		F EXCELLENCE FOR INNOVATIVE RODENT PEST MANAGEMENT AND BIO-SENSOR TECHNOLOGY DEVELOPMENT (ACE IRPM&BTD)												TIME FRAME (JANUARY - DECEMBER 2021)									
							BUDGET	REVISED RESPONSIBLE		TIME FR.	AME (JAN	UARY - D	CEMBER 2	.021)									
	COMPONENT	SUB-COMPONENT	ACTIVITIES	OBJECTIVE	JUSTIFICATION	ОИТРИТ	DLI# DLR# (\$)	BUDGET (\$) UNIT	J F M	Α	МЈ	J	A S	0 1	N [
	Programme Accreditation	International accreditation	Prepare document for submission for international accreditation	To Increase the visibility of our programmes	To accomplish DLR 2.3	International Accredited MSc. Programme	2 2.3 102,500.00	56,326.09 ACE Center Leader, ACE Deputy C/Leader															
1			Accreditation of MSc. programme inetrnationally	To strengthen Postgraduate student to international level				DVC (Academic), Directorate of Postgraduate Studies															
								Postgraduate Studies															
	Admission of MSc Students	Advertisements of MSc positions in Applied Pest Management (Public Health)	Registration of at least 20 MSc. students	To enrol 4 Regional and 16 national MSc. students in 2021	No curricula on pest management is being offered in Tanzania and regional partner institutions	Trained young early career graduates in Applied Pest Management in agriculture and Public health	2 2.2.3 302,956.52	322,956.52 ACE Leader, ACE Deputy Leader															
2		Selection of qualified candidates	(i) MSc Students embark on coursework	-	Increase the the number of experts in public health pest management within the region			University Senate															
		3. Registration of slecetd candidates	(ii) MSc Students embark on research																				
	PhD Studentships/Scholarships	Student based research undertaking	(i) New and ongoing PhD students embark on research	(i) To facilitate quality research undertaking by PhD students	To reach the target of 32 PhD students to be trained by ACE IRPM & BTD	(i) Research results on rodent ecology, zoonoses, ecology of ectoparatsites	2 2.2.3 334,079.04	334,079.04 ACE Leader															
3			(ii) Payment of research funds	(ii) To create an abling environment for students to implement their planned research activities		(ii) 10-15 published articles		ACE Deputy Leader															
			(iii) Payment of fees and stipends					Programme Coordinator							\dashv								
	Teaching and Research Materials/Lab and field equipment	Procurement of teaching and resarch materials/equipments	Procurement of computers	To ensure availability of essental teaching and research materials and equipment	Essentials for quality teaching nd research undertaking	Well equipped laboratories and availability of research equipment	1 1.2.5 29,347.83	14,347.83 ACE Centre Leader															
	equipment							ACE Deputy Center Leader															
4			Procurement of animal cages																				
			3. Procurement of reagents																				
			 Procurement of miscellaneous field and lab essentials 																				
	Field schools for knowledge	Ecological, zoonotics and field techniques training	Training in ecological techniques for small mammals	To train students and faculty in a number of techniques that are are highly relevant for ecologically-based rodent pest management	This is necessary for studentsto be equipped with wider of animal trapping, handling and processing before they embark on field research	Students and young scientists knowledgeable on field techniques for data collection	2 2.2 13,090.00	13,090.00 ACE Leader															
			2. Habitat surveys	Z. To enable trainees to conduct field research independently				Principal Investigator															
•			Animal collection, processing and data recording Tissue collection and specimen					HoD Wildlife MSc & PhD new students							_								
			preservation 5. Taxonomical techniques					Deputy Centre Leader						$\pm \pm$	\pm								
	Research activities on	Laboratory and field trials with fertility control hormones	1. Rent land for field trials and	To assess the efficacy of fertility to reduce rodent populations in farmer's fields		1. MSc dissertation	2 2.5 11,073.48	11,073.48 MSc. Student															
5	ecologicallly- based rodent pest management using fertility control	rertility control normones	develop the protocols for field experiments 2. Conducting field trials in two	populations in farmer's fields	rodents	One published article		Supervisor						\blacksquare	\blacksquare								
			localities 3. Publication of the field results in a peer reviwed journal			Product registration as a rodent outbreak product	1	Principal Investigator															
	Research activities on	Supervision of research activities	Visit field sites by supervisors and	To ensure PhD candidates are conducting	All PhD students need guidance from peers on how to	PhD candidate's progress reports	2 2.5.3 6,904.00	6,904.00 PhD candidates															
7	bacterial, helminthic, filarial and viral zoonoses	by students	advise the Phd candidates accordingly	quality research following agreed upon protocols (2). Ensure timely implementation of research proposals (3). To assess and advise on student's	conduct their research activities and make progress based on time frame	Supervisors report's		Supervisors															
		Technical support	Assistance in specimens identification	progress																			
		recinical support	specimens identification																				
	Research activities on community ecologyof rodents	Supervision of research activities by students	Visit field sites by supervisors and advise the Phd candidates accordingly	To ensure PhD candidates are conducting quality research following agreed upon protocols	All PhD students need guidance from peers on how to conduct their research activities and make progress based	(i) PhD candidate's progress reports	2 2.5.4 20,882.43	20,882.43 PhD candidates							-								
3	in Tanzania, Uganda and Ethiopia	by students	source the ring candidates according	ly quality research following agreed upon protocols (2). Ensure timely implementation of research proposals (3). To assess and advise on student's	on time frame	(ii) Supervisors reports		Supervisors					\vdash		+								
	-	Technical support	Conduct vegetation mapping od	progress		(iii) Vegetation mapping experts reports		Vegetation mapping					\vdash		\dashv								
			various biotopes					experts															
	Research activities on rodent ecto and endoparasites in Tanzania, Uganda and Ethiopia	Supervision of research activities by students		1. To ensure PhD candidates are conducting quality research following agreed upon protocols (2). Ensure timely implementation of research	All PhD students need guidance from peers on how to conduct their research activities and make progress based on time frame	Phd candidates progress reports	2 2.5.5 21,683.90	21,683.90 PhD candidates															
9				proposals (3). To assess and advise on student's progress		Supervisors reports		Supervisors						\dashv	_								
			3. To conduct Vegetation mapping of	†		Vegetation mapping experts reports	1	Vegetation mapping				_		+	-								
		1	diferent habitats	1	İ	1	1 1 1	experts		- 1													

	Biosensor Technology	Training and procurement	Training of biosensor rats	To refine biosensor technology using African	Devlopment of new biosensor technolgies for field	Trained biosesnor rats	2 2.3 32,900.00	32,900.00 SUA - APOPO					
10	Development			Giant Pouched Rats	application								
	Faculty and student	student exchanges with national,	1 Durahasa afalalasa	To increase student and faculty mobility for	Promote collaboration between regional partners and	Increased collaboration in teaching, research and knowledge flow	2 2.6 22,908.00	22,908.00 ACE Centre Leader					
	exchanges to promote	regional and international higher	1. Purchase of tickets	knowledge flow, teaching, and research	other regional insitutions	between national, regional and internation teaching and research	2 2.6 22,908.00	22,908.00 ACE Centre Leader					
	regional research and teaching	education and research institutions		excellence	other regional management	institutions							
	excellence												4
		2. Faculty exchanges with national,	2. identify research areas	1				ACE Deputy Centre					
		regional and international higher											
		education and research institutions											
11								-					
			3. Teaching specific modules					Supervisors					
			4. Training of the PhD candidates in	1				National, regional,					
			speciality needs					international collaborators					
			5. Payment of travel allowances										4
	International conference	Publicity of ACE		To increase faculty and student interraction		Increased collaboration in teaching, research and knowledge flow		9,000.00 Centre Leader, IT personnel			4		$\overline{}$
12	(Communication Facilities)		Video conference system installation	,	Promote collaboaration between regional and	between national, regional and internation teaching and research					<u>/</u>		
	,		and maintanance		International partners	institutions	2 2.6				<u>/</u>		
	Provide outreach/marketing	Publicity of ACE IRPM &BTD	1. Print posters and leaflets	(i) To provide information to the public about	To keep the public informed of activities of the ACE IRPM	Marketting new developed technologies for pest management	2 2.6 13,170.87	13,170.87 ACE leader					
1	information on ACE IRPM			activities of the ACE IRPM & BTD	&BTD								ا المعا
12	&BTD												ا کی
1					1			1000			_		
1			2. Tv Programmes airing	(ii) To inform potential candidates about training				ACE Deputy /M& E Officers					
				opportunities									
	a							42.740.00					
1	Short course	Training in pest management	Conduct short course on rodent pest management	To impart new knowledge on rodent pest management	To reduce losses and risk of disease transmissions	Knowledge based rodent pest management	2 2.6 13,740.00	13,740.00 Pest Management Centre Staff					
			management	managemettt									
13								ACE Center Leader					
1								ACE Deputy Centre Leader					+
	Collaboration with	Teaching and research	(1) Joint research undertaking	To increase interaction, cooperation and	Flow of knowledge and best practices in research and	1. New funded research projects	2 2.4 20,040.00	20,040.00 ACE Leader					
	international academic	collaboration		collaboration with faculty and students and to	teaching								
	partners			share best practices for teaching and research									
14													
			2. Annual Coordination meetings	1		2. joint publications	1	External Advisory Group					1 - 1 - '
			3.Teaching speciality courses			Strengthened collaboration with international partners	1	International partners			+		+
			3. reaching speciality courses			3. Strengthened Collaboration with International partners		international partners					
	Training for PhD Students	Ecological Modelling and Statistics	Two weeks training of PhD students	To impart knowledge on best analytical tools for	Essential training for all PhD students on research to help	New knowledge on data analysis	2 2.4 21,480.00	21,480.00 Centre Leader/Deputy					
15			on statistics and ecological modelling	ecological data	them with their data analysis			Centre Leader, External statistics and Ecological					
								modelling expert					
								modelling expert					
	Sustainable financing	Research Proposal Development	Research Proposal writing and	(1) To makillar and for a second lab.	Sustainable funding required to supplement the World	Minimum of \$300,000 externally generated for year 2021	2 2.7 5.327.30	5.327.30 ACE Leader					
	Sustainable linaricing	Research Proposal Development	submission for funding	(i) To mobilize resources for competitive proposal writing	Bank funding	Willimum of \$300,000 externally generated for year 2021	2 2.7 5,327.30	5,327.30 ACE Leader			4		4
16			Submission for furturing		Dank randing								
				(ii) To ensure sustainable funding				Deputy ACE Leader			4		4
	ACE IRPM &BTD Annual	Review of Implementation status	(i) Review the 2020 implementation	(i) To review progress and challenges	DLIs and DLRS must be achieved on time for external	Strategic Plans for achieving DLIs and DLRs	1 1.2.4 13,038.80	13,038.80 ACE leader, ACE Deputy					
	Review and Coordination		status, and 2021 Annual Work Plan		verification			Leader					
	Meeting		implementation										
					1								'
17			(ii) Review achievements, DLI & DLR performance status	(ii) Discuss implementation of the 2020 Annual Workplan				Financial Officer, Audit Officer			1 1		1 1 '
1			(iii) Address progress made since the	(iii) Evaluate achievement of DLI & DLRs	†			Regional Partners			+-	+	+
1			start of the project										
1			(iv) Identify challenges and mitigation	(iv) To plan the way forward in view of the	Ī			International Partmers					
			strategies	realized challenges							\vdash	\perp	
	Infrastructure development	Equipping animal house for	(i) Purchase of furniture	To provide a conducive environment for	An animal house is requisite for teaching, research and	A fully functional animal house	2 2.2.3 26,430.43	8,604.35 ACE Centre Leader				1 -	
	for research excellence	research activities		implementation of ACE IRPM &BTD activities	student practicals								
18			(ii) Installation of climatic chambers	1				PMU SUA					
1]									<u> </u>
			(iii) Installation of internet facility					CFO					
	Construction of ACE	Engaging a contractor	Surveying the construction site		The ACE IRPM &BTD requires more office and laboratory	Architectural drawing	2 2.2.3 750,760.87	1,000,760.87 ACE Leader					
	IRPM&BTD core facility			teaching laboratories	space for faculty and students								
		2. Procurements	2. Obtain architectural drawings	1		2. BOQs	1	vc					
19			3. Obtain the Bill of Quantities (BOQs)	1		3. Signed contracts with consulatant and contractor	1						
1]				DVC (A&F)					
1		3. Supervision of works	4. Tendering the construction works			Construction works on site		Office of the CPO					
1				4			4						
		4. Site meetings	5. Construction works			5. Site meeting reports		PMU					
	National Steering Committee	Technical Assistance and Advisory	Facilitation for attendance in the	1. To participate in National Steering Committee	Requisite condition for each ACE	Committee Meeting Reports	2 2.8 12,525.22	12,525.22 ACE Leader					
	Meetings	Service	National Steering Committee	Meetings									
20			Manager and the Post Community	2 To continue to Book 17 1 1 1 1 1 1	+			ACE C			+-	\vdash	+
1			Meetings and the Regional Technical Advisory Committee Meetings	To participate in Regional Technical Advisory Committee Meetings				ACE Deputy Leader					
1			Action y Committee Meetings	Committee Weetings									
	Monitoring and evaluation	Quality Assurance	Verification of the DLI and	To ensure good management of project activities	A requirement for good performance	Monitoring and evaluation Reports	2 2.8 4.424.04	4.424.04 ACE leader					
21	morning and evaluation	acamety resources	documentation of the achievements	in particular adherence to time scales as stated in	qu. sment for Bood periorinance		2 2.0 4,424.04	7,727.07 INC. (EBUE)					
	1		reached on quarterly basis	the implementation plan	I .		1 1 1 1	1					

	Governance and Management	Project Management	Payment of ACE IRPM Centre and Deputy Centre Leaders responsibilty allowances		Ensure excellent project management to deliver DLIs and DLRs	Programme objectives are achieved	3	3.1-3.4	134,213.79	134,213.79	VC				
			2.Institutional Audit Committees facilitation	To ensure timely implementation activities							ACE Centre Leader				
			Payment of salaries and eligible allowances, taxes, insurances,, etc. for the salaries.	To Ensure timely auditing and submission of reports							ACE Deputy Centre				
22			Capacity building through staff training	3. Timely payment of allowances and salaries							Auditors				
			National Audit Committee facilitation	To ensure timely procurement of goods and services							CFO				
				Timely preparation and submission of progress reports							PMU				
			7. Support for Board and administrative meetings	Ensure Implementation of activities lead to achievent and verification of DLRs							NSC	Ļ		Ш	ш
				GRAND TOTAL (USD	1				1,913,476.52	2,113,476.53					