

## Proposed Research Program 2024-2025

Sl. No.	Program Area/Project/ Experiment Title & Duration	Major Objective	Expected output	Annual Budget (Thousand Tk.)
<b>BRRRI Regional Station, Gopalganj</b>				
1.	Collection of local rice landraces	To collect local rice landraces for breeding purposes and conserve in the Genebank of BRRRI	Collected germplasm will safely be conserved and documented along with their characters	80000.00
2.	Phenotypic characterization and rejuvenation of newly collected local rice germplasm from Faridpur and Khulna region	To increase seed and characterize rice landraces as per 'germplasm descriptors and evaluation form' of GRSD, BRRRI.	Characterized rice landraces will be maintained, documented, and used for breeding purpose	120000.00
3.	Secondary yield trial of deepwater rice germplasm	To evaluate the yield performance of seven deepwater rice germplasm for comparison with standard check	The specific and general adaptability of the dee water rice germplasm as compared with standard checks will be evaluated in on-station conditions at Gopalganj Farm	30000.00
4.	Breeding for developing high-yielding shallow flooded deep water and stagnation tolerant rice varieties (Hybridization)	To develop a breeding population with desirable characteristics with emphasis on water stagnation tolerance, anaerobic tillering, high-yielding shallow flooded deepwater Aman rice varieties	The new variety will be developed	120000.00
5.	Developing high-yielding homozygous lines from cultivated popular Hybrid rice varieties through FRGA	To develop high-yielding homozygous lines with desirable characters with high-yield	The new variety will be developed	80000.00
6.	Deciphering the genetic potential of native rice ( <i>Oryza sativa</i> L.) landraces for	i. To evaluate the rice accessions for anaerobic germination tolerance ii. to identify the novel QTLs/ genes	The new materials will be developed and the identified traits will be used for future rice breeding programs.	620000.00

	tolerance to anaerobic germination	for AG-related traits by exploring Bangladeshi landraces		
7.	Improvement of Boro-Fallow-Fallow Cropping pattern in Gopalganj District	To increase productivity by improving the existing cropping pattern	Productivity and reduce the cost of production of rice in the Faridpur region (Gopalganj) will be increased	150000.00
8.	Demonstration trial of BRRI-developed HYVs and Hybrid varieties	To disseminate the modern HYVs and Hybrids varieties in Faridpur and Khulna region	Modern HYVs and Hybrids varieties in Faridpur and Khulna region will be disseminated.	1800000.00