

Concept Note 5: Development of Irrigated Lowland for Rice Farming

1. Title (Full name)	Development of Irrigated Lowland for Rice Farming									
2. Project Location	Development of 250ha/year/location across the 6 geo-political zones									
3. Implementing Agency	FMARD									
4. Beneficiaries	FMARD/FDA, NCAM, NCRI, PRIVATE SECTOR									
5. Target group	Rice Farmers									
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 (Technical Expertise) (Select as appropriate) 1, 3, 10 & 11									
8. Suggested Funding sources	Grant, National budget, Private sectors, DPs									
9. Budget (USD)	\$6.71 Million									
10. Duration of the project	5 years									
11. Background										
12. Goal and objective	<p>Overall objective: Development of cultivable irrigated land for increase rice production</p> <table border="1"> <thead> <tr> <th>Specific Objectives</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>1. To develop irrigable land in 6 locations</td> <td>1-1. National rice production output increased 1-2. sustainability & self-sufficiency in rice production increased</td> </tr> <tr> <td>2. To upgrade the infrastructures in existing irrigation facilities</td> <td>2-1. increase in land holding capacity of farmers 2-2. decreased in cost of production per hectare</td> </tr> <tr> <td>3. To construct micro earth dams in selected major rice production clusters across the 6 geo-political zones of the country</td> <td>3-1. Rice production increased to at least two (2) cycle of in a year 3-1. Increased in number of rice farmers 3-2. Increased in rice productivity and production</td> </tr> </tbody> </table>		Specific Objectives	Output	1. To develop irrigable land in 6 locations	1-1. National rice production output increased 1-2. sustainability & self-sufficiency in rice production increased	2. To upgrade the infrastructures in existing irrigation facilities	2-1. increase in land holding capacity of farmers 2-2. decreased in cost of production per hectare	3. To construct micro earth dams in selected major rice production clusters across the 6 geo-political zones of the country	3-1. Rice production increased to at least two (2) cycle of in a year 3-1. Increased in number of rice farmers 3-2. Increased in rice productivity and production
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13. Activities	<p>Specific Objective 1(Outputs 1-1 & 1-2) To develop irrigable land in 6 locations 1-1-1: Mapping of suitable land for irrigation development 1-1-2: Sensitization of stakeholders for mapped out land distribution 1-1-3: Land clearing/de-stumping</p> <p>Specific Objective 2(Outputs 2-1 & 2-2) To upgrade the infrastructures in existing irrigation facilities 2-1-1: Carry out assessment of irrigation facilities across the country 2-1-2: Shop for experts to carry out upgrading and award contract 2-1-3: Carry out upgrading of infrastructures (construction of access roads, canals, major/minor irrigation facilities)</p> <p>Specific Objective 3(Outputs 3-1, 3-2 & 3-3) To construct micro earth dams in selected major rice production clusters across the 6 geo-political zones of the country 3-1-1: Carry out a baseline study to determine locations to develop micro earth dams 3-1-2: Shop for an experience contractor and award contract 3-1-3: Carry out a feasibility study to determine viability of selected sites 3-1-4: Construct micro dams with infrastructures 3-1-5: Organize farmers into production clusters around the micro dams to form water use associations (WUA)</p>									
14. Expected Impact	1. National rice production significantly increased 2. Number of farmers engaging in rice production drastically increased									

	<ul style="list-style-type: none"> 3. Available cultivable land for rice production increased 1500 ha per year 4. Model rice fields/farms developed 5. Farmers' income increased 6. Gross Domestic Product of the nation increased
15. Potential Collaborators	National Agricultural Land Development Agency (NALDA), Federal Ministry of Water Resources, FMARD, Private sector (Intervalle), DPs