Concept Note 7: Capacity building for Engineers and Technicians staff of NCAM, AMMOTRAC BATSU and FDA

1.Title (Full name)	Capacity building for Engineers and Technicians staff of NCAM, AMMOTRAC BATSU and FDA
2. Project Location	NCAM, AMMOTRACS and /BATSU
3. Implementing Agency	FMARD
1. Beneficiaries	FMARD/FDA, NCAM, NCRI, PRIVATE SECTOR
2. Target group	Rice Farmers
7. Type of project	1. Grant 2. R&D 3. Technical Coop./Assistance, 4. National budget, 5. Private sector. (Select as appropriate) 3, 4 & 5
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) 3 & 9
8. Suggested Funding sources	JICA, KOICA, AGRA, USAID, BMGF, WB, FAO, FNG, DFID (FCAO), CBN.
9. Budget (USD)	$1.11 million for the entire project duration
10. Duration of the project	5 years
11. Background	
12. Goal and objective	**Overall objective:** To build the capacity of Engineers and Technicians of NCAM, AMMOTRAC BATSU and FDA on best practices in handling of agricultural machinery for rice value chain.

Specific Objectives	Output
1. To train the engineers and technicians on modern techniques of machinery concept and design	1-1. Engineers and technicians are trained on modern machine handling
2. To train engineers and technicians on current methods of fabrications used in developed countries	2-1. Skills in modern acts of fabrication enhanced
3. To train engineers in ergonomics of machines design and development	3-1. Experts in ergonomics of machines produced.
4. To train engineers and technicians on handling of modern production machine workshop (computer-aided machines (lathe, milling, welding machine etc)	4-1. Up-to-date skills on machine handling acquired

13. Activities	**Specific Objectives 1-4(Outputs 1.1-4.1)** **1)** Profiling of trainees for knowledge gaps 2) Identification of relevant institutions suitable for the conduct of the training 3) Produce training materials 4) Conduct of the relevant training 5) Evaluate trainees to ascertain knowledge gain 6) Deploy personnel to relevant departments
14. Expected Impact	High skilled technical personnel produced
15. Potential Collaborators	JICA, GIZ, USAID, UKAID,

1.	Expected Impact	1) Increased production and Productivity of rice paddy and small holder rice farmers respectively 2) Enhanced national food security 3) Improved income and livelihood of rice value chain actors 4) Effective and sustainable "all-inclusive rice value chain financing system" developed.
2.	Potential Collaborators	Development Partners, AfDB, CBN, NIRSAL, FBOs (Farmers Associations and Cooperatives) BOA, BOI, DBN, NGOs, Commercial Banks,