Proposed Research Program 2024-2025

Sl. No.	Program Area/Project/ Experiment Title & Duration	Major Objective	Expected output	Annual Budget (Thousand Tk.)
	BRRI Regional Station, Habiganj			
	Program Area: Varietal Development			
1.1	Project-1: Local germplasm collection, evaluation and pure line selection **Experiment Title:** Pure line selection Duration: 2023-24	1. To characterize and purify local germplasm 2. To identify the best local land race varieties for direct use or deploy in the breeding program	Selection of best local land race varieties for direct use or using in the breeding program	50
1.2	**Project-2: Development of shallow flooded rice for Haor areas** **Experiment Title:** Hybridization Duration: 2023-24	Introgression of genes from diverged genetic background into rice varieties/lines for the improvement of standard B. Aman varieties	Development of shallow flooded rice varieties (100 cm) for Haor ecosystem	50
1.3	**Project-3: Development of photosensitive varieties suitable for Haor areas** **Experiment Title:** Hybridization Duration: 2023-24	To develop photosensitive rice varieties for late T. Aman situations of Haor ecosystem	Replacement of BR22 in the late T. Aman situations of Haor ecosystem	50
	Experiment Title: Confirmation of F_1 Duration: 2023-24	To confirm the crosses as true hybrid		50
	Program Area: Pest Management			

2.1	**Experiment Title:** Survey and monitoring of major rice insects in Habiganj district Duration: 2023-24	1. To know the prevalence of major rice insects 2. To assume the rice yield losses due to rice insects	Observing insect pest and natural enemy's population	50
2.2	**Experiment Title:** Integrated management of Bakanae disease of rice. Duration: 2023-24	To control Bakanae disease of Rice	Control of Bakanae disease of Rice	50
2.3	**Experiment Title:** On farm evaluation of Trichocompost in controlling Bakanae disease Duration: 2023-24	To observe efficacy of of Trichocompost in controlling Bakanae Disease	Control of Bakanae disease of Rice at farmers field	50
	Program Area: Crop-Soil-Water management			
3.1	Effect of planting times on BRRI developed latest T Aman varieties	1. To find out the optimum planting time of the rice varieties in Haor areas	Appropriate time of planting on new rice varieties, lodging tolerance, cold tolerance and preharvest sprouting of different rice genotypes will be determined.	60
3.2	Evaluation of latest T Aman rice varieties for lodging tolerance	To determine the lodging characters of rice varieties.		50
3.3	Optimization of planting times of BRRI developed Boro varieties	1. To optimize planting time for reducing flash flood risk and cold injury. 2. To observe cold tolerance level of tested rice varieties		60
3.4	Characterization and evaluation of rice genotypes for cold tolerance	1. To characterize rice genotypes at natural cold condition. 2. To evaluate rice genotypes at natural cold condition		50
3.5	Evaluation of rice genotypes for	1. To identify the pre-harvest sprouting		50

	preharvest sprouting	tolerant genotypes		
	Program Area: Socio Economic and Policy			
4.1	Stability analysis of BRRI released rice varieties	1. To investigate the stability of BRRI varieties for specific season. 2. To find out location specific suitable variety(s).	Stability and suitability of BRRI released rice varieties will be determined.	50
	Program Area: Technology Transfer			
5.1	Demonstration of Modern Rice Varieties (Total demo 1500) **GoB**: Aus: 150 bigha, Aman: 150 bigha, Boro: 200 bigha. **Hybrid Rice Project**: Aus: 30 bigha Aman: 30 bigha, Boro: 40 bigha **PARTNER Project**: Aus: 50, Aman: 200 Acre, Boro: 400 Acre **LSTD Project**: Aus: 50 Acre, Aman: 100 Acre, Boro: 100 Acre	To demonstrate and disseminate BRRI varieties in Sylhet region.	Popularization of BRRI developed latest varieties among the farmers and extension workers	10,000
5.2	Farmer's and SAAOs training on modern rice cultivation and disease management technology (GoB, PARTNER & LSTD)	To increase farmers/SAAOs knowledge	Trained farmers and SAAOs	800
5.3	Field day on modern rice cultivation (GoB, PARTNER & LSTD) (Total 5000)	1. To disseminate rice production technologies 2. To increase farmers knowledge	Dissemination of rice production technologies	500
5.4	Breeder seed production	Produce breeder seeds for further seed	Breeder seed	2000

		multiplication. Enrich seed stock of modern rice varieties.		
5.5	TLS/Quality seed production	Utilize quality seed for conducting Research and Demonstration Provide seeds to different stakeholders to enhance dissemination of modern rice varieties.	TLS/Quality seed	200