

Summary of NRDS2 Concept Notes: Tanzania

	Title, Location, Period	Overall Objective (Goal)	Specific Objectives	Components and Activities (excluding Project Management Component)	Budget (TSh)
1	Improving rice climate resiliency through varietal development and seed systems - Morogoro, Mbeya, Shinyanga Tabora and Songwe regions - 5 years	To increase rice productivity and production through the adoption of high yielding climate smart rice varieties	To develop rice varieties resistant to locally prevailing biotic and abiotic stresses	Varietal development 1. Provide research institutes with prerequisite infrastructures and facilities for production of improved seed (construct 100ha irrigation scheme, screen houses, small breeding gardens around the station, combine harvesters, tractors, ploughs, harrows, levelers, transplanters, direct seeders, rotorvetors, combine harvester, seed driers, seed winnowers) all for two TARI centers except the irrigation scheme 2. Create climate smart lines and lines for high contents of zinc and iron by Marker Assisted Back-crossing 3. Conduct on-station screen house and field screening of breeding lines 4. Conduct multi-locational trials 5. Conduct National Performance Trials (NPT) and Distinctiveness Uniformity and Stability (DUS)	22,509,575,000 - Grant - Tech Coop/Assist - National budget - Private sector
			To create awareness for adoption of 5 newly improved rice varieties through demonstration	Awareness Creation through demonstration 1. Conduct stakeholders inception meetings 2. Conduct farmers mobilization meetings 3. Conduct variety demonstration 4. Conduct farmers field days 5. Conduct local study tours/exchange visits to 250 farmers and 25 extensions officers	
			To promote entrepreneurship in Quality Declared Seed (QDS) Production	Seed production 1. Identification of QDS producers 2. Train QDS producers on business skills, seed production regulations and standards	
			To improve institutional capacity for seed quality and standards	Seed system institutional capacity strengthening 1. Build institutional capacity of TOSCI on seed quality control, variety registration 2. Build institutional capacity of TARI in breeder seed production and pre-basic-seed multiplication 3. Build institutional capacity of ASA in seed production, marketing and distribution	

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2	Strengthen extension services for effectively combatting the impacts of the climate resilience - Katavi, Mbeya, Dodoma, Kilimanjaro, Mtwara, Lindi, Ruvuma, Geita, Morogoro, Mwanza - 5 years	To promote new technologies for rice crop, soil and water management	To strengthen extension services on crop, soil and water management technologies	Strengthen extension services on improved crop, soil and water management 1. To develop awareness materials (leaflets and flyers) on improved crop, soil and water management technologies 2. Develop and air TV/Radio programs on improved crop, soil and water management technologies 3. Establish demonstration plots to facilitate adoption of improved crop, soil and water management technologies (Water Use Efficiency- WUE)	995,000,000 - Grant - Loan - Tech Coop/Assist - Private sector
			To promote adoption of improved agricultural technologies on rice	To promote adoption of improved agricultural technologies on rice 1. To conduct training on improved crop, soil and water management technologies 2. To conduct farmers field days, local study tours and exchange visits 3. To conduct agricultural shows and exhibitions 4. To train extension staffs on new improved crop, soil and water management technologies	
			To strengthen extension service by involving private sector	Strengthening extension service by involving private sector 1. To enhance private sector to participate on extension service provision	
3	Improving Regional Market Competitiveness of Tanzania's Rice Through Policy Stability and coherence with RECs - Morogoro, Iringa, Mbeya, Tabora, Shinyanga and Rukwa - 5 years	Enhancing Competitiveness of Tanzania's Rice in the Regional Markets	To harmonize tax system within and outside the country	Harmonize tax system within and outside the country 1. To conduct desk top review on different tax rates and systems in rice crop sub-sector 2. To conduct rice stakeholders meeting to discuss and agree on the taxes, fees and other charges along the rice value chain which impede their competitiveness and participation in the regional markets 3. To review and harmonize taxes, fees and other charges that hinder competitiveness in the regional markets	2,462,000,000 - Grant - Tech Coop/ Assist - National budget
			To promote compliance of locally produced rice with regional standards	Promote rice quality to comply with regional standards 1. To conduct training to rice value chain actor on rice quality regional standards 2. To identify and promote pre and post-harvest management technologies and practices in rice crop sub-sector	
			To strengthen rice marketing systems so as to improve access to the regional markets	Strengthen rice marketing systems in the region 1. To conduct rice inventory mapping of public and private stocks 2. To establish reliable rice market information system in the region 3. To construct and rehabilitate marketing infrastructure in the six rice producing areas	

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4	Enhancement of Regional Market competitiveness of Tanzania Rice through Grain Quality Improvement - Morogoro, Mbeya, Shinyanga and Tabora regions - 5 years	To improve the quality and competitiveness of locally produced rice	To support Millers to adopt good milling practices and technologies for production of quality rice	Strategic support to Millers 1. Provide technical training on Good Milling Practices 2. Create awareness and promote rice branding, packaging and labelling 3. Link Millers with Machine service providers for technology and operation 4. Organize Millers local study tour and exchange visits	3,822,000,000 - Grant - Loan - Tech Coop/Assist - National budget - Private sector
			To increase awareness of regional rice standards and grades	Awareness on regional rice standards and grades. 1. Conduct training on rice standards and grades to millers 2. Conduct training on GAP and postharvest management to farmers for quality paddy production	
			To facilitate rice certification branding and packaging	Rice certification branding and packaging 1. Link millers with accredited certification agencies (TBC, SIDO and weights & measures) 2. Linking millers with brand designing and packaging companies 3. Train on food safety and hygiene standards and regulations 4. Training millers and traders on business skills and trade regulatory compliance	
			To facilitate reliable market information flow system	Establish market information system 1. Designing MIS platforms 2. Develop digital marketing information system 3. Train rice value chain stakeholders on application of the digital marketing systems 4. Sensitize women and youth participation on E-marketing systems	
5	Promotion of use of appropriate and affordable cost-saving technologies in rice production - Kilimanjaro, Shinyanga, Iringa, Dodoma, Mbeya and Morogoro. - 4 years	Increase paddy productivity and profitability using simplified labor serving technologies	Promote use of improved seeds for paddy production	Formation of farmers group for paddy Quality Declared Seed (QDS) production 1. Farmers training on QDS production 2. To sensitize woman and youth on QDS production 3. To sensitize farmers to use improved paddy seeds for better productivity	3,946,800,000 - Grant - Tech Coop/ Assist - National budget - Private sector
			Promote machinery use in land preparation, planting, weeding, harvesting and threshing	Build capacity of operators and technicians for improved operations and maintenance of agricultural machinery 1. To build capacity to Agricultural Mechanization service providers on operation management and entrepreneurship in 15 LGAs annually 2. To conduct need assessment on demand of agricultural machinery in 20 irrigations schemes in 10 LGAs by 2022 3. Provide support for private sector led entrepreneurship and investment in agricultural machinery management, maintenance, and service provision	
			Promote proper Water management Techniques in rice field	Promote proper Water management Techniques in rice field 1. Train farmers on application of System of Rice Intensification (SRI) technique for water saving	

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				2. Farmers training on field layout and bund construction for water control 3. Farmers training on operation and management of the paddy fields	
6	Promotion of Improved rice farming technologies in Tanzania - Mbeya, Songwe, Morogoro, Tabora and Shinyanga - 5 years	Increase rice production and productivity of smallholder farmers through adoption of improved rice farming technologies	Promote accessibility and use of improved agricultural technologies Enhance service provision to smallholder farmers through ICT applications	Accessibility and use of improved agricultural technologies 1. To conduct matchmaking meeting between rice value chain actors 2. To conduct Training of Trainers sessions on improved agricultural technologies (agro-inputs, agro-machines, irrigation, etc.) 3. To sensitize farmers to form groups for easy access to agricultural technologies and financial credit 4. To establish demonstration plots in 25 Districts for practical training to smallholder rice farmers Develop and promote use of ICT applications 1. To develop baseline and inventory database on improved agricultural technologies 2. To create awareness through leaflets, TV/Radio program and social media platforms on improved agricultural technologies on rice production 3. Building capacity of women and youth farmers to practice and use labor saving technologies 4. To develop ICT applications (mobile phones, smart phones and web-based) on the use of the improved agricultural technologies 5. Promote hiring services for agricultural machinery through ICT technology platform	865,000,000 - Grant - Tech Coop/Assist - National budget - Private sector
7	Enhancing access to finance to rice value chain actors -Tanzania Mainland - 5 years	Enhancing access to agricultural finance to rice value chain actors in Tanzania	To facilitate accessibility and management of finance to rice value chain actors focusing on the financial needs of women and youths to foster social equity To establish mechanisms to de-risk and introduce blended finance for rice crop sub-sector	Facilitate accessibility of finance to rice value chain actors 1. To mobilize farmers' groups formation and registration as one of the requirements to access agriculture credit 2. To train farmers on credit and loan management 3. To sensitize farmers to acquire land title deeds to be used as collateral to access loan Mechanisms to de-risk and introduce blended finance 1. To promote the adoption of crop insurance scheme rice stallholder farmers 2. Facilitate credit guarantee facilities to rice value chain actors	679,100,000 - Grant - Tech Coop/Assist - National budget - Private sector
8	Establishment of new irrigation scheme and rehabilitation of existing scheme	To expand rice cultivable area under irrigation for enhanced crop production	To improve irrigation structures for sustainable crop production	Improving irrigation structures 1. Conduct feasibility study 2. Construct 5 embankment dams for harvesting water during rainy season to supplement the rain fed irrigation during period of no rains 3. Rehabilitate existing 5 rice irrigation structures	143,223,520,000 - Grant - Loan - Private sector

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	for expanding rice production - Katavi, Mbeya, Dodoma, Kilimanjaro, Mtwara, and 5 other Regions - 5 years	and profitability that will contribute to food security	To enhance capacity of farmers, technicians and Irrigator's Organizations (IOs) leaders on water management techniques, financial management, crop production, operation and maintenance	4. Construct 5 new rice irrigation scheme Enhancing capacity of farmers, technicians and Irrigator's Organizations leaders 1. Build capacity of farmers, technicians and IOs' on water management techniques, financial management, crop production, operation and maintenance 2. Train 1500 and equip youth on knowledge and skills on irrigated rice production	
9	Improving land tenure policies and legislation for rice farmers in Tanzania - Morogoro, Iringa, Mbeya, Tabora, Shinyanga and Rukwa - 5 years	To improve land ownership, access and land use especially by youth and women in rice production	To reinforce use of villages land tenure policies, legislation and land use plan To enhance gender equity in land ownership in rice production To enable youth to have access land for agricultural production	Land tenure policies, legislation and land use plan 1. To harmonize land and agriculture policies and legislation in protecting potential land for rice production 2. To conduct awareness training on land tenure policies and legislation to rice farmers including youth and women 3. To establish platforms between rice farmers, land policy enforcers and regulators 4. To identify existing villages land use plan 5. To prepare detailed integrated land use plan at district and village levels without land use plan in six rice producing regions 6. To sensitize community on the use of district and villages land use plan Gender equity in land ownership in rice production 1. To conduct training for rice farmers on gender equity with regards to equal access to and use of land for both men and women for rice production Enable youth to access land for rice production 1. To advocate Local Government Authorities to allocate potential agriculture land for youth to engage in rice production	1,029,000,000 - Grant - Tech Coop/Assist - National budget
10	Engagement of private sector in the expansion of rice cultivable area in Tanzania	Strengthen Private Public partnership and Private Partnership on agro-industries development	Create business enabling environment for private sector investment on agro-inputs and machinery industries	Enabling environment for private sector engagement in agro-inputs and machinery supply 1. To conduct situation analysis to identify stakeholders engaged on agro-input and machinery supply and state of PPD platforms 2. To establish new and strengthen existing innovative district rice value chain platforms 3. To advocate for improvement of rural infrastructures	1,190,000,000 - Grant - Loan - Tech Coop/Assist - Private sector

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	- Katavi, Mbeya, Dodoma, Kilimanjaro, Mtwara, and 5 other Regions -5 years		Promotion of Private sector and other non-state actors' investment on agro-inputs and machinery industries	Private Sector investment on agro-inputs and machinery industries 1. Awareness creation on potential areas for investment on agro-industries 2. To conduct matchmaking between rice farmers and stakeholders along rice value chain 3. Capacity building of local mechanics on agricultural machineries 4. To establish and retool of agro machinery hiring centers	