## Project Title: Promoting Organic Fertilizer Production and Use for Improved Livelihoods and Food Security in Sierra Leone

**Detailed Project Work Plan (Project Framework and Implementation Plan)** 

Project Objective:  The development objective is to empower target beneficiaries with the requisite skills and knowledge in the production, processing and marketing of																							
vermicompost and vermiwash fertilizers as supplementary fertilizers for crop production.					2024 2025																		
Project Framework			1st		2nd			3rd		4th		5th			6th			7th			8th		
	Party	of verification	1 2	2 3	4 5	6	7	8 9	10	0 11	12	13	14	15	16	17	18	19	20	21	22	23	24
Component 1/Output 1: Product	st and	l vern	niwa	sh f	ertili	izers.																	
workshop, selection of target beneficiaries and identification	ETU-SL, community stakeholders and target beneficiaries	<ul> <li>Inception report</li> <li>Number of target beneficiaries</li> <li>Number of sites identified</li> <li>Number of vermicomposting pits and sheds constructed</li> <li>Photos of meeting events, vermicomposting pits and sheds, etc.</li> </ul>																					
	ETU-SL and target beneficiaries	<ul> <li>Quantity of earthworms collected</li> <li>Quantity of seeds procured</li> <li>Number of equipment procured</li> </ul>																					
demo vermicomposting pits and sheds and feeding of organic residues and earthworms into pits	ETU-SL and target beneficiaries	• Number of vermicomposting pits and sheds constructed																					
vermicomposting pits	ETU-SL and target beneficiaries	• Physical condition of vermicomposting pits and sheds																					
marketing of vermicompost and vermiwash fertilizers	ETU-SL and target beneficiaries	<ul> <li>Bags (kg) of vermicompost produced</li> <li>Volume (liters) of vermiwash produced</li> </ul>																					
	Component 2/Output 2: Enhanced capacity building of farmers, students and MAFS staff to set-up and manage a vermicomposting business																						
Activity 2.1: Awareness raising on benefits of vermicompost and		• Number of awareness meetings conducted																					

vermiwash fertilizers		<ul> <li>Number of radio programmes organized</li> <li>Number of participants attending</li> <li>Photos and videos of events</li> </ul>																					
Activity 2.2: Training of farmers, students and MAFS staff in the production, processing and marketing of vermicompost and vermiwash fertilizers	ETU-SL	<ul> <li>Number of farmers, students and MAFS staff trained</li> <li>Photos and videos of training sessions</li> </ul>																					
Activity 2.3: Construction of farmer-managed vermicomposting pits and sheds, and feeding of pits with organic residues and earthworms	ETU-SL and target beneficiaries	• Number of vermicomposting pits and sheds constructed																					
Activity 2.4: Maintenance of farmer-managed vermicomposting pits	ETU-SL and target beneficiaries	• Physical condition of vermicomposting pits and sheds																					
Activity 2.5: Processing and marketing of vermicompost and vermiwash fertilizers from farmer-managed vermicomposting pits	ETU-SL and target beneficiaries	<ul> <li>Bags (kg) of vermicompost produced</li> <li>Volume (liters) of vermiwash produced</li> </ul>																					
Component 3/Output 3: Crop cu	ıtting experimen	ts/trials to test the performa	ıce	of ve	rmic	omi	ost	and	ver	miw	ash t	fertil	izers	s/ups	scali	ng o	f YF	CAR	1 011	tcon	nes		
	ETU-SL, community stakeholders and target beneficiaries	• Number of farmers selected																					
vermicompost and vermiwash fertilizers and planting of crops	ETU-SL and target beneficiaries	<ul> <li>Bags (kg) of vermicompost applied</li> <li>Volume (liters) of vermiwash applied</li> <li>Physical condition of the crops in the field</li> </ul>																					
Activity 3.3: Agronomic practices including weeding and second application of vermicompost and vermiwash fertilizers	ETU-SL and target beneficiaries	Physical condition of the crops in the field																					_
Activity 3.4: Agronomic data collection, analysis and interpretation of results	ETU-SL	• Project reports containing data collected and results obtained																					

Activity 3.5: Harvesting of crops and final yield assessment  Activity 3.6: Production of manuals/ monographs on vermicomposting production, processing and marketing in Sierra Leone	ETU-SL and target beneficiaries ETU-SL	Quantity harvested     Benefit-cost ratio      Number of manuals/ monographs published	
Activity 3.7: Publication of finding in referred journals	ETU-SL	<ul> <li>Number of articles         published</li> <li>Number of manuals/         monographs published</li> </ul>	
Activity 3.8: Award of scholarship to 1 junior staff of the Faculty of Development Agriculture & Natural Resource Management to pursue an MSc in Soil Science	ETU-SL	<ul> <li>Offer of admission letter</li> <li>Student progress report</li> <li>Degree completion certificate</li> </ul>	
Monitoring and Evaluation			
a. First tranche review and reporting	ETU-SL	Desk review report     Project inception report     First M&E report	
b. Mid-term review and reporting	ETU-SL	Second M&E report     Mid-term project reports	
c. Final review and reporting	ETU-SL	Half yearly report     Project final report	