

Proposed Research Program 2024-2025

Sl. No.	Program Area/Project/ Experiment Title & Duration	Major Objective	Expected output	Annual Budget (Thousand Tk.)
	BRRRI Regional Station Rangpur			
1	Development of rice varieties suitable in Rangpur region	Development of high yielding (≥ 8.0 t/ha) rice varieties giving the thrust is to develop short duration varieties accompanied with tolerance to drought, resistance to major biotic stresses (insect and diseases) and acceptable grain quality	Region specific high yield potential variety will be developed.	250
2	Breeding of Photoperiod-sensitive rice varieties (PSR) for Lowland and Charland ecosystem	To develop moderate photoperiod-sensitive climate smart rice varieties with high yield potential (≥ 8.0 t/ha) with acceptable grain quality.	Moderate photoperiod-sensitive rice varieties with high yield potential (≥ 8.0 t/ha) with acceptable grain quality will be developed for lowland and charland ecosystem	250
3	Breeding for Second Generation Rice (SGR)	Development of high yielding (≥ 8.0 t/ha for T. Aman and ≥ 10.0 t/ha for Boro) rice varieties by modifying plant type giving the thrust is to develop short duration varieties accompanied with tolerance to drought/cold, resistance to major biotic stresses (insect and diseases) and acceptable grain quality.	High yield potential variety will be developed through ideotype breeding.	250
4	Breeding for Basmati Rice	Development of high yielding (≥ 6.0 t/ha for T. Aman and ≥ 8.0 t/ha for Boro) rice varieties with improved modified plant type giving the thrust is to develop short duration varieties from diverse genetic background for tolerant to cold, sturdy	High yield potential photo-insensitive basmati type variety will be developed	250

		stem, resistance to major biotic stresses (insect and diseases) and acceptable basmati quality.		
5	Development of hybrid rice parental lines and hybrids	To develop maintainer and restorer lines from diverse genetic origin	BLB and blast resistant hybrid variety will be developed.	550
6	Effect of Time of Planting of Newly Developed BRRI Varieties in Different Regional Stations	Establishment of crop at the right time plays vital role in the performance of rice. Specific agro-climatic conditions of different regions influence the planting time of a variety.	Optimize best planting time for specific agro-climatic conditions	600