<table>
<tr><th colspan="3">Liberia Concept note 3: Development of Irrigated Lowland for Rice Production</th></tr>
<tr><td>1. Title (Full name)</td><td colspan="2">Development of Irrigated Lowland for Rice Production</td></tr>
<tr><td>2. Project Location</td><td colspan="2">Liberia (Lofa, Bong, Nimba, River Gee, Maryland, Grand Cape County & Grand Gedeh)</td></tr>
<tr><td>3. Implementing Agencies</td><td colspan="2">MOA</td></tr>
<tr><td>4. Beneficiaries</td><td colspan="2">Direct: Rice Farmers (25,000)</td></tr>
<tr><td>5. Target Group</td><td colspan="2">Primary: rice farmers
Secondary: consumers</td></tr>
<tr><td>6. Type of project</td><td colspan="2">1. Grant, 3. Technical Coop. /Assistance, 4. National budget</td></tr>
<tr><td>7. Field of support</td><td colspan="2">Capacity Building, 10. Infrastructure</td></tr>
<tr><td>8. Suggested Funding sources</td><td colspan="2">Government of Liberia, World Bank, African Development Bank, USAID, EU, JICA, Islamic Development Bank, SIDA, ECOWAS</td></tr>
<tr><td>9. Budget (USD)</td><td colspan="2">$6,854,925.00</td></tr>
<tr><td>10. Duration of the project</td><td colspan="2">5 years</td></tr>
<tr><td>11. Background/Justification</td><td colspan="2">In Liberia, land and water resources are abundant and offer potential for significant expansion of agricultural production. 600,000 hectares of land with irrigation potential exists only less than 1% of the land is under irrigation. In order to transform the rice sector and address the many challenges, irrigation is one major pillar that is needed to contribute to such transformation. The significant of developing irrigated lowland is to improve the water distribution and water use efficiency.</td></tr>
<tr><td rowspan="3">12. Goal and objective</td><td colspan="2">Overall objective:
Increase the supply of local rice through improved irrigation and infrastructural development</td></tr>
<tr><td>Specific objective 1</td><td>Output</td></tr>
<tr><td>Forty (40) dilapidated irrigation schemes in 7 counties rehabilitated.</td><td>1.1. Rehabilitate all existing irrigation schemes in the project affected areas.
1-2. At the end of year one 40 dilapidated irrigation schemes in 7 counties will be rehabilitated.</td></tr>
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	Specific objective 2	**Output**
	Construct new irrigation and drainage structures.	2-1. In year two, twenty (20) new irrigation schemes will be constructed in four (4) ounties.
	Specific objective 3	**Output**
	Train Irrigation Engineers and technicians in management and maintenance of irrigation schemes.	3-1. Seven (7) Irrigation Engineers and twenty one (21) technicians trained in management and maintenance of lowland irrigation schemes.
13. Activities	**Activity 1 (Output 1-1)**	
	1-1-1. Develop terms of reference for consultant (s) to conduct study and design rehabilitation plan for existing irrigation schemes	
	1-1-2. Bidding process for existing irrigation schemes announcement	
	1-1-3. Evaluation and selection of consultant to conduct study and design rehabilitation plan for existing irrigation schemes	
	1-1-4. Hire consultant (s) to conduct study and design rehabilitation plan for existing irrigation schemes	
	1-1-5. Announce bidding process	
	1-1-6. Evaluation, selection and notice to award successful bidder (s)	
	1-1-7. Hire contractors to do rehabilitation of dams, canals	
	1-1-8. Procurement of materials for the irrigation schemes rehabilitation	
	Activity 2 (Output 2-1)	
	2-1-1. Develop terms of reference for consultant (s) to conduct feasibility on the environmental and social impacts and design plan for construction of irrigation schemes.	
	2-1-2. Bidding process for construction of irrigation schemes announced.	
	2-1-3. Evaluation and selection of consultant to conduct study and design plan for new irrigation schemes construction.	
	2-1-4. Hire consultant (s) to conduct need assessment for the development of new irrigation schemes.	
	2-1-5. Development of efficient and cost-effective irrigation designs that meet all requirements in the TORs by the consultant.	
	2-1-6. Preparation of site plans, specifications, cost estimates and environmental and social impacts.	

	2-1-7. Announce bidding process for contractor for the construction of new schemes.
	2-1-8. Evaluation, selection and notice to award contract to successful bidder (s)
	2-1-9. Hire contractors for the construction of dams, canals.
	2-1-10. Procurement of materials for the construction of irrigation schemes.
	2-1-11. Monitor irrigation schemes during construction.
	Activity 3 (Output 3-1)
	3-1-1. Conduct training need assessment.
	3-1-2. Identify, evaluate and approve individuals for the training.
	3-1-3. Identification and selection of universities and training institutions.
	3-1-4. Cost estimates for in-country training.
	3-1-5. Estimated cost of training in abroad.
	3-1-6. Procurement of Visas and passports for successful candidates.
	3-1-7. Train 7 Irrigation Engineers and 21 technicians in Irrigation Systems Management and Maintenance.
14. Expected Impact:	Rice sufficiency will be guaranteed and contribute to poverty reduction.