



**Bangladesh Rice Research Institute
Regional Station, Satkhira-9400**

Summary of Research Program 2021-22

Sl. No.	Title	PI & CI	Status	Objective	Season	Location	Budget (Lac Tk.)	Source of Budget
1	Morphological and molecular characterization of newly collected rice germplasm	PI: MAR CI: SMMI, KMI	New	To characterize newly collected rice germplasm using morphological traits	Aman	On-farm	1.0	GoB
2	Hybridization	PI: MAR CI: SMMI, KMI	New	To develop breeding lines with high yield potential along with desirable growth duration, acceptable grain quality and resistance to insect pests and salt tolerance	Aman	On-farm	2.0	GoB
3	Adaptability of BRRRI hybrid rice-based cropping pattern for the southern coastal ecosystem of Bangladesh	PI: MAUR CI: SMMI	New	To find out the adaptability and feasibility of BRRRI hybrid rice-based cropping patterns for saline prone areas	Year-round	On-farm	3.0	GoB
4	Effect of zinc fertilization on zinc biofortified rice in zinc-deficient soil	PI: MIU Sarkar CI: SMMI	New	To study the effect of Zn fertilization on Zn accumulation and uptake into grain, husk and straw of Zn fortified rice varieties.	Boro	On-farm	1.0	GoB
5	Effect of seedling age and rate for transplanting of hybrid rice on growth duration and yield	PI: MAUR CI: SMMI	New	To find out the appropriate age and number of seedlings for transplanting of hybrid rice to obtain optimum yield in shortest period	Boro, T. Aman	On-farm	2.0	GoB
6	Sustainable farming model development for the southern coastal gher-ecosystem of Bangladesh	PI: MAUR CI: MI, SMMI	New	1. To develop sustainable farming practices for maximizing the productivity of gher system 2. To optimize the land and water use efficiency per unit area in order to increase the farm income	Year-round	On-farm	2.5	GoB
7	Development of four-cropped cropping pattern under irrigated ecosystem	PI: MAUR CI: MI, SMMI	On-going	1. To increase the total productivity of unit area per year by increasing cropping intensity 2. To compare the sustainability of four cropped cropping patterns in terms of soil health and economic profit	Year-round	On-farm	1.0	GoB
8	Long term missing nutrient trial	PI: SMMI CI: MAUR, MI	On-going	To find out the long-term missing nutrient effect on rice yield	Boro, T. Aman	On-station	1.0	GoB

Sl. No.	Title	PI & CI	Status	Objective	Season	Location	Budget (Lac Tk.)	Source of Budget
9	Stability Analysis of BRRI Varieties at Satkhira	PI: CI: MIUR, MAUR, SMMI	On-going	To find out the suitability and adaptability of the particular variety	Boro, T. Aus, T. Aman	On-station	2.0	GoB
10	Seed production and dissemination program (SPDP)	PI: SMMI CI: MAR, MAUR	On-going	To disseminate BRRI varieties rapidly among the farmers of this region.	Boro, T. Aman	On-farm	1.0	GoB
11	Evaluation of increased nitrogen rates for Boro rice cultivation in saline area	PI: MIUS CI: SMMI, MI	On-going	To find out optimum nitrogen dose for Boro rice production in the saline affected area	Boro	On-farm	2.0	GoB
12	Evaluation of increased potassium rates for Boro rice cultivation in saline area	PI: SMMI CI: MIUS, MI	On-going	To find out optimum potassium dose for Boro rice production in the saline affected area	Boro	On-farm	2.0	GoB
13	Optimization of Nitrogen and Potassium requirements for Boro rice in gher system	PI: SMMI CI: MAUR, MI	On-going	To find out optimum N and K requirements for Boro rice in gher areas	Boro	On-farm	1.5	GoB
14	Optimization of Phosphorus and Sulphur requirements for Boro rice in gher system	PI: SMMI CI: MAUR, MI	On-going	To find out optimum N and K requirements for Boro rice in gher areas	Boro	On-farm	1.5	GoB
15	Screening of hybrid parental lines at full growth stages in the saline field	PI: MAR CI: PLB, SMMI	On-going	Selection of parental materials with better phenotypic acceptance, higher yield potential and higher survivability than standard checks under saline affected field.	Boro	Koyra & Kaligonj	1.0	GoB
16	Increasing fertilizer use efficiency and resilience in saline soils	PI: SMMI CI: MA, MI, MRI	On-going	i) To manage soil salinity using organic and inorganic sources To develop technology for increasing rice yield	Boro	On-station/ farm		Project
17	Effect of FLORA on growth and yield of rice	PI: MIUS CI: MI, MRI	On-going	To find out the effect of FLORA on growth and yield parameters of rice	Boro	On-station		Project
18	Monitoring Soil-Water Salinity of BRRI Farm, Satkhira	PI: MAUR CI: SMMI, MAR	On-going	To know the salinity status of BRRI-RS, Satkhira	Boro, T. Aman	On-station	1.0	GoB
19	Monitoring Weather Status of BRRI Farm, Satkhira	PI: MAUR CI: SMMI, MAR	On-going	To know the weather status of BRRI-RS, Satkhira	Year-round	On-station	1.0	GoB
20	Regional Yield Trial (RYT)	PI: MAR CI: SMMI	On-going	To evaluate specific and general adaptability of the advance breeding lines with respective check-in on-station condition	Boro, T. Aman	On-station	1.5	GoB

Sl. No.	Title	PI & CI	Status	Objective	Season	Location	Budget (Lac Tk.)	Source of Budget
21	Advanced Line Adaptive Research Trial (ALART)	PI: MIU Sarkar CI: SMMI	On-going	To evaluate suitability and adaptability of the advanced line	Boro, T. Aman	On-farm	2.0	GoB
22	Head-to-head adaptive trial (HHAT) of Modern Rice Varieties	PI: MIU Sarkar	On-going	1. To find out the adaptability of BRRI released rice varieties in various regions of Bangladesh 2. To compare modern rice varieties with popular local varieties 4. Rapid extension of modern rice varieties at field level	Boro, T. Aman	On-farm		TRB Project
23	Integration of mustard and pulses in the rice-growing environments	PI:	New	To increase farm productivity	Year-round	On-farm		GoB
TRB-BRRI								
24	LST (Line Stage Trial)	PI: MAR ¹ CI:HK	On-going	Development of Salt tyolerant variety suitable for saline prone areas of coastal districts	Aman/ Boro	BRRI farm	TRB	TRB
25	Observational Yield Trial (OT)		On-going	Identification of genetically fixed lines from non-replicated trial suitable for saline areas	Aman/ Boro	On-station, On-farm	TRB	TRB
26	Preliminary Yield Trial (PYT)		On-going	Initial evaluation of yield, salt tolerance and other agronomic characteristics of selected materials in replicated trial.	Aman/ Boro	On-station, On-farm	TRB	TRB
27	Advanced Yield Trial (AYT)		On-going	Confirmatory evalauation of selected genotypes for yield and other agronomic traits in replicated trial	Aman/ Boro	On-station, On-farm	TRB	TRB
28	Regional Yield Trial (RYT)		On-going	To evaluate specific and general adaptability of advanced breeding lines as compared with standard checks in Satkhira	Aman/ Boro	On-station, On-farm	TRB	TRB
29	Seed production of BRRI dhan97 and BRRI dhan99		On-going	To disseminate BRRI varieties rapidly among the farmers of this region.	Aman/ Boro	On-station, On-farm	TRB	TRB

PI = Principal Investigator, CI =Co-Investigator, SMMI = Sarder Md. Mofijul Islam, MIUR = Md. Imran Ullah Sarkar, MAR = Md. Asif Rahman, MAR¹ = Md. Akhlasur Rahman, HK= Hasina Khatun, MAUR = Md. Amanut Ullah Razu, MI = Md. Ibrahim (HQ), PLB= Priya Lal Biswas, KMI= KM Iftekharuddaula, MRI = Md. Rafiqul Islam (HQ)