



## Environmental Sustainability Plan (ESP)

**Project Title: Standardization of Integrated Farming System Models for the State of Jharkhand (CAAST)**

**Environmental sustainability (ES) activities proposed at BAU during project period and this proposal is already submitted in google sheet to coordinating unit, NAHEP**

S.No.	Activities	1. Compliances and Lab safety measures	Remarks
1.		<b>(i) Laboratories Accreditation (Soil Sciences/ Entomology/ Pathology/Food Technology/Dairy Technology / Fish Processing)</b>	
	E (Existing)	-	
	Pro (Proposed)	2	1. One Laboratory in Department of Soil science & Agricultural Chemistry (Faculty of Agriculture) 2. One Laboratory in Faculty of Forestry
	Remarks	In progress	
		<b>(ii) Laboratories with proper/safe disposal of laboratory wastes (Soil Sciences/ Entomology/ Pathology/Food Technology/Dairy Technology / Fish Processing)</b>	
	HSW (Hazardous Solid waste)	2	1. One Laboratory in Department of Soil science & Agricultural Chemistry (Faculty of Agriculture) 2. One Laboratory in Faculty of Forestry
	HLW (Hazardous liquid waste)	2	1. One Laboratory in Department of Soil science & Agricultural

			Chemistry (Faculty of Agriculture) 2. One Laboratory in Faculty of Forestry
	Remarks	In progress	
		<b>(iii) Safety measures in Laboratories</b>	
	SM (Safety Measures) - Proper ventilation, exhaust fans, first aid kit, etc	3	1. One Laboratory in Department of Soil science & Agricultural Chemistry (Faculty of Agriculture) 2. One Laboratory in Faculty of Forestry 3. One Laboratory in Department of Home Science (Faculty of Agriculture).
	FS (Fire Safety)	3	1. One Laboratory in Department of Soil science & Agricultural Chemistry (Faculty of Agriculture) 2. One Laboratory in Faculty of Forestry 3. One Laboratory in Department of Home Science (Faculty of Agriculture).
	Remarks	In progress	
		<b>(iv) Bio-Medical Waste Management</b>	
	AE (Already exist)	NA	
	If Yes, Agency Name	-	
	PuN (Proposed under NAHEP)	NA	
	If Yes, Agency Name	-	
	Remarks	-	
		<b>(v) E - Waste Management under NAHEP</b>	

	EW (Yes / No)	No	
	Remarks	All the E-devices proposed to be procured under NAHEP will be new, and if required proper disposal norms will be followed	
<b>2.</b>		<b>2. Capacity Building Programmes</b>	
		<b>(i) AUs that have revised the curriculum or conducted special courses/awareness programs, workshop etc. on related themes.</b>	
	Short-term courses	-	
	Awareness programme	5 (Proposed)	
	Workshops	-	
	Lecture	5 (Proposed)	
<b>3.</b>		<b>3. Green Initiatives</b>	
		<b>(i) Water Conservation</b>	
	Rooftop Water Harvest	3 (Proposed)	One hostel each in 1. Faculty of Agriculture 2. Faculty of Forestry 3. Faculty of Veterinary Science and Animal Husbandry
	FP/ SP Farm Ponds/ Soak Pits)	6 (Proposed)	1. Farming system in Faculty of Forestry 2. Farming system in Faculty of Agriculture 3. Plastic lined pond of AICRP on PET, Department of Agriculture Engineering. 4. Farming system, KVK. Lohardaga 5. Farming system, KVK. Saraikela 6. Farming system, ZRS, Saraikela
	RW (Recycling water)	-	

Any Other	-	
Remarks	In progress	
	<b>(ii) Energy Conservation</b>	
SE (Solar Energy)	6 (solar water heater in hostels)	Two hostels each in 1. Faculty of Agriculture 2. Faculty of Forestry 3. Faculty of Veterinary Science and Animal Husbandry
EET (Energy Efficient Technologies)	Solar lights/ Led lights	1. Solar lights will be installed in BAU campus at prominent location as per need. 2. LED lights will be used in laboratories/ hostels and other places as per need.
Any Technology	-	
Remarks	In progress	
	<b>(iii) Plantation</b>	
Area	5 ha	
SD (Species Diversity)	10-30	
Any Other	-	
	<b>(iv) Waste Management</b>	
Segregation	Yes	1. Separate dustbin will be put at prominent location such as hostels/ college campus in BAU for Segregation of waste materials. 2. The collected materials will be segregated and composting will be done & others collected materials will be sent for proper recycling.
CP (Compost Pit)	-	
DPFC (Declaring)	Proposed	1. The plastic materials will be

Plastic Free Campus)		collected in dustbin by putting it at prominent location such as hostels/ college campus in BAU. 2. If the collection of plastic materials is done properly, the collected plastic materials will be sent for recycling then BAU campus can be declared plastic free.
Any Other	-	
Remarks	All the organic materials will be used for composting. The plastic and other materials will be sent for recycling.	
	<b>(v) Green Certificate</b>	
Proposed (Yes/ No)	Yes	1. If the above proposed activities will be conducted properly this will helps in getting the BAU green certificate.
Remarks	-	
	<b>(vi) Any Others</b>	