

Concept Note 8: Construction and reactivation of Head dykes, tube wells, wash bores and channelization for expansion of irrigated areas in NCRI and NCAM

1. Title (Full name)	Construction and reactivation of Head dykes, tube wells, wash bores and channelization for expansion of irrigated areas at NCRI & NCAM											
2. Project Location	NCAM, NCRI and 9 out-stations											
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, 2, 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 (Technical assistance). (Select as appropriate) 1, 3 & 11											
8. Suggested Funding sources	National budget, JICA, KOICA, AGRA, USAID, BMGF, WB, FAO, FNG, DFID (FCAO),											
9. Budget (USD)	\$9 million for the entire project duration											
10. Duration of the project	5 years											
11. Background												
12. Goal and objective	<p>Overall objective: To construct and rehabilitate critical irrigation infrastructure for rice production.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Specific Objectives</th> <th style="text-align: left;">Output</th> </tr> </thead> <tbody> <tr> <td>1. Availability of irrigation for at least 2 cycles of rice production in a year</td> <td>1-1. Micro earth dams constructed at NCRI & NCAM</td> </tr> <tr> <td>2. Capacity building for the cluster farmers around NCRI field</td> <td>2-1. Existing micro earth dam at NCRI 2-2. R & D activities enhanced</td> </tr> <tr> <td>3. Upgrade infrastructures for research & development</td> <td>3-1. Head dyke at NCRI Hqtrs. & its 9 outstations across the country reactivated</td> </tr> <tr> <td>4. Availability of supplementary water for irrigation</td> <td>4-1. Construct tube wells and wash bores at NCRI & NCAM</td> </tr> </tbody> </table>		Specific Objectives	Output	1. Availability of irrigation for at least 2 cycles of rice production in a year	1-1. Micro earth dams constructed at NCRI & NCAM	2. Capacity building for the cluster farmers around NCRI field	2-1. Existing micro earth dam at NCRI 2-2. R & D activities enhanced	3. Upgrade infrastructures for research & development	3-1. Head dyke at NCRI Hqtrs. & its 9 outstations across the country reactivated	4. Availability of supplementary water for irrigation	4-1. Construct tube wells and wash bores at NCRI & NCAM
Specific Objectives	Output											
1. Availability of irrigation for at least 2 cycles of rice production in a year	1-1. Micro earth dams constructed at NCRI & NCAM											
2. Capacity building for the cluster farmers around NCRI field	2-1. Existing micro earth dam at NCRI 2-2. R & D activities enhanced											
3. Upgrade infrastructures for research & development	3-1. Head dyke at NCRI Hqtrs. & its 9 outstations across the country reactivated											
4. Availability of supplementary water for irrigation	4-1. Construct tube wells and wash bores at NCRI & NCAM											
13. Activities	<p>Specific Objective 1 (Output 1-1) Availability of irrigation for at least 2 cycles of rice production in a year 1-1-1: Site selection for micro earth dam construction 1.1.2: Sourcing of contractor/award of contract 1.1.3: Construction of the dam</p> <p>Specific Objective 2 (Output 2-1) Capacity building for the cluster farmers around NCRI field 2-1-1: Access training needs of cluster farmers 2-1-2: produce training materials 2-1-3: Conduct trainings 2-1-4: Conduct impact assessment of trained farmers 2-1-5: Conduct impact assessment on research activities</p> <p>Specific Objective 3 (Output 3-1) Upgrade infrastructures for research & development 3-1-1: Specification development for the infrastructures and contract process 3-1-2: Commencement of upgrading/reactivation 3-1-3: Backstopping to ensure compliance to specification 3-1-4: Training on infrastructure use to enhance sustainability</p>											

	<p>3-1-5: Monitoring and backstopping to ensure appropriate use and improved maintenance culture.</p> <p>Specific Objective 4 (Output 4-1)</p> <p>Availability of supplementary water for irrigation</p> <p>4-1-1: Conduct a need assessment</p> <p>4-1-2: Site selection for the construction of tube wells and wash bores</p> <p>4-1-3: Selection of contractor/award of contract</p> <p>4-1-4: Construction of tube wells and wash bores</p>
14. Expected Impact	2 cycle of rice seed produced at NCRI and all year-round training at NCAM
15. Potential Collaborators	FMARD, FMoWR, TRIMMING, FAO, Private Sector