Government of the People's Republic of Bangladesh
Ministry of Agriculture
Bangladesh Rice Research Institute
Research Wing
www.brri.gov.bd

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Subject: Proceedings of the Research Program Committee Meeting 2025-26

The Research Program Committee Meeting was held on 20 March 2025 at the Training Complex Conference Room, BRRI for the approval of research program 2025-26. **Dr. Md. Rafiqul Islam**, Director Research (Routine Charge) chaired the meeting, **Dr. Mohammad Khalequzzaman**, Director General (Routine Charge) was present as a chief guest and **Dr. Munnujan Khanam**, CASR, BRRI was present as a special guest. All heads of research divisions and regional stations were present in the Program Committee Meeting and contributed in the discussion session constructively.
After details discussion, the committee approved the research program subject to making following suggestions and corrections.

Issue/agenda	Discussion	Decision
VARIETAL DEVELOPMENT		
Plant Breeding Division		
Yield Potential of Inbred Rice Variety	• Potential rice varieties of BRRI were discussed	• BRRI dhan73 is not popularized. A priority list should be made before taking varietal development research program. • Aromatic lines of BRRI dhan90 should be sent to GQN division and only the aromatic lines should be promoted to RYT.
ALART and PVT Material for varietal development		ALART material from drought tolerant rice varietal development should be sent to the Gene Bank.
Biotechnology Division		
Strong Photo sensitive rice variety development	RYT trial for strong photo sensitive rice development should be done considering different photo sensitive zone in Bangladesh	• ALART at Sathkhira and Barishal can be done at a time.
Rain fed low land rice variety development	ALART for BR(Bio)15086-AC120-18	BRRI dhan71 and BRRI dhan75 should be taken as check during ALART for BR(Bio)15086-AC120-18.
C4 rice development	• Rice and Wheat cross or Rice and Sorghum cross • No progress on Crispr-Cas9 research.	• Whether these crosses can be done or not should be investigated. • Whether GAMMA-ray can be reduced or not should be investigated.
Genetic Resource and Seed Division		
Seed unit	• Seed unit of GRS division will act in full swing for production, storage, maintenance and distribution of Breeder seed and TLS.	• A combine meeting with P. Breeding div and Hybrid Rice div should be held before breeder seed production.

Dormancy development	• Pre-harvest sprouting is a problem for promising rice varieties.	• ALART materials should be sent to P. Physiology division for Pre-harvest sprouting screening. Any advance line having Pre-harvest sprouting should not be proposed for variety release.
Germplasm collection, utilization and documentation	• Collection of Germplasm are going on by GRSD. • Development of a software named “Germplasm Management” by MOA is under process.	• Software should be developed by the BRRI scientists instead of MOA, so that BRRI GRS scientists can make data inputs, manage and correct the data and be in control of the software. (DG BRRI)
Germplasm genome Sequencing	• Genome sequencing of germplasm is being done by outsourcing at the University of Saskatchewan, Canada.	• Funding will be done not from GOB but from PARTNER. • Research on properties of white rice and black rice germplasm should be taken.
Grain Quality and Nutrition Division		
Effect of removal of rice water (ভাতের মাড়)	• A comparison analysis of rice properties with or without rice water (ভাতের মাড়) should be done.	• Effect of rice water removal from Red rice (Anthocyanin) should be done.
Making vermicelli (সেমাই) from rice	• Which variety is suitable form making vermicelli (সেমাই) from rice should be tested.	• A machine for making vermicelli can be developed by FMPHT division
Chalkiness of rice variety	• A study should be conducted on why the chalkiness of rice increases or decreases.	• Effect of double or single boiling on rice should be studied
Hybrid Rice Division		
CMS line, B line or R line	• CMS line, B line or R line should be developed from advanced lines of Plant Breeding division	• Information on why hybrid rice is less affected by diseases should be studied.
Reformation of Hybrid rice research program	• Hybrid rice research program was discussed	• Hybrid rice division research program can be finalized by consulting with the head of Plant Breeding and GRS divisions • Genotypes with Rf3, Rf4 and the maintainer genotype should be exchanged among P. Breeding and Hybrid Rice Division.
CROP SOIL WATER MANAGEMENT		
Agronomy Division		
Allelopathy research	• Chemical effect of herbicide was discussed	• Research on Allelopathy should be started. • There is no benchmark study on this • Chemical effect of herbicide should be studied
Plant Physiology Division		

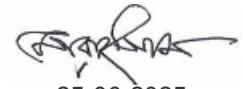
Experiment on Lodging of rice plant	• Boro 2021-22 season observed lodging of some BRRI varieties. Characteristics responsible for lodging of rice plants remains unknown.	• Plant breeding, Physiology and Farm management division should discuss for plot availability for experiment on lodging tolerant in Aus season. • Screening facilities for lodging tolerant rice should be developed.
Crispr-Cas9 research	• There is no progress on Crispr-Cas9 research	• Progress on Crispr-Cas9- OsRR22 gene research (BRRI dhan81) should be given. • Mst. Jinnurain Jannati, a scientist from Plant Physiology division, can work on Crispr-Cas9 research with Dr. Hirendra Nath Barman.
Pre-harvest sprouting of grains	• Pre-harvest sprouting is a problem for promising rice varieties such a BRRI dhan100.	• Screening of ALART materials supplied from plant breeding division should be done by Plant Physiology Division for Pre-harvest sprouting. Any advance line having Pre-harvest sprouting should not be proposed for variety release.
Soil Science Division		
Bio-coated Urea Fertilizer	• Research on Bio-coated urea fertilizer in Salinity area should be done in structured way in the next year	• Experiment can be taken at the moderately and high salinity area in Satkhira.
Irrigation and Water Management division		
Sensor and IoT based irrigation	• Three scientists are working in three different methods.	• Experiments on Automated irrigation will be conducted for one more season, and the results will be reviewed.
PEST MANAGEMENT		
Entomology Division		
Insect and disease survey		• Insect and disease survey should be done in time.
Plant Pathology Division		
Sheath blight resistant breeding line development	Genomic editing/reverse genetics for sheath blight resistant was discussed	• Reverse genetics will be extrapolated for sheath blight resistance • A meeting/workshop with BRRI and BARI scientist can be arranged for collaborative research on Genomic editing/reverse genetics.
FARM MECHANIZATION AND POSTHARVEST TECHNOLOGY		
Farm Machinery and Postharvest Technology Division		
Robotic Farm Mechanization	• Farm machineries can be modernized through using robotics	• FMPHT division may conduct the experiment.
TECHNOLOGY TRANSFER		
Management of ALART		• Number of ALART should be reduced.
Demonstration		• Demonstration list should be provided to the authority
SOCIO ECONOMICS AND POLICY		

Over polishing of rice	• Over polishing of rice was discussed	• Loss due to over polishing of rice during rice milling should be studied
AGRICULTURAL STATISTICS DIVISION		
Stability analysis of BRRI varieties	• Stability analysis of BRRI varieties was discussed	• Advance lines of varietal materials should be included in the stability analysis experiments
Training Division		
Training targets for APA		• Training targets for APA should be reduced
For all research Divisions		
Research Collaboration between H/Q and R/S		Both concerned divisions and R/S should be well informed about the research done in R/S
BRRI R/S Barishal		
Siltation or sedimentation	• Siltation/sedimentation on rice plant during tides in Barishal is a problem.	• Which variety is more susceptible to siltation/sedimentation should be studied
Cultivation of BRRI dhan106 in Barishal region	• Suitability of BRRI dhan106 in Barishal region was discussed	• Suitable area where BRRI dhan106 can be cultivated should be studied
BRRI R/S Cumilla		
Photosensitive rice varieties	• Photosensitive varietal development was discussed.	• F_3-F_4 material from Photosensitive cross should be advanced.
BRRI R/S Gopalganj		
Photosensitive rice varietal development	• Photosensitive rice varietal development experiment was discussed.	• Time of planting expt. in photosensitive rice varietal development should be rearranged.
Deep water rice varietal development	• Deep water rice varietal development was discussed	• Experiment on DWR varietal development should be taken
BRRI R/S Kustia		
Rice-based tobacco cropping system	• Rice-based tobacco cropping system was discussed	• Insect pest infestation dynamics in the Rice-based tobacco cropping system should be studied
BRRI R/S Sirajganj		
Brown spot disease	•	• Experiment on Brown spot disease should continued
For All R/S		
General		• Decisions made in the program committee meeting should be implemented in the concerned divisions and R/Ss • Program area meeting progress will be discussed in October

Dr. Mohammad Khalequzzaman, Director General of BRRI, acknowledged the valuable contributions of the committee members in improving the research program and urged that their suggestions be implemented to further strengthen it. He also called upon all scientists to submit the results of the recent Boro crop cuts promptly. Additionally, he emphasized the need to organize farmer training sessions, distribute Aman seeds, and hold a workshop by mid-June.

Dr. Md. Rafiqul Islam, Director (Research) of BRRI and the meeting chair, urged all scientists to ensure the timely execution of the approved research program. He also expressed his gratitude to the Director

General, Director (Administration & Common Service), and the committee members for their constructive feedback and support in improving the program.



25-06-2025
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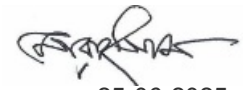
Copy for Kind Information and Necessary Action (Not in the order of seniority):

1. CASR, BRRI;
2. Chief Scientific Officer, Agricultural Statistics , BRRI;
3. Assistant Director (Administration), DG Office, BRRI;
4. PA to Director (A&CS) (Additional Responsibility), Administration Wing, BRRI and
5. PA to Director (Research), Research Wing, BRRI.



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