Table-3
Proposed Research Program 2013–2014

| SL No | Programme area/Project | Major Objectives | Annual Budget (Lack TK) |
|----------|---|---|---|
| | Programme Area: Varietal D | evelopment Programme (VDP) | |
| 1 | Development of Upland Aus Rice | Development of modern rice genotypes suitable for dry direct seeded upland condition. | 7.5 |
| 2 | Development of Transplant Aus Rice | Development of varieties with short growth duration, high yield potential and good grain properties | 3.0 |
| 3 | Development of shallow flooded deep water rice | Development of improve genotypes with slow elongating plant type for 1.0m flood depth | 3.0 |
| 4 | Development of rainfed low land rice (RLR) | Development of varieties with photoperiod sensitivity, short to medium growth duration, acceptable grain quality, suitable for late planting and high yield potential for rainfed low land rice environment | 9.0 |
| 5 | Development of Salt Tolerant Rice | Development of salt tolerant varieties (8-10 dS/m) suitable for the saline prone coastal areas in Aus, Aman and Boro seasons | 10 GOB, STRASA, CURE, CPWF |
| 6 | Development of Premium Quality rice | Development of fine quality rice varieties with and without aroma for national and international standard in T. Aman and Boro seasons | 14.0 |
| 7 | Development of Rice varieties for favourable Boro Environment | Development of genotypes superior to standard rice varieties for irrigated areas of Bangladesh. | 5.0 |
| 8 | Development of Cold Tolerant Rice | The thrust is to develop short duration varieties accompanied with cold tolerance for Boro season. | 5.0 |
| 9 | Development of Low Amylose Rice | Development of high yielding indica rice variety with low amylose (< 20%) content for both domestic use and export. | 2.0 |
| 10 | Development of Micronutrient Enriched Rice | Development of high yielding rice varieties with high Vitamin A, iron and zinc content to improve nutritional quality of rice | 25.0 CIAT-IRRI: Harvest-Plus, IAPP |

| 11 | D. I. d. CD. | D 1 (C : /: | 5.5 |
|----|---|---|---|
| 11 | Development of Disease Resistant Rice | Development of varieties resistant to BB, RTV, Blast & Ufra | 5.5 |
| 12 | Development of Insect Resistant Rice | Development of rice varieties resistant to BPH, WBPH, GLH and GM | 4.0 |
| 13 | Development of Submergence and water Stagnation Tolerant Rice | Development of submergence and stagnant water tolerant rice varieties for flash flood prone (2-3 weeks) and medium stagnant water prone environments | 10.0 GOB, STRASA, AFACI, NATP, BAS, IAPP |
| 14 | Development of Drought Tolerant Rice | To develop drought tolerant varieties for the RLR ecosystem | 14.0 (STRASA, IAPP) |
| 15 | International Network for Genetic Evaluation of Rice (INGER) | To participate international rice network and share diverse genetic sources for breeding new varieties | 6.0 |
| 16 | Development of Green Super Rice (GSR) | To develop less input but high yield potential rice varieties (inbred and hybrid) | 4.0 |
| 17 | Evaluation of Exotic NERICA Genotypes | To evaluate of the performance of NERICA genotypes under dry direct seeded upland condition of Bangladesh | 4.0 |
| 18 | Pyramiding bacterial blight resistant genes into the genetic background of BR11-derived submergence tolerant rice lines | Introgression of two bacterial blight resistant genes (Xa21 and Xa13) into BRRI dhan52 | 15.0 (NATP) |
| 19 | Development of Rice Varieties with Enhanced Submergence Tolerance through Marker Assisted Breeding. | Introgression of Sub1-QTL into BRRI dhan33 | 12.0 (BAS) |
| 20 | Pyramiding Salinity and Submergence Tolerance Genes into BRRI dhan49 Through Marker- Assisted Selection | Introgression of <i>SUB1</i> and <i>SALTOL</i> -QTL into the genetic background of BRRI dhan49 through marker assisted backcrossing | 10.0 (NATP) |
| 21 | Development and dissemination of high yielding rice varieties for increasing productivity in salt affected tidal areas | To develop variety having tolerance to salinity and submergence for salt affected tidal areas of Bangladesh. | 4 (BAS) |
| 22 | Development of Hybrid Rice and Production of Parental Lines | To develop hybrids having non- sticky cooked rice, good adaptability, tolerance to Abiotic stresses suitable and to | 10.0 (NATP) |

| | | develop cost effective hybrid seed production technologies. | |
|----|---|--|-----------------------------------|
| 23 | Development of Arsenic Tolerant Rice | To develop Arsenic tolerant rice varieties | 19.0 (Kornell University, |
| 24 | Development of high beta carotene rice | development of rice varieties with high beta-carotene content in polished grain Deregulation of transgenic golden rice with respect to environment, food and feed safety | 20.0 BMGF-IRRI: Golden Rice |
| 25 | Screening and testing of Improved Aus Rice Varieties/Genotypes Suitable for Rainfed Aerobic Soil Condition of Bangladesh | To develop improved Aus rice varieties having high yield, shorter growth duration (100-105 days), less water requirement and high response to inputs, good aerobic adaptibility and tolerance to abiotic stresses. | 12 KGF |
| 26 | IRRI Cereal System Initiatives for South Asia (CSISA) Activity 3.1 and 3.2 | To develop high yielding genotypes under wet direct seeding conditions. To select best heat tolerant materials under high temperature. | 9 CSISA |
| 1 | Biotechnology Development of rice variety through anther culture | To develop salt tolerant, high yield, quality, BB resistance DH line through anther culture | 100 |
| 2 | Progeny selection | To select the best progeny with high yield and stress tolerance | 100 |
| 3 | Observational trials | To select agronomically desirable and high yield potential materials | 100 |
| 4 | Development of transgenic rice with three different genes | To develop genotypes with salt and drought tolerance | 1500 |
| 5 | Gene pyramiding for resistance to Bacterial blight (BB) | To develop breeding lines possessing two (<i>xa13</i> and <i>xa21</i>) BB resistance genes. | 100 |
| 6 | Identification of yield enhancement QTLs | To identify and introgress high yield QTLs for enhancing grain yield of elite Bangladeshi rice variety. | 1000 |

| | 7.1 101 1 2 2 | I =a ==- : | |
|-----|-----------------------------|--|-----------|
| 7 | Identification of QTLs for | To identify QTLs for salt | 1200 |
| | salinity tolerance at both | tolerance at seedling and | |
| | seedling and reproductive | reproductive stage | |
| | stage | | |
| | Hybrid Rice Division | | |
| | Sub-project-1: Breeding for | | |
| | high yield, high amylose | | |
| | content and fine grain | | |
| | containing hybrid rice | | |
| | variety | | |
| 1.1 | Source Nursery | Identification of prospective | 15,000.00 |
| | , | maintainers and restorers from | |
| | | diverse genetic origin | |
| 1.2 | Test cross Nursery | 1. Confirmation of maintainers and | 20,000.00 |
| 1.2 | | restorers from the crossed entries, | |
| | | 2. Selection of heterotic rice | |
| | | hybrids, | |
| | | 3. Conversion of prospective | |
| | | materials into new CMS lines. | |
| 1.3 | Backcross Nursery | Developing CMS lines from | 20,000.00 |
| | | identified maintainer by back | |
| | | crossing. | |
| 1.4 | CMS Maintenance and | Maintain and evaluate of CMS | 30,000.00 |
| | Evaluation Nursery | lines | |
| | | | |
| | Sub-project-2: Breeding for | | |
| | abiotic stress tolerant | | |
| | hybrid rice variety | | |
| 2.1 | Source Nursery | Identification of prospective | 20,000.00 |
| | | maintainers and restorers of | |
| | | salinity and submergence origin | |
| | | materials for making | |
| | | experimental rice hybrids. | |
| 2.2 | Test cross | 1. Confirmation of maintainers and | 20,000.00 |
| | Nursery | restorers from the crossed entries, | |
| | | 2. Selection of heterotic rice | |
| | | hybrids, | |
| | | 3. Conversion of prospective | |
| | | materials into new CMS lines. | |
| | Sub-project-3: Breeding for | | |
| | BB resistant hybrid rice | | |
| | variety | | |
| | Screening of existing | To identification of BB | 30,000.00 |
| | maintainers and restorers | resistance maintainers and/or | |
| | against BB resistance. | restorers from existing | |
| | | materials. | |
| | Source Nursery | Identification of prospective | 20,000.00 |
| | | maintainers and restorers of | |
| | | diversified origin for making | |
| | | experimental rice hybrids. | |
| L | 1 | The state of the s | |

| | T | | 27.000.00 |
|----|--|-------------------------------------|----------------|
| | Test cross | 1. Confirmation of | 25,000.00 |
| | Nursery | maintainers and restorers | |
| | | from the crossed entries. | |
| | | 2. Selection of heterotic rice | |
| | | hybrids. | |
| | | 3. Conversion of | |
| | | prospective maintainers into | |
| | | new CMS lines. | |
| | D - 1 N | | 2 00000 00 |
| | Backcross Nursery | Developing BB resistant CMS | 2,00000.00 |
| | | lines from identified maintainer by | |
| | | back crossing. | |
| | Project-B: Evaluation of | | |
| | parental materials & hybrids: | | |
| | Program leader- Ashish Kumar | | |
| | Paul | | |
| | Observational Trial (OT) of | Selection of promising hybrids | 30,000.00 |
| | experimental hybrids | | |
| | | | |
| | National Hybrid Rice Yield | Evaluation of imported hybrids | Funded by SCA |
| | Trial (NHRYT) | for subsequent selection | Tunaca of Berr |
| | 11161 (11111111) | 101 subsequent selection | |
| | Duniont C. Sand Dunduntian of | | |
| | Project-C: Seed Production of | | |
| | Program Leader: Md Hafizar | | |
| | Program Leader: Md. Hafizar Rahman | | |
| | | To produce pure and good quality | 1 00000 00 |
| | CMS multiplication of promising A line | To produce pure and good quality | 1,00000.00 |
| | promising A line | seed of CMS lines for subsequent | |
| | | use. | |
| | CMS multiplication of BRRI | Production of pure and good | 2,00000.00 |
| | hybrid dhan2 & BRRI hybrid | quality seed of CMS lines. | |
| | dhan4 | | |
| | F ₁ Hybrid seed production of | To produce sufficient quantity of | 4,00000.00 |
| | BRRI hybrid dhan1, BRRI | F1 hybrid seed | , |
| | hybrid dhan2, BRRI hybrid | | |
| | dhan3 & BRRI hybrid dhan4 | | |
| | F1 seed production of promising | To produce sufficient quantity of | 2,00000.00 |
| | hybrids | seed for OST and OFT | 2,00000.00 |
| | | | |
| | Domonstration of size behalf- | To identification and | 25,000,00 |
| | Demonstration of rice hybrids | | 25,000.00 |
| | and its parental materials | understanding about the rice | |
| | | hybrids and its parental lines | |
| | | | |
| | Entomology Division | | |
| | | | |
| | | | |
| | Project 1: | To determine the incidence | |
| | Survey & Monitoring of | and abundance patterns of | |
| 0 | Rice Arthropods. | insect pests and their natural | |
| 1. | The Thunopous. | enemies at BRRI farm and in | 13 |
| 1. | | different AEZs for timely | |
| | | 1 | |
| | | management of those. | |

| | | | 1 |
|---------|---|---|-----|
| | 1.1 Pest monitoring at BRRI Farm, Gazipur. | To study the insect pests and their natural enemies incidence patterns at BRRI farm and to create a database to develop a forecasting system | 1.5 |
| | 1.2 Insect pests and natural enemies in light traps. | É To study the pests and their natural enemies incidence patterns in rice fields and to create a database to develop a forecasting system. É To determine the impact climatic factors on pests and natural enemies. | 1.5 |
| | 1.3 Collaboration network for the management of migratory rice planthoppers and associated virus diseases of rice in Asia. | Establishment of a sustainable multinational collaboration network for the management of migrating rice planthoppers and associated viruses. | 7.0 |
| | 1.4 Arthropod diversity in different cropping patterns. | To determine the incidence and abundance patterns of insect pests and their natural enemies in different cropping systems. | 1.0 |
| | 1.5 Pests and natural enemies survey and monitoring in Gopalganj, Pirojpur and Bagerhat (Integrated Agricultural Project for Gopalganj, Pirojpur and Bagerhat). | To determine the incidence and abundance patterns of insect pests and their natural enemies in the project areas. | 2.0 |
| 0 2. | Project 2: Studies on rice insect pest and natural enemy ecology | To study the ecology and development of insect pests of rice. | 10 |
| | 2.1 Identification of BPH biotype and Resistant Sources in Rice Cultivars in Bangladesh. | To determine the biotype(s) of BPH in Bangladesh and their resistance sources in rice. | 2.0 |
| | 2.2 Climate change impacts, vulnerability and adaptation: Sustaining rice production in Bangladesh. | To asses the impacts of climate change on water resources and rice yields in the selected rice growing sub-division using crop, weather, pest and hydrological models & develop future scenario together with stakeholders. | 4.0 |

| I | 2.2 Chr. di | To 1 20 0 22 41 - 1 - 1 - 1 - 1 - 1 | |
|----|---------------------------------------|---|------|
| | 2.3 Studies on the biology | To know the biology of | 2.0 |
| | of green mirid bug. | green mirid bug. | 2.0 |
| | 0.4.01.1 | | |
| | 2.4 Biology of RLF. | To know the biology of | 2.0 |
| | | RLF | |
| 0 | Project 3: Biological | To evaluate the role of | |
| 3. | Control of rice insect | natural enemies in | |
| ٥. | Pests. | controlling rice insect pests. | |
| | 3.1 Diversity of natural | To determine the abundance | |
| | enemies of major rice | patterns of natural enemies | 2.0 |
| | insect pests | | |
| 0 | Project 4: Crop Loss | To determine the | |
| 0 | Assessment. | relationship between pest | |
| 4. | | damage levels and yield loss | |
| | 4. 1 Relationship between | To determine the yield loss | |
| | RH damage and yield | and recovering abilities of | 2.0 |
| | loss. | different rice varieties from | 2.0 |
| | | RH damage. | |
| | Project 5 : Evaluation of | To evaluate the effectiveness | |
| | chemicals and botanicals | of different botanicals and | |
| 0 | against rice insect pests. | determine efficacy of | |
| 5. | against free miseet pests. | different insecticides against | |
| | | major rice insect pests. | |
| | 5.1 Test of different | To evaluate the effectiveness | |
| | insecticides against major | of commercial formulations | |
| | C v | of different insecticides | 6.0 |
| | insect pests. | | 0.0 |
| | | against major insect pests of rice. | |
| | Project 6: Integrated Pest | | |
| 0 | Management. | Study on the different aspects of management of | |
| 6. | management. | | |
| | 6.1 Selection and | insect pests of rice | |
| | | To select a suitable package | |
| | Application of BPH | of management technologies | 41.5 |
| | Management Tackmala sign in Signiagni | for BPH control in Boro rice. | |
| | Technologies in Sirajganj. | To domest to the | |
| | 6.2 Validation of BRRI | To demonstrate importance | |
| | recommended practices | of ETL and validate BRRI | 4.0 |
| | (ETL based) for the | recommended practices for | 4.0 |
| | management of BPH and | successful management of | |
| | YSB. | BPH & YSB | |
| 0 | Project7: Host Plant | Identification of resistant | |
| 7. | Resistance. | sources against rice insect | |
| | 5.4.6 | pests. | |
| | 7.1 Screening of rice | To identify rice germplasm | |
| | germplasm against BPH, | resistant against | 2.0 |
| | WBPH and GLH | BPH,WBPH and GLH | |
| | 7.2 Screening of | To identify resistance | |
| | germplasm materials for | sources against GM | 2.0 |
| | resistant sources against | | 2.0 |
| | gall midge (GM)PI- | | |
| | <u> </u> | | |

| | MFHCI- ABMAU, MK. | | |
|---------|--|--|------|
| | 7.3 Screening of F2 population against BPH, WBPH and GLH. | To develop MVs using known resistant parents | 2.0 |
| | 7.4 Screening of F2 population against GM. | Isolation of resistant progeny against GM. | 2.0 |
| | 7.5 Evaluation of Advance lines for resistance against BPH, WBPH and GLH. | To determine resistance levels of advance lines against BPH, WBPH and GLH. | 1.0 |
| | 7.6 Pest reaction of BRRI released varieties to major insect pests. | To determine level of resistance levels of BRRI varieties against major insect pests. | 1.0 |
| 0 8. | Project 8: Vertebrate pest management. | | |
| | 8.1 Rice field rat management by using Trap Barrier System (TBS). | To evaluate different barrier systems for rice filed rat management. | 2.0 |
| | Farm Management Division | | |
| | 3.1.Project .: Rice productionmanagement | | |
| | • Expt.1. Sources of N and methods of weed control in respect to labor utilization for rice cultivation. | To determine the relative profitability of different sources of N and weed control method in relation to labor utilization for rice cultivation. | 0.25 |
| | • Expt.2. Productivity and profitability of rice as affected by spacing and seedling number in relation to labor utilization. | To find out the optimum spacing and seedling for getting higher yield and maximum profit. | 0.50 |
| | • Expt.3. Effect of quality seed and farmer's seed for seed production and; yield gap between quality seed used plot and farmers' seed used plots. | To identify the seed effect on probable yield gap between quality seed and farmers' seed. Seek the possibilities to increase rice yield through | 1.00 |

| (For BRRI dhan 28/ BRRI dhan47) TLS, Breeder, 4-5 local farmersø seed from Satkhira and Khulna (For BRRI dhan 29) TLS, Breeder, 4-5 local farmersø seed from | quality seed that could be useful at policy level. | |
|---|---|------|
| Barisal / Rangpur / Rajshahi, • Expt. 4. Effect of mixed fertilizer and weeding | To find out the effect of mixed fertilizer and weeding on yield and yield component of rice. | 0.30 |
| Expt.5. Agronomic management of rice sheath blight disease in natural condition for seed production. | To identify individual and interaction effect of different option of sheath blight disease management in seed production. | 0.70 |
| Expt.6. Effect of foliar spray of MOP and elemental S for spot free seed production | To evaluate the effectiveness of foliar spray of MOP & S on grain spotting. | 0.50 |
| Expt.7. Effect of planting time on the yield and yield attributes of T. Aman rice. 3.2. Project: Cost of | To select suitable variety and optimum planting time of T. aman rice. | 0.50 |
| Expt. 1. Cost and return of HYV rice cultivation at BRRI Gazipur farm. | To determine cost and return of HYV rice cultivation at the prevailing situation | 0.75 |
| 3.3. Project: Survey and development of data base for labor management. | | |
| Expt 1. Labor efficiency as affected by direct supervision for rice cultivation | _ | 0.25 |

| | • Expt.2. Monitoring the laborers' wage rate for rice cultivation around different locations of Bangladesh. | To document farmers' labor management practices for rice cultivation | 1.25 |
|----|--|--|------|
| | • Expt.3. Survey the performance of BRRI laborers | To find out the work performance of laborers. | 1.0 |
| | 3.4. Project: Management and utilization | Better utilization of farm land and other resources for smooth running of research activities of BRRI | 50 |
| | of land and other | | |
| | resources. | | |
| | These include: | | |
| | Rice seed production (TLS) Breeder seed production in collaboration with GRS division and plant breeding division. Others: Management of land, labor, farm implements, flower garden, irrigation and drainage etc Agronomy Division | | |
| | | | |
| 1. | Water management for quality rice seedling production in winter | To develop technologies for quality seeds and seedlings production | 0.10 |
| 2. | Performance evaluation of short duration rice varieties in Aman season | To find out the comparative performance of NERICA rice and BRRI varieties | 0.10 |
| 3. | Effect of time of planting on growth and yield of advanced lines both in Aman and Boro seasons | To determine suitable time of planting and selection of high yield potential genotypes | 0.50 |
| 4. | Optimizing number of seedlings/hill and spacing for transplanting to enhance the productivity of stress tolerant rice genotypes for submergence prone areas (IFAD project) | To determine optimum seedling density and spacing for rice genotypes of submergence prone areas (IFAD project) | 1.0 |

| 5. | Nursery management for enhanced survival of SUB1 introgressed genotypes of rice for submergence- prone areas (IFAD project) | To develop quality seedlings for enhanced survival of SUB1 introgressed genotypes of rice for submergence- prone areas | 1.0 |
|-----|--|---|------|
| 6. | Study on tillage/crop establishment and weed management options on rice in rice-maize-mungbean systems (Collaborative program with ACIAR-IRRI- CIMMYT) | To determine best crop establishment methods under different tillage system and to find out best weed management option | 0.56 |
| 7. | Escaping salinity by adjusting planting time in Boro season | To determine optimum planting time for higher productivity and to find out judicious use of sweet water by escaping salinity | 0.20 |
| 8. | Climate change impacts, vulnerability and adaptation: Sustaining rice production in Bangladesh (new) | To assess the impacts of climate change on water resources and rice yields in selected rice growing sub-divisions using crop, weather, pest and hydrological models and develop future scenarios together with stakeholders. droughts on rice production. | 2.00 |
| 9. | Performance of modern rice varieties in Aus and Aman season (on going) | To find out the suitable variety for growing rice in southern part of Bangladesh | 1.0 |
| 10. | Effect of planting density on the growth and yield of rice in Aman season (on going) | To find out optimum planting density | 0.10 |
| 11. | Effect of seedling age on the growth and yield of rice in Aman season (on going) | To determine the optimum age of seedling | 0.20 |
| 12 | Performance evaluation of Modern T. Aman and Boro varieties through applying BRRI management practices in Pirojpur, Gopalgonj and Bagerhat district. | To demonstrate and adaptation of new varieties in the farmers field. | 2.5 |
| 13 | Mother Trial under Participatory Variety Selection (PVS) in northern Bangladesh (CURE-BMGF Project) | To find out suitable sub1 variety | 2.0 |
| 14 | Preliminary Yield Trial of medium stagnant flood tolerant entries under controlled stagnant and rainfed | To find out variety from stagnant flood tolerant entries under controlled stagnant and rainfed condition | 2.8 |

| | condition (CURE-BMGF Project) | | |
|----|--|---|------|
| 15 | Effect of USG on direct wet- seeded rice both in Aman and Boro season (new) | To find out the optimum rate of USG in direct seeded rice. To increase N use efficiency | 0.15 |
| 16 | Nitrogen management options for rice transplanted by machine during <i>Aman</i> season (New) | To find out suitable nitrogen management options for rice transplanted by machine during <i>aman</i> season | 0.10 |
| 17 | Validation the nutrient management for increasing yield of rice in Aus, Aman and Boro season (on going) | To determine the optimum level of fertilizer for growing rice | 0.15 |
| 18 | Performance of UDP technology on the growth, yield and nutrient uptake of HYV rice as influenced by plant spacing during T Aman season (on going) | i. To find out the proper spacing and effectiveness of UDP technology for yield maximization of wetland rice. | 0.25 |
| 19 | Effect of urea deep placement time on the performance of HYV rice and nutrient status during T. Aman season (on going) | i. To find out the appropriate time of UDP and its effectiveness for rice yield maximization | 0.24 |
| 20 | Performance of NPK briquette deep placement on the growth, yield and nutrient status of HYV rice under tidal flooded condition during T. Aman season at different locations (on going) | i. To find out effectiveness of NPK briquette in wetland rice under tidal flooded condition. ii. To recommend NPK briquette for sustainable rice production in rice. | 0.25 |
| 21 | Field validation of LCC and USG application in Transplanted Aman and Boro rice (new) | To find out the performance of LCC and USG in farmers field | 0.25 |
| 22 | Potentiality of USG for increasing rice yield in tidal submergence-prone areas in aman season (old) | To increase rice production through USG in tidal submergence-prone areas. | 0.20 |
| 23 | Farmer's Participatory Site Specific Nutrient Management in Barisal Region for HYV Rice (old) | i. Recognize spatial variability in Soil-fertility in rice fields ii. To develop a field-specific nutrient management package for rice. | 0.28 |
| 24 | Validation of N management for yield maximization after de submerge of BRRI dhan51 and BRRI dhan52 | To identify and recommend appropriate nitrogen management for submergence tolerant varieties for yield | 0.40 |

| | submergence tolerance varieties at Rangpur in | maximization | |
|----|--|--|------|
| 25 | T.Aman season(new) Nitrogen requirement in | To observe the nitrogen | 0.40 |
| | modern Boro and T. Aman varieties (new) | response of newly developed T. Aman and Boro varieties from different N sources and method of application | 0.10 |
| 26 | Nitrogen use efficiencies of modern Boro varieties using prilled urea and USG applicator | To observe NUEs of boro varieties by prilled urea and USG applicator To observe N uptake, growth and yield of rice | 0.25 |
| 27 | Weed seed bank dynamics in different cropping pattern at BRRI farm (on going) | i. To determine the abundance of weed seed population in different cropping pattern.ii. To know the weed species grows in different season. | 0.10 |
| 28 | Potential allelopathic effect of some rice cultivars on <i>Echinochloa crusgali</i> (on going) | To asses the weed suppressing potential of rice cultivars with <i>Echinochloa crusgali</i> | 0.05 |
| 29 | Evaluation of candidate herbicides for weed suppression in rice (on going) | To find out the efficacy of herbicides for successful weed management. | 0.25 |
| 30 | Effect of different source of N fertilizer on weed infestation of HYV rice (on going) | i. To find out the effect of different source of N fertilizer on weed infestation ii.To find out the source of N fertilizer for less weed infestation | 0.15 |
| 31 | Validation of weed control option for yield maximization on BRRI dhan56 and BRRI dhan57 in draught condition at Rangpur region in T. Aman season (new) | To identify and recommend appropriate weed management option for draught condition | 0.30 |
| 32 | Validation of integrated weed control option for yield maximization in Boro season | To identify appropriate weed management option | 0.15 |
| 33 | Integrated weed control option in Direct seedling Vs Transplanted rice in Aus season | To determine effective weed control method and to find out the suitable method of crop establishment | 0.15 |
| 36 | Cost effective weed management practices in T. Aman and Boro rice in the farmers field of Pirojpur- Gopalgonj and Bagerhat | To demonstrate cost effective weed management techniques in the farmerøs field. | 0.20 |

| district | | |
|--|--|---------------|
| | | |
| Agril. Economics | | |
| Production Economics & Technology Adoption | | |
| Farm Level Evaluation of Modern Rice Cultivation in Bangladesh | To determine the region-wise adoption rate of different modern varieties in Boro, Aus and T. Aman seasons; To estimate the yield of different modern and local rice varieties; and To determine the socio-economic and varietal constraints to the adoption of MV rice in different regions. | 2.00 (GOB) |
| Estimation of Costs and Return of MV Rice Cultivation at Farm level | To determine the costs and return of MV Aus, T. Aman and MV Boro rice cultivation in Bangladesh; To estimate the factors and income shares of MV Aus, MV T. Aman and MV Boro rice cultivation; and To evaluate the changes in costs and return and input utilization pattern at farm level. | 1.50 (GOB) |
| Economic Verification of Rice Cultivation in Hilly Zone: Identifying the Problems and Exploring the Prospects | To determine the contribution of hilly rice to the national food security; To compare the productivity and profitability of rice cultivation in hilly and plain areas; To identify the major constraints of rice cultivation in hilly areas; and To derive policy implications. | 2.00 (GOB) |
| Impact Assessment of Yield Minimization Approach on Farm Productivity and Nominal Income in Project Areas of Bangladesh | Assess the contributions of the project technologies in minimizing yield gap and evaluate farmersø perception and awareness about the technologies provided; Dig out the economic gains from yield gap minimization and estimate its contribution to the GDP; Catch the actual pictures of input utilization differences between the participating and non participating farmers and unveil the factors responsible for yield gap. | 1.50 (GOB) |
| Analytical documentation of the achievements and Impact assessment of technological intervention under integrated productivity approach in project areas of Bangladesh | I. Document the farmers socioeconomic profile and assess their perception on the integrated productivity approach II. Analyze the productivity and economic gains through before and after project interventions III. Assess the impact on livelihoods of the participant and nonparticipant farmers of project areas | 1.0 (GOB) |
| Contribution of Women in Rice Cultivation in some selected areas of Bangladesh | To find out the contributions of rural women in rice production; To identify the constraints faced by the women in rice cultivation. | 1.0 (GOB) |
| Sub-Sub-Program: Rice Marketing and Price Issues | | |
| | | |

| T = | I | |
|--|--|---------------|
| Rice bran (rice by product) oil óa potential new source of edible oil in Bangladesh: Prospect and Potentials | To identify and sketch the present status of rice bran oil in Bangladesh; To explore the prospects and potentials of rice bran oil as a source | 1.0 (GOB) |
| An Empirical Analysis of Value Chain of Rice Marketing in Bangladesh | of edible oil. i) To critically analyze the value chain of rice examining different actors and their activities related to value addition ii) To identify the constraints and opportunities in rice value chain and to recommend measure for further improvement. iii) To design intervention for improving value chain performance of paddy and its by products, including technologies, institutional involvement, export-import and procurement policies | 2.5 (GOB) |
| Assessment of Consumersø Preference and Varietals Renaming or Branding of Rice in Bangladesh | To assess consumersøpreference and loyalty to certain brand and variety; To identify the process of branding and renaming of rice iii) To describe policy implication | 1.5 (GOB) |
| Sub-Sub-Program: Agricultural Policy and Development | | |
| Forecasting area and production of food grains in Bangladesh: Employing ARIMA Model | To develop appropriate ARIMA models for forecasting area and production of food grains in Bangladesh. To make twenty years forecasts with appropriate prediction interval. | 0.50 (GOB) |
| Farmersø Response to Price Hike of Agricultural Inputs (Diesel and Electricity): Scrutinizing Its Impact on Irrigation Cost and Rice Production | i. to identify the impact of fuel price on adopted area of rice in the boro season; ii. to assess the impact of fuel price on national supply of rice in Bangladesh | 1.50 (GOB) |
| Evaluating the Technical Efficiency of Rice growersø under Boro season in Bangladesh | Measure and compare the technical efficiency of rice growers under different production environments; To understand the factors affecting inefficiency of rice growers; and Draw policy implications. | 2.50 (GOB) |
| Impact Assessment of Climate Change on Rice Production and Marketing in Southern Coastal Region of Bangladesh | To assess the impacts of climate changes on agricultural production particularly rice in South-west region of Bangladesh; To ascertain the impacts of climate | JIRCAS |
| | changes on food markets at home and abroad; • To develop rice supply and demand model under changing climate of Bangladesh; and | |
| | To derive rice production and marketing policy implication based on the above findings. | |

| Diagnostic Analysis of Rice Price Instability and Its Influence on Rice | i) to estimate the short-run and long-run supply elasticity of rice in | 0.50 (GOB) |
|---|---|---------------|
| Area and Production: Application of Nerlovian Partial Adjustment Model | Bangladesh; ii) to identify the farmers' responsiveness on price instability of rice; iii) to measure the degree of co- | |
| | movement of production of rice and its price in the long-run; and iv) to suggest policy implications. | |
| | , 20 1 7 1 | |
| Development of Supply Demand Model of Agricultural Inputs in Bangladesh: A | I. to estimate the growth pattern of inputs supply and demand in | 0.50 (GOB) |
| Forecasted Database | Bangladesh; II. to develop appropriate SARIMA models for inputs supply and demand | |
| | in Bangladesh; III. to make a forecasted dataset for supply and demand of selected agricultural inputs. | |
| Agril. Statistics | | |
| Yield Assessment Through Crop-cuts | To estimate the rice yield through crop-cut at farmersø field. | |
| | To determine the stability of BRRI released and proposed | |
| Stability Analysis of BRRI Varieties | varieties • To generate season, year and | |
| | location-wise database on BRRI varieties. | |
| 2.1 Activity/Study: | To standardize/validate the model for stability analysis | |
| Study on G X E interaction of BRRI varieties | To determine the stability of BRRI released and proposed varieties | 2.50 |
| (In collaboration with pl. Breeding div. and R/S) | To maintain season, year and location-wise database on | |
| | BRRI varieties | |
| Development of Computer | To Develop computer programs for management | |
| Programs | and analysis of dataTo develop software for accounting systems of BRRI | |
| 3.1 Activity/Study: | To develop and time to time modification of software for | |
| Development/Modification of Software for accounting System for BRRI Employees | accounting systems of BRRI depending on the request from accounts section. | 2.50 |
| Multivariate Analysis of BRRI Varieties | To determine the factors affecting farmers' and consumersø preference to a rice variety | |

| 4.1 Activity/Study: Validation of producer and consumer preference model to rice varieties. | To determine factors affecting producersø decision on varieties for rice cultivation To determine factors affecting for consumerøs preference to rice varieties To validate mathematical models for producersø and consumerøs preference to different rice varieties | |
|---|--|--------------|
| Genetic Coefficient of BRRI Varieties | To determine genetic coefficient of BRRI varieties | |
| 5.1 Activity/Study: Study on genetic coefficient of BRRI released varieties | To determine the genetic coefficients of BRRI varieties. To determine the total degree days require for panicle initiation, flowering and maturity. | 0.50 |
| Spatial Database for BRRI varieties | To create a geo-reference database of BRRI varieties. To construct adoption and productivity maps of BRRI varieties in Bangladesh. | |
| 6.1 Activity/Study: Suitability mapping of BRRI newly released varieties (In collaboration with Pl. Breeding, RFS and ARD) | To create suitability map of BRRI newly released varieties | 0.25 |
| Geographic Information Systems (GIS) | | |
| 7.1 Activity/Study: Identification of submergence area for growing newly developed BRRI varieties. (In collaboration with Agril. Econ. Div., and RFS Div.) | To delineate submergence areas suitable for growing newly developed submergence tolerant BRRI varieties | Fund USDA |
| 7.2 Activity/Study: Distribution of Arsenic (soil and water) in the Arsenic prone areas of Bangladesh. (In collaboration with soil science Div. and Cornell university under FFP) | To improve knowledge of the geographical distribution of contamination of soil and irrigation water with arsenic, in order to target arsenic management strategies to the most contaminated areas. | 1.00 |

| T | Т | Г |
|--|---|------|
| | | |
| 7.3 Activity/Study: Determination of arsenic content in BRRI varieties at diversed/ different environment (In collaboration with soil science Div., GQN and Cornell university under FFP) | To get information about As in the BRRI varieties in both rice grain and straw. To compare As in different rice varieties across location. To determine the effects of milling and cooking on As removal from grain, including speciation. | |
| 7.4 Activity/Study: Relationship between rice yield and climatic factors in Bangladesh. | To assess the impact of climatic factor on rice yield (Aus, Aman, Boro). To identify the vulnerable rice growing areas in Bangladesh for changing climatic condition and adaptation process. | 0.25 |
| Probability Mapping of Weather Variables | To construct station wise probability curves of weather variables. To construct station wise return period for the estimates of weather variable. To construct surface maps for the estimates of weather variables. | |
| 8.1 Activity/Study Probability Mapping of Maximum Temperature and Rainfall at Different Growth Stages of T. Aman Rice | To determine the expected maximum temperature and rainfall in different locations of Bangladesh To determine the areas of critical maximum temperature and rainfall for T. Aman rice To estimate the return period of rainfall and high temperature above critical level at reproductive phase in T. Aman season. | 0.25 |
| 8.2 Activity/Study Effect of Climate Change on Rice Productivity and Quality (In collaboration with Plant Physiology and GQN Div.) | To determine the physiological changes of rice plant. To determine the nutritional quality of rice grain. | |

| 8.3 Activity/Study Application of ARIMA Model for Forecasting Rice Area Production and Yield in Bangladesh | To identify the best fitted ARIMA model To make 10 years forecast of Aus, Aman and Boro rice area, production and yield in Bangladesh using the best fitted ARIMA models To draw policy and recommendations | |
|--|--|------|
| 8.4 Activity/Study Prediction of Rice yield in Bangladesh Under Climatic Change Using Simulation Technique | To assessment of effects of climate change on rice yield under different climate scenarios To forecast rice yield in Bangladesh under different climatic change scenarios To draw policy and recommendations | |
| Information and Communication Technology (ICT) | To manage and maintain ICT at Bangladesh Rice Research Institute. | |
| 9.1 Activity/Study Management Information System (MIS) of BRRI | To manage and maintain BRRI MIS. To make data of 7 (Seven) module out of 9 (Nine) module helped by NATP phase. To develop state-of-the-art MIS facilities. | 0.50 |
| 9.2 Activity/Study BRRI Website Management | To complete the construction of blank pages and modifies the design of BRRI Website. To manage and maintain BRRI Website through regular updating the information and documents. To upgrade our Static website to dynamic website. | 0.50 |
| 9.3 Activity/Study Management of BRRI Network and Internet Connectivity | To manage and maintain ICT Network of BRRI To initiation of e- Governance | 0.50 |
| 9.4 Activity/Study Antivirus Security Protection of BRRI | To protect BRRI server security. To protect, update and clean server and personal computer of BRRI. | 1.00 |

| 1 | 1 | |
|---|--|------|
| | | |
| Maintenance of Agricultural Database | To maintain computerized database on rice and related crops. | |
| 10.1 Activity/Study: Maintenance of rice and rice related variable database | To maintain and up-to-date computerized information on rice and related crops and inputs To provide rice and related information to other research divisions and interested persons. To develop a software for database | 1.50 |
| Irrigation and Water Management | | |
| Sub -Sub Program I: Water Irrigated Agriculture | Use Efficiency Improvement in | |
| Water Requirement | i) To generate water efficient technologies for rice cultivation | |
| Development of Soil moisture declination model for alternate wetting and drying (AWD) irrigation for Rice cultivation (On-going) | i) To study the soil moisture dynamics of AWD irrigation ii) To develop a model for prediction of soil moisture dynamics iii) To predict the time of reirrigation using the model | |
| Assessment of cost effectiveness of low cost water distribution pipes for minor irrigation (On-going) | i) To study the cost effectiveness of plastic, polyethylene pipe and earthen canal considering fuel cost ii) To find out optimum engine speed for fuel efficient irrigation in different systems | |
| Assessment of water resources availability for irrigation to increase rice production in tidal areas of Barisal region (On-going) | i) To quantify the amount of available water resources for irrigating boro rice; ii) To determine possibility of using water for MV boro and MV aman cultivation; iii) To assess the constraints and prospects of tidal water utilization for crop | |

| | production. | |
|---|---|--|
| | production. | |
| | | |
| Validation of Aqua Crop Model and effect of USG in rice production under AWD water management (On- going) | i) To determine crop yield and water requirement under AWD method ii) To determine the effect of USG under AWD method iii) To validate yield and water requirement with Aqua Crop model and iv) To determine the probabilistic yield under AWD method for similar the climatic condition | |
| Climate change impacts on water for irrigating paddy rice in Bangladesh (On-going) | i) To assess the climate change impacts on water requirement at different stages of two popular rice varieties of BRRI dhan28 and 29 ii) To predict the water requirement at different stages of two boro varieties in the year 2030, 2050 and 2070 by using MAKESENS model, and iii) To assess the impacts on yield due to climate change | |
| Water saving potential and varietal performance of aerobic rice in Gazipur (New) | i) To find out the best water management in aerobic rice cultivation ii) To measure the water saved under water stress conditions iii) To determine the maximum crop water productivity, and iv) To characterize the yield and yield component attributes under different water management practices | |
| Delineation of areas having water shortage during Boro rice cultivation in Northwest Bangladesh (New) | i) To identify STW areas which face water scarcity during boro season ii) To estimate duration of water shortage, and iii) To assess the possibility of shifting Boro to Braus/Aus | |

| Improving low-cost check valve for STW and test it performance in field leve (On-going) | s valve for overcoming priming | |
|--|---|---|
| Study on the impact of shifting BORO to BRAU cultivation on the water resources utilization, productivity and food sec in Bangladesh (New) | i) To study the impact on the irrigation requirement and production ii) To find out suitable cropping | |
| Integrated impact of shift BORO to BRAUS and cultivar on yield, water requirement and water productivity (New) | · | |
| Impact of AWD irrigation method on popular Boro varieties of Bangladesh (New) | | |
| Sub-Sub Program II: Rainfed Environment | Utilization of Water Resources in | |
| Water Management for ricultivation in climate cha | | |
| Adaptive Research Divi | sion | |
| Project_1 Validation of Technolog | gies | |
| 1. Varietal development | | |
| t | | · |

| 1.1. Advanced Lines Adaptive | To evaluate the yield potential and | 12.0 |
|---|---|---------------|
| Research Trial (ALART)during Aus 2013, Aman2013 and Boro,2014 | adaptability of advanced breeding lines at farmersøfield in different agro- ecological zones of Bangladesh. | |
| PI: Dr. Md. Atiqul Islam, PSO CI: Other ARD Scientists | To get feedback information about the advantages and disadvantages of the advanced lines from farmers and DAE personnel. | |
| Project_2 Dissemination of Technologies | Conducting on-farm trials for dissemination of technology | Project Total |
| 2. 1 Seed Production and Dissemination Program (SPDP) | | |
| 2.1.1. SPDP with USG in Aman 2013 and Boro 2014 under core programme PI: Dr. Md. Atiqul Islam, PSO CI: Other ARD Scientists | To encourage the farmers for production, processing and storing of quality seed at on-farm level. To increase adoption of BRRI varieties. To get feedback information from the farmers and DAE personnel about BRRI varieties & USG. | 7.00 |
| 2.1.2. SPDP in Aus 2013, Aman 2013 & Boro 2014 under IAPP PI: Dr. Md. Atiqul Islam, PSO CI: Other ARD Scientists | To disseminate BRRI technologies in Barisal and Rangpur region | 20.00 |
| 2.1.3. SPDP in Aus 2013, Aman 2013 & Boro 2014 under Mujibnagar Integrated Agricultural Development Project (MIADP) PI: Dr. Md. Atiqul Islam, PSO CI: Other ARD Scientists | To disseminate BRRI technologies in north-west region of Bangladesh (Kushtia, Meherpur, Chuadanga and Jhinaidah). | 15.00 |
| 2.1.4 SPDP with USG under Asian Food and Agriculture cooperation Initiative (AFACI) program in Aman2013. PI: Dr. Md. Shafiqul Islam Mamin, CSO and Head, ARD CI: Rajesh barua,SO | To motivate farmers to produce quality seeds by themselves, store seeds properly and exchange seeds among the farmers for rapid dissemination of modern high yielding varieties. To popularize USG applicator machine among the farmers. | 1.00 |
| 2.1.5. Yield gap minimization in rice using ICRM practices at selected locations of Bangladesh (KGF) in Aman 2013 & Boro2014. CO: Dr. Md. Shafiqul Islam Mamin, CSO and Head, ARD PI:Rafiqul islam,SSO CI: Rajesh barua,SO | To minimize yield gap through increasing rice yield by 0.5-1.0 t/ha using ICRM practices. To enhance skill and knowledge of participating and associated farmers. | 15.00 |

| 2.1.6. Minimizing rice yield gap through BRRI technologies (MoA)in Aman 2013 & Boro2014 Deputy Project Coordinator: Dr. Md. Humayun Kabir, PSO, ARD. | To identify location specific rice cultivation problem. To minimize rice yield gap through BRRI technologies. | 40.00 |
|--|---|---------------|
| Project_3 Promotional activities | To update knowledge and skill of farmers and stalk holders on modern rice cultivation technology. | Project Total |
| 3.1 Training | | |
| 3.1. 1. Farmersø training in Aus2013, Aman2013 & Boro2014 PI: Dr. Md. Atiqul Islam, PSO CI: Other ARD Scientists | To train the farmers on modern rice production technologies. To improve the farmersøknowledge and skill on rice production technologies. To create farmersøawareness about recent technologies. | 20.00 |
| 3.1.2. Field day in Aus 2013, Aman2013 & Boro2014 | To get feedback information directly from the farmers. For rapid dissemination of rice production technologies among the farmers. | 5.00 |
| Project_4 Enrichment of own seed stock | | Project Total |
| 4.1.1. Production of quality seeds of BRRI released recent varieties | To produce quality seeds of BRRI released recent varieties for adaptive research trials during Aus, Aman and Boro seasons. | 1.00 |
| Workshop machinery & Mainte | enance Division | |
| Design and development of power transmission system of a power unit | To design a gearbox with mechanism of two forward and a backward speed To design a chassis of a power unit | 0.50 |
| Design, development, modification and introduction of self-propelled reaper and mini-power tiller to augment crop production | Development of user friendly self-propelled reaper and mini power tiller to boost-up the crop production | 103 |
| Modification of a self propelled field mower | To modify the chassis of the self propelled field mower To attach lawn mower with tractor/power tiller for increasing field capacity | 0.50 |

| Design and development of circular type cutting blade of rice-wheat reaper | • To develop a circular type cutting blade system for minimizing vibration | 0.50 |
|--|---|-------------------------------------|
| Modification of wheel of self- propelled reaper for wet-land condition | To design the suitable wheel for wet-land condition Test and evaluate the newly designed wheel at wet-land as well as dry-land condition | 0.50 |
| Study on cone penetration resistance of agricultural soil | • To determine the cone penetration resistance of agricultural soil | 0.20 |
| Database development for repair and maintenance of BRRIøs farm machineries and auto-mobiles of a power unit. | To create database about repair and maintenance information of farm machineries and automobiles | 1.00 |
| Feasibility study of solar energy use in Agricultural Machinery | To study the solar energy use in agricultural machinery To evaluate the aptness of solar energy use in agricultural machinery | 2.00 |
| Development of management system for farm machinery maintenance | To maintain maximum performance of the machinery, automobiles and equipments To utilize them efficiently at any time | 2.00 |
| Soil Science Division | | |
| Fertility Assessment of Rice Soils and Nutrient use efficiency in rice | To assess fertility of rice growing areas and determine optimum fertilizer requirement | |
| 1.1.Response of modern rice varieties to fertilizer N (Boro and T.Aman) | To determine the optimum doses of N for ALART materials | 1.2 |
| 1.2. Assessment of potassium depletion in soil over time. | To study the assessment of potassium depletion in soil over time. | 1.2 |
| 1.3. Updating fertilizer doses for 5 different unfavorable eco-systems of Bangladesh | To determine appropriate fertilizer packages. | NATP (upto December 31, 2013) |
| 1.4 Screening for P efficient genotypes in P deficient soil | To identify genotype that performs better in low available soil P | 2.0 |
| Sub-sub program II: Identification and Management of Nutritional Disorders in Rice | | |

| Identification and management of nutritional disorder | To determine upcoming nutritional disorders in rice under intensive rice cultivation with different fertilizer | |
|--|---|-------------------------------------|
| 2.1. Long-term effect of some macro and micronutrients on yield and nutrition of lowland rice | management practices Determine nutrient deficiency problems in soil through missing element techniques To see long-term yield trend of rice under different nutrient management practices | 4.0 |
| 2.2 Study on the consequences of continuous wetland rice cropping | To evaluate the effect of continuous and intensive wetland rice culture on changes in soil fertility and yield of rice | 1.2 |
| 2.3. Integrated nutrient management (INM) for double/triple rice cropping pattern for maximizing yield and sustaining soil fertility | To evaluate the INM practices for continuous and intensive wetland culture for sustainable soil health and productivity | 3.0 |
| 2.4. (a) Validation of BRRI Fertilizer Management Technology in Boro, T. Aus and T. Aman rice | (a)To demonstrate BRRI developed fertilizer management packages in farmers' field. | IAPP |
| 2.5. Physico-chemical properties of coastal saline soils (Collaboration with RFSD) | To monitor the soil salinity and moisture level in coastal saline soil under different cropping patterns. | APSIM |
| Sub-sub program III: Soil and Environmental Problems | | |
| Heavy metal contamination in soil plant system | To examine the heavy metals in fertilizer, manure, soil, water, crop | |
| 3.1.Effect of irrigation water management on As uptake by rice (NATP) | To see the effect of different water management methods on As uptake by rice | NATP (upto December 31, 2013) |
| 3.2. Effect of soil amendments on As uptake by rice (NATP) | To see the effect of different organic amendments on As uptake by rice | NATP (upto December 31, 2013) |
| 3.3. Response of rice varieties to As-contaminated water (NATP) | To see the effect of Ascontaminated irrigation water on rice grain As conc. | NATP (upto December 31, 2013) |

| | To examine the effect of silicon | NATP (upto |
|---|---|-------------------------------------|
| | on reducing As uptake by rice | December 31, 2013) |
| soils of Bangladesh | To quantify the present status of carbon in soils in thirty agroecological zones of Bangladesh, To determine the effects of different cropping systems and management practices on soil carbon stocks | NATP (upto December 31, 2013) |
| Training Division | | |
| 2 7 | To disseminate BRRI developed technologies | |
| Project leader: Dr. Md. Islam Uddin Mollah | | |
| | To train Extension personnel/ | 25.00 |
| Participants: DKKI Scientist/ | BRRI Scientists so that they can- | |
| I MODIO (DKKI SCIEDUSI) I | Recognize and apply the important concept, principles advanced techniques of modern | |
| | rice production. | |
| | Able to identify and solve field problems of rice cultivation. | |
| 8 | Capable to do research planning, program development and report writing on research activities. | |
| ~ | To train Extension personnel so that they can- | 15.00 |
| | Recognize and apply the important concept, principles | |
| I I JIII AII OII I WEEK | advanced techniques of modern rice production. | |
| Batch: 10 | Able to identify and solve | |
| | field problems of rice cultivation. | |
| ε | Train the field level extension agents and farmers | |
| | To train the extension agents so that they can- | 36.00 |
| Participants: SAAO of DAE | Recognize and apply the | |

| Duration: 1 week Batch: 30 | important concepts, principles and techniques of modern rice production. | |
|--|--|------|
| Participants: 750 | Identify and solve field problems of rice cultivation and help the farmers to increase productivity. | |
| 1.4. Training on utilization of BRKB | | |
| 1.5. Modern rice production technologies for farmers | To train the farmers so that they can- | 3.00 |
| Participants: Farmers No. of part: 600 Duration : 1 day Batch : 20 | Apply the important techniques of modern rice production Identify and solve field problems of rice production | |
| 1.6. Special training on specific issues related to rice production | To train on specific issues of rice production technologies | |
| Requested/demanded by different project of BRRI, IRRI, DAE and NGOs. | | |
| 2. Evaluation of imparted training program. | To determine the performance of training program. | |
| Project Leader: Dr. Md. Islam Uddin Mollah | | |
| 2.1. Performance of long and | The purpose of this study is to | - |
| short term training programs. | Evaluate the overall training program. | |
| Duration: Throughout the year | Assess the trainees' performance. | |
| | Assess the resource speaker performance. | |
| | Identify the training needs, | |
| | improve future training programs | |
| 3. BRKB and its improvement. Project Leader: Dr. Md. Islam Uddin Mollah | To disseminate rice production technologies through electronic media, do overall improvement of BRKB | 5.00 |

| 3.1. Development and Utilization of Bangladesh Rice Knowledge Bank training and its development | Add new training materials to BRKB compendium. Develop new fact sheets of different needs. | |
|---|---|--|
| Duration: Throughout the year | Prepare new materials for BRKB | |