

Concept Note 6: Upgrading of Machinery Workshops at NCAM, AMOTRAC/BATSU

1. Title (Full name)	Upgrading of Machinery Workshops at NCAM, AMOTRAC/BATSU											
2. Project Location	NCAM, AMOTRAC/BATSU											
3. Implementing Agency	FMARD											
4. Beneficiaries	FMARD/FDA, NCAM, AMOTRAC, BATSU											
5. Target group	Rice Farmers, Machinery fabricators, Mechanics & operators											
6. Type of project	1. Grant, 2. R&D, 3. Technical Coop./Assistance, 4. National budget, 5. Private sector (Select as appropriate) 1 & 3											
7. Field of support	1. Policy, 2. R & D, 3. Extension & Training, 4. Production, 5. Marketing 6. Post-harvest, 7. Quality Control, 8. Credit, 9. Capacity Building, 10. Infrastructure 11. Other (specify below) (Select as appropriate) 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10											
8. Suggested Funding sources	National budget, JICA, KOICA, AGRA, USAID, BMGF, WB, FAO, FNG, DFID (FCAO), CBN.											
9. Budget (USD)	\$7.5 million											
10. Duration of the project	5 years											
11. Background												
12. Goal and objective	<p>Overall objective: To upgrade rice machinery development workshops</p> <table border="1"> <thead> <tr> <th>Specific Objectives</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>1. To promote rapid utilization of appropriate cost-effective production and processing machinery</td> <td>1-1. Appropriate and effective machines available for farmers' use.</td> </tr> <tr> <td>2. Enhancement of local production and processing rice machines</td> <td>2-1. Accessibility and affordability of machine used for rice cultivation and processing increased</td> </tr> <tr> <td>3. To build capacity of Engineering, Technicians and Craftsmen on machines fabrication</td> <td>3-1. Well-equipped and skilled manpower produced. 3-2. Number of skilled fabricators and handlers of machines increased</td> </tr> <tr> <td>4. To enhance local content and adaptability of imported agricultural machinery</td> <td>4-1. Durability and efficiency of agricultural machinery in the market enhanced 4-2. Number of agricultural machinery dealers increased 4-3. Acquisition of mechanization equipment, machinery and tools by users increased</td> </tr> </tbody> </table>		Specific Objectives	Output	1. To promote rapid utilization of appropriate cost-effective production and processing machinery	1-1. Appropriate and effective machines available for farmers' use.	2. Enhancement of local production and processing rice machines	2-1. Accessibility and affordability of machine used for rice cultivation and processing increased	3. To build capacity of Engineering, Technicians and Craftsmen on machines fabrication	3-1. Well-equipped and skilled manpower produced. 3-2. Number of skilled fabricators and handlers of machines increased	4. To enhance local content and adaptability of imported agricultural machinery	4-1. Durability and efficiency of agricultural machinery in the market enhanced 4-2. Number of agricultural machinery dealers increased 4-3. Acquisition of mechanization equipment, machinery and tools by users increased
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13. Activities	<p>Specific Objective 1(Output 1-1) To promote rapid utilization of appropriate cost-effective production and processing machinery 1-1-1: Carry out a baseline survey of machineries and tools in the market 1-1-2: Study the common challenges of the machines and tools 1-1-3: Identification of machines specification 1-1-4: Identify spare parts manufactures/importers</p> <p>Specific Objective 2(Output 2-1) Enhancement of local production and processing rice machines 2-1-1: Identification of machines & tools required (Needs assessment) 2-1-2: Identification of local producers</p>											

	<p>2-1-3: Upgrade of infrastructures of local producers</p> <p>Specific Objective 3(Output 3-1) To build capacity of Engineering, Technicians and Craftsmen on machines fabrication</p> <p>3-1-1: Training needs assessments of personnel along the mechanization value chain</p> <p>3-1-2: Identify training location both foreign and local</p> <p>3-1-3: Conduct training</p> <p>Specific Objective 4 (Outputs 4-1, 4-2 & 4-3) To enhance local content and adaptability of imported agricultural machinery</p> <p>4-1-1: Survey of the efficiency of machines in the market</p> <p>4-1-2: Survey of agricultural machinery dealers</p> <p>4-1-3: Needs assessment of existing infrastructure</p> <p>4-1-4: Identify procedure for procurement of infrastructure</p> <p>4-1-5: Procurement of infrastructures</p>
14. Expected Impact	<ol style="list-style-type: none"> 1. Production of world standard equipment and infrastructure 2. Availability of adaptable and effective indigenous machinery for field and post-field operations 3. Availability of cost-effective locally fabricated spare parts 4. Reduction in importation of machinery and spare parts
15. Potential Collaborators	JICA, FAO, GIZ