

Concept Note 9: Improving Quality and Value Addition to Milled Rice

1. Title (Full name)	Improvement of Milled Rice Quality and Value Addition to Rice side and by products													
2. Project Location	Nationwide													
3. Implementing Agency	Federal Ministry of Agriculture and Rural Development													
4. Beneficiaries	Extension Agents, Small and Medium scale processors, integrated rice mill operators, Youth and Women													
5. Target Group	Small to medium scale processors, youth, and women													
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 (specify below) (Select as appropriate) 1, 2, 3, 5, 6, 7, 8, 9 & 10													
8. Suggested Funding sources	Federal Government (FMARD), JICA, GIZ, FAO, State Government, USAID, FCDO, ISD, AFDB, AFD, World Bank, UNDP, IFAD, BOI, BOA, other financial institutions													
9. Budget (USD)	3,326,315.79													
10. Duration of the project	3-4 years													
11. Background														
12. Goal and objective	<p>Overall objective Improving milled rice competitiveness and value addition to rice side products.</p> <table border="1"> <thead> <tr> <th>Specific Objectives</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>1. Enhance the capacity of small-scale rice processors</td> <td>1-1. Capacity of small-scale rice processors and extension agents is enhanced</td> </tr> <tr> <td>2. Improve efficiency from small, medium to large scale rice processors</td> <td>2-1. Improved milling efficiency across small, medium to large scale rice processors</td> </tr> <tr> <td>3. Improve quality of milled rice</td> <td>3-1. Improved milled rice quality</td> </tr> <tr> <td>4. Improved access to modern processing equipment</td> <td>4-1. Small to medium scale processors have access to modern processing equipment</td> </tr> <tr> <td>5. Promotion of utilization of milled rice byproducts</td> <td>5-1. Increase in variety of rice byproducts and value addition to milled rice.</td> </tr> </tbody> </table>		Specific Objectives	Output	1. Enhance the capacity of small-scale rice processors	1-1. Capacity of small-scale rice processors and extension agents is enhanced	2. Improve efficiency from small, medium to large scale rice processors	2-1. Improved milling efficiency across small, medium to large scale rice processors	3. Improve quality of milled rice	3-1. Improved milled rice quality	4. Improved access to modern processing equipment	4-1. Small to medium scale processors have access to modern processing equipment	5. Promotion of utilization of milled rice byproducts	5-1. Increase in variety of rice byproducts and value addition to milled rice.
Specific Objectives	Output													
1. Enhance the capacity of small-scale rice processors	1-1. Capacity of small-scale rice processors and extension agents is enhanced													
2. Improve efficiency from small, medium to large scale rice processors	2-1. Improved milling efficiency across small, medium to large scale rice processors													
3. Improve quality of milled rice	3-1. Improved milled rice quality													
4. Improved access to modern processing equipment	4-1. Small to medium scale processors have access to modern processing equipment													
5. Promotion of utilization of milled rice byproducts	5-1. Increase in variety of rice byproducts and value addition to milled rice.													
13. Activities	<p>Specific Objective 1 (Output 1-1) Enhance the capacity of small-scale rice processors 1-1-1: Training of farmer groups, parboilers, and extension agents on improved processing techniques. E.g., improved parboiling techniques</p> <p>Specific Objective 2 (Output 2-1) Improve efficiency from medium to large scale rice processors 2-1-1: Development of training manual on milling operation 2-1-2: Training mill operators on milling efficiency (machine calibration, maintenance, etc.)</p> <p>Specific Objective 3(Output 3-1) 3-1-1: Development of grading standards for milled rice 3-1-2: Training on milling standards and food safety for rice processors</p> <p>Specific Objective 4(Output 4-1) Improved access to modern processing equipment</p>													

	<p>4-1-1: Facilitate access to finance for medium to large scale processors to purchase processing equipment</p> <p>4-1-2: Creation of awareness on duty waiver for rice processing equipment</p> <p>Specific Objective 5 (Output 5-1)</p> <p>Promotion of utilization of milled rice byproducts</p> <p>5-1-1: Introduction and promotion of Husk briquetting machine</p> <p>5-1-2: Promotion of bran for animal feed/ energy generation</p> <p>5-1-3: Training of women and youth on how to generate income from transforming these rice byproducts</p> <p>5-1-4: Training of women and youths on income generation through value addition to unparoled milled rice (Rice drinks, Rice snack etc)</p>
14. Expected Impact	<ol style="list-style-type: none"> 1. Improved milled rice quality 2. Improved milling efficiency 3. Improved use of rice by and side products 4. Improved access to finance for small to large scale rice processors 5. Competitiveness of domestic rice enhanced
15. Potential Collaborators	Private Sector, Research and development, Development partners, RIPAN, RIMAN, ASMORIN (Association of Modular Rice of Nigeria). SON, NAFDAC and Financial Institutions,