Damage: Washing out a section near the cafeteria.
- Recovery Action: Retaining wall has to be built.
- **Recovery Cost (Rs. mn): Retaining wall (3)**

### 1. Buildings (ICT 01)

- Level of Damage: Full
- Description of Damage: Lower ground floor flooded (1.8m), with silt, mud, and interior damage.
- Recovery Action: Restore and rehabilitate interior spaces.
- **Recovery Cost (Rs. mn): 2**

### 2. Furniture (ICT 02)

- Level of Damage: Full
- Description of Damage: 30 tables and 10 chairs destroyed.
- Recovery Action: Replace furniture.
- **Recovery Cost (Rs. mn): 2.1**

### 3. ICT Equipment (ICT 03)

- Level of Damage: Full
- Description of Damage: 4 Servers, 1 VoIP Server, 30 Workstations, UPS units, and network fully damaged.
- Recovery Action: Replace all ICT equipment.
- **Recovery Cost (Rs. mn): 50.84**

### 4. Any Other Equipment (Generator) (ICT 04)

- Level of Damage: Partial
- Description of Damage: Generator partially exposed to water, requiring repair.
- Recovery Action: Repair / rehabilitate generator.
- **Recovery Cost (Rs. mn): 3**

### 5. Sanitation Facilities (ICT 05)

- Level of Damage: Partial
- Description of Damage: Sanitary lines and fittings flooded and contaminated.
- Recovery Action: Replace fixtures and restore sanitation.
- **Recovery Cost (Rs. mn): 1**

### 6. Electricity System (ICT 06)

- Level of Damage: Partial
- Description of Damage: Electrical wiring, sockets damaged; sub-circuits failed.
- Recovery Action: Rewire and replace circuits.
- **Recovery Cost (Rs. mn): 10**

### 7. Internet Connection / System (ICT 07)

- Level of Damage: Full
- Description of Damage: Network backbone, cabling, 15 switches, 2 racks, 13 patch panels, and IP system destroyed.
- Recovery Action: Replace full network layer.
- **Recovery Cost (Rs. mn): 50**

### 8. AC Machines and Systems (ICT 08)

- Level of Damage: Full
- Description of Damage: Four 48,000 BTU AC units inundated; cooling system failed.
- Recovery Action: Replace AC units.
- **Recovery Cost (Rs. mn): 2**

### 9. Walls / Retaining Walls (ICT 09)

- Level of Damage: Partial
- Description of Damage: Moisture seepage and plaster damage on walls.
- Recovery Action: Repair damaged walls.
- **Recovery Cost (Rs. mn): 1**

### 1. Recreation Areas (WDT 01)

- Level of Damage: Full
- Description of Damage: (Missing)
- Recovery Action: Repair.
- **Recovery Cost (Rs. mn): 100**

### 2. Other Buildings (WDT 02)

- Level of Damage: Partial
- Description of Damage: Buildings completely flooded, with damage to the wall, roof, ceiling, retaining walls, structures, boundary fences, electronic items, tools, and office furniture.
- Recovery Action: Relocate and newly construct Works Department buildings.
- **Recovery Cost (Rs. mn): New construction to relocate (200), Replacing electronic and other tools/equipment (10), Furniture (4)**

### 3. ICT Equipment (WDT 03)

- Level of Damage: Full
- Description of Damage: 40 Computers, Printers, and Photocopiers.
- Recovery Action: Repair and Replace.
- **Recovery Cost (Rs. mn): 10**

### 4. Any Other Equipment (WDT 04)

- Level of Damage: Full
- Description of Damage: Power Tools and Maintenance equipment.
- Recovery Action: Repair and Replace.
- **Recovery Cost (Rs. mn): 10**

### 5. Sanitation Facilities (WDT 05)

- Level of Damage: Full
- Description of Damage: Sanitary lines and fittings flooded and contaminated.
- Recovery Action: Repair and Replace.
- **Recovery Cost (Rs. mn): 0.5**

### 6. Sanitation Facilities (Plumbing) (WDT 06)

- Level of Damage: Partial
- Description of Damage: Plumbing and general repair.
- Recovery Action: Repair and Replace.
- **Recovery Cost (Rs. mn): 0.3**

### 7. Electricity System (WDT 07)

- Level of Damage: Full
- Description of Damage: Main switches, panel boards, and electrical sockets.
- Recovery Action: Repair and Replace.

• **Recovery Cost (Rs. mn): 0.3**

### 8. Internal Roads (WDT 08)

- Level of Damage: Full
- Description of Damage: Main entrance road.
- Recovery Action: Repair.

• **Recovery Cost (Rs. mn): 0.2**

### 9. Walls / Retaining Walls (WDT 09)

- Level of Damage: Partial
- Description of Damage: Retaining wall damage.
- Recovery Action: Repair.

• **Recovery Cost (Rs. mn): 5**

### 10. Vehicles (WDT 10)

- Level of Damage: Partial
- Description of Damage: 2 Tractors.
- Recovery Action: Repair.

• **Recovery Cost (Rs. mn): 5**

### 11. Any Other Damages (WDT 11)

- Level of Damage: Partial
- Description of Damage: Electrical Items (Bulbs, Panel Boards), Hardware (Cement, Paints, Thinner), Water Tanks, Computers, Laptops, and Photocopiers.
- Recovery Action: Replace.
- **Recovery Cost (Rs. mn): Replace (30), Relocation of stores building (40)**

## Other Buildings

### 1. Open air theater (OTH 01)

- Level of Damage: Full
- Description of Damage: Green room is damaged thus needs to be replaced.
- Recovery Action: Replacement of the existing green room.

• **Recovery Cost (Rs. mn): 50**

### 2. Security and Landscape Division (OTH 02)

- Level of Damage: Minimal
- Description of Damage: Collapse of retaining wall and sinking of soil bank.
- Recovery Action: Relocation.

• **Recovery Cost (Rs. mn): 75**

### 3. Staff quarters (2 nos) (OTH 03)

- Level of Damage: Partial
- Description of Damage: Building completely flooded.
- Recovery Action: Repairs to the walls, columns, and floor.

• **Recovery Cost (Rs. mn): (Missing)**

### 4. Pre-school (OTH 04)

- Level of Damage: Partial
- Description of Damage: Damages to the suspended ceiling, door locks and glass sashes, furniture, walls, toys and stationery, appliances, and electronic items.
- Recovery Action: Replacement of appliances and other items, mending the ceiling, and painting of walls.

• **Recovery Cost (Rs. mn): Replacement of items (1.2), mending the ceiling and wall painting (2)**

- Level of Damage: Partial
- Description of Damage: Funding is needed to replace the following items of the university electricity ring substation due to an electricity outage caused by floods: 1. Supply, install, and commission one input, two output, 11 kV, 1 MVA Ring Main Unit (RMU). 2. Supply, install, and commission an Earth fault and over-current protection system with panel, relay, auxiliary circuits, indicators, and displays covering one 1 MVA port and the two 500 kVA ports of the RMU. 3. Additional 11 kV cabling from RMU to 500 kVA transformers (approximately 10m).
- Recovery Action: Repair and Replace.
- **Recovery Cost (Rs. mn): 8**