

## Environment Management Plan for NIT Warangal

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	Periodic cleaning once in a month	Dr. Ajey Kumar Patel, CED	31.03.2019		
		Testing of water from all taps/ water tanks	Periodic testing, once in a month	Dr. P.V Rao, CED and Dr. R Satish Babu, Biotech	First week of every month		
2.	Sanitation	Regular Cleaning of toilets in both the academic institution and the hostels	Daily Cleaning	Dr. Ajey Kumar Patel, CED			
		Maintenance of fittings and fixtures in academic and residential blocks	Periodic check once in every month				
		Maintenance of drain pipes and sewerage mains (if available)	Periodic check once in every month				
		Annual Maintenance of any wastewater treatment system	Periodic check once in every month				
3.	Drainage	Cleaning of Stormwater drains	Cleaning before onset of monsoon		30.04.2019		
		Repair of Stormwater drains	Periodic maintenance		30.04.2019		
		Repair of down water pipes in buildings	Periodic check once in every month		30.04.2019		
4.	Barrier free Access	Ramps provided in every buildings and conforming to National Building Code	To be provided for the buildings where ever it is required	Dr.D. Ravi Prasad, CED	31.05.2019		New ramps to be constructed.
		All building have specially designed toilets on the ground floor for the physically challenged and they conform to National Building Code	Providing at least one toilet for each building	Dr.D. Ravi Prasad, CED	31.05.2019		At least one toilet in each building to be upgraded.
5.	Solid Waste Management	Segregation of bio-degradable and non-bio degradable waste	Providing dust bins for the collection of segregated waste	Dr.S. Venkateswara rao	31.03.2019		New dust bins to be procured and made available for the entire campus
		Treatment of the bio-degradable	Collection,	Dr. P.V. Rao, CED, Dr.P.	31.05.2019		Biomethanation plant to

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		waste	transportation and treatment using composting/ Biomethanation	Sridhar, CED and Dr.R. Satish Babu, Biotech			be procured. Soil Stabilisation for the composting yard.
		Use of the compost					
		Sanitary napkins and other biomedical waste	Disposal of biomedical/hazardous waste	Dr.P. Sridhar, CED	31.05.2019		
6.	E-Waste	Management of e-Waste as per the E-waste (Management) Rules 2016	Collection and storage of E-Waste	Dr.P. Sridhar, CED	31.05.2019		Periodic disposal of E-waste collected.
7.	Traffic safety	Providing appropriate traffic signages	Providing Traffic and institute signages for the entire campus	Dr. S. Shankar, CED Dr.K. V. Ravi Shankar, CED	31.03.2019		
8.	General Electrical Safety	Electrical Safety Audit of the campus (including, classroom, laboratories and hostel)		Prof. A. Neelakanteswara Rao, MED	31.05.2019		
		Electrical Maintenance of the entire campus					
9.	Laboratory Safety	Laboratory Safety Audit	A laboratory Safety Audit would be conducted covering electrical, mechanical, OHS and ergonomic aspects	Dr. MVN Siva Kumar, CED			
		Development of the Laboratory Safety plan	Lab safety plans for all the labs.	All the lab in charges (All the Departments)	31.03.2019		
10.	Fire Safety	Fire Safety Audit of the Campus (covering all classrooms , laboratories, hostels and canteens)	Fire Safety Auditing	Dr. MVN Siva Kumar, CED	31.03.2019		
		Procurement/ refilling of Fire safety apparatus : extinguishers, risers, hooters and	To be done periodically once in a year		31.05.2019		

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		alarms.					
		Fire Signages	Preparation and display of signages		31.05.2019		
11.	Construction Safety	Workers Safety	Providing all the necessary safety aids	Dr.D. Ravi Prasad, CED	31.05.2019		
		Provisions of Sanitation for Construction workers	Providing water and toilets for the workers	Dr. Ajey Kumar Patel, CED	30.06.2019		
12.	Construction and Demolition Waste Management	Inclusion of Construction & Demolition Waste Management in Construction Contract	Policy for the management of CDM waste	Dr.D. Ravi Prasad, CED	31.05.2019		
13.	Energy Conservation	LED Lighting and Fixtures	To be replaced with LED fixtures wherever they are required	Dr. G Siva Kumar, EED Dr.Ch. Ramulu, EED	31.05.2019		
		Solar Installation and maintenance (on grid and off grid)	Periodic maintenance of the systems installed		Once in a month		
		Auto shutoff switches in rooms corridors and common areas	Providing photo switches for the public lighting systems		Once in every quarter		
		Solar water heaters	Periodic maintenance of the systems installed				
14.	Water Conservation	Conduct a Water Audit	To account water use and leakages	Dr.C. Sumanth, CED	30.06.2019		
		Rain Water Harvesting	Periodic maintenance of the systems installed	Dr. Ajey Kumar Patel, CED	31.5.2019		Cleaning of rain water harvesting pits before monsoon and plan porous pavements where

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							ever required.
		Auto shutoff valve in overhead tanks	Auto shutoff valves to be installed for all the overhead tanks		31.5.2019		Auto shutoff valves to be procured and installed for all the overhead tanks.
		Reuse of water after treatment	Treated water should be used for gardening		30.06.2019		
15.	Ecological Conservation	Ecological Inventory	Ecological inventory with the help of nature club	Dr. Vishnu Shankar, Chemistry	30.06.2019		