

**CN#4: Information Sheet of Concept Note on Mechanization**

1. Project Title	Improving productivity and marketability of rice in Rwanda through mechanization						
2. Location	RAB's Center of Excellence on Mechanization (Rubirizi), All rice growing marshlands						
3. Type of Project (multiple selection)	1	2	3	4	5		
	1. Grant, 2. Loan, 3. Technical Coop./Assistance, 4. National budget, 5. Private sector						
4. Fields covered (multiple selection)	2	3	4	5	6		
	1. Policy, 2. R & D, 3. Extension & Training, 4. Production, 5. Marketing 6. Post-harvest, 7. Irrigation, 8. Credit, 9. Seed, 10. Other ( specify above)						
5. Suggested Fund source	AU-FAO, GoR, JICA, IFAD, WB						
6. Budget / Cost	6 million USD						
7. Project duration	3 years						
8. Target beneficiaries	Direct	Smallholder rice farmers, Rural youth, Local artisans and manufacturers					
	Indirect/Secondary	Private enterprises, Traders, Millers, Consumers					
9. Overall objective (Goal)	To enhance grain quality and reduce yield losses in smallholder rice farms through promotion of appropriate mechanization						
10. Project objectives	Specific Obj 1:	Improve the technical and financial appropriateness of machineries used by smallholder rice farmers for harvesting and postharvesting activities					
	Specific Obj 2:	Promote the adoption of appropriate machineries for harvesting and postharvesting tasks					
	R1.1.	Pros and Cons of available machineries known					
	R1.2.	Appropriateness of the machineries for harvest and postharvest activities in smallholder rice farms improved/ established					
	R2.1.	Level of awareness on the appropriate machineries and their use in harvest and postharvest activities improved					

11. Expected results/Projects outputs	R2.2.	Knowledge on the operation, maintenance and advantages of using machineries for harvest and postharvest activities increased amongst smallholder farmers
	R2.3.	Participation of rural youth and local artisans in mechanization value chain improved
	R2.4.	Adoption of machineries for harvesting and postharvesting by smallholder rice farmers increased
	R2.5.	Harvest and postharvest losses of grains significantly reduced in smallholder farms
	R2.6.	Quality of rice grains produced in smallholder farms enhanced
12. Components and Activities	<b>Component 1 (Objective 1): Research on the suitability of machineries for harvest and postharvest</b>	
	A1.1.	Evaluation of available machineries and technologies (harvesting, threshing, drying, winnowing, cleaning and packaging) for their technical and economic viabilities
	A1.2.	Test and fine-tune the appropriateness of the candidate machineries for scaling-up and scaling-out through linkages with local manufacturers, suppliers and artisans
	<b>Component 2 (Objective 2): Promotion of appropriate machineries for harvest and postharvest</b>	
	A2.1.	Develop and disseminate information and user manuals using multi-media (radio, television, newspaper, pamphlets)
	A2.2.	Conduct demonstrations on the usage and maintenance of machineries in collaboration with private enterprises (manufacturers, suppliers, spare-part distributors and hiring service providers)
	A2.3.	Organize training for farmers, youth, women, hiring service providers and artisans
	A2.4.	Organize trade fairs and field-days for promoting the marketing of the appropriate machineries