

UNIT MANAGEMENT PLAN

DARBHANGA COLLEGE OF ENGINEERING, MABBI, DARBHANGA

Sl. No	Environmental Aspect	Management Issues to be considered	Details of activity to be performed	Responsibility/ official	Time line or completion date	Evidence/Verification	Remarks
1.	Drinking Water	Cleaning and repair of tanks (all overhead tanks) in the premises	Cleaning and maintenance of roof tanks	Prof. Rohit Soni	As and when required		
			Testing of water from all taps/ water tanks	Dr. Geevargese Jacob	06 months		
			Water cooling system cleaning and Maintenance	Prof. Prashant Kumar	06 months		
			Annual maintenance of water purification system	Prof. Prashant Kumar	12 months		
			Regular Cleaning of toilets in both the academic institution and the hostels	Prof. Deepak Singh	As and when required		
2.	Sanitation	Maintenance of fittings and fixtures in academic and residential blocks	Maintenance of fittings and fixtures in academic and residential blocks	Prof. Jitendra Kumar	As and when required		
			Maintenance of drain pipes and sewerage mains (if available)	Prof. Prashant Kumar	As and when required		
			Annual Maintenance of any waste water treatment system	-	-		
			Checking and maintenance of septic tanks	Prof. Prashant Kumar	As and when required		
			Linking internal drains to the main municipal drain	-	-		
3.	Drainage	Cleaning of Stormwater drains	Cleaning of Stormwater drains	Prof. Rohit Soni	12 months		

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Sl. No.	Category	Collocation	to be performed	Responsible Person	Completion date	Verification	Remarks
		Repair of Stormwater drains	Repair of Stormwater drains	Prof. Rohit Soni	12 months		
		Repair of down water pipes in buildings					
		Preliminary treatment of wastewater before it is discharged in the drain.					
5.	Wastewater from laboratories Barrier free Access	Ramps provided in every buildings and conforming to National Building Code	Covered in EAP	Prof. Aakash	12 months		
		All faculties have classrooms on the ground floor					
		All building have specially designed toilets on the ground floor for the physically challenged and they conform to National Building Code					
6.	Solid Waste (Canteen)	Segregation of bio-degradable and non-bio degradable waste					
		Treatment of the bio-degradable waste					
		Use of the compost					
7.	Solid Waste (MSW Campus)	Collection System (using two bin) and regular clearing of the bins	Collection System (using two bin) and regular clearing of the bins	Prof. Deepak Singh	As and when Required		
		Disposal System of the MSW					
8.	E-Waste	Management of e-Waste as per the E-waste (Management) Rules 2016	E-waste Management	Prof. Abhishek Sharma	12 months		
9.	General Electrical Safety	Electrical Safety Audit of the campus (including, classroom, laboratories and hostel)	Electrical Safety Audit of the campus (including, classroom, laboratories and	Prof. Abhishek Sharma	12 months		

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		Electrical Maintenance of the entire campus	hostel) Electrical Maintenance of the entire campus	Prof. Abhishek Sharma	12 months		
10	Labour Safety		Audit would be conducted covering electrical, mechanical, OHS and ergonomic aspects	Individual Faculty incharge of labs	06 months		
		Development of the Laboratory Safety plan	Development of the Laboratory Safety plan	Individual faculty incharge of labs	06 months		
11	Fire Safety	Fire Safety Audit of the Campus (covering all classrooms, laboratories, hostels and canteens)	Fire Safety Audit of the Campus (covering all classrooms, laboratories, hostels and canteens)	Prof. Prashant kumar	12 months		
		Procurement of Fire safety apparatus : extinguishers, users, hooters and alarms.	Procurement of Fire safety apparatus	Prof. Prashant kumar	12 months		
		Fire Signages	Fire Signages	Prof. Prashant kumar	12 months		
12	Occupational Health and Safety	OHS Audit in Laboratory	OHS Audit in Laboratory	Individual Faculty incharge of Labs	06 months		
		Procurement of OHS equipment for the laboratory	Procurement of OHS equipment for the laboratory	Individual Faculty incharge of Labs	06 months		
13	Construction	Workers Safety					

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29/01/2015

Safety	Insertion of OHS provision in Construction Contracts. Provisions of Sanitation for Construction workers Segregation of the construction area from the academic areas Legal Compliance to the Building and Construction Workers Act	-	-	-	-	-	-	-
14. Construction and Demolition Waste Management	Inclusion of Construction & Demolition Waste Management in Construction Contract Enforcement of the Construction and demolition waste management LED lighting and Fixtures	-	-	-	-	-	-	-
15. Energy Conservation	Solar Installation (on grid and off grid) Auto shutoff switches in rooms corridors and common areas Solar water heaters	CONVENTIONAL LIGHTS TO BE REPLACED BY LED LIGHTS	Prof. Prashant kumar	06 MONTHS				
16. Water Conservation	Conduct a Water Audit Rain Water Harvesting	WATER AUDIT RAINWATER HARVESTING SCHEME TO BE DEVELOPED	PROF. ROHIT SONI PROF. ROHIT SONI	12 MONTHS 12 MONTHS				
	Auto shutoff valve in overhead tanks Reuse of water after treatment	-	-	-	-	-	-	-

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28/01/2019

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29-01-19

ENVIRONMENTAL MANAGEMENT PLAN

Sl. No.	Activity	Responsible Person	Completion Date	Location			
17.	Diesel Generator / furnace	Having Consent to Operate and other required permits	Consent to Operate and other required permits	Prof. vikas kumar	12 MONTHS		
		Maintaining stack height as required under the Environment (Protection) Rules 2002,	Maintaining stack height as required under the Environment (Protection) Rules 2002,	Prof. vikas kumar	12 MONTHS		
		Management of waste generated	To be carried out by concerned faculty	Prof. vikas kumar	12 MONTHS		
18.	Ecological Conservation	Ecological Inventory	To be carried out by prof. Prashant kumar	prof. Prashant Kumar	12 MONTHS		
		Development of an ecological reserve	-	-	-		

Prashant Kumar
29/01/2019
ENVIRONMENTAL COORDINATOR

Prashant Kumar
29/01/19
ENVIRONMENTAL CO-ORDINATOR

Prashant Kumar
29/01/19
TEQIP CO-ORDINATOR

Prashant Kumar
29/01/2019
PRINCIPAL