

**Environment Management Plan
National Institute of Technology Raipur**


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	System is in place	Executive Engineer	On every six months		
		Testing of water from all taps/ water tanks	Testing of water	Prof. I/C. Environmental Lab Dept. Of Civil Engg.	Every 3 Months		
		Water cooling system cleaning and Maintenance	<ul style="list-style-type: none"> Physical Inspection on regular basis Standard Maintenance on Yearly basis 	Executive Engineer	Half Yearly Yearly		
		Annual maintenance of water purification system	Annual maintenance of Water purifiers is being carried out through OEM (original equipment manufacturing company) and their authorized service centers through AMC contract.	Executive Engineer	Yearly and as and when needed		
2.	Sanitation	Regular Cleaning of toilets in both the academic institution and the hostels	System is in place	HOD, and Departmental TEQIP Coordinator	Inspection on fortnight basis		
		Maintenance of fittings and fixtures in academic and residential blocks	Inspection and Complaints Received by different stake holders	Executive Engineer, Estate	Based on the need		
		Maintenance of drain pipes and sewerage mains (if available)	Inspection and Complaints Received by different stake holders	Executive Engineer	Yearly and as and when needed		
		Checking and maintenance of	Through Hired	Executive Engineer	based on the		

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3.	Drainage	septic tanks Cleaning of Storm water drains	services of RMC Cleaning	Executive Engineer	On Half Yearly basis		
		Repair of Storm water drains	Systems in place	Executive Engineer	As and when required		
		Repair of down water pipes in buildings	Systems in place	Executive Engineer	As and when required		
4.	Barrier free Access	Ramps provided in every buildings and conforming to National Building Code	<ul style="list-style-type: none"> • Already provided in the majority of the places • Efforts are being made to provide in all places of the institute 	Executive Engineer	1 Year		
		All building have specially designed toilets on the ground floor for the physically challenged and they conform to National Building Code	<ul style="list-style-type: none"> • Available in restrooms for males • Efforts are being made to provide in Girls restrooms are as well 	Associate Dean (P&D)	6 Months		
5.	Solid Waste (MSW Campus)	Collection System (using two bin) and regular clearing of the bins	System in place	Executive Engineer	On Daily basis		
		Disposal System of the MSW	System in place	Executive Engineer	Every three months		
6.	E-Waste	Management of e-Waste as per the E-waste (Management) Rules 2016	Preparation of Institute E waste policy	Dr. Anshul Gupta and Prof. I/C Electrical works	3 Months		
7.	General Electrical Safety	Electrical Safety Audit of the campus (including, classroom, laboratories and hostel)	Preparation of Policy or Hiring of services	Prof. I/C Electrical works	3 Months		
		Electrical Maintenance of the entire campus	Inspection and Complaints to be	Executive Engineer	Based on the need		



 Date: 12/11/19

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

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8.	Laboratory Safety	Laboratory Safety Audit	A laboratory Safety Audit would be conducted covering electrical, mechanical, OHS and ergonomic aspects	Departmental TEQIP Coordinators	3 Months		
		Development of the Laboratory Safety plan	Preparation of Plan	Departmental TEQIP Coordinators	3 Months		
9.	Fire Safety	Fire Safety Audit of the Campus (covering all classrooms, laboratories, hostels and canteens)	Hiring of services	Institute Security Officer	1 year		
		Procurement of Fire safety apparatus: extinguishers, risers, hooters and alarms.	Procurement	Institute Security Officer	1 year		
		Fire Signage	Fixing of Fire Signage wherever it is not there	Institute Security Officer, Estate Office	6 Months		
10.	Occupational Health and Safety	OHS Audit in Laboratory	<ul style="list-style-type: none"> • Supply of First Aid kits in all the laboratories • Display of Ambulance number for emergency situations • Usage of safety and protective gears, Dresses, gloves, etc. 	HOD's of respective dept.	3 Months		
11.	Construction Safety	Workers Safety	Policy preparation	Prof. I/C Civil works	6 Months		
		Insertion of OHS provision in Construction Contracts.	Incorporation in Tender documents	Prof. I/C Civil works	6 Months		

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12.	Construction and Demolition Waste Management	Provisions of Sanitation for Construction workers	Incorporation in Tender documents	Prof. I/C Civil works	6 Months		
		Inclusion of Construction & Demolition Waste Management in Construction Contract	Incorporation in Tender documents	Asso. Dean (P&D)	6 Months		
13.	Energy Conservation	LED Lighting and Fixtures	Conduction of Survey And Replacement wherever required	Dr. Anamika Yadav, Executive Engineer	3 Months		
		Auto shutoff switches in rooms corridors and common areas	Conduction of Survey and submission of proposal for budget allocation to Competent Authority	Dr. Anamika Yadav, Prof. I/C Elect, Asso Dean P&D	6 Months		
14.	Water Conservation	Conduct a Water Audit	Water meters are installed and Installation in places wherever needed	Executive Engineer	3 Months		
		Rain Water Harvesting	Submission of proposal for budget allocation to Competent Authority for harvesting of rain water from the building roofs (Inst. and Hostel)	Executive Engineer	3 Months		
		Auto shutoff valve in overhead tanks	System in Place	Executive Engineer	Regular inspection of valves are under taken		
15.	Diesel Generator /	Having Consent to Operate and other required permits	System in Place	Executive Engineer	NA		

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	furnace	Maintaining stack height as required under the Environment (Protection) Rules 2002,	System in Place	Executive Engineer	Regular inspection is being done		
16.	Ecological Conservation	Ecological Inventory	Survey through photographs and documentation	Prof. S Sanyal & Prof. M. Pradhan	6 Months		


 4/2/19
 Dr. B. Mazumdar
 Environmental Coordinator
 NIT Raipur