



Rural Development Academy (RDA), Bogura

ANNUAL REPORT 2022-2023 | ANNUAL PLAN 2023-2024



ANNUAL REPORT AND PLAN Annual Report | Annual Plan 2022-2023 | 2023-2024

National and International Awards & Recognitions

- Independence Award-2004
- Bangabandhu National Agricultural Award (Gold)-1415
- Bangabandhu National Agricultural Award (Silver)-1417
- National Rural Development Award (Gold)-2012
- Digital Bangladesh Award-2022
- International Communication Award (IVCA), London-2004
- African-Asian Rural Development Award (AARDO), Delhi-2012
- Flame Asia, Delhi-2016

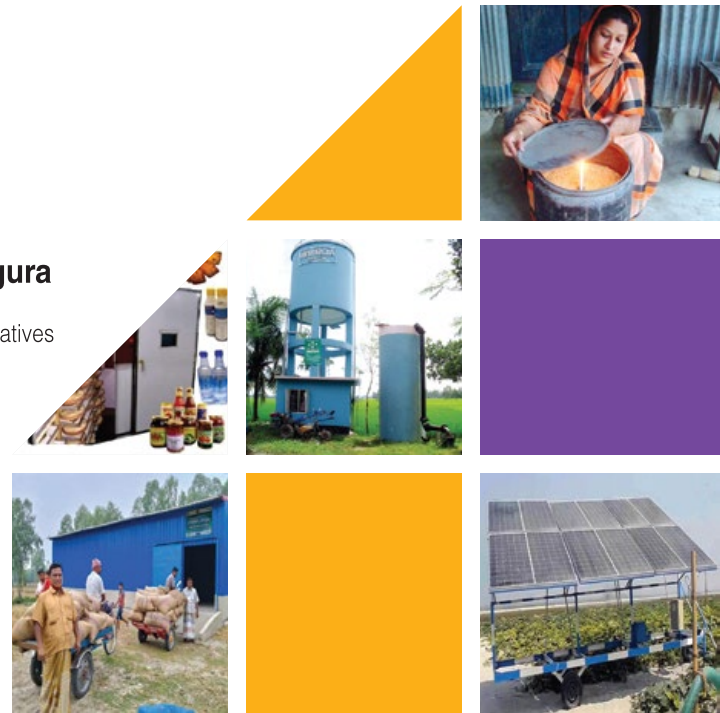


RDA, BOGURA



Rural Development Academy (RDA), Bogura
Rural Development and Co-operative Division
Ministry of Local Government, Rural Development & Co-operatives

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CHAPTER 1



ANNUAL TRAINING REPORT 2022-23

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1.1 Introduction

Training is one of the essential mandates of Rural Development Academy (RDA), Bogura. The Academy is dedicated to provide comprehensive training programmes to a diverse range of participants, including the government and non-governmental organization officials, public representatives, cooperatives, unemployed rural youths, and farmers. The primary objective of these training initiatives is to cultivate a proficient cadre of professionals, entrepreneurs, and skilled workforce in rural development sector. The ultimate aim is to uplift the livelihoods of rural communities. Since its inception in June 1974 until June 2023, the RDA has successfully trained an impressive total of 676,592 individuals across various trades and disciplines.

1.2 Training: Policy and Impact Area

The given diagram below presented depicts the process followed by RDA, Bogura, designing its training programmes. The Academy draws inputs from multiple sources, including the RDA strategic plan, the national five-year plan, Vision-2041, and other relevant policy papers. By incorporating insights from these documents, RDA ensures that its training initiatives are aligned with broader national development objectives.

Moreover, the potential impact of these training programs extends towards achieving various Sustainable Development Goals (SDGs), with a particular focus on goals 1, 2 3, 14, and 15. The academy recognizes its crucial role in contributing to sustainable development efforts, aiming to make positive contributions towards poverty eradication (SDG 1), hunger free (SDG 2), improved health and well-being (SDG 3), ocean conservation (SDG 14), and land ecosystem preservation (SDG 15), among others. Through it is well-designed training programs, RDA seeks to play an active part in advancing these vital sustainability goals and creating a positive impact on the communities it serves.

1.3 Training Category

RDA offers a diverse array of training courses and organizes workshops and seminars of varying natures. These training programmes and seminars/conferences fall into two main categories: a) national level training courses, and b) international training courses.

The National level training courses are further classified in two ways:

Based on the sponsoring agencies: i) self-sponsored; ii) outside-sponsored; iii) project-sponsored training courses based on the nature of the trainings, these national level training courses are further categorized into seven groups: i) skill development training; ii) management training; iii) foundation training course; iv) awareness building training/ exposure visit; v) Postgraduate Diploma in Rural Development (PGDRD); vi) internship; vii) seminar/workshop. This comprehensive classification allows RDA to offer a wide range of training opportunities that cater to various needs and objectives. Whether it is enhancing specific skills, honing management expertise, providing foundational knowledge, fostering awareness, facilitating higher education through PGDRD, offering practical work experience through internships, or promoting collaborative learning through seminars and workshops, RDA aims to meet the diverse requirements of its participants and contribute effectively to rural development.

1.4 Training Performance in 2022-2023

During the reporting period (2022-2023), RDA, Bogura, successfully organized a total of 385 training courses, which were attended by 29,118 participants, resulting in a cumulative total of 134,953 training person-days. The detailed breakdown of these figures can be found in Annexes 1 to 7. To achieve this, the academy conducted 44 batches of self-sponsored training, 129 batches of outside-sponsored training and 212 batches of project-sponsored training. The summarized data is presented in Table-1. This demonstrates RDA's commitment to providing a diverse range of training opportunities and fostering capacity building for a broad spectrum of participants. The Academy's efforts during this reporting period have contributed significantly to enhancing the skills and knowledge of individuals involved in various aspects of rural development.

Table-1: Training Performance of RDA during 2022-2023, based on Sponsorship

SL NO.	Category	No. of Batch	No. of Participants	Training Person Days
1.	Self-sponsored	44	3,543	16,424
2.	Outside-sponsored	129	9,675	44,791
3.	Project-sponsored	212	15,900	73,682
4.	International Training	0	0	0
	Total	385	29,118	134,897

Table-2 shows details about the national level training courses based on the nature of training as well as international training courses, where 29,118 participants received training in 385 batches during the fiscal year 2022-2023.

Table-2: Training Performance of RDA during 2022-2023, based on Nature of Training

SL NO.	Category	No. of Batch	No. of Participants	Training Person Days
1.	Skill Development Training	115	5,276	33342
2.	Management Training	140	6,603	26566
3.	Foundation Training	15	736	29230
4.	Exposure Visit	73	13,173	33703
5.	Post Graduate Diploma in Rural Development	1	17	6205
6.	Internship	9	91	731
7.	Seminar/Workshop	32	3,222	5120
8.	International Training	0	0	0
	Total	385	29,118	134,897

(For details, annex 1-7)

1.5 APA Training Targets and Achievements in 2022-2023

The Annual Performance Agreement (APA) outlines five categories of trainings, which include: i) income generating activities (IGAs) for male; ii) income generating activities for female; iii)

awareness building/ motivational training; iv) seminars/workshops; and v) training for public representatives, government and non-governmental organization (NGO) officials. Each year, specific targets are set for these training categories, and dedicated efforts are made to implement the training programs to achieve those targets. The figure below illustrates the APA training targets and their corresponding achievements, measured by the number of participants in each category.

The achievements for each category are as follows:

IGAs for male: 100% achieved, IGAs for female: 112.13% achieved, motivational training: 254.46% achieved, seminars/workshops: 128% achieved, training for public representatives, government and NGO officials: 417.36% achieved. These percentages represent the extent to which the set targets were accomplished in each respective training category. The high achievements in motivational training and training for public representatives, government and NGO officials indicate the successful implementation and positive impact of these programs. Efforts will continue to improve and strive to meet or exceed the targets in all training categories to enhance the effectiveness of rural development initiatives.

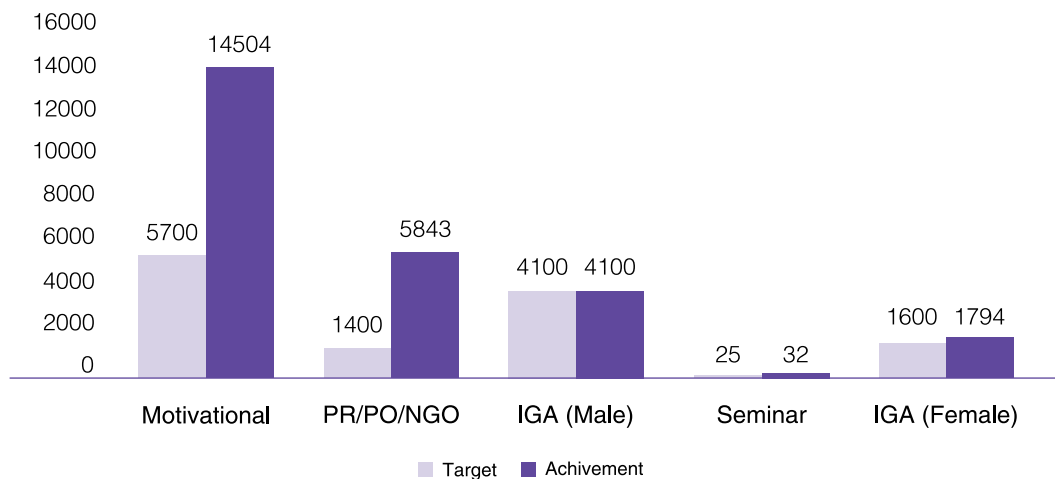


Figure-1 APA Training Target and Achievement 2022-2023

1.6 Training Scenario between 2018-2019 to 2022-2023 financial year

The training scenario from the financial year 2018-2019 to 2022-2023 is presented in the figure below. In 2018-2019, a total of 22,025 individuals received training. However, in the subsequent financial years (2019-2020 and 2020-2021), the number of participants decreased slightly, primarily due to the adverse impact of the COVID-19 pandemic on training activities. Nonetheless, starting from the financial year 2021-2022, there has been a noticeable increase in the number of participants once again. This positive trend indicates a recovery from the challenges posed by the pandemic and reflects the renewed interest and engagement in training programs. Over the years, the Rural Development Academy (RDA), Bogura has continued to adapt and evolve its training initiatives to accommodate changing circumstances, ensuring that individuals have access to essential knowledge and skills for rural development.

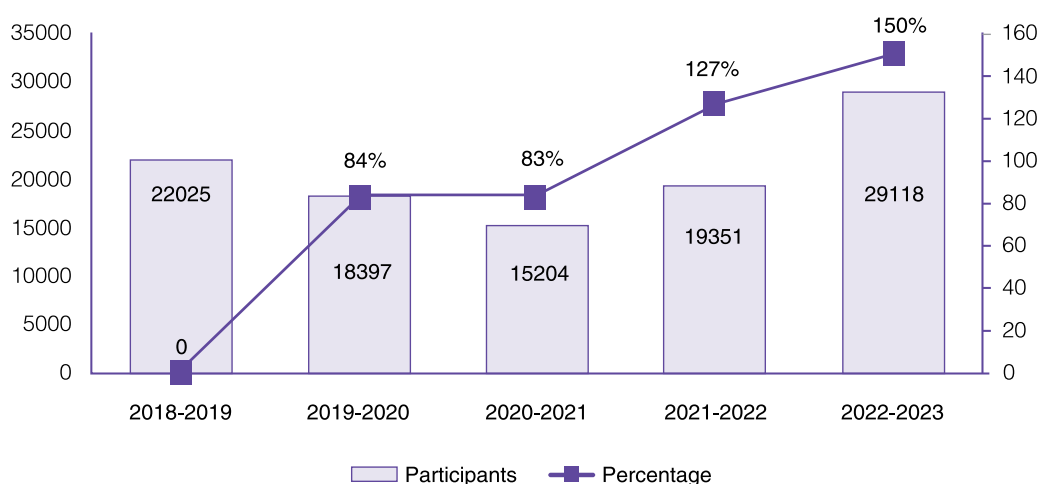


Figure-2: Training Scenario between 2018-2019 to 2022-2023 financial year

1.7 Training Facility

RDA has sophisticated training facilities and an eco-friendly environment with an accommodation facility of 646 participants at a time. RDA offers the following amenities

Table-3 Training Facility

Sl. No.	Facility	Number
1.	Conference rooms	14
2.	ICT Centres	2
3.	Auditorium	1
4.	Computer laboratory	1
5.	Indoor sports complex	1
6.	Play ground	2
7.	Swimming pool	1
8.	Children park	1
9.	Demonstration farm	1
10.	Library	1

Annex-1: Skill Development Training in 2022-23

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
1.	Refreshers training on agro-processing and marketing	1	15	10	25	5	125
2.	Refreshers training on agro-processing and marketing	1	11	14	25	5	125

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
3.	Vaccination and deworming of cattle and poultry (6 th batch)	1	25	0	25	3	75
4.	Vaccination and deworming of cattle and poultry (7 th batch)	1	25	2	27	3	81
5.	Business development plan workshop	1	11	1	12	2	24
6.	Survey management: Design and operations & questionnaire design training	1	7	33	40	15	600
7.	Livestock and poultry service provider residential training course (NGF) (1 st batch)	1	20	0	20	15	300
8.	Livestock and poultry service provider residential training course(NGF) (2 nd batch)	1	20	0	20	15	300
9.	Artificial insemination technician training course	1	20	0	20	14	280
10.	Training on identifying learning deficits of primary level students in Bangladesh during the Covid period	1	26	4	30	1	30
11.	Residential training course on livestock and poultry service provider (LPSP development) (3rd Batch)	1	20	0	20	15	300
12.	Training course on artificial insemination technicians	1	22	0	22	14	308
13.	Skill development training on use and management of incubators for hatching chicks	1	10	1	11	4	44
14.	Officers skill development training course (NGF)	1	27	3	30	10	300
15.	Training courses on sewing and handicrafts	1	0	25	25	14	350
16.	Officers skill development training course (SHARP)	1	28	2	30	10	300
17.	Artificial insemination (AI) training	1	30	0	30	30	900
18.	Training on animal husbandry, agro-fisheries and social awareness	21	880	590	1470	2	2940
19.	Training on artificial insemination of cattle	1	15	0	15	60	900
20.	Training in food processing and preservation	1	20	10	30	21	630
21.	Training in sewing and handicrafts	1	0	25	25	14	350
22.	Residential training on livestock and poultry service provider (LPSP development) (Nawabnki Ganamukhi Foundation) (NGF)	1	20	0	20	14	280

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
23.	Training on processing and preservation of agricultural produce	1	24	6	30	21	630
24.	Training on silage and organic manure production and management	1	39	0	39	5	195
25.	Computer skill development training	1	29	11	40	25	1000
26.	Training on livestock and poultry service provider (LPSP development)	1	20	0	20	15	300
27.	Training on skill development through trichoderma production	1	2	0	2	7	14
28.	Training on modern fisheries technology	1	40	0	40	5	200
29.	Gents & women Parlour training (Batch-1)	1	0	25	25	30	750
30.	Training for cultivation of crops under traderout grower scheme	5	41	84	125	1	125
31.	Training on Computer and outsourcing	1	18	7	25	25	625
32.	Training on agricultural processing and conservation	1	20	10	30	21	630
33.	Mobile and internet servicing training (Batch-1)	1	25	0	25	30	750
34.	Training on mobile and internet servicing	1	25	0	25	30	750
35.	Plumbing and electrical training	1	30	0	30	21	630
36.	Gents and women Parlour	1	0	25	25	30	750
37.	Training on waste management and innovation	1	9	5	14	5	70
38.	Training of rural people on gender, health, child marriage and social security	1	222	178	400	1	400
39.	Zonal managers of Rajshahi Agricultural Development Bank	1	230	20	250	1	250
40.	Modern fish culture training	1	39	1	40	5	200
41.	Scout unit leader basic course	1	0	35	35	5	175
42.	Training on 'production, processing and storage of organic fertilizers'	1	22	8	30	5	150
43.	Artificial insemination technician training (3 rd Batch)	1	25	0	25	14	350
44.	Computer skill development training	1	20	10	30	21	630
45.	Training on literacy and socio-economic development for beneficiaries under practical research on poverty-free model villages	1	30	30	60	15	900
46.	Livestock and poultry training	1	35	5	40	5	200

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
47.	Training in livestock farming, fisheries, and social awareness	9	273	357	630	2	1,260
48.	Training on silage and compost production	2	80	0	80	5	400
49.	Tailoring and handicrafts training course (Kalshimati)	1	0	60	60	45	2,700
50.	Artificial insemination technician training (4th Batch)	1	24	0	24	14	336
51.	Fisheries Program Management Training (1st Batch)	1	30	0	30	3	90
52.	Fisheries Program Management Training (2nd Batch)	1	29	1	30	3	90
53.	Fisheries Program Management Training (3rd Batch)	1	26	0	26	3	78
54.	Entrepreneurial Training on Nursery Management	1	30	0	30	5	150
55.	Fisheries Program Management Training (5th Batch)	1	26	4	30	3	90
56.	Training on Quantitative Method for Impact Evaluation Research	1	22	3	25	4	100
57.	Fisheries Program Management Training Course (6th Batch)	1	26	3	29	3	87
58.	Fisheries Program Management Training (7th Batch)	1	29	1	30	3	90
59.	Electrical and plumbing training under self help group	1	25	0	25	45	1,125
60.	Free-lancing training under Self Help Group	1	23	9	32	45	1,440
61.	Sewing and Handicraft Training under Self Help Group	1	0	36	36	28	1,008
62.	Fridge and AC mechanics training under Self Help Group	1	15	0	15	28	420
63.	Driving training under Self Help Group	1	59	1	60	28	1,680
64.	Mobile Mechanics Training under Self Help Group	1	15	0	15	28	420
65.	Refresher Training Course (Batch-1) for Employees of Manpower Employment and Training Bureau	1	19	6	25	3	75
66.	Capacity Building Training Course (2nd Batch)	1	49	0	49	2	98
67.	Fisheries Program Management Training Course (4th Batch)	1	25	3	28	3	84
68.	Off-the-job short course training	1	23	6	29	3	87

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
69.	Training on Digital Innovation and Technology Gender Equality	1	55	35	90	1	90
70.	Refresher Training Course for Employees of Manpower Employment and Training Bureau (Batch-II)	1	20	10	30	3	90
71.	Training on Problem Solution Design for Data Leadership	1	10	5	15	3	45
72.	Annual Review workshop on HIV/AIDS with Peer Educators and others under National AIDS/STD Control, Department of Health	1	52	19	71	2	142
73.	Training on implementation of Action Plan under e-Governance and Innovation Action Plan 2022-23	1	33	7	40	2	80
74.	Training on awareness of action plan adoption, implementation and TCV analysis	1	25	5	30	2	60
75.	Training on implementation of forage technology	1	30	0	30	5	150
76.	Entrepreneurial Training on Supermarket Linkage Development	1	17	13	30	3	90
77.	Rural Livelihood Scheme- 3rd Stage Career Training for Project and Office Management of Accountants/Data Entry Operators/Field Organizers (1st Batch)	1	34	10	44	3	132
78.	Rural Livelihood Scheme- 3rd Phase of Field Organizers Working on Project and Office Management Resuscitation Training (2nd Batch)	1	31	19	50	3	150
79.	Training on implementation of Action Plan under e-Governance and Innovation Action Plan 2022-23	1	32	8	40	2	80
80.	Training Course on Grievance Redressal Management (GRS) and GRS Online Usage [Batch No-02]	1	46	9	55	1	55
81.	Skill development training for supervisors	1	17	1	18	2	36
82.	Training of staff on data collection	1	17	1	18	1	18
	Total	115	3,464	1,812	5,276	968	33,342

Annex-2: Management Training Courses in 2022-2023

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
1.	Refreshers training of Information Service Officers and Information Service Assistants (1st)	1	0	49	49	3	147
2.	Refreshers training of Information Service Officers and Information Service Assistants (2nd)	1	0	50	50	3	150
3.	Refreshers training of Information Service Officers and Information Service Assistants (3rd)	1	0	48	48	3	144
4.	Refreshers training of Information Service Officers and Information Service Assistants (4th)	1	0	49	49	3	147
5.	Refreshers training of Information Service Officers and Information Service Assistants (5th)	1	0	50	50	3	150
6.	Refreshers training of Information Service Officers and Information Service Assistants (6th)	1	0	49	49	3	147
7.	Refreshers training of Information Service Officers and Information Service Assistants (7th)	1	0	50	50	3	150
8.	Refreshers training of Information Service Officers and Information Service Assistants (8th)	1	0	50	50	3	150
9.	Refreshers training of Information Service Officers and Information Service Assistants (9th)	1	0	49	49	3	147
10.	Refreshers training of Information Service Officers and Information Service Assistants (10th)	1	0	50	50	3	150
11.	Exploring Opportunities for Rural Tourism	1	36	6	42	1	42
12.	Meeting of sales and marketing department	1	27	1	28	1	28
13.	Semi-annual sales briefing conference	1	141	0	141	1	141
14.	National Sales Conference, 2022	1	48	0	48	1	48
15.	Training on skill development of contract traders in Char area	1	13	0	13	1	13
16.	Training on implementation of Citizen Charter	1	50	10	60	1	60
17.	Training on national integrated strategies and job rules	1	54	11	65	1	65
18.	Entrepreneurship training in fodder crop production	1	16	14	30	1	30
19.	Field day	1	150	150	300	1	300

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
20.	Refresher Course for LVC Members' training	4	163	2	165	1	165
21.	Training Course on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management) (Batch-1)	1	23	6	29	4	116
22.	Training Course on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management) (Batch-02)	1	20	10	30	4	120
23.	Group training of crops cultivation in chars land	1	12	18	30	1	30
24.	Group training of crops Beef fettering in chars land	1	8	17	25	1	25
25.	Training on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management)	1	21	9	30	4	120
26.	Training in silage and compost production and management	1	40	0	40	5	200
27.	Training on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management)	1	22	8	30	4	120
28.	Leadership development and sustainable IGA of WMO's member training program	1	29	0	29	2	58
29.	Advanced Adaptive Delta Management cum Meta Model Training'	1	17	3	20	4	80
30.	Training on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management)	1	20	10	30	4	120
31.	Entrepreneurship training in fodder crop production	1	13	17	30	5	150
32.	Monthly marketing meetings	1	38	0	38	1	38
33.	Scaling up Flood Forecast-based Action and Learning in Bangladesh- (SUFAL)	1	25	16	41	3	123
34.	Training in seed production, quality control and marketing	1	0	61	61	2	122
35.	Training on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management)	1	20	7	27	4	108

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
36.	Officers Skill Development Training Course (GJUS)	1	29	1	30	10	300
37.	Training on Sustainable Agricultural Production (Improved Farming Technology, ICM/IPM and land, soil and on-farm water management)	1	20	8	28	4	112
38.	Data Collection Program-2022/apps-based Collection Workshop-2022	1	14	64	78	2	156
39.	Training on National Integrity Strategy	1	60	5	65	1	65
40.	Training Workshop for Education Supervisors	1	93	0	93	1	93
41.	Field visit for basic training	1	32	3	35	3	105
42.	Training of trainers organized for Bangladesh Bank officials	1	14	0	14	3	42
43.	Rajshahi and Bogra division RM coordination meeting	1	85	1	86	1	86
44.	Art of Efficient Pharmaceutical Sales Training Program	1	26	0	26	2	52
45.	Plain Land Cluster	1	175	75	250	3	750
46.	Capacity building of Mid-Level Officials of PMFIs regarding implementation of and TSS Program	1	170	2	172	3	516
47.	Sales and Marketing Training	1	36	0	36	1	36
48.	Training on national Integrity strategies and job regulations	1	56	9	65	1	65
49.	Refreshers Course for Project Personnel	1	36	4	40	2	80
50.	Training on Grievance Redressal Management (GRS) and GRS Online Usage	1	40	10	50	1	50
51.	Staff Orientation on YPO 2023	1	66	4	70	4	280
52.	Training courses on credit and savings management	1	53	18	71	2	142
53.	SME Quarterly Review Meeting	1	20	0	20	1	20
54.	Duties and responsibilities of Field staff (Extension overseer, Coordinator) according to Participatory Water Management Regulation-2014	1	27	0	27	3	81
55.	Staff workshop by humanitarian aid agencies	1	98	13	111	1	111
56.	Training on Capacity building of Mid Level Officials of PMFIs regarding implementation of TO and TSS or Rangpur Division	1	107	2	109	2	218
57.	Capacity building training courses	1	35	16	51	2	102

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
58.	Community Health Care Provider (CHCP) Refreshers Training (1-80 Batch), Rural Development Academy, Bogura	80	1575	1625	3200	6 Days Per Batch (Total 480 days)	19200
Total		140	3,873	2,730	6,603	621	26,566

Annex-3: Foundation Training in 2022-23

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person Days
			Male	Female	Total		
1.	69 th Special Foundation Training Course for BCS Health Cadre Officers	1	28	12	40	60	2,400
2.	70 th Special Foundation Training Course for BCS Health Cadre Officers	1	24	16	40	60	2,400
3.	Special Foundation Training of Officers of 71 st BCS (Health) Cadre Officers	1	29	11	40	60	2,400
4.	Special Foundation Training of Officers of 72 nd BCS (Health) Cadre Officers	1	24	16	40	60	2,400
5.	185 th Foundation Training of BCS (General Education) Cadre Officers	1	31	19	50	120	6,000
6.	Attachment Program of 181 st BCS Foundation Training Course on 'Rural Development and Poverty Reduction'	1	56	23	79	5	395
7.	Attachment Program of 181 st BCS Foundation Training Course on 'Rural Development and Poverty Reduction'	1	57	24	81	5	405
8.	Attachment program of 74 th BCS Foundation Training Course	1	27	18	45	5	225
9.	Special Foundation Training of 73 rd BCS (Health) Cadre Officers	1	25	15	40	60	2,400
10.	Special Foundation Training of 74 th BCS (Health) Cadre Officers	1	23	17	40	60	2,400
11.	Special Foundation Training of 75 th BCS (Health) Cadre Officers	1	19	21	40	60	2,400
12.	Special Foundation Training of 76 th BCS (Health) Cadre Officers	1	27	13	40	60	2,400
13.	Special Foundation Training of 77 th BCS (Health) Cadre Officers	1	24	16	40	60	2,400
14.	Attachment Program of 192 nd BCS Foundation Training Course on 'Rural Development and Poverty Reduction'	1	48	12	60	5	300
15.	Attachment Program of 192 nd BCS Foundation Training Course on 'Rural Development and Poverty Reduction'	1	38	23	61	5	305
Total		15	480	256	736	685	29,230

Annex-4: Post Graduate Diploma in Rural Development in 2022-23

Sl. No.	Title of the Course	No. of Batch	No. of Participants			Duration (day)	Training Person days	Type of Participants
			Male	Female	Total			
1.	Postgraduate Diploma in Rural Development (PGDRD) course (6 th batch)	1	10	7	17	365	6,205	Graduated students

Annex-5: Internship in 2022-23

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person Days	Type of Participants
			Male	Female	Total			
1.	Internship on Agro-processing, Preservation and Marketing	1	8	2	10	15	150	Students of Food Engineering and Nutrition, Department of Veterinary Medicine from different universities.
2.	Internships for DVM students	1	10	0	10	5	50	
3.	Internships for DVM students	1	5	6	11	5	55	
4.	Internships for DVM students	1	10	0	10	7	70	
5.	Internships for DVM students	1	10	0	10	7	70	
6.	Internships for DVM students	1	6	5	11	7	77	
7.	Internships for DVM students	1	10	0	10	7	70	
8.	Internships for DVM students	1	5	6	11	7	77	
9.	Internships for FTNS (Agro-processing Preservation and Marketing)	1	4	4	8	14	112	
Total		9	68	23	91	74	731	

Annex-6: Exposure Visit in 2022-23

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
1.	Incentive Meeting on RDA Credit	1	22	6	28	1	28
2.	Visit of 'Green Rural Development Model' developed by RDA	1	15	11	26	1	26

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
3.	Exposure visits for the participating farmers to agro-processing plants and marketing facilities in the country	1	15	10	25	2	50
4.	Exposure visits for the participating farmers to agro-processing plants and marketing facilities in the country	1	11	14	25	2	50
5.	Focus Group Discussion on Agricultural Extension Program	1	16	5	21	1	21
6.	World Heritage Volunteers (WHV) 2022 Campaign	1	9	5	14	2	28
7.	Visit of 'Green Rural Development Model' developed by RDA	1	14	6	20	1	20
8.	Visit of 'Green Rural Development Model' developed by RDA	1	7	3	10	1	10
9.	Visit of 'Green Rural Development Model' developed by RDA	1	12	3	15	2	30
10.	Motivational Tour for Assistant Agricultural Officers'	1	59	10	69	3	207
11.	Motivational Tour for Assistant Agricultural Officers'	1	56	7	63	3	189
12.	Visit of 'Green Rural Development Model' developed by RDA	1	15	71	86	1	86
13.	Live in Field Experience (LFE) program	1	56	50	106	12	1,272
14.	Visit of 'Green Rural Development Model' developed by RDA	1	32	44	76	1	76
15.	Training workshop	1	7	14	21	1	21
16.	Motivational meeting	1	37	0	37	1	37
17.	Regional meeting of UPAY	1	12	0	12	1	12
18.	Extension Field Education Tour'	1	42	56	98	6	588
19.	Visit of 'Sabuj Palli Development Model' developed by RDA	1	23	15	38	1	38
20.	Farmers Field School Training	18	756	504	1,260	1	1,260
21.	Visit of 'Green Rural Development Model' developed by RDA	1	33	7	40	1	40

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
22.	Visit of green rural development model developed by RDA	1	27	5	32	1	32
23.	Visit of green rural development model developed by RDA	1	57	20	77	1	77
24.	Field study	1	28	32	60	2	120
25.	Inspirational travel	1	28	2	30	3	90
26.	Visit of SABUJ Pally development model developed by RDA	1	46	36	82	2	164
27.	Visit of SABUJ Pally development model developed by RDA	1	40	37	77	1	77
28.	Visit of SABUJ Pally development model developed by RDA	1	105	71	176	1	176
29.	Visit of SABUJ Pally development model developed by RDA	1	21	9	30	1	30
30.	Visit of SABUJ Pally development model developed by RDA	1	26	10	36	1	36
31.	Visit of SABUJ Pally development model developed by RDA	1	56	41	97	1	97
32.	WHO's Staff Retreat Program	1	112	23	135	3	405
33.	Visit of SABUJ Pally development model developed by RDA	1	108	22	130	1	130
34.	LFE (Winter-2023) Programme	1	54	43	97	12	1,164
35.	Visit of SABUJ Pally development model developed by RDA	1	6	5	11	2	22
36.	Visit of SABUJ Pally development model developed by RDA	1	22	14	36	1	36
37.	Visit of SABUJ Pally development model developed by RDA	1	17	20	37	1	37
38.	Agrotech Exhibition, BD 2023	1	5,000	3,000	8,000	3	24,000
39.	Upazila Agriculture Officer, Dhunat, Bogra motivational tour under NATP-II project	1	15	10	25	1	25

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
40.	Visit of Subja Pally development model developed by RDA	1	45	1	46	1	46
41.	Visit of SABUJ Pally development model developed by RDA	1	41	4	45	1	45
42.	Visit of SABUJ Pally development model developed by RDA	1	44	70	114	1	114
43.	Visit of SABUJ Pally development model developed by RDA	1	49	45	94	1	94
44.	Visit of SABUJ Pally development model developed by RDA	1	32	40	72	1	72
45.	E-Governance and Innovation workshop	1	46	4	50	1	50
46.	Visit of SABUJ Pally development model developed by RDA	1	6	0	6	1	6
47.	Visit of RDA green technology by SSC 1984 batch	1	700	125	825	2	1,650
48.	Visit of SABUJ Pally development model developed by RDA	1	36	7	43	1	43
49.	Visit of SABUJ Pally development model developed by RDA	1	95	26	121	1	121
50.	Visit of SABUJ Pally development model developed by RDA	1	50	30	80	1	80
51.	Visit of SABUJ Pally development model developed by RDA	1	158	0	158	1	158
52.	Visit of SABUJ Pally development model developed by RDA	1	10	26	36	5	180
53.	Visit of SABUJ Pally development model developed by RDA	1	54	55	109	1	109
54.	Visit of SABUJ Pally development model developed by RDA	1	7	5	12	2	24
55.	Visit of SABUJ Pally development model developed by RDA	1	44	15	59	1	59

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
56.	RDA visit of Master's students of Statistics Department of Islami University	1	29	16	45	1	45
Total		73	8,463	4,710	13,173	106	33,703

Annex-7: Seminar/ Workshop in 2022-23

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
1.	Seminar on Poverty Free Model Village	1	27	7	34	1	34
2.	Project Closing Workshop	1	38	12	50	1	50
3.	Workshop	1	58	19	77	2	154
4.	Seminar on Multidimensional Poverty Index	1	198	77	275	1	275
5.	Seminar on Understanding Machine Learning Method	1	15	6	21	1	21
6.	Seminar on Agriculture 4.0 for Sustainable Farming Practices and Technology Transfer	1	40	6	46	1	46
7.	Workshop on Poverty Free Model Village	1	50	10	60	1	60
8.	Workshop on improving the quality of life of small farmers in the SAARC region through agricultural products and value chain development	1	45	15	60	1	60
9.	Marketing program	1	29	2	31	1	31
10.	Annual Planning Conference	1	135	15	150	2	300
11.	Monthly Planning Meeting (MPM)	1	28	5	33	1	33
12.	Closing meeting and field staff training workshop	1	51	0	51	2	102
13.	Workshop titled 'Management Conference-2022'	1	37	1	38	1	38
14.	Dissemination Seminar on the findings of Research Studies	1	105	3	108	2	216
15.	Annual Distributor Conference-2022	1	14	336	350	1	350
16.	SE Unit Annual Planning Workshop	1	26	37	63	2	126
17.	Workshop on Annual Progress Review (1st Batch)	1	12	35	47	2	94

Sl. No.	Title of the Course	Number	No. of Participants			Duration (day)	Training Person days
			Male	Female	Total		
18.	Workshop on Annual Progress Review (2nd Batch)	1	50	6	56	2	112
19.	Workshop on Annual Progress Review (3rd Batch)	1	44	7	51	2	102
20.	Workshop on Annual Progress Review (4th Batch)	1	55	5	60	2	120
21.	2023 Annual Conference	1	15	16	31	2	62
22.	11 th International Agricultural Technology Fair-2023 (Advancing Agricultural Mechanization in Bangladesh: Challenges and Opportunities)	1	81	5	86	3	258
23.	National Youth Conference-2023	1	280	81	361	3	1,083
24.	Seminar on 'DigitALL: Innovation and technology for gender equality'	1	107	63	170	1	170
25.	Seminar on increasing production of oil crops	1	125	75	200	1	200
26.	Agent Banking Exchange Meeting	1	34	0	34	1	34
27.	Golden Jubilee-2023	1	198	34	232	1	232
28.	GSM Gathering Workshop by Conscious Society	1	19	304	323	1	323
29.	Workshop for preparation of manuals for imparting basic trainers	1	37	6	43	5	215
30.	Regional Conference of Deputy Directors, Senior Assistant Directors, Audit Team Leaders and Upazila Poverty Alleviation Officers	1	19	5	24	1	24
31.	Workshop for preparation of manuals for imparting basic trainers	1	22	5	27	5	135
32.	Innovation Workshop on Building Smart Bangladesh	1	24	6	30	2	60
Total		32	2,018	1,204	3,222	55	5,120

CHAPTER 3



ANNUAL RESEARCH REPORT 2022-23

Md. Shafiqur Rashid PhD

Joint Director

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Assistant Director





2.1 Introduction

Research is one of the mandated functions of the Academy. Research and Evaluation Division (R & ED) of RDA renders services so as to perform the overall research activities. Research studies under various thematic areas with a special focus on national rural development policy, 8th Five Year Plan, Sustainable Development Goals (SDGs) etc. are initiated to reduce poverty and improve the quality of life of rural people, identify various problems and possibilities of rural development and assist in the development of sustainable agriculture and environmental friendly technologies. Research findings are used in the preparation of training materials and envisaged as important feedbacks to the policy makers, practitioners and researchers who are involved in rural development process.

2.2 Research Process

As shown in the figure below, a research study at RDA goes through a set process having several stages.

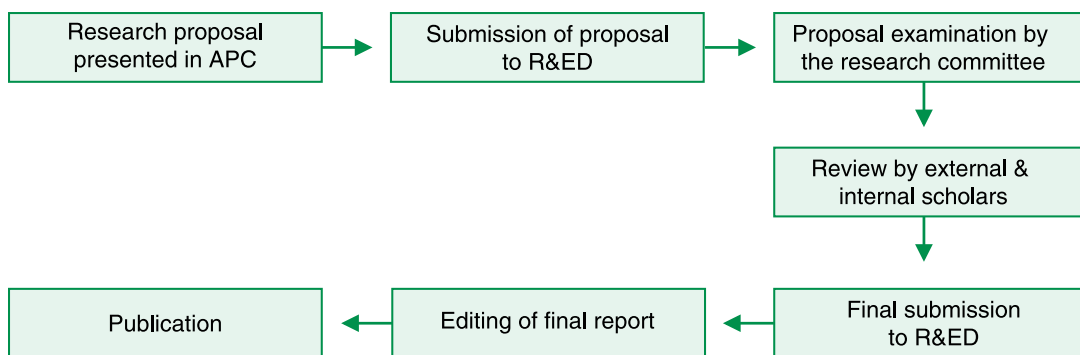


Figure: 1 Research Process

Most of the research studies enter into the first stage of the process in Annual Planning Conference where it is evaluated and guided by distinguished academicians and policy makers. Thereafter researchers prepare a full-fledged proposal and submit it to the Research and Evaluation Division (R&ED). Research committee consisting of all the directors examines the proposal and the proposal is further modified based on the feedback and suggestions. The final proposal then gets approval of Director General. After data collection, the research report is written and submitted to the Research and Evaluation Division. The Division gets it reviewed by external and internal scholars of relevant disciplines, modified by the researchers (if needed) and edited. The report is finally placed before Director General for a decision to publish. The proposal is sent to the publication committee after approval. There is also scope for inclusion of new research projects to be undergone the due process at any time during the year. Such research studies enter into the process after Research and Evaluation Division has received a new proposal having special importance and rationality.

2.3 Research Themes

Research studies at RDA taken to perform are well aligned with the thematic areas presented below. The priorities are set according to the national interest and development goals and targets.

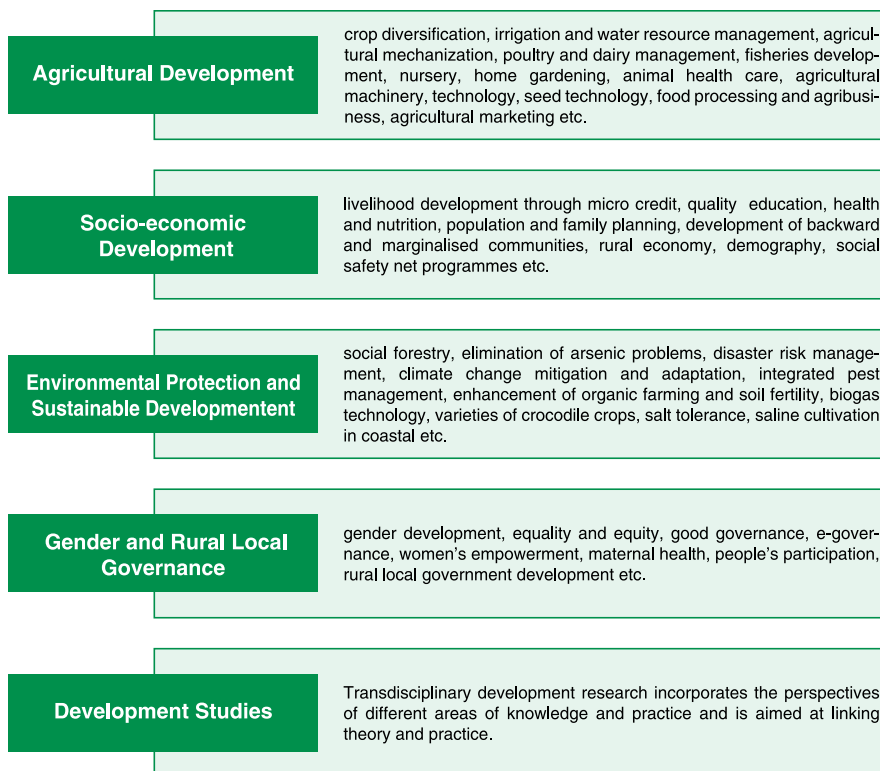


Figure: 2 Thematic Area of Research

2.4 Summary of Research Activities

A number of 557 research studies under five thematic areas have been completed between 1975 and 2023. The following figure has presented thematic area wise research studies. The figure shows that the research studies performed on agricultural development thematic area is 298 which is the highest number out of the total number followed by 118 studies on socio-economic development. The number of research studies performed on environmental protection and sustainable development, gender and rural local governance and development studies are 59, 56 and 26 respectively.

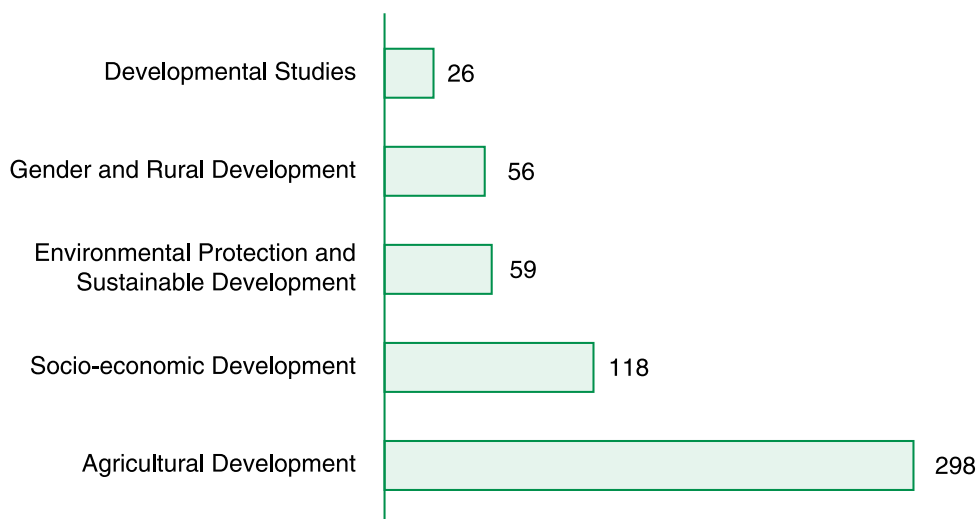


Figure: 3 Thematic Area Wise Research Studies

2.5 Research focused on SDGs

RDA has been focusing 17 SDG goals in conducting researches since the year 2015 coping with the universal call to end poverty, protect the world and ensure that all people enjoy peace and prosperity. The table-1 shows that RDA has conducted 174 research studies with special focus on 17 SDG.

Table 1: RDA Research focused on SDGs (2015-16 to 2022-23)

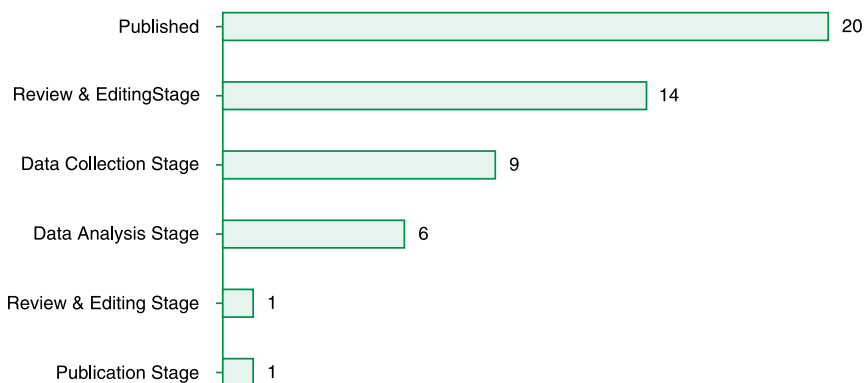
SDGs	Area	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Goal 01	No poverty	1	5	4	1	3	2	3	3	22
Goal 02	Zero hunger	6	-	15	13	5	2	2	2	45
Goal 03	Good health and well-being	1	1	1	3	-	2	2	2	12
Goal 04	Quality education	2	-	6	-	2	1	-	1	12
Goal 05	Gender equality	1	2	-	3	1	3	2	1	13
Goal 06	Clean water and sanitation	-	-	1	1	1	-	2	2	7
Goal 07	Affordable and clean energy	-	1	-	-	-	2	-	-	3
Goal 08	Decent work and economic growth	-	-	3	-	-	2	-	1	6
Goal 09	Industry, innovation and infrastructure	-	4	-	1	2	-	1	1	9
Goal 10	Reduced inequality	-	2	-	-	-	2	-	1	5
Goal 11	Sustainable cities and communities	-	2	-	-	1	1	3	1	8

SDGs	Area	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Goal 12	Responsible consumption and production	-	1	-	-	-	1	-	1	3
Goal 13	Climate action	1	1	-	-	-	-	2	1	5
Goal 14	Life below water	-	-	-	-	-	1	1	1	3
Goal 15	Life on land	1	2	3	-	-	-	-	1	7
Goal 16	Peace, justice and strong institution	-	2	2	-	1	1	-	1	7
Goal 17	Partnership to achieve SDGs	-	1	-	-	2	2	2	-	7
Total		13	24	35	22	18	22	20	20	174

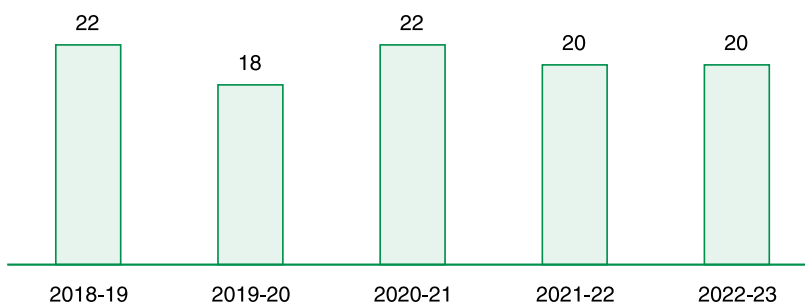
Source: RDA Research Souvenirs (Vol.1, 2, 3, and 4; Annotated Bibliography of RDA Publication along with Official Research Record).

2.6 Research Performance in 2022-2023

RDA has published 20 research studies in 2022-23 financial year. In addition to that, a total of 31 research studies have reached different stages presented in the figure below. Research titles and the authors have been given in **Appendix-A**.



RDA has published a total of 102 research studies. The figure below shows year wise publication over the last five years.



RDA has published a total of 20 research studies in 2022-2023. The title and authors of the research studies are shown in Appendix-A

Appendix-A

Sl. No.	Title	Author(s)
1.	Effect of Stocking Densities on Growth Performance of the Fresh Water Prawn (<i>Macrobrachium rosenbergii</i>) in Bioflock system	Md. AshrafAlam MacksoodAlam Khan
2.	Impact of Amar Bari Amar Khamar Self-Help Group (SHG) Training Program for Human Resource Development.	Engr. SK. SaeemFerdous Dr. Md. Abdur Rashid
3.	Increasing Crop Productivity through Cooperative mechanized farming by removing aisles of Agricultural Land.	Dr. Abdullah Al Mamun Shaikh Shahariar Mohammad Dr. Md. Abdul Majid Pramanik Md. Khalid Aurangozed Md. Assaduzzaman
4.	Paschim Islamabad: Looking through the lens of multidimensional poverty	Khalil Ahmed Md. Shafiqur Rashid Asim Kumar Sarker
5.	Ambient air quality in Rural Development Academy, Bogura	Md. Shafiqur Rashid
6.	Effects of remittance on the economy of rural Bangladesh	Khalil Ahmed
7.	Community radio in rural development of Bangladesh analyzing the social media content of krishi radio 98.8FM	Nusrat Jahan Shaikh Mehdee Mohammad
8.	Sequestration trial of biochar as an exceptional bioresource energy for enhancing soil productivity in rice	Noor Muhammad
9.	Impacts of Covid-19 Pandemic on the aquaculture supply chains in Bangladesh	Md. Nurul Amin Phd
10.	St. Martin's Island: The Coral Island of Bangladesh Needs Protection	Khalil Ahmed
11.	হৃদয়ে বঙ্গবন্ধু	খলিল আহমদ ড. আব্দুল্লাহ আল মামুন ড. সমীর কুমার সরকার শেখ শাহরিয়ার মোহাম্মদ আন্দালিব মাহেজাবীন
12.	বঙ্গবন্ধুর দর্শন ও উন্নয়নের রূপকার দেশরত্ন শেখ হাসিনা	সম্পাদক খলিল আহমদ
13.	সাহসী উদ্যোক্তা	সম্পাদক খলিল আহমদ
14.	Extension and Dissemination of Community Based Indigenous Poultry Farming for Economic Empowerment of Rural Women.	Dr. Sultana FaizunNahar Abdullah Al Mamun Mashrufa Tanzin Dr. Muhammad Riazul Islam
15.	Impact of Union Information Service Centre in Rural Development Rural Information Centre	S.M. Mohammad Ali AKM Khairul Alam
16.	Social Safety Net programs to fight against pandemic in Bangladesh: A Study on Some Selected Union Parishad in Bangladesh	Md. Maruf Ahmad

Sl. No.	Title	Author(s)
17.	Economic of Production of Crossbred (local X Holstein Froisian) Bulls For Fattening under Different Feeding Conditions	Dr. Muhammad Riazul Islam Dr. Sultana Fizun Nahar Md. Abdul Majid Pramanik Dr. Samar Kumar Sarkar
18.	Adaptability trial of orchid cactus and ornamental succulent plant of RDA Demonstration Farm	Md. Khalid Aurangozed Md. Abdul Majid Pramanik Mst Rebeka Sultana
19.	Introduction of Estous syschnonization protocols in crossbred Diary cattle at RDA Farm	Dr. Sultana Fizun Nahar Dr. Samir Kumar Sarkar Dr. Muhammad Riazul Ialam MashrufaTanzin
20.	Promotion of Trichoderma Enhanced Climate Resisted Biotechnology in Northern Region of BD.	Suvagata Bagchi AKM Zakaria

CHAPTER 5



ANNUAL ACTION RESEARCH REPORT 2022-23

Md. Abdul Majid Paramanik PhD

Joint Director

Md. Tanbirul Islam

Deputy Director

Moupia Abedin

Assistant Director

Jayanto Kumar Roy

Assistant Director





5.1 Introduction of Action Research

Action research is one of the key functions of the RDA. The main objective of action research is to find out appropriate solutions of rural socio-economic problems. It also aims to develop replicable models for rural development. RDA has fixed up its action research target in Annual Performance Agreement (APA). Based on the target of APA, RDA is conducting its action research activities in the wide range of rural development prospective.

At present **eight** action research projects (ARP) are being implemented by the academy. Out of these, **five** are GoB Funded Action Research Projects (ADP) and **three** are non-ADP funded; in addition, **seven** self-assisted Centres, RDA Demonstration Farm and RDA Laboratory School and College are managed by RDA as its action research. At the last financial year (2021-22), another three ARPs have completed. Moreover, an incoming and proposed project is also highlighted herewith for the next fiscal year 2022-23.

This paper deals with the updated progress of action research projects and the Centres for the fiscal year 2021-22. In this chapter, a short account of the major achievements of action research projects has been discussed into three parts. The first part is about project-wise activities and achievements of ongoing ARPs; second part is about the completed ARPs and the third part about Incoming/proposed ARPs.

5.2 Ongoing Action Research Projects (ARPs)

3.4.(a) Proposed Action Research Projects (ADP/Non-ADP Finance)

3.4.1	Action Research Project on Community based Agricultural Mechanization for increasing crop productivity and improving Socio-economic Development of Rural Farmers.
3.4.2	Action Research Project on Poverty Free Model Village.
3.4.3	Project on Establishment of Rural Development Academy, Sunamganj
3.4.4	Project on Employment Generation and Entrepreneurship Development through Skill Development Training
3.4.5	Research project on prevention of climate change induced soil erosion and loss of fertility through IOT and data science in Barind Tract (i-Soil Project) under Climat Change Trust Fund by Ministry of Forest, Environment and Climat Change
3.4.6	Project on Strengthening of Physical Facilities through Capacity building of RDA, Bogura.
3.4.7	Action Research Project on Strengthening and Expansion of Cattle Research and Development Centre under RDA, Bogura
3.4.8	Action Research Project on Sustainable Livelihood Improvement and Women Empowerment through RDA-Developed Women in Seed Entrepreneurship (WISE) Model.
3.4.9	Action research project on introduction of sustainable agricultural technologies and irrigation models at Chars for increasing crop production and improving the livelihood of riverine people
3.4.10	Programme for crop storage, solar irrigation and financial inclusion in char areas

5.3. Completed Action Research Projects (during 2022-23)

3.3. Completed Action Research Projects	
3.3.1	Livelihood Enhancement of the small farmer in SAARC region through small scale agro-business focusing on value chain development.
3.3.1	Action Research on Impact of Mechanized Systems of Rice Intensification in Bangladesh (Non-ADP)

Ongoing Action Research Projects (ARPs)

5.2.1 ADP Funded

3.2.1.1 Action Research Project on “Construction of Co-operative based Multistoried ‘Palli Janapad’ Housing with Modern Urban Amenities for Livelihood Improvement of the Rural People (2nd Revised)”

Palli Janapad is very innovative project is implementing by RDA, Bogura. This is ADP funded project comprises duration of 4 years (July 2014- June 2018). The project cost is Tk. 42,433.78 lakh (Govt. contribution- Tk. 36,298.00, Owner’s Contribution Tk. 6,135.78 lakh). This project is being implemented by CIWM, RDA, Bogura. Under this project a total seven numbers of Palli Janapad building will be established in seven divisions (Rajshahi-1, Dhaka-1, Chittagong-1, Khulna-1, Barishal-1, Sylhet-1 and Rangpur-1) of Bangladesh at suitable place.

However, the project is failure to implement as per the plan within the stipulated time. Therefore, the Hon’ble Prime Minister gave instructions for quick implementation of this project in only three divisions (Rangpur, Rajshahi, Dhaka division) of Bangladesh instead of seven divisions. According to her suggestions, the Palli Janapad project has been revised first time from July, 2014 to June, 2022 and is being implemented in three (Dhaka, Rajshahi and Rangpur) divisions with total cost of BDT. 21419.72 lakh. Moreover, 2nd revision of the project is being processing for two facial years (up to 30 June 2024) with revised cost of the project BDT 21698.13 lack. The 2nd revised cost is increased compared to 1st revision due to considering boundary wall of the three project sites of Syllhet, Khulna and Chittagong division. This project is now under 2nd revision process going on and PEC meeting is already held by planning commission.

Objectives

The main objective of the project is to restoration of agricultural land for food security and livelihood improvement of the rural community with modern urban housing facilities.

Specific Objectives

The specific objectives are as follows:

1. To improve the life style and livelihood of the rural community, construct multistoried building in rural areas with modern urban facilities;
2. To construct seven numbers of four storied low-cost rural housing with all utility facilities and 272 flat to accommodate the scattered rural people in a common shelter for making it rural level growth centre.

Progress

- Out of three project sites, The Rangpur palli Janopod is hand-over by the Hon'ble Prime Minister of Bangladesh on 16 June 2023. Rest of the two sites, the construction work of building is ongoing.
- Construction works for *Palli Janapad* building of Rajshahi and Dhaka division completed 80% and 35% respectively.
- Rural Development Academy (RDA), Bogura is implementing the multi-stored Palli Janpad project in three areas of the three (Rangpur, Rajshahi and Dhaka) divisions of Bangladesh where 272 families will have an opportunity to live safely with modern facilities under four categories of flats. As a result, urban amenities will be created in rural areas through restoration of agricultural land and cooperative based community.
- By implementing of this project, which is a priority of the Government's Election Manifesto 2018 by Hon'ble Prime Minister of Bangladesh. Palli Janapad project of RDA will play a vital role in expanding modern civic amenities to fulfill the requirement of My Village-My City (amar garam amar sohor).

2.1.2 Action Research Project on “Poverty Reduction of Marginalized People of Kurigram and Jamalpur Districts (2nd Revised)”

This is ADP funded project. Its duration was three years (July 2018- June 2021) but it was revised and the project duration extended up to June 2024. The initial project cost was Tk. 19515.35 lakh but 2nd revised cost is 16240.61 lakh. It is a prioritized project by Honorable Prime Minister for two backward districts of northern Bangladesh. The project location is all union Parishads and Paurasavas of eight selected Upazilas under Kurigram and Jamalpur districts. These Upazilas are Nageswari, Rajarhat, Ulipur and Chilmari under Kurigram district, and Dewanganj, Islampur, Madarganj and Melandah under Jamalpur District.

Objectives

The main objective of the project is to mainstream the extreme poor and marginalized people through poverty alleviation. The specific objectives are:

1. To create employment opportunities for extreme poor and marginalized people;
2. To increase income of the extreme poor and help them becoming entrepreneurs through providing skill development trainings, and transferring assets and modern agricultural technology;
3. To improve livestock breed through artificial insemination [AI] technology and
4. To enhance the socioeconomic conditions of the project beneficiaries.

Main Activities of Project

- Handing over 18095 cattle heads to the extreme poor households under the 'Asset Transfer' scheme
- Collection of 10 bull (pure breed) for improving livestock breeders
- Establishment of eight Agro Processing, Preservation and Marketing (APM) units including rice and flower mills, honey processing unit, yogurt production unit, Baking unit, oil mill, potato chips production line, tomato/ mango juice/pulp production line, spices processing,

packing unit, freezing and refrigerator unit (one in each Upazila)

- 4.0 acres land acquisition for establishing eight APM units (50 decimals for each unit)
- Establishment of 16 group based fish farms and technology transfer to 720 beneficiaries for modern fish farming
- Providing skill development trainings in different trades to 19570 project beneficiaries
- Transferring AI technology
- Formation of groups consisting 30-50 project beneficiaries

Progress

Completed activities during 2022-23

1. Beneficiary selection 25000 person
2. Cattle distributed to 18095 beneficiaries.

Upaila-wise present status of distributed cattles

District	Upazila	Target of Cow Distribution	Distributed number of Cow	Number of Dead Cow	Loss/ sold Cows	Number of Pregnant Cow	Number of Culf	Number of Unpregnant Cow
Kurigram	Nagesshari	4545	4545	13	97	1827	1372	1236
	Rajarhat	1960	0	0	0	0	0	0
	Ulipur	4105	945	8	32	434	207	264
	Chilmari	1890	1890	23	92	1105	372	298
Total of District		12500	7380	44	221	3366	1951	1798
Jamalpur	Dewangonj	2820	1875	21	109	550	860	335
	Islampur	3920	3620	67	132	1285	860	1276
	Melandah	3425	3155	47	143	655	2141	169
	Mathergonj	2335	2065	27	254	774	604	406
Total of District		12500	10715	162	638	3264	4465	2186
Grand Total		25000	18095	206	859	6630	6416	3984

1. Demonstration of modern fish culture technology has been completed.
2. 570 groups has been formed with project beneficiaries
3. Land acquisition has been completed
4. Construction of APM unit at eight sites has been started and 7 sites almost (80%) completed.
5. Construction of boundary wall and gate for 7 APM unit site almost (90%) completed.
6. Training of 19035 beneficiaries (in different trades) has been completed.
7. APM Unit of mother station renovation has been completed.

Targeted activates for 2023-24

1. Construction of APM Unit in eight sites will be completed.
2. Construction of boundary wall and gate for all APM unit site will be completed

3. Collection of machineries for APM units and commissioning of machineries will be completed.
4. Collection of Bull for RDA Bull station will be completed
5. Training of rest 535 beneficiaries (in different trades) will be completed
6. Group development and monitoring of cattle will be continued.

3.2.1.3 Making Markets Work for the Chars (M4C) -2nd Phase Project.

This project is the ADP Technical Assistance Project. This project was approved on 02 June 2021; M4C is a project mandated by the Embassy of Switzerland in Bangladesh and Ministry of LGRD and Cooperatives, Government of Bangladesh; Swisscontact implements it in collaboration with Rural Development Academy, Bogura.

Project Implementation Period

Type of TAPP	Date of Commencement	Date of Completion
Original	01 January-2021	31-December-2024

The total project cost is Tk. 5,986.00 lakh, (Project AID-SDC Tk.4,510.00 and GoB Tk.1,476.00 lakh). This project is being implemented by Rural Development Academy (RDA), Bogura, along with Swisscontact.

Overall goal: The overall goal of Phase- 2 of the M4C project (for 48 months) is to benefit at least 79,000 char households (comprising of women, men and children) with an additional increased income of CHF 14.5 million in up to 6 districts (5 in Northern and 1 in Southern area) of Bangladesh.

Objectives

The main objectives of the project are:

- To support the expansion of the national private agri-business network in the chars to enhance productivity and quality of agricultural (Crops, livestock sectors) production of char households creating increased income and employment opportunities.
- To support innovation for the growth of local enterprises and integration/ inclusion of these local enterprises with regional and national value chains so that they continue transactions with char households for products and services.
- To facilitate public investment in relevant infrastructure through capitalization and anchoring market development approaches in public institutions and private partnerships.

Specific: Following are the project's specific objectives are:

- Char households demonstrate changes in behaviours that reduce vulnerability and benefit from positive changes in economic activity.
- Char-producing households have access to and use better quality inputs and production practices for crops and livestock.
- Char-producing households have improved linkages with output market actors and can produce quality products and sell at an optimal price.
- Char-producing households have access to appropriate financial services like RDA credit through CDRC and other micro-finance institutes such as seasonal loan products to enable

them to produce good quality crops and livestock;

- Private and Public Service providers, firms and other market actors provide char households with better services and show evidence of sustainable changes in business innovation, investments, expansion and business attitudes towards chars and service delivery.

Overall Progress

- So far, eight agricultural input companies (6 for crops and 2 for animal husbandry) have been contracted to supply good quality agricultural inputs to pastures. These companies are AR Malik Seed, United Seed, Petrochem Bangladesh Limited, Auto Crop Care Limited, ACI, Naafco Group, SK+F and Renata.
- In the pursuit of agricultural development and empowerment of farmers in Bangladesh, significant progress has been achieved through collaborative efforts. As of June 2023, a total of 3,480 farmers, including 1,978 women, have received specialized training in various aspects of agriculture. These training programs, conducted in partnership with AR Malik Seed, focused on summer vegetable cultivation. Furthermore, 307 demonstration Fodder plots have been established, showcasing best practices to enhance crop yields. Through AR Malik Seed, vegetable seeds worth approximately Tk 1 crore 69 lakhs have been sold, facilitating improved access to quality seeds for farmers. Multiple initiatives in collaboration with Petrochem Bangladesh, Auto Crop Care, and United Seed Limited Company have led to the completion of 680 farmer training sessions and 5,585 farmer meetings/campaigns. These events saw a remarkable attendance of 48,800 farmers, including 17,300 women. Additionally, 902 exhibitions and 113 field days were organized, providing platforms for knowledge-sharing and learning, with 11,924 farmers participating. A total of 15 retailer meetings were jointly organized by ACI, AR Malik, and Petrochem, which saw the participation of 387 vendors specializing in agriculture, seeds, and pesticides. Furthermore, 529 traders, including 4 women, underwent one-day training on Business Management in 20 batches, while 20 traders received a comprehensive three-day training on financial literacy. In the Char area, agricultural implements valued at approximately Tk 23 crore 23 lakhs have been sold, promoting mechanization and efficiency in farming practices. Renata conducted a comprehensive briefing for 10 officials working in Gaibandha and Jamalpur districts, outlining the joint activities of M4C and Renata. A robust action plan for the year 2023-24 has been prepared, setting the direction for future endeavors. These collective efforts reflect a dedicated commitment to the growth and prosperity of the agricultural sector in Bangladesh. By empowering farmers, promoting sustainable practices, and fostering collaborative partnerships, the country is poised for further progress in the realm of agriculture and rural development.
- Significant strides have been made in enhancing livestock services and empowering stakeholders in the livestock sector. A commendable effort was made in organizing 45 batches of skill development training for Livestock Service Providers (LSPs) associated with SKF. These training sessions have proven highly beneficial, with a total of 1,068 LSPs participating, including 2 women. To bolster the services provided to livestock, 22 batches of training on sales planning and skill development were conducted for chemists and medicine vendors. An impressive number of 533 chemists/ medicine vendors actively engaged in these training sessions. Two farmer meetings were held, drawing the participation of 50 attendees,

including 46 women. These meetings served as valuable platforms for disseminating essential information and knowledge related to livestock management. SKF has taken the initiative to conduct 115 demonstrations on cow fattening, providing farmers with essential materials such as Rexon DS Vet, TMB Vet, Cumet Bcivet, Eskavet DV, and Hepatonic. Additionally, 11 field days on cow fattening were organized, witnessing an impressive total of 946 participants, including 653 women. These events have been instrumental in promoting best practices in livestock management. The livestock sector has witnessed significant growth in sales of medicines and vitamins through the SKF, amounting to an impressive TK 28.31 crore. Out of this total, TK 11.55 crores worth of livestock medicines, vitamins, and supplements were specifically sold in char areas, addressing the unique needs of livestock farmers in those regions. Through these concerted efforts, the livestock sector has witnessed remarkable progress, promoting sustainable and efficient practices. By empowering LSPs, chemists, and medicine vendors, and providing crucial training and support to farmers, SKF is playing a pivotal role in driving positive change and development in the livestock industry. The commitment to enhancing livestock services and welfare is evident, and these endeavors are set to pave the way for continued growth and prosperity in the sector.

- 124 vaccinations were conducted under cattle fattening program and 52 PPR vaccination campaigns for goats, where 15,975 cows and 7,648 goats were vaccinated.
- Promising strides have been made in empowering women farmers in the Char area through indigenous chicken rearing initiatives. As of June 2023, a total of 1,314 women have received specialized training in indigenous chicken rearing, fostering their skills and knowledge in this sector. This training was carried out in collaboration with 9 poultry hatcheries in the char area, providing women with valuable expertise. Remarkably, 855 Char women have actively engaged in rearing 54,460 chickens as part of the indigenous poultry rearing program. This achievement showcases the dedication and commitment of women farmers in the char area to embrace sustainable poultry practices. To further promote indigenous chicken rearing, 6 demonstration farms were established, and 3 field days were organized. These events attracted 262 enthusiastic women farmers, providing them with hands-on experiences and insights into successful poultry management practices. In a significant move towards self-sufficiency, 18 women vaccinators have been appointed to administer chicken vaccines. This not only empowers women with valuable skills but also ensures the health and well-being of the poultry population. To foster knowledge sharing and expansion, 4 experience exchange visits were conducted with 110 advanced farmers. These visits aimed to spread indigenous chicken rearing practices to new areas, promoting inclusivity and growth in the industry. Additionally, 38 farmer meetings were held, with an impressive attendance of 855 farmers, of which 822 were women. These meetings served as platforms for valuable discussions and networking opportunities. As a testament to the effectiveness of the initiatives, 153 farmers have successfully sold 12,559 domestic chickens, generating approximately Tk 35,87,750 in revenue. This not only highlights the profitability of indigenous chicken rearing but also reinforces its potential for economic empowerment.
- 3 agro startups (iFarmer, Pumpkin Plus, Agrigate Asia) have been engaged to create a competitive market in the paddy field. 1,800 people (iFarmer-1,100, Pumpkin Plus- 300, Agrigate Asia-400) have provided the above start-up-purchase services to fodder farmers. In Jamalpur this month, WeGro purchased 106 goats for rearing at a total of Tk 1,179,300

to 53 persons and provided 05 cows for rearing at a total of Tk 390,000 to 05 persons. 5,50,000/- has also been given as loan to 5 cow/goat traders. Fully automatic incubators, automatic hatchery incubators and egg storage machines have been handed over by Ma Agro & Poultry Farm through biniyog.io in Gaibandha this month. iFarmer provided a loan of Tk 8,24,000 to 18 people in Jamalpur this month for fattening cows.

- 11 Crop Conservation and Marketing Centers (Procurement Centers) have been started in Jamalpur, Gaibandha, Kurigram, Lalmonirhat and Rangpur districts through M4C project involving 145 traders and 5,824 farmers. Traders have bought and sold 37,818 metric tons of potatoes, 46,402 metric tons of sweet pumpkin, 43,059 metric tons of maize, 12 metric tons of jute, 420 metric tons of almonds, 680 metric tons of pepper and 95 metric tons of mustard through the procurement centers till this month.
- Through 228 Trader Out Growers (Livestock) till June, 2023, 1,242 farmer groups involved in bull fattening, domestic poultry and goat rearing have been formed involving 30,995 farmers (of which 63% are women) and providing livestock services to the fodder farmers. Also 3 batches of LSPs (Livestock) were trained in which total 62 LSPs were present. 730 batches of farmer training on cattle fattening were organized through Trader Out Grower (Livestock) with a total of 16,282 farmers including 13,500 women. 8 batches of skill development training on goat rearing were organized for Trader Out Growers (Goats) with a total of 149 Trader Out Growers (Goats) including 5 women. 570 batches of farmer training (on goat rearing) were imparted through Trader Out Grower (Goat), in which a total of 14,250 farmers attended out of which 13,670 were women. Till June, 2023, 28 high yielding grass field days were organized in which 2,597 farmers participated including 1,918 women. 32 field days have been organized for making goat sheds and demonstration of results in which 3,227 farmers participated including 2,929 women. Also, with the help of the project, about 17,935 bulls and about 12,705 goats from more than 10,000 families from Char area have been arranged to be sold at remunerative prices through Traders of Fodder (TOS).
- So far 314 people have been involved in TOS (Trader Outgrower Scheme). About 38,025 farmers (69% women) are producing and selling crops and livestock through these TOSs. Around 39,852 MT of crops have been sold through these TOSs till June, 2023.
- Under the project, 65 nurseries have been set up by the trainees after completion of entrepreneurship training course on nursery management for 90 people in 03 batch. Where the seedling business activities are ongoing along with the production of various quality seedlings.
- Under the project, portable storage construction activities have been completed 100% at 04 sites in 03 districts (Purbo Ichli Char-01 in Gangachara upazila of Rangpur district, Vullarhat char-01 in Kaliganj upazila of Lalmonirhat district, Council Bazar-01 in Sadar upazila of Gaibandha district and Fulchhari Bazar-01 in Fulchari upazila of Gaibandha district).
- Among the completed portable storage of 04 sites, 3800 bags of maize and 20 bags of groundnuts in Rangpur, 2500 bags of maize in Lalmonirhat, 3000 bags of maize in Gaibandha (Council Bazar) and 2800 bags of maize and 10 bags of dry chillies in Gaibandha (Fulchari Bazar) have been stored.
- Under the project, 4680 watt solar panel for 3 HP motor and 6 inch diameter pipe installation to supply irrigation and drinking water to agricultural land in Char area through portable solar powered tubewells in 02 districts (Gazaria char-01 in Fulchari upazila of Gaibandha

district, Balashighat Vasarpara char-01 in Sadar upazila of Gaibandha district and Chalapak char-01 in Gangachara upazila of Rangpur district) 03 sites of portable solar panel installation program has been completed 100%.

- The delivery pipe of portable solar powered tubewells at the completed 03 sites through 3 inch thick and 2200 feet long fiber pipe is spread over 35 acres of extensive char land including Gaibandha (Gajaria char)-15 acres and Gaibandha (Balashighat Vasarpara Chare)-20 acres for jute, maize, chillies, paddy, Irrigation activities are going on in the fields of summer radish, summer potato and various vegetable crops.
- Under the project, pakchung grass production demonstration is underway in 06 areas of 04 districts (Rangpur, Gaibandha, Kurigram and Jamalpur) to meet the demand of cattle fodder. Pakchung grass cuttings were provided to 60 trainees of 02 batches participating in the training course on Animal Husbandry.
- Research program on improving the living standards and environment of people living in Char area through agro-forestry, 06 demonstration has been set up at East Ichli char in Gangachra upazila of Rangpur district, Gajaria char in Fulchari upazila of Gaibandha district and Bahadurabad in Dewanganj upazila of Jamalpur district, The data collection work is ongoing. It is to be noted that through agro-forestry, a plan has been taken to cover the entire area of Gajaria char under Fulchari upazila of Gaibandha district under afforestation.
- Research program on entrepreneurship creation through seedling production and business in char land to combat the effects of climate change at Chalapak char in Gangachara upazila of Rangpur district, Khetra and Gokaipiar char in Ulipur upazila of Kurigram district, Daubari char in Kaliganj upazila of Lalmonirhat district, Boyra in Sarishabari upazila of Jamalpur district. 30 demonstration has been set up in Naopara char in Naria upazila of Shariatpur district data collection is ongoing.
- Under the project, the research program on safe food production in char land, the program of setting up demonstration of safe vegetable production through Pollinet House in 06 sites of 03 districts (Rangpur, Gaibandha and Kurigram) and the program of setting up demonstration of production of fodder suitable crops (watermelon, almond, sweet pumpkin) is ongoing. It should be noted that the safe vegetable production program is going on at Balashi char in Sadar upazila of Gaibandha district on about 08 acres of land.
- Under the project, the research program on improving the quality of life of the people of the forage through the production of suitable crops in the sand-soil, under the research program, production of sweet pumpkin as a sandbar crop using peat and mulching method. Setting up 04 demonstration on 30 bigha at Chalapak char, 60 bigha at Chollis sal char, 30 bigha at Gauchia char in Gangachra upazila of Rangpur district and 60 bigha at Dhutichera char in Sadar upazila of Gaibandha district has been done whose data collection is ongoing. It is to be noted that as part of the research, demonstration of watermelon has been implemented on 02 bigha of land as sandbar crop at Rajara char in Sundarganj upazila of Gaibandha district.
- Under the project, 30 sewing machines were distributed to 30 entrepreneurial women on completion of a month-long “Entrepreneurship Training in Handicrafts and Sewing” course from the post-training project. Trained women from the char area have started different char tailoring businesses.
- One month duration “Training on Artificial Insemination Technician” course has been completed

under the project. At the end of the course, 30 enterprising technicians were provided with nitrogen cans for seaman preservation. It may be noted that the trained artificial insemination workers working as a LSPs for development of cattle breeds on different chars under the project.

- Under the project, various programs (rally, discussion meeting, free medical camp, painting competition, boat ride, tree planting etc.) were held on the occasion of World Tourism Day-2022 in collaboration with Fulchari upazila Administration and Water Development Board at Gajaria char in Fulchari Upazila of Gaibandha district.
- Under the project, “M4C-Entrepreneurs Forum Char Mela-2023” was held for 02 days at Gajaria char in Fulchari upazila of Gaibandha district. Mr. Swapan Bhattacharjee MP Honourable State Minister, Ministry of Local Government, Rural Development and Cooperatives was present as the chief guest in the opening ceremony of the Entrepreneur Fair.
- Setting up M4C Hut on 01 acres of land with the help of district Administration, Kurigram at Bajradiar khata char in Chilmari upazila of Kurigram district. For that purpose till now 03 feet of 10 columns of RCC have been casted for market shed on 3.75 cents of land and other activities are ongoing.

3.2.1.4 Comprehensive Village Développement Programme (CVDP)-3rd Phase (RDA Part)

Introduction

Comprehensive Village Development Programme (CVDP) was initiated by Bangladesh Academy for Rural Development (BARD), Comilla in 1975 in the name of ‘Total Village Development Programme’ with a view to examine one village one organisation in a village. The main thrust was given to mobilisation of local resources and its utilisation so that the villagers would be self-reliant irrespective of age, sex, class and profession. The project was included in the 3rd FYP and renamed as ‘Comprehensive Village Development Programme’ (CVDP). In the second phase during the Fourth FYP, Rural Development Academy (RDA), Bogura was involved with the implementation of the project in 1991-92. At this stage CVDP was implemented by BARD and RDA in 40 villages each in Rajshahi and Khulna Divisions, and Dhaka, Chittagong and Sylhet Divisions respectively. The Experimental Phase of the project was wound up in June 2004. During the Experimental phase CVDP was able to create some positive results for the betterment of the rural people under the programme. The government was convinced to adopt CVDP as a model concept for rural development and recommended for nation-wide replication throughout the country.

The First phase of the national programme was wound up in June 2009. The programme is sponsored by the Rural Development and Co-operative Division of the Ministry of LGRD and Co-operatives. RDA, BARD, BRDB and Co-operative Departments were working as implementing agencies. Under 1st phase, total number of Societies was 1575 of which RDA covered 300 villages of four Upazilas such as Sherpur (Bogura), Sadullapur (Gaibandha), Mirpur (Kushtia) and Jhenaidah Sadar (Jhenaidah). Again the Govt. approved its Second Phase for a period of July 2009- December 2014 comprising 66 Upazilas of 64 districts. Total number of Samities was 4275. RDA part implemented its activities in 1020 villages of 16 Upazilas in Rajshahi, Rangpur and Khulna divisions.

Achievements Up to 2nd Phase

CVDP has made a good progress in the 2nd phase. The remarkable progress was observed in increasing number of cooperatives, enrollment of members, capital accumulation. In addition, the project conducted several types of training courses, workshops/seminars, awareness programmes, and other social activities for the beneficiaries and stakeholders.

Other Comments on the 2nd Phase implementation

1. The institutional base of most of the CVDP co-operatives are being strengthened. These are playing a leading role in the village in a sustainable manner.
2. About 81% of the societies have shown their worthiness in launching credit programme with their own capital consisting of both share and savings. This helps creating self-employment and generating additional income for the co-operators.
3. CVDP has given top priority to imparting training. It helps a lot to make awareness buildings, skill development and technology transfer.
4. Linkage between village based cooperatives and Upazila level government departments has become strengthened. So the developmental activities such as livestock vaccination, family planning, EPI, sanitation coverage etc. are found very successful.
5. CVDP has given emphasis on environment protection through introducing renewable energy like biogas and solar panel. Bio-fertilizer, vermi compost and tricho compost are used in farming. Plantation also is another important activity of the cooperatives.
6. CVDP was created a diversified impact at the field level with less investment.

CVDP-3rd Phase with 1st Revised

Again, the Govt. already approved 3rd phase of CVDP for four years (January 2018-December 2021) with the total allotted cost of 301.05 crores and RDA has been participating in this phase with other three organisations-BARD, BRDB, and Dept. of Cooperatives.

CVDP-3rd Phase is being implemented in 10,035 villages under 162 Upazilas of 64 Districts. RDA, Bogura is responsible for 2160 villages under 35 Upazilas of Rajshahi, Rangpur and Khulna Division. Among 35 Upazilas, 19 are new. RDA, Bogura started project activities from July, 2018 due to late employment of DPDs. Project activities are being hampered due to lack of project personnel at the filed level. The recruitment process is being lingered due to the court case handled by the previous employees. Only Assistant Project Directors at the Upazila level (UCOs) are working at the field (designated), and Upazila/District level Inspectors and Assistant Inspector of the cooperatives have also been working with the APDs (recent circular). Apart from this, Upazila formed a good number of societies at the village level and Authority is involved in many activities including enrollment of members, organising training programmes, etc. Apart from this, Cooperators have been participating in employment generation, social awareness program, maintenance of village roads/EPI program and other activities. Due to the last pandameic and some other problems, especially manpower shortage in the the project which could not achieve the desired goal.

With view of the above circumstances the Govt. again extended the programme upto December, 2023 (1st revised). The project area is the same as 3rd phase. At the first revised step, the project has been focusing on IGA training scheduled for two months and participants are getting level-1 certificate of NSDA and BTEB after successful completion of the training and getting opportunities in self employment, jobs and going abroad.

The short-listed activities upto June 2023 are given below:

Sl. No.	Activities	RDPP Target	Progress up to June 2023
1.	Formation of Co-operative Societies (no.)	2160	2025
2.	Family Coverage (no.)	204400	139678
3.	Membership Enrolment (person)	312000	211354
4.	Capital Accumulation (lakh Taka)	10970	3823.41
5.	Loan disbursement from societies' own capital(lakh taka)	8610	4133.91
6.	Creation of Self employment through training and credit	75336	35105
7.	Training and related activities (person/mandays)	-	
a)	Training for the project personnel	115	115
b)	Orientation Course for Upazila level officials and Representatives.	475	475
c)	Orientation Course for development of the village societies like Dev. Workers, Gramkormi and Cooperators.	960	960
d)	Special training (3days)	3000	2100
e)	Special IGA Training (30/60 days)	7820	4360
f)	Monthly Joint Meeting and E-Training	106080	59340

3.2.1.5 Project on Establishment of Sheikh Zahurul Haque Rural Development Academy, Jashore.

This is ADP funded project. Its duration is 4 years (July 2022- June 2026). The project cost is Tk. 19895.00 lakh. The project location is Machna and Thote Kamalpur Mouza of Monirampur Upizala under Jahore District.

Objectives of the project:

Main objective of this project is to establish a Rural Development Academy for the sustainable livelihood development of the rural population in the south-western part of the country.

Specific objectives of the project:

- Skill development of the backward population living in the south western region of the country (minimum 500 people including 30% women yearly) through training;
- Conducting research on at least 05 sustainable development issues per year by identifying problems and opportunities related to rural development; And
- Conducting at least 02 Action Research projects per year with a view to extending research findings.

Main Activities of the Project

- Acquisition of 50 acres of land.
- 50% of total land development.
- Construction of boundary wall with main gate.

- Construction of academic cum faculty building (10 storied foundation 10 storied complete).
- Construction of cafeteria building with recreation center and guest house (6 storied foundation 6 storied complete).
- Construction of technical and general school building (2 storied foundations 2 storied complete).
- Construction of male hostel (each of 6 storied foundation 6 storied complete).
- Construction of male and female hostel (each of 3 storied foundation 3 storied complete).
- DG Bungalow (Duplex).
- Construction of Faculty Quarter (3 storied foundation 3 storied complete).
- Construction of Staff Quarter (3 storied foundation 3 storied complete).
- Mosque (2 storied foundation 2 storied complete).
- Medical Center (2 storied foundation 2 storied complete).
- Establishment of seven individual units (crop unit, dairy unit, poultry unit, fisheries unit, tissue culture unit, flower research with nursery unit and agro product processing unit).
- Others related construction works like link corridor, drainage system, 500 kVA power station, water supply, telecommunication, internet facilities etc.

Work Progress

- Land acquisition process is going on.
- Master plan correction process is on going.
- DPP revised process is on going.

3.2.1.6&7 Sheikh Russel Rural Development Academy, Rangpur and Sheikh Hasina Rural Development Academy, Jamalpur

RDA, Bogura is taking care of all facilities created under the project including maintenance by deployed five officers of RDA, Bogura on additional duty. Along with this, small scale training and research activities have been carried out.

Recently Sheikh Russell Rural Development Academy, Rangpur Establishment Act-2023 has been passed and also the academy 'Sheikh Hasina Rural Development Academy, Jamalpur' Act is final approval stage e.i. prepared in the coming session of 11th National Parliament. Besides, an organizational structure of 110 no. manpower has been approved for each academy.

5.2.2 Non-ADP Project

5.2.2.1 RDA-IRRI : Delivering genetic gain in farmer field/Cereal seed systems

Research Activities (Ongoing season Aman/2023):

1. RDA conducted the total 33 Head to Head adaptive trials (IRRI-BRRI protocol) at farmers' fields which are evidence based research trials.
2. RDA conducted cluster demonstrations with women led seed producer group under empowerment of seed business model research. As well as RDA will conduct a collaboration

- training for the women led group to understand the proper seed certification guidelines with SCA (Seed certification Agency).
3. RDA implemented the community demonstrations under the proper IRRI guidelines where this study gathers knowledge of experience of multi stakeholders.
 4. RDA will follow-up the crop cut program as per IRRI protocol with the presence of UAO/ breeder from BRRRI or universities or local SAAO with few village farmers/ community. As well as crop cut needs proper data collection and documentation.
 5. RDA monitors all the demonstrations at the fields with proper data collection and documentation. Varietal performance trial has been checked here very carefully and data has been sent through software.

IRRI and Rural Development Academy (RDA), agree that the results of the collaborative research and/or the Foreground IP can be used:

1. For non-commercial research and training conducted by IRRI and by 3rd party public research institute (hereinafter referred to as “Research Exemption”); or
2. For use in the event of a national or regional food security emergency limited to the duration of the emergency (hereinafter referred to as “Emergency Exemption”); or
3. For use in teaching activities by academic organizations (hereinafter referred to as “Teaching Exemption”).
4. Foreground IP generated in collaborative research shall be managed with the aim of reaching and achieving the greatest positive impact for the benefit of the rice farmers and rice food security.
5. Each of the parties is free to use all data and information developed under this Agreement for the enhancement of their respective academic and research programs. Whenever applicable, the principal authors, researchers, and project leaders from both Parties shall be identified, recognized, and included in any publications arising from the joint Rand projects.

3.2.2.2 Action Research on Climate smart agricultural marketing system development for improving household food and nutrition security of vulnerable Char dwellers in Bangladesh under UCB sponsored ‘Vorochar Notun Janala’ initiative”

This action research project is being jointly implemented by Char Development Research Centre, Rural Development Academy (RDA), Bogura and United Commercial Bank PLC (UCB)

Objectives

The main objective of the action research is to develop a set of replicable climate smart market system (model) for combating food and nutrition insecurity of char dweller households through enhancing income.

The specific objectives are to-

- study climate induced vulnerabilities of char dwellers
- document food and nutrition security situation of char households

- find out impact of action research interventions on income and food and nutrition security.
- suggest validated replicable model for replication to wider communities of char land.

Time frame

The duration of the assignment is primarily 12 months will enter into force upon signing by legal representative of UCB and CDRC.

Working location

The proposed action research will be implemented in climate char lands of N-W Bangladesh.

Sub-sectors

The proposed action research will cover the following agricultural keeping sub-sectors principles of climate smart approach as the core value.

Sub-Sector-01: Climate Smart Crops and Seed Production and Marketing

Sub-Sector-02: Climate Smart Poultry and Small Animal Production and Marketing

Sub-Sector-03: Climate Smart Fish Production and Marketing

Sub-Sector-04: Climate Smart Organic Fertilizer Production and Marketing

Sub-Sector-05: Climate Smart Irrigation, Water Management and Water Marketing.

5.2.3 Self Assisted

5.2.3.1 RDA own fund Action Research on Poverty Free Model Village

3.2.3.1 RDA own fund Action Research on Poverty Free Model Village

For poverty alleviation and reduction of regional disparities, an action research project on “Poverty Free Model Village” is being conducted under the own funding of Rural Development Academy (RDA), Bogura. In today’s world, if a financially well-off family lacks access to housing, sanitation, water, health, energy, and education, that family is classified as poor according to the Multidimensional Poverty Index (MPI). As part of this study, MPI scores were determined by conducting a baseline survey in three villages (Kalshimati, Kanupur and Daribangra) of Sherpur Upazila of Bogura district. In Kalshimati village, 387 households are surveyed and now identified Ziro households whose MPI score is more than 0.33 (threshold value to MPI poor family). Various interventions (training, support and assets) are distributed/provided to them to alleviate poverty in Kalashimati. Kanupur and Daribangra villages are considered as the control village of the study; make possible to review the impact of various interventions in Kalshimati village.

To alleviate poverty as per MPI score in Kalshimati village, 327 men and women are trained through training courses on Poverty Alleviation through Driving and Mechanics, Community Based Indigenous Poultry Farming to Ensure Nutritional Security and Empowerment of Rural Women, Modern Nursery Technology, House Keeping and Care Giving, Handicrafts and Sewing Training, Parlor Training, and Electrical (Refrigerator and AC) in FY 2022-2023.

Six numbers of low-cost modern houses having bed-room, kitchen, and toilet have been constructed and distributed to MPI poor households and three tin shed house is constructed to MPI poor

households also. In addition, Sanitation facilities have been expanded of 33 MPI poor households and paving the floors here. In addition, the efforts to develop a model to bring the poverty rate to zero by conducting various support programs including providing advice on production issues are being continued.

3.2.3.3 RDA Laboratory School and College

Rural Development Academy (RDA) School and College is one of the most illustrious and traditional seats of learning in north Bengal in particular and in the country in general. Nestling entirely in a secured and serene atmosphere, some 10 mile to the south of the Bogura city this educational institute is continuing its onward march with a serious of brilliant success in curricular, co-curricular and extra-curricular activities. In 1985, Rural Development Academy (RDA) School and College was established with a view to educate the children of backward rural population of adjacent areas. With the establishment of the college section in 2001, its institutional status has increased greatly. School and College is working as a laboratory of RDA. The institution is run by an efficient governing body under the direct supervision of RDA. The governing body is headed by DG, RDA as chairman. It started its journey with a vision of educating young students and creating future leaders who can imprint their footsteps in all areas of human achievement. A team of dedicated officers, teachers and staff provides personal attention to every student. Under their able guidance, the talents, skills and abilities of each student is indentified, nurtured and encouraged so that she/he goes to a greater height. Today Rural Development Academy (RDA) School and College is not just a school or college but a family in which the officers, teachers, staff, student and parents work united to foster this family spirit.

We feel proud to be a part of a great future in making. Meanwhile children of many vulnerable families of rural communities have completed their secondary and higher secondary education from this institution and they are now studying in different renowned institutions home and abroad. Some ex-students of this institution have completed their higher education and they are now serving in various sectors of the country. Among them, there are BCS cadres officers, university teachers, doctors, engineers, scientists and other dignified personalities who are contributing to the overall national development through their respective jobs. Our mission is noble and journey is same. Our efforts in this respect will be added new annals of achievements to the increasing glory of the college in the days ahead.

Students of this institute have been taking part in SSC exam from 1990 and HSC exam from 2003. By analyzing the results till 2020, it is found that in most cases 100% success has been achieved. In the PEC, JSC and SSC examination, the passing rate is 100%. In the last JSC exam of 2019, the passing rate is 100%. A+ 159 (68.33%). The passing rate of SSC-2021 is also 100%. A+ 217 (86.8%). Passing rate of HSC-2021 is 100%, A+ 284 (78.02%). It is notable that a significant number of students are getting scholarships each year in the PEC, JSC and SSC exam. Along with that a good number of students of this institution get chance for higher study in Medical, Engineering and different public universities each and every year. The last 5 years result of PEC, JSC, SSC and HSC exam are illustrated bellow:

PEC Result (2015-2019)

Year	Total	Successful	Grade				% of Successful
			A+ (%)	A	A-	B	
2015	175	175	124 (71%)	51	--	--	100%
2016	178	178	96 (54%)	74	04	04	100%
2017	180	180	125 (69%)	52	1	2	100%
2018	179	179	162 (90.50%)	16	1	-	100%
2019	186	186	151(81.18%)	33	2	-	100%

JSC Result (2015-2019)

Year	Total	Successful	Grade				% of Successful	Remark
			A+ (%)	A	A-	B		
2015	215	215	204 (95%)	11	--	--	100%	--
2016	236	236	228 (97%)	08	--	--	100%	--
2017	225	225	213 (95%)	12	-	-	100%	--
2018	233	233	166 (71.24%)	66	1	-	100%	--
2019	232	232	159 (68.33%)	73	-	-	100%	--

SSC Result (2016-2020)

Year	Total	Successful	Grade			% of Successful	Remark
			A+ (%)	A	A-		
2016	163	163	142 (87%)	19	02	100%	--
2017	206	206	180 (87.38%)	26	--	100%	--
2018	221	221	184 (83.25)	34	03	100%	--
2019	262	262	231 (88.17%)	30	1	100%	--
2020	230	230	216 (94%)	14	-	100%	--
2021	250	250	217 (86.8%)	32	01	100%	--
2022	386	383	193 (50.39%)	187	03	100%	--

HSC Result (2016-2020)

Year	Total	Successful	Grade					% of Successful	Remark
			A+ (%)	A	A-	B	C		
2015	167	167	31 (18.6%)	119	15	01	01	100%	---
2016	313	312	82 (26.20%)	189	35	06	--	99.68%	---
2017	219	219	46 (21%)	157	13	03	--	100%	---
2018	199	199	82 (41.21%)	113	04	--	--	100%	---
2019	217	217	118 (54.38%)	98	1	-	-	100%	---

Year	Total	Successful	Grade					% of Successful	Remark
			A+ (%)	A	A-	B	C		
2020	230	230	153 (66.52%)	68	07	01	01	100%	---
2021	364	364	284 (78.02%)	78	02	01		100%	---

Currently, 3400 students are studying in the institute. 71 experienced teachers and 45 office staff are working. Because of the quality education of this institution the pressure of admission is very high. It is now a symbol of progressive and quality education in Bangladesh.

Achievements

In order to develop the latent talent of the students, sports such as football, volleyball, handball, cricket etc. are organized. As well as sports, debates, recitations, dance, knowledge-asking, portraying, music, swimming etc. are included in the syllabus. Students of this institution have achieved remarkable success by participating in different competitions held at upazilas, districts, divisions and national level. It is to be noted that in 2010 a student participated in National Children's Prize Competition, got the Gold Medal as the first prize. In 2011 and 2012, through participation in the National Children's Prize competition, a student occupies second place. The students also participated in the National Cultural Competition-2015 organized by Bangabandhu Shishu Kishore Mela, one student at the national level achieved 1st place on dance and one student earned second place in NazrulSangitt. In 2016, a student got first place in dance at national level. In 2019, three students participated at Jatio Shishu Porushkar competition at national level and one student got 1st position at Hamd-nat, another got 2nd position at SoraGan and another got 3rd position at Polligiti and Loko Sangit.

Bangabandhu's Birth Centenary Celebration

RDA has undertaken an initiative to commemorate birth centenary of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman and National Children's Day in 2020. It was observed on 17th March, 2020 with due respect under the direct supervision of Md. Aminul Islam, Director General, RDA, Bogura. Md. Aminul Islam, Director General, RDA along with others placed wreath at Bangabandhu Sheikh Mujib's portrait. All the faculty members and officials of RDA, Teachers and Students of RDA Laboratory School and College enthusiastically took part in the program.

Different Activities by RDA Lab School and College in 2021

21st February- 2021

21st February and International mother language day 2021 was observed in RDA Lab School and College, Bogura with due respect and solemnity under the direct supervision of Mr. Khalil Ahmed, Director General, RDA, Bogura. All the faculty members and officials of RDA, Teachers and Students of RDA Laboratory School and College enthusiastically took part in the program. To observe the day the School and College organizes an Academic Essay Competition, Drawing competition and discussion meeting for students virtually. By this patriotism and attachment to own language is increased within students.

Opinion Exchanging Meeting with Teacher

Mr.Khalil Ahmed, Director General, RDA, Bogura and Chairman of the Governing body RDA Lab. School and College, Bogura meet with the teachers of RDA Lab School and College Bogura in an

opinion exchanging meeting. In this meeting he gives his valuable opinion, also guide line and clear direction to the development of the institution.

Bangabandhu's Birth Centenary and National Children's Day Celebration

RDA has undertaken an initiative to commemorate birth centenary of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman and National Children's Day in 2021. It was observed on 17th march, 2021 with due respect under the direct supervision of Md. Khalil Ahmed, Director General, RDA, Bogura. On the occasion the College was decorated colorfully. Mr. Khalil Ahmed, Director General, RDA, Bogura inaugurated the function flying colorful balloons and cutting a special cake. Honorable DG sir gives prize bond of 1000/- Tk to 100 poor and meritorious students. He also starts the program of tree plantation by distributing medicinal and fruit tree to the poor students. Moreover he starts the Education Insurance within the students of the school and College. As part of the plan, the School and College organizes an Academic Essay Competition for students. To observe the day the School and College organizes an Academic Essay Competition, Drawing competition and discussion meeting for students virtually. These competition aims to encourage students to write academic essays on the historic and significant role of Bangabandhu as the master helmsman in forgoing a global perspective for a newly independent country, Bangladesh. Special discussion was held on the significance of the life of Bangabandhu Sheikh Mujibur Rahman for the students in the auditorium. 10 students of different classes read virtually three books of Sheikh Mujibur Rahman by 10 days to enrich their knowledge about Bongobondhu Sheikh Mujibur Rahman and also to heighten their respect for the father of the nation.

Independence Day Celebration : 26 March 2021

26 March of 2021 was observed in RDA Lab School and College, Bogura with due respect and under the direct supervision of Mr. Khalil Ahmed, Director General, RDA, Bogura. All the faculty members and officials of RDA, Teachers and Students of RDA Laboratory School and College enthusiastically took part in the program. To observe the day the School and College organizes an Academic Essay Competition, Drawing competition and discussion meeting for students virtually.

Kudsia Chowdhury Scholarship - 2021

RDA Lab School and College, Bogura gives Kudsia Chowdhury Scholarship to the students according to their result in the examination to increase the development in education and to grow the competitive attitude of the students. The Principal of RDA Lab School and College, Bogura inaugurated the function. Mr. Khalil Ahmed, Director General (Additional Secretary), RDA, Bogura was present in the function as the chief guest.

Bangabandhu Sheikh Mujibur Rahmans 46th Martyrdom Anniversary and National Mourning Day 2021 Celebration

August 15 is the 46th martyrdom of Father of the Nation, Bangabandhu Sheikh Mujibur Rahman. Virtual platform discussion, Drawing, Essay writing and Quiz competition are held on mourning the day. It is highly appreciated that students participated in the program spontaneously. Through this program students are informed the life style of the father of the nation, Bangabandhu Sheikh Mujibur Rahman, his fighting, spirit, love for the country and his leadership. Students are given different types of books written by Bangabandhu in different categories by the honorable DG Mr. Khalil Ahmed (Additional Secretary) of the RDA Bogura.

Engineering, Medical and University Admission Program

Very recently Admission coaching for Engineering, Medical and University program has been inaugurated the by the principal of Rural Development Academy (RDA) School and College, Bogura. This exceptional initiative has created an enthusiasm among the students and parents of the this institutions.

Scholarship for poor and meritorious students

After completing HSC form this institution, the students who are studying in various medical colleges and universities are given scholarship from poor found by the principal sheikh Shahriar Mohammad. The checks are handed over to the poor and meritorious students. Other teachers of the institution were present.

Talent Hunt Competition-2018:

Two students named SM Mushfiqur Rahman Mugdha and SM Shahnawaz of class Eight of RDA Laboratory School and College, Bogura took part in the Talent Hunt Competition-2018 and both of them secured first place at Upazilla and District level. SM Mushfiqur Rahman Mugdha took part from Group-A on Bangladesh Studies and Liberation War and SM Shahnawaz took part from the same group on Mathematics and Computer. It is mentionable that SM. Mushfiqur Rahman Mugdha secured second place at divisional level.

Scouting at RDA Lab. School and College

This institution has well-equipped scouts and girl-in-scout teams. The scout team has been rewarded in all the camps held at Upazilla, District, Regional, National and International levels. It's notable that among them some are achieving the first position at the national level. By the year 2018, 65 Scouts have won the President's Scout Award, the highest award of Bangladesh Scouts. It is also mentionable that 15 scouts out of 15 were able to earn President's Scout Award in 2018. 14 scouts appeared for President's Scout Award in 2019 and the result hasn't been published yet. Three scouts have already increased the glory of the institute by participating in international Jamboree in Japan and Malaysia. This year in 2019 two scouts attended at the 24th world Jamboree held at West Virginia, USA, during 22 July-02 August. The institute has a nice Red Crescent Team also. Both Red Crescent Team and Scout Team are working relentlessly for peace and in time of disaster and are increasing the glory of the institute.

Curriculum Based Projects with foreign schools under British Council

The students of RDA Laboratory School and College are doing curriculum based projects with different foreign schools under British Council. Project on 'Climate Change' is going on with Punsang Middle School, South Korea; 'Arts and Crafts' with Holy Family Convent National School, Sri Lanka; 'Agriculture' with Dakados Governmental Language School, Egypt; 'World Earth Day' with Zarmidine Preparatory School, Tunisia; 'Save Every Drop of Water' with Holy Family Convent National School, Sri Lanka. The students are exchanging their views and thoughts with the foreign students to enrich themselves.

Visit to foreign Countries for International Programmes

1. Seven students from RDA Laboratory School and College visited Lakshmiapat Singhanian Academy, Kolkata, India for International Friendship Development Program on 05-09 November, 2017. The students also took part in football and Cricket tournament there.

2. Six students from this institution took part in the Asian English Olympics-2018 held on 08-12 February, 2018 in Jakarta, Indonesia.
3. A cricket team of RDA Laboratory School and College took part in the 5th International School Cricket Premier League (ISCPL) held on 08-13 December, 2018 at City Montessori School, Kanpur Road, Lucknow, India.
4. Nine students from RDA Laboratory School and College visited Lakshmipat Singhania Academy, Kolkata, India for Curriculum based Projects and International Students' Exchange Visit Program from 21 September to 01 October, 2019.
5. Ten students from this institution took part in Confluence International -2019 and won the trophy held on 04-07 December, 2019 at City Montessori School, Kanpur Road, Lucknow, India.

Recognition for International Award:

1. RDA Laboratory School and College has gained 'International School Award, 2018-21' accredited by British Council for successful completion of curriculum based projects handed over on 6th November, 2019 in the presence of Mr. Mohibul Hassan Chowdhury, MP, Honourable Deputy Minister, Ministry of Education, Bangladesh as chief guest. Prof. Dr. Syed Md. Golam Faruk, Director General, Directorate of Secondary and Higher Education, Ministry of Education, Mr. Kanbar Hossein-Bor, Honourable British Deputy High Commissioner to Bangladesh, Mr. Adrian Chadwick, Regional Director, British Council, South Asia and Tom Miscioscia, Country Director, British Council, Bangladesh at Hotel Radisson Blu, Dhaka.
2. RDA Laboratory School and College has gained 'International School Award' accredited by ISA, Dubai for "School with Safest Environment" handed over on 16th December, 2019 in the presence of the Ambassador Dr. Deepak Vohra, Poland and Dr. Attaullah Wahidyar, Senior Advisor to Education Minister of Afghanistan at Amity University, Dubai.

All the above mentioned achievements are due to the contribution of RDA and RDA Lab. School and College authority and the Governing body as well. We truly tune into students' needs and provide them with the support they need to improve their skills at their own pace. Our teachers are hard picked; they take joy in teaching and have proven their dedication to our students. Rural Development Academy (RDA) School and College aims at all round growth and development of students' personality which comprises of physical, psychological, and intellectual faculties. Rural Development Academy (RDA) School and College has progressively been marching forward since its establishment and its individual characteristics are being luminous.

5.2.4 RDA Centers (Self Assisted)

5.2.4.1 Centre for Irrigation and Water Management (CIWM)

CIWM is specialized center for irrigation and water resources research focusing rural development. It mainly dealing with action research to find out appropriate solutions and replicable models for rural development which was established in 2003 to reach rural people with the benefits of RDA-developed irrigation and water management models within a very short time. The centre has transferred from project approach to programmatic approach to make the projects outcome sustainable and is continuing its past project activities.

Main activities and achievement

Research and Action Research: CIWM conducts action research by emphasizing irrigation and water management as means of improved agricultural practices for sustainable rural development. Since its inception, it has been continuing action research projects to generate additional employment opportunities in rural areas through irrigation and water management technologies. CIWM has already successfully completed seven action research projects and Replicating RDA-developed irrigation and water resources model at various organizations with their own fund and interest/request. Recent consultancy work is running by CIWM which are listed below.

Innovative Approach of Government for Urban Waste Management

In RAJUK Uttara Apartment Project (6636 flats) an innovative approach of waste management project named “Biological Treatment Plant for Sewage and Wastewater (STP), Solid Waste Management with Bio-digester to produce Energy and Quality Organic Manure including Rain Water Harvesting with Reservoir and Ground Recharging finally make Uttara Apartment Project, RAJUK, Dhaka more Green and Clean” is being implemented by CIWM, RDA, Bogura.

Under this approach rainwater harvested from rooftop will be subside in existing aquifer after treatment for uplifting groundwater level of the project area. Total sewage water will be managed in Sequential Batch Reactor (SBR) type Sewage Treatment Plant (STP). Here biological treatment takes place and the overflow water will be drained in existing stream after treatment. Source separation will be ensured in household level. The sediment of STP and the separated degradable waste will be managed in Bio-gas plant. Produced bio-gas will be used as cooking energy and best quality fertilizer will be produced from slurry comes out from bio-gas plant.

In the last financial year 2022-23 a total of **22** RDA-developed Water Resources Model (DTW with or without WTP) are implemented by different organizations by depositing full cost, which is presented in **Table-A1**. In the current financial year a total of **11** projects work is being going on (**Table-A2**).

On the other hand total **52** technical and financial proposals have been submitted to concern authority on the basis of request from different organizations which is presented in **Table-B**. After receiving the proposed project cost, the project will be implemented as per scheduled of work plan. CIWM, RDA, Bogura total **320** projects has been replicated as full cost in the different organizations of Bangladesh (**Table-C**).

RDA Credit Program

Supply of safe drinking water in rural areas is a critical problem in our country. In rural areas no subsidy is provided by the government for safe drinking water supply. Considering this issue as a national priority basis CIWM has developed a micro-finance model term as RDA-credit. The main objective of this model is to empower rural people in such a way so that they can become financially self dependent. As a result they can easily pay back the seed capital and water supply charges. To carry out varies income generating activities RDA-credit give support to the unemployed project beneficiaries. This support helps to improve their living standard as well is socio-economic level.

At a glance of RDA-Credit Programme: June, 2023

Sl. No	Key Points/ Activities	Progress
1.	Total Sub-Project Area (Nos.)	385
2.	Total Seed Capital Released (Tk. in lakh)	5481.68

Sl. No	Key Points/ Activities	Progress
3.	Cumulative Revolving Seed Capital (Tk. in lakh)	16985.2
4.	Total members involved in credit (Nos.)	30351
	A) Male	18397
	B) Female	11954
5.	Credit due for realization (Tk. in lakh) including service charge	17747.15
6.	Credit realized (Tk. in lakh)	16356.03
	A) Principal (Tk. in lakh)	14735.19
	B) Service charge (Tk. in lakh)	1620.87
7.	Out Standing (Tk. in lakh)	2497.52
	A) Principal (Tk. in lakh)	2250.01
	B) Service charge (Tk. in lakh)	247.50
8.	Realization of %	92.16

Overall Achievement of CIWM

1. RDA-developed technology has been extended at ten sites from the own income of CIWM. In this regard, a MoU is signed with the interested NGO/Samittee to deposit 10% of the total project cost as down payment and to pay the rest amount within one/two years at 11% interest.
2. Till date, a total of **128** persons have been employed from the own income of CIWM without any financial assistance of government. To put it another way, about **640** members of **128** families (5 members in each family) have ensured a comfortable livelihood.
3. In the current year, the Centre has provided Tk. 30.00 lakh to the revenue budget of the Academy.
4. Inter institutional linkage has been developed with various GOs (DAE, LGED, REB, DPHE, BMDA, JFCL, BICIC, NHA, RAJUK) and NGOs (BRAC, Proshika, GKF) by extending RDA-developed Irrigation and Water Management Technology.
5. The Model ensuring multipurpose use of water resource is getting more and more popularity day by day.
6. Water Resource Development Technology with training matched RDA-credit has changed the socio-economic status and improved the quality of livelihood of the rural people.

Recognition for CIWM Activities

- **Independence Award-2004** for extra-ordinary contribution to rural development more specifically by: (i) irrigation command area development through buried pipe technology (ii) innovation of multipurpose use of low cost DTW model (iii) development of arsenic-free safe water supply plant and (iv) development of technical protocol for commercial hybrid maize seed production in Bangladesh.
- **'Bangbandhu National Agricultural Award 1415 (Gold)'**-2010 by the present Government for the recognition of CIWM's achievement (Innovation of Environmental Agricultural Technology).
- **AARDO-Rural Development Award 2012**, New Delhi, India; March, 2012- This Award is

bestowed on Rural Development Academy from Bangladesh in recognition of its outstanding contribution in the field of Rural Development.

Observation

1. CIWM philosophy: After competition of Irrigation and Water Development Projects, 'Project to Programmatic Approach' through continuing field level activities for helping/achieving of SDG targets **(Table-D)**.

Table A1: Model replication in 2022-23 (Completed Up to June'2023)

Sl. No	Name of Project	Nature of Work	Funded by
1.	Titas 50 MW Power Plant, Titas, Cumilla.	Observation Well, DTW & R.O with WTP	GO
2.	BSCIC Industril State at Narsingdi	Observation Well, DTW, Pump House	GO
3.	Cornel Malake Medical College & Hospital (500 Bed) at Manikgonj.	WTP	GO
4.	BSCIC Industrial Estate, Bhairab at Kishoreganj	DTW, Pump House	GO
5.	Sirajgonj Palli Bidyut Samity-1, Ullapara, Sirajgonj.	WTP Servicing	GO
6.	Ghorashal Polash Fertilizer PLC (GPFPLC) Housing Colony at Ghorashal,	DTW Servicing	GO
7.	Siddhirgonj Thermal Power Station, Siddhirgonj, Narayongonj	2Nos Observation Well, DTW, Pump House	GO
8.	Dhaka Palli Bidyut Samity-2 at Panaliea, Nowabganj Dhaka.	DTW	GO
9.	Ghorashal Thermal Power Plant, Narsingdhi	2 Nos DTW	GO
10.	Shajadpur Grid Sub-station at Shajadpur, Sirajgonj under GMD Ishwardi.	WTP Servicing	GO
11.	Pashchimanchal Gas Company Ltd. at Nalka, Sirajgonj	DTW, WFP, Ground Reservoir	GO
12.	Naogaon Palli Biddut Samitte-2 at potinatola Naogaon	WTP, Ground Reservoir	GO
13.	Shaheed M Monsur Ali Medical College and 500 Bedded Medical College Hospital at Sirajganj	WTP, Aeration Tamk, Pump House	GO
14.	Patuakhali Palli Bidyut Samity.	WTP Servicing	GO
15.	Palli Biddut Samity, Habigonj	WTP Servicing	GO
16.	Institute of Marin Technology, Sirajgonj	DTW/WFP	GO
17.	CCCC Bangabandhu Bridge-CCCC Office Area	WTP Servicing	GO
18.	CCCC Bangabandhu Bridge-East TCR Building Area	WTP Servicing	GO
19.	CCCC Bangabandhu Bridge-West TCR Building Area	WTP Servicing	GO
20.	CCCC Bangabandhu Bridge-East Police Station Area	WTP Servicing	GO
21.	CCCC Bangabandhu Bridge-West Police Station Area	WTP Servicing	GO
22.	CCCC Bangabandhu Bridge-CCCC Housing Area	WTP Servicing	GO

Table A2: Model replication (On-going)

Sl. No	Name of Project	Nature of Work	Funded by
23.	Sopno Nagar Under National housing authority, Segunbagicha, Dhaka.	DTW, WTP, R.O, Bio-gas Plant, RWH, Pipe line	GO
24.	Rangpur Sugar Mills Ltd. at Sahebgang Fram, Gobindaganj, Gaibandha.	DTW, Pipe Line	GO
25.	Uttara Apartment Project, Rajuck, Dhaka	Solid Waste Management, STP	GO
26.	48 Nos. residential flat project at 84 and 95 panchlaish R/A Chattogram	Sewage water Treatment Plant (STP)	GO
27.	Noakhali Palli Bidyut Samity at Begumgonj, Noakhali	Observation Well, DTW & WTP	GO
28.	Chattogram Urea Fertilizer Factory Ltd. (CUFL) Rangadia, Chattogram	2Nos DTW	GO
29.	Technical Training Center (TTC) at Chandpur Sadar, Chandpur	WTP, Ground Reservoir, RO Shed	GO
30.	Technical Training Center (TTC) at Paikegacha, Khulna	WTP, Ground Reservoir, RO Shed	GO
31.	Technical Training Center (TTC) at Manikganj	WTP, Ground Reservoir	GO
32.	RAB-12 Headquarter, Sirajgonj	WTP Servicing	GO
33.	Laxmipur Palli Biddut Samitte Campus at Laxmipur.	WTP Servicing	GO

Table- B: Proposal submitted to different agencies

Sl. No	Name of project	Nature of work	Funded by
1.	Bangladesh Glass Factory at Barokund, Sitakunda, Chattogram	5 Nos DTW & P/H	GO
2.	Bangladesh Glass Factory at Barokund, Sitakunda, Chattogram	5 Nos Observation Well	GO
3.	Palli Bidyut Samity, Bogura.	WTP Servicing	GO
4.	BCS Administration Academy at Dhaka.	15000 litre WTP	GO
5.	Resettlement Village Development Project, Uttara, Dhaka.	WTP, Sewage Treatment Plant, Solid Waste Management, Rain water Harvest	GO
6.	Barishal Metropolitan and Khulna District Police Line Project at Barishal	Observation Well, DTW, WTP, R.O	GO
7.	Barishal Metropolitan and Khulna District Police Line Project at Khulna	O/W, DTW, WTP, R.O	GO
8.	PBS, Rupatoli, Barishal	DTW, WTP	GO
9.	PBS-2, Raujan, Chottogram	DTW, WTP	GO
10.	National Academy for Computer Training and Research at Bogura	DTW	GO
11.	Cornel Malake Medical College & Hospital (500 Bed) at Manikgonj.	WFP	GO

Sl. No	Name of project	Nature of work	Funded by
12.	Horipur 100 MW Gas Turbine Power Station at BPDB, Horipur, Narayongonj.	Observation Well, DTW, Pump House	GO
13.	Jeshore Palli Biddut Samity-2 at Manirampur, Jashore	WFP, R.O, Ground Reservoir	GO
14.	Sher-e-Bangla Agricultural University (SAU) at Dhaka	DTW	GO
15.	Begum Amina Monsur Textil Engineering Institute at Kazipur, Sirajganj	WFP, Ground Reservoir, Pump House	GO
16.	Naogaon Palli Biddut Samitte-1 at Chakbiram, Naogaon	WFP Servicing	GO
17.	Bangladesh Livestock Research Institute (BLRI) at Savar Dhakai.	Pump with Motor supply & Installation	GO
18.	Bangladesh Agriculture University, Mymensingh-DTW	DTW	GO
19.	University Grants Commission of Bangladesh, Residence Area at Dhaka	Observation Well, DTW	GO
20.	Pbs, Chandura Gazipur	2 DTW, Pump House	GO
21.	Shazibazar 330MW Combined Cycle Power Station, Shazibazar, Hobigonj.	2 DTW, Pump House	GO
22.	Technical Training Centre (TTC), Khulna.	WFP, Ground Reservoir	GO
23.	Muktarpur Bridge at Munshiganj	DTW.WTP	GO
24.	Bogura PBS -2, Bogura	WFP, Ground Reservoir	GO
25.	Gopalganj PBS, Gopalganj	DTW.WTP	GO
26.	BRDB Cumilla	WTP Instillation	GO
27.	GMD, PGCB Iswardi	WFP Servicing	GO
28.	Siddhirgonj Thermal Power Station, Siddhirgonj, Narayongonj	DTW Servicing	GO
29.	Sheikh Rasel Textile Engineering College at Sylhet	WTP Ground Reservoir	GO
30.	Naogaon Palli Biddut Samitte-2 at potinatola Naogaon	WTP Ground Reservoir	GO
31.	Hobiganj PBS	DTW Servicing	GO
32.	BSCIC Industril State at Narsingdi	Observation Well, DTW, Pump House	GO
33.	PBS Manikganj	WFP Servicing	GO
34.	BSCIC Chemical Industrial Park, Munshiganj	DTW, Pump House	GO
35.	PBS-2, Chandpur at Baburhat	WFP, Ground Reservoir	GO
36.	Divisional Commissioner's Office at Alampur, Sylhet	WFP, Cascade Tray, Plant operator House Vessel foundation, Pipe Line	GO
37.	Sylhet Circuit House at Sylhet	WFP, Modification of Existing Ground Reservoir, Vessel foundation,	GO
38.	Noakhali Science and Technology University at Noakhali	WFP Servicing	GO
39.	Madaripur Palli Bidyut Samity at Mostofapur, Madaripur.	DTW, WTP, Ground Reservoir with Cascade tray	GO
40.	Patuakhali Palli Bidyut Samity.	WTP Servicing	GO

Sl. No	Name of project	Nature of work	Funded by
41.	BSCIC Industrial Park, Gorai, Mirzapur at Tangail	DTW, Pumpe House	GO
42.	Technical Training Centre at Chandpur Sadar, Chandpur	WFP,Reverse Osmosis, Ground Reservoir	GO
43.	Noyapara Zonal Office under Chattogram PBS-2 at Rujan, Chattogram	DTW	GO
44.	Gopalgonj Islamic Foundation Complex Construction Project at Horidaspur, Gopalgonj	DTW,WTP,Ground Reservoir with Cascade tray, Pump House	GO
45.	CCCC Bangabandhu Bridge O & M Project Site Office	6 Nos WTP Servicing	GO
46.	RAB-12, Batelian Campas, Sirajgonj	WTP Servicing	GO
47.	BSCIC Industries at Thakurgaon.	Observation Well, DTW, Pump House & Pipe Line Network	GO
48.	Technical Training Centre (TTC), Manikgonj.	WFP,Ground Reservoir	GO
49.	Technical Training Centre (TTC), Paikgacha, Khulna.	WFP,Ground Reservoir	GO
50.	Narayangonj Palli Bidyut Samity-1 at Changail, Sonargaon, Narayangonj	WTP Servicing	GO
51.	Narayangonj Palli Bidyut Samity-1 at Changail, Sonargaon, Narayangonj	DTW	GO
52.	Pbs-2, Sirajgonj at Sialcole,Sirajgonj	WFP Servicing	GO

DTW - Deep Tube Well; WTP - Water Filtration Plant; RO - Rivers Osmosis;
O/W - Observation Well; P/H - Pump House

Table-C: Model replication as on June'2023

Sl. No	Name of Project	Nature of Work	Remarks
1.	50 MW Peaking Power Plant, Bagabaria, Sirajgonj	WTP/ Ground Reservoir	GO
2.	100 MW Peaking Power Plant, BPDP, Gopalgonj	DTW,WFP, Ground Reservoir	GO
3.	150 MW Combined Cycle Power Station, Sylhet	DTW	GO
4.	230 KV Switching Station, Sirajgonj	DTW & WFP	GO
5.	50 MW Peaking Power Plant, Bagabaria, Sirajgonj	WFP/ Ground Reservoir	GO
6.	660 MW X 2 Coal Based Power Station, Rampal, Bagerhat	DTW	GO
7.	660 MW X 2 Coal Based Power Station, Rampal, Bagerhat (2nd phase)	R.O	GO
8.	70 MW Piking Power Station, Power Development Board, Bara, Pabna	GR	
9.	Abdul Momen Economic Zone, Gozaria, Munshigonj	DTW,WFT,GR,PL	GO
10.	ACI-RDA Joint Research RDA, Bogura	DTW,	GO
11.	Agricultural Research Foundation	DTW	GO
12.	Ahmedpur, Sujanagar, Pabna	WFP	GO
13.	Alenga Resord Ltd, Alenga, Tangail	DTW,WFP	GO

Sl. No	Name of Project	Nature of Work	Remarks
14.	Alinagar, Gomostapur, Chapai Nowabgonj	WFP	GO
15.	Aman Company, Mohonpur, Rajshahi	DTW & WFP	Private
16.	Aman Company, Ullapara, Sirajgonj	DTW & WFP	Private
17.	Aqua Breeds Project, Majipara, Panchagar	DTW	Private
18.	Aristocrat Hotel, Sirajgonj	WFP	Private
19.	Aysa Abed Foundation, Manikganj, Bangladesh Rural Advance Committee; BRAC.	DTW & WFP	NGO
20.	Baghabari Gas Turbine (GT) power station, Sirajgonj; BPDB.	DTW & WFP	GO
21.	Bangladesh Fisheries Research Institute, Bagherhat	WFP	GO
22.	Bangladesh Fisheries Research Institute, Chandpur	WTP	
23.	Bangladesh Fisheries Research Institute, Mymensingh.	DTW	GO
24.	BanghBandhu Bridge Area	WTP	
25.	Bangladesh Power Development Board, Khalishpur, Khulna	DTW	GO
26.	Bangladesh Agricultural University, Mymensingh	Flow Measurement Tank	
27.	Bangladesh Agricultural University, Mymensingh (DTW NO-4)	DTW	
28.	Bangladesh Agricultural University, Mymensingh (DTW NO-5)	DTW	
29.	Bangladesh Agriculture University, Mymensingh (DTW NO-3)	DTW	GO
30.	Bangladesh Agriculture University, Mymensingh-DTW NO-2	DTW	
31.	Bangladesh Agriculture University, Mymensingh-DTW NO-1	DTW	GO
32.	Bangladesh Bank Agrabad, Chattogram	DTW	GO
33.	Bangladesh Bank Office Complex, Chattogram	DTW	GO
34.	Bangladesh Fisheries Research institute, Jashore	WFP	GO
35.	Bangladesh Livestock Research Institute (BLRI) Saver (Central Cow Breeding Centre);	DTW	GO
36.	Bangladesh Livestock Research Institute (BLRI), Baghabari;	DTW & WFP	GO
37.	Bangladesh Livestock Research Institute (BLRI), Savar Bio-gas plant establishment unit ministry of Livestock and fisheries	Bio-gas	GO
38.	Bangladesh Livestock Research Institute (BLRI), Savar; Dhaka	DTW	GO
39.	Bangladesh Livestock Research Institute (BLRI) Cumilla (Vaccine Production Centre);	DTW & WFP	GO
40.	Bangladesh Livestock Research Institute(BLRI), Bagabari, Sirajgonj	WFP	GO
41.	Bangladesh NGO foundation, Dhunot, Bogura	DTW/,WTP	
42.	Bangladesh Rice Research Institute BRRI, Gazipur;	DTW	GO
43.	Bangladesh Rural Advance Committee, Fish Hatchery Farm, Sreemongal; BRAC.	DTW & WFP	NGO

Sl. No	Name of Project	Nature of Work	Remarks
44.	Bangladesh Rural Advance Committee BRAC, Poultry Farm, Mirsari, Chattogram;	DTW & WFP	NGO
45.	Bangladesh Rural Advance Committee, Poultry Farm, Sreemongal; BRAC.	DTW & WFP	NGO
46.	Bangladesh Rural Advance Committee, TARC, Faridpur; BRAC	WFP	NGO
47.	Bangladesh Rural Advance Committee-UNICEF Village Sonargaon, Dhaka; BRAC.	DTW & WFP	NGO
48.	Bangladesh Small Scale Industries Corporation (BSCIC) State, Pabna	DTW	
49.	Bangladesh Small Scale Industries Corporation (BSCIC), Kanchpur, Narayongonj	DTW	GO
50.	Bangladesh Small Scale Industries Corporation (BSCIC), Noakhali	WFP	GO
51.	Bangladesh Small Scale Industries Corporation (BSCIC), Rangamati	Dug/WFP	GO
52.	Bangladesh Small Scale Industries Corporation (BSCIC) BSCIC, Kishoregonj	DTW/WFP	GO
53.	Bangladesh Small Scale Industries Corporation (BSCIC) BSCIC, Munshigonj	DTW/WFP	GO
54.	Bangladesh Small Scale Industries Corporation (BSCIC) BSCIC, Sherpur	WFP	GO
55.	Bangladesh Sugarcane Research Institute, Iswardi, Pabna	DTW	GO
56.	Bangladesh University Grant Commission, R/A, Mirpur, Dhaka; BUGC	DTW	GO
57.	Bangladesh Water Development Board, Narayangonj	DTW & WFP	GO
58.	Bangle Meat Production Ltd. Sathia, Pabna	DTW & WFP	Private
59.	Bangobandhu Bridge Special organization Tangail	WFP	NGO
60.	Bangobandhu Jamuna Bridge (East and West)	WFP	GO
61.	Bangobandhu Sheikh Mujibur Rahaman Agricultural University, Salna, Gazipur.	DTW	GO
62.	Bangobandhu: Sheikh Mujibur Rahaman Agricultural University (BSMRAU), Salna, Gazipur (2nd Phase)	DTW	GO
63.	Bangobandhu: Sheikh Mujibur Rahaman Science and Technology University, Gopalganj	DTW/WFP	GO
64.	Bangobandhu: Sheikh Mujibur Rahaman Science and Technology University Gopalganj 2 nd phase	DTW/WFP	
65.	Bheramar Power Station, Kustia; BPDB.	DTW	GO
66.	BIAM Foundation, Bogura	DTW	GO
67.	Boyra daiary and poultry farm Balkuche, Sirajgonj	DTW	
68.	BRAC Agriculture Research and Development Center, Gazipur	DTW	NGO
69.	BRAC, TARC, Pirer bazar, Sylhet	DTW	NGO

Sl. No	Name of Project	Nature of Work	Remarks
70.	Bufflow development project, Bagerhat (Livestock Department)	DTW	GO
71.	Chandaikona, Raygonj, Sirajgonj	DTW	Private
72.	Chandnia, Shibgonj, Bogura	WFP	Private
73.	Chapai Nawabgonj Purashava, Chapai Nawabgonj; DPHE	DTW	GO
74.	Chapainawabgonj Palli Biddut Samity, Chapainawabgonj; PBS	WFP	GO
75.	Chatob-Borat, Shatia, Pabna	DTW,WFP	GO
76.	China-Bangladesh Friendship	DTW&WFP	GO
77.	Chittagong Urea Fertilizer Limited, Rangadhia, Chattogram	DTW	GO
78.	Civil Cornar Baitul Aman Society Andabar, Dhaka	WFP	Private
79.	Dack Bangla Para, Shahjadpur, Pabna	WFP	Private
80.	Dharki, Sadar, Joypurhat	WFP	NGO
81.	Energies Power Corporation Ltd., Mascot Plaza, Dhaka	DTW	Private
82.	Energis Power Corporation LTD, Shikalbaha, Chattogram	DTW	Private
83.	ENT Foundation, Agargaon, Dhaka	DTW	Private
84.	EPZ Kornofuly	DTW	GO
85.	Fenchugonj Combined Cycle Power Station, Fenchugonj , Sylhet	DTW	GO
86.	Flaming Agro Tech Ltd. Tilokpur, Joypurhat	DTW	Private
87.	Food Village Campus, Sherpur, Bogura	DTW/WFP	Private
88.	Gabtole Health Complex, Gabtole, Bogura	WFP	GO
89.	Gas Transmission Company Ltd. (GTCL), Monhorde, Narsingdhi	DTW	GO
90.	Gas Transmission Company Ltd. (GTCL), Ashugonj, B.Baeia	DTW	GO
91.	Gas Transmission Company Ltd. (GTCL), Demra, Dhaka	DTW	GO
92.	Gas Transmission Company Ltd., (GTCL), Baghabari, Sirajgonj;	DTW & WFP	GO
93.	Ghorashal Thermal Power Plant, Narsingdhi	DTW	GO
94.	Ghorashal Thermal Power Plant, Narsingdhi (2nd Phase)	DTW	GO
95.	Ghorashal Urea Fertilizer Factory, Narsingdhi	DTW	GO
96.	GMD,PGCB Power grid Company, Dhekin Keranigonj, Dhaka	DTW	GO
97.	GMD,PGCB Power grid Company, Sonargaon, Narayongonj	DTW/WFT	GO
98.	GMD,PGCB, Sub-Station, Shajadpur, Sirajgong	DTW,WFP	GO
99.	Gobindapur, Kachua, Chandpur	WFP	GO
100.	Hazi mujib foundation Komolgonj, Moulouvibazar	DTW	
101.	Homna pauroshova Cumilla	DTW & WFP	GO

Sl. No	Name of Project	Nature of Work	Remarks
102.	Horipur 360 MW Combine Cycle Power Station, Horipur, Siddirgonj, Narayongonj	DTW	
103.	Hossainpur, Sirajgonj	DTW & WFP	GO
104.	Institute of Marin Technology, Sirajgonj	DTW/WFP	
105.	Jaghati, Sadar, Jashore	WFP	GO
106.	Jalalabad Gas Transmission and Distribution Ltd., Sylhet	WFP	GO
107.	Jamuna Fertilizer Company Ltd. (JFCL), Tarakandi, Jamalpur.	DTW & WFP	GO
108.	Jamuna Multipurpose Bridge Area (Alanga) JMBA	DTW & WFP	GO
109.	Jamuna Multipurpose Bridge Area (East) JMBA	DTW & WFP	GO
110.	Jamuna Multipurpose Bridge Area (Nolka) JMBA	DTW & WFP	GO
111.	Jamuna Multipurpose Bridge Area (west) JMBA	DTW & WFP	GO
112.	Jamuna Multipurpose Bridge Rehabilitation Area (East) JMBA	DTW & WFP	GO
113.	Jamuna Multipurpose Bridge Rehabilitation Area (West) JMBA	DTW & WFP	GO
114.	Jamuna Multipurpose Bridge Thana Complex (East) JMBA	DTW & WFP	GO
115.	Jamuna Multipurpose Bridge Thana Complex (West) JMBA	DTW & WFP	GO
116.	Joysagor Fish farm, Sirajgonj	DTW	NGO
117.	Kalmia, Laksham, Cumilla	WFP	Private
118.	Kanighat, Sylhet	WFP	Private
119.	Karnofuly EPZ, Patenga, Chattogram	DTW & WFP	GO
120.	Madna Parchimpara, Chuadanga	WFP	GO
121.	Marge Net One Limited JMBA Area	WFP	GO
122.	Matin Cotton Mills, Shialkhol, Sirajgonj	DTW & WFP	Private
123.	Milk production Project, (General)	DTW	GO
124.	Mohamadnagar, Companigonj, Noakhali	WFP	Private
125.	Mohasthan Mazar, Bogura	DTW	NGO
126.	Monu and Muhuri River Survey	Surveying	GO
127.	Mr. Abdus Salam, Kalsamati, Sherpur, Bogura	DTW	Private
128.	Mr. Alauddin, Damua DTW Project	DTW	Private
129.	Mr. Azad, Araibari, Kashba, B-Baria	DTW	Private
130.	Mr. Golam Mostafa, Daribangra, Sherpur, Bogura	DTW	Private
131.	Mr. Yunus Ali, Shibpur DTW Project	DTW	Private
132.	Mr. Zonab Ali, Kalshimaty DTW Project	DTW	Private
133.	National Academy for Training, Research & Multilingual Short Hand Bogura; NATRMS	DTW	GO
134.	National Heart Foundation Hospital, Dhaka	DTW	GO
135.	Nefra, Ulipur, Kurigram	WFP	GO

Sl. No	Name of Project	Nature of Work	Remarks
136.	Noiagola, Chapainawabgonj	DTW	GO
137.	North West Power Generation Company Ltd., Khulna	DTW	GO
138.	Northern Poultry Farm, Sabgram, Bogura	WFP	Private
139.	Omera LPG bottling plant Dhonkunthi, Sherpur, Bogura	DTW	Private
140.	Palash Urea Fertilizer factory, Norshingdi	DTW	GO
141.	Palashbari Upzilla Parishad, Gaibandha	WFP	GO
142.	Palli Bidyut samittee, Zhilongza, Cox's Bazar	DTW, WFP	GO
143.	Palli Biddut Samittee, Thikrabondah, Khulna	DTW	GO
144.	Palli Biddut Samity-1, Cumilla	WFP	GO
145.	Palli Biddut Samity, Gaibandha	DTW	GO
146.	Palli Biddut Samity, Narayongonj	DTW,WTP	GO
147.	Palli Biddut Samity, Belkuchi, Sirajgonj;	DTW & WFP	GO
148.	Palli Biddut Samity, Gaibandha	WFP	GO
149.	Palli Biddut Samity, Habigonj	WFP	GO
150.	Palli Biddut Samity, Jhalokhati	WFP	GO
151.	Palli Biddut Samity, Lalmonirhat	WFP	GO
152.	Palli Biddut Samity, Manikgonj	WFP	GO
153.	Palli Biddut Samity, Moulvibazar.	DTW & WFP	GO
154.	Palli Biddut Samity, Munshigonj;	WFP	GO
155.	Palli Biddut Samity, Naogaon;	DTW & WFP	GO
156.	Palli Biddut Samity, Norshindi;	DTW & WFP	GO
157.	Palli Biddut Samity, Rajbari	WFP	GO
158.	Palli Biddut Samity, Sirajgonj	WFP	GO
159.	Palli Biddut Samity, Sirajgonj;	WFP	GO
160.	Palli Biddut Samity, Ullapara, Sirajgonj	WFP	GO
161.	Palli Biddut Samity-1, Savar, Dhaka	DTW	GO
162.	Palli Biddut Samity-2, Cumilla	WFP	GO
163.	Palli Biddut Samity-2, Kashinathpur, Pabna;	DTW & WFP	GO
164.	Palli Bidyut Sammiyte, Bhola	DTW	GO
165.	Paschimanchal Gas Co. Ltd, Baghabari, Sirajgonj	DTW	GO
166.	Pathrail, Delduar, Tangail	WFP	GO
167.	Paykegacha Porosova, Pykegacha, Khulna.	WFT	NGO
168.	Project in Agriculture, rural industries, Science and Medicine	Water Test	GO
169.	PROSHIKA Training Centre, Kyttee, Manikganj; PROSHIKA	DTW & WFP	NGO
170.	Purba Homna, Cumilla	WFP	GO
171.	RAB-12, Batelian Campas, Sirajgonj	DTW/WFP	GO

Sl. No	Name of Project	Nature of Work	Remarks
172.	Raghunathpur, Sadar, Chandpur	WFP	GO
173.	Rashid Krishi Khamar, Trishal, Mymensingh	DTW&WFP	Private
174.	RDA Fisheries Unit, Bogura	DTW	GO
175.	RDRS, Koshba, B-Baria	DTW	NGO
176.	Regional foundation Centre, Nodhapara	DTW	GO
177.	Rural Development Academy, Bogura	DTW	GO
178.	Rural Development Training Institute, Sylhet; RDTI	DTW	GO
179.	Rural Electrification Board Narayangonj	DTW/WFP	GO
180.	Rural Electrification Board, Barishal;	DTW & WFP	GO
181.	Rural Electrification Board, Jashore	WFP	GO
182.	Rural Electrification Board, Joypurhat	DTW	GO
183.	Rural Electrification Board, Manikgonj	WFP	GO
184.	Rural Electrification Board, Rajshahi;	WFP	GO
185.	Rural Electrification Board, Rangpur;	DTW	GO
186.	Rural Electrification Board, Tangail	DTW	GO
187.	Sadabari, Dhanghara, Chuadanga	WFP	GO
188.	Satian, Mirpur, Kustia	WFP	GO
189.	Sayed Spinning & Cotton Mills Ltd., Sirajgonj	WTP	Private
190.	Seed Certification Agency, Joydevpur, Gazipur	DTW	GO
191.	Seed Quality Control Project,, Joydevpur, Gazipur	DTW	GO
192.	Shahjalal Science and Technology University, Sylhet	DTW	GO
193.	Shahjalal University of Science and Technology, Sylhet	WFP	GO
194.	Shamsuddin Spinning Mills Ltd.	DTW	Private
195.	Sheikh Fajilatunnesa Eye Hospital, Gopalganj	DTW	GO
196.	Sherpur Upzilla Office, Bogura	DTW	GO
197.	Shiddirgonj Thermal Power Point, Narayangonj	DTW	GO
198.	Shiddirgonj Thermal Power Station, Narayangonj (2nd Phase)	DTW	
199.	Shikdarpara, Pekua, Cox's Bazar	WFP	GO
200.	Sreepur, Fulgazi, Feni	WFP	GO
201.	Sumon Enterprise, Bogura	WFP	Private
202.	Switching Station Ashugonj, B. Baria (GTCL)	DTW	GO
203.	Sylhet Agricultural University, Sylhet	DTW	GO
204.	Technical Training Centre (TTC), Alampur, Sylhet	WFP	GO
205.	Technical Training Centre (TTC), Bandarban.	DTW	GO
206.	Technical Training Centre (TTC), Gaibandia	DTW,WFP	GO
207.	Technical Training Centre (TTC), Gopalganj	DTW	GO

Sl. No	Name of Project	Nature of Work	Remarks
208.	The Security Printing Corporation Bangladesh Limited, Gazipur	DTW	GO
209.	TSP Complex, Patenga, Chattogram	OB	GO
210.	Urea Fertilizar Factory LTD, Ghorashal	DTW	GO
211.	Vaduria, Nawabgonj, Dinajpur	WFP	GO
212.	Wes Gas Ltd. Nolka, Sirajgonj	WFP	GO
213.	World Vision, Bogura	DTW	NGO
214.	Youth Training Centre, Bogura	DTW	GO
215.	Active Pharmaceutical Ingredient(API), Gozaria, Munshigonj	DTW	GO
216.	Bibiyana-South 400MW Combined Cycle Power Plant Campus, Nabigonj, Hobigonj-1.	DTW, WTP, GR	GO
217.	Bibiyana-South 400MW Combined Cycle Power Plant Campus, Nabigonj, Hobigonj-2.	DTW, WTP, GR	GO
218.	BSCIC State Mirarshorai, Chattogram	O/W, DTW	GO
219.	Pairst 1320 MW Thermal Power Plant Campus at Kolapara, Patuakhali-1	OW,DTW,WFP	GO
220.	Pairst 1320 MW Thermal Power Plant Campus at Kolapara, Patuakhali-2	OW,DTW,WFP	GO
221.	Shajalal University of Science & Technology, Sylhet	DTW	GO
222.	Siddhirgonj Thermal Power Station, Siddhirgonj, Narayongonj-DTW- 3.	DTW	GO
223.	Siddhirgonj Thermal Power Station, Siddhirgonj, Narayongonj-DTW- 4.	DTW	GO
224.	BSCIC State, Sreemongal	WTP	GO
225.	Multi-Lane Tunnel under the Karnaphuli River Project at Chattogram	DTW-4,WFP,RO	GO
226.	BSCIC State, Chuadanga	OW, DTW	GO
227.	BSCIC State, Dhamri, Dhaka	DTW	GO
228.	BSCIC Gopalganj	O/W,DTW,WFP	GO
229.	Sikalbaha 225 MW Dual Fuel CCGT Consttuction Project,BPDB at Sikalbaha, Chattogram.	O/W, DTW	GO
230.	Sikalbaha 225 MW Dual Fuel CCGT Consttuction Project,BPDB at Sikalbaha, Chattogram.	Pipe Line	GO
231.	Palli Biddut Samitte, Laxmipur	DTW,WFP,GR	GO
232.	Shahjalal University of Science and Technology, Sylhet	WFP	GO
233.	Syed Spinning & Cotton Mills Ltd. Shialkol, Sirajganj.	WTP(Servicing)	GO
234.	10 KW F.M Radio Station, Gopalganj	DTW,WTP	GO
235.	Fenchugonj Combined Cycle Power Station, Fenchugonj, Sylhet.	DTW (Servicing)	GO
236.	Palli Biddut Samitte,Hobigonj	WTP (Servicing)	GO
237.	Palli Biddut Samitte,Mouloubibazar	WTP (Servicing)	GO

Sl. No	Name of Project	Nature of Work	Remarks
238.	Palli Biddut Samity, Belkuchi, Sirajgonj;	WTP (Servicing)	GO
239.	Palli Biddut Samitte, Chattogram.	WTP	GO
240.	Bangobandhu: Sheikh Mujibur Rahaman Science and Technology University, Gopalganj.	WFP (Servicing)	GO
241.	50 MW Peaking Power Plant, Bagabaria, Sirajgonj	WFP(Sercicing)	GO
242.	Bangladesh Livestock Research Institute (BLRI), Bagabari, Sirajgonj.	DTW	GO
243.	132/33 KV Grid Sub-Station, Khulshi, Chattogram	DTW, WFP, RO	GO
244.	132/33 KV Grid Sub-Station, Patenga, Halishahar,, Chattogram	DTW, WFP, RO	GO
245.	Palli Biddut Samitte, Ullapara, Sirajgonj	WTP (Servicing)	GO
246.	Urea Fertilizer Factory, Ghorashal	DTW(Servicing)	GO
247.	Trauma Center at Gopalganj	DTW, WTP	GO
248.	Ghorashal Thermal Power Station at Polash, Narsingdi.	DTW	GO
249.	Palli Biddut Samitte, Hazigonj, Chandpur	DTW, WTP, PH	GO
250.	DAP Fertilizer Compan Ltd. At Housing Colony Rangadia, Anowara, Chattogram	O/W, DTW & PH	GO
251.	Northwest Power Generation Company Ltd. Khulna	O/W, DTW	GO
252.	Palli Kanon, Uttara, Dhaka	DTW	GO
253.	Narail Zonal Office at Narail Under Jashore PBS-2.	DTW	GO
254.	Bangladesh Livestock Research Institute (BLRI), Faridpur.	DTW	GO
255.	Sylhet Palli Biddut Samitte-1, Sylhet	WTP	GO
256.	Bogura Sylhet Palli Biddut Samitte-1, Mokamtola Zonal office.	WTP	GO
257.	BSCIC Sreemongole	WTP	GO
258.	230 KV Switching Station, Sirajgonj	WFP Servicing	GO
259.	Bangladesh Fisheries Research Institute, Chandpur	WFP Servicing	GO
260.	70 MW Piking Power Station, Power Development Board, Bara, Pabna	WFP Servicing	GO
261.	Jamuna Multipurpose Bridge Area (East) JMBA	WFP Servicing	GO
262.	Bangladesh Livestock Research Institute (BLRI), Rajabari Hat Godagari, Rajshahi.	DTW	GO
263.	PBS Patuakhali	DTW, WTP	GO
264.	PBS Shatkhira	DTW, WTP	GO
265.	Bangladesh Sugarcrop Research Institute (BSRI), Subornochar, Noakhali	O/W, DTW, Burid pipe	GO
266.	Palli Biddut Samity, Ullapara, Sirajgonj.	WFP	GO
267.	Chattogram Palli Bidyut Samity-3 at Sitakundo, Chottogram	DTW, WTP, GR & PH	GO
268.	132/33 KV Grid Sub-Station, Fultola Bazar, Shitakunda, Chottogram	WTP, GR & RO shed	GO

Sl. No	Name of Project	Nature of Work	Remarks
269.	DAP Fertilizer Compan Ltd. At Housing Colony Rangadia,Anowara, Chattogram	O/W,DTW & PH	GO
270.	Pbs-2, Sirajgonj at Sialcole,Sirajgonj	WFP Servicing	GO
271.	Fenchugonj Combined Cycle Power Station, Fenchugonj , Sylhet	DTW	GO
272.	Jamuna Fertilizer Company Ltd. (JFCL), Tarakandi,Jamalpur.	2 Nos DTW	GO
273.	Strengthening of Hilsha Research in Rivering Station at Chandpur	DTW	GO
274.	Bibiyana-South 400MW Combined Cycle Power Plant Campus,Nobigonj,Hobigonj.	WFP Servicing	GO
275.	Palli Biddut Samity-2, Kashinathpur, Pabna.	WFP Servicing	GO
276.	Polas Urea Fertilizar Factory LTD, Polas, Narsindhi.	DTW & P/H	GO
277.	Narayongonj PBS , Narayongonj	WFP Servicing	GO
278.	Chattogram Urea Fertilizer Factory Ltd. (CUFL) Rangadia, Chattogram.	6 Nos O/W& 2Nos DTW	GO
279.	Palli Biddyut samittee, Zhilongza, Cox's Bazar	WFP Servicing	GO
280.	Bangladesh Power Station,BPDB at Baghabari, Sirajgoaj	WFP Servicing	GO
281.	Bhola 225 MW Combined Cycle Power Plant, Bhola.	3 Nos O/W& 3Nos DTW,PH,Pipe line	GO
282.	Shazibazar 330MW Combined Cycle Power Station,Shazibazar, Hobigonj.	O/W,6Nos	GO
283.	Sreemongol Pbs	WFP Servicing	GO
284.	Ghorashal Power Development Board, Polash, Narsingdi	WFP Servicing	GO
285.	Bangladesh Gas Field Company Ltd. at Titas-B, Brahmanbaria	DTW,WTP, Ground Reservoir, Pump House, Pipe line.	GO
286.	Fisheries Diploma Institute at Chandpur	DTW.WTP	GO
287.	University Grants Comission of Bangladesh, Residence Area at Dhaka	O/W,DTW	GO
288.	Cumilla Palli Bidyut samity-2	WFP Servicing	GO
289.	River Research Institute, Faridpur.	DTW,WTP & RO Shed	GO
290.	Chattogram Palli Bidyut Samity-1, Potiya, Chattogram	WFP Servicing	GO
291.	Palash Urea Fertilizer factory, Norshingdi	DTW	GO
292.	Sheikh Rehana Textile Engineering College at Gopalganj.	DTW,WTP	GO
293.	Chattogram Urea Fertilizer Factory Ltd. (CUFL) Rangadia, Chattogram	DTW	GO
294.	Sylhet Palli Bidyut Samity-2 at Dorbost, Jaintapur, Sylhet	WTP Ground Reservoir	GO
295.	Gaibandha Palli Bidyut Samity	WFP Servicing	GO
296.	Saidpur Power Development Board, Saidpur,Nilphamari.	O/W,2DTW	GO
297.	Chittagong Urea Fertilizer Factory Ltd. (CUFL) Rangadia, Chittagong.	6 Nos O/W& 2Nos DTW	GO

Sl. No	Name of Project	Nature of Work	Remarks
298.	Palli Bidyut Samity at Kurigram, Lalmonierhat	WFP Servicing	GO
299.	Palli Bidyut Samity at Manikganj	WFP Servicing	GO
300.	Palash Urea Fertilizer factory, Norshingdi	DTW Servicing	GO
301.	Titas 50 MW Power Plant, Titas, Cumilla.	O/W,DTW & R/O with WTP	GO
302.	BSCIC Industril State at Narsingdi	O/W, DTW, PH	GO
303.	Sirajgonj Palli Bidyut Samity-1, Ullapara, Sirajgonj.	WTP Servicing	GO
304.	Ghorashal Polash Fertilizer PLC (GPFPLC) Housing Colony at Ghorashal,	DTW Servicing	GO
305.	Siddhirgonj Thermal Power Station, Siddhirgonj, Narayongonj	2Nos Observation Well, DTW, PH	GO
306.	Dhaka Palli Bidyut Samity-2 at Panalaea,Nowabganj Dhaka.	DTW	GO
307.	Ghorashal Thermal Power Plant, Narsingdhi	2DTW	GO
308.	Shajadpur Grid Sub-station at Shajadpur, Sirajgonj under GMD Ishwardi.	WTP Servicing	GO
309.	Pashchimanchal Gas Company Ltd. at Nalka, Sirajgonj	DTW,WFP,Ground Reservoir	GO
310.	Naogaon Palli Biddut Samitte-2 at potinatola Naogaon	WTP Ground Reservoir	GO
311.	Shaheed M Monsur Ali Medical College and 500 Bedded Medical College Hospital at Sirajganj	WTP, Aeration Tamk, Pump House	GO
312.	Patuakhali Palli Bidyut Samity.	WTP Servicing	GO
313.	Palli Biddut Samity, Habigonj	WTP Servicing	GO
314.	Institute of Marin Technology, Sirajgonj	DTW/WFP	GO
315.	CCCC Bangabandhu Bridge-CCCC Office Area	WTP Servicing	GO
316.	CCCC Bangabandhu Bridge-East TCR Building Area	WTP Servicing	GO
317.	CCCC Bangabandhu Bridge-West TCR Building Area	WTP Servicing	GO
318.	CCCC Bangabandhu Bridge-East Police Station Area	WTP Servicing	GO
319.	CCCC Bangabandhu Bridge-West Police Station Area	WTP Servicing	GO
320.	CCCC Bangabandhu Bridge-CCCC Housing Area	WTP Servicing	GO

Table-D: Completed GoB Funded Action Research Projects (Irrigation & Water Management) under CIWM, RDA

Sl. No.	Name of the project	Sponsor (s)	Duration	Location & coverage
1.	Action Research Project on Multipurpose use of low-cost DTW for long-term post flood rehabilitation (MUDP)	GOB	1999-2004	18 sites over country
2.	Socio-Economic Development and Quality of Life Through Arsenic Free Safe Drinking Water Supply.	GOB	2001-2006	24 sites over country

Sl. No.	Name of the project	Sponsor (s)	Duration	Location & coverage
3.	Creation of Additional Employment, Increase in Marginal Productivity of Labour in Rural Economic Activities and Poverty Alleviation Through Irrigation and Water Management.	GoB	July 2005 – June 2009	51 sites over country
4.	Action Research Project on Increasing Irrigated Area through transferring -model of Irrigation and Water Management Technology in Southern and Hill Districts of Bangladesh.	GoB	July 2006 – June 2010	15 Hill areas of Bangladesh
5.	Action Research Project on Command Area Development using Surface Water for Rural Livelihood Improvement by Replicating RDA Technology (ADP).	GOB	2007 – 2015	45 sites over country
6.	Safe Water Supply, Sanitation and Bio-gas Technology for Rural Livelihood Improvement in Climate Victim People of Bangladesh.	GOB	2011-2014	13 Climate Victim Areas
7.	Action Research Project on Integrated Water Management (IWM)	GOB	2011- 2014	78 sites over the country
8.	Action Research Project on Poverty Alleviation through Livestock Management and Bio-Gas Bottling.	GOB	September 2009- December 2015	112 site over the country
9.	Action Research Project on Extension and Dissemination of Modern Water Saving Technologies and Management Practices to Increase Crop Production.	GOB	April 2015 - June 2021	This project is being implemented by CIWM, RDA, Bogura. Under this project a total of 200 (Two hundred) sites demonstrated in seven divisions of Bangladesh.

Sl. No.	Name of the project	Sponsor (s)	Duration	Location & coverage
10.	Action Research Project on Disseminating Two-storied Agriculture with Solar Power Irrigation Technology and its Multipurpose Uses.		July 2017- June 2022	Rajshahi (Poba); Naogaon (Niamatpur); Bogura (Bogura Sadar, Shajahanpur); Rangpur (Taraganj); Lalmonirhat Sadar, Panchagarh Sadar, Kurigram, (Rajarhat); Gaibandha (Palashbari); Sylhet (Goainghat); Sunamganj (Biswambharpur); Moulvibazar (Kulaura); Manikganj Sadar; Faridpur (Alfadanga); Gazipur Sadar; Chittagong (Boalkhali); Feni (Chagalnaiya); Comilla (Chandina); Satkhira (Ashashuni); Kustia (Mirpur); Khulna (Batiaghata & Batiaghata); Gopalganj (Muksudpur); Bhola (Doulatkhan); Barguna (Maitha); Jhalakathi Sadar; Khaliajuri. Netrokona).

Income and expenditure for financial year 2022-23 is as follows

(Taka in lakh)

Income		Expenditure	
Description	Tk.	Description	Tk.
Last year surplus	79.43	Contribution of RDA Revenue budget	30.00
Consultancy Fee (30%)	42.64	Salary & allowances	79.94
Transport rent	0.87	Salary & allowances (Credit program)	92.54
Service charge RDA-credit (9%)	83.63	CPF	4.02
Insurance	1.20	Fuel & Lubricant	13.41
Bank Interest	128.43		-
Rent (conference & Class room)	0.17	O&M for Transport (Tax, token, fitness, insurance etc.)	11.13
Bank Interest (others)	119.26	TA/DA, overtime bill/allowances	3.08
Cow lease	2.85	Entertainment expenses	1.29
Miscellaneous income	24.50	Repair & maintenance of office building	2.25
		Electricity bill paid	5.77
		Advertisement & publicity	4.13
		Repair & maintenance of lift	0.21

Income		Expenditure	
		Construction bill of RDA coffee house	22.04
		Miscellaneous expenses	33.17
Total	482.99		302.98

Net income Tk. (482.99 - 302.98) = 180.01 lakh

3.2.4.2 Seed and Biotechnology Center (SBC)

Rural Development Academy (RDA), Bogura along with its stakeholders has drawn national and international recognition as an efficient and leading organization for rural development in Bangladesh. Seed and Biotechnology Centre established at RDA with the aim to produce high quality disease free seeds, for dissemination of quality seeds and planting materials of different important crops to the farmers, conducting training, research and action research. RDA has a seed production farm of 80 acres of cultivable land with sophisticated seed processing facilities, seed health testing laboratory and biotechnology laboratory.

From the inception in 2011, this center was only involved in production of disease free potato seed of two varieties Diamant and Cardinal but at present it is working on twenty seven different varieties of potato, some commercially important plants such as Arabian dates, sweet potato, strawberry, stevia, grape, orchid, banana, gerbera, tomato, pomegranate etc. along with mushroom and trichoderma. Eight persons including three scientists are working in this center presently.

Strategic goal of SBC

Seed and Biotechnology Centre works to improve the living status of rural poor people using biotechnological knowledge.

Aims and objectives

Specific objectives of the center are as follows

1. To transfer technologies among the stakeholders and beneficiaries as a means of improving their living standard;
2. To produce disease-free seeds using tissue culture techniques to meet up the increasing demand of quality seeds;
3. To conduct research and demonstrate the outcomes for rural development;
4. To provide training for human resource development on plant tissue culture and employment generation;
5. To initiation of collaborative research program with different relevant organizations and conduct awareness building programs on different biotechnological aspects.

Existing facilities

- Well-equipped 03 laboratories for plant tissue culture and microbiology;
- A demonstration farm of about 80 acres of land with all kinds of modern facilities;
- Skilled and efficient workers.

Research Programs already conducted

- Protocol development for *in vitro* regeneration of some commercially important varieties such as date palm, banana, orchid, stevia, cashewnut, tomato, pomegranate etc.;
- Production of disease free high quality first generation potato seeds through meristem culture for commercial uses;
- *In-vitro* micropropagation of grape (*vitisvinifera*);
- Regeneration of strawberry through shoot tip culture;
- Development of technical protocol for trichoderma enhanced biofertilizer production;
- Determination of optimum trichoderma dose for organic fertilizer production;
- Effect of trichoderma suspension on production of organic fertilizer.

Achievements

- More than 850 beneficiaries are given skill development training on plant tissue culture of which most of them are self-employed at present;
- Each year around 7500 man-day's work opportunity has been created by this center;
- Disease free plantlets as well as seed potato of twenty seven different varieties (e.g. Granola, Diamant, Cardinal, BARI-54, BARI-29, BARI-86, Pakri, Hugarai, Sagitta and Asterix) have been produced successfully;
- From the beginning more than 1750 MTs of total disease-free seed potatoes of different categories e.g. prebreeder/minituber, pre-foundation, foundation and certified are produced;
- Around 4.08 million of disease-free potato plantlets are produced and supplied to the farmers;
- Every year farmers field days are organized for demonstration of technologies and sharing of practical experiences;
- Each year hundreds of rural farmers are getting advisory services.

Currently running program

At SBC near about 2,80,000 disease free plantlet production of different potato varieties (27 varieties) is continuing. Besides strawberry, stevia, gerbera, orchid, banana, fig and date palm propagation is also going on. Every year quality strawberries are successfully being produced at field level and disease free plantlets (small plants produced in the lab) are supplied to the farmers at a very reasonable price. Researchers of this center have already achieved the success for *in vitro* production of banana of different varieties. Last year trials were going on for establishment of these plantlets to the field and now a huge production obtained from those tissue cultured based plants. Recently, protocol for producing virus free sweet potato has been developed and plantlets trailed for field level establishment in the last winter season. A research titled by 'Development of ecofriendly household waste management system and conversion of household waste into compost using *Trichoderma spp*' is going on.

Financial statement

This centre is running by its own earnings and significantly (BDT 14 lac for 2022-23 FY) contributing its profit to the revenue as regular basis. More importantly, it has created employment opportunities for several unemployed people and rural farmers are getting benefited from the center.

The financial declaration for financial year 2022-23 is as follows:

Name of item	Total Income (Tk) in lakh	Expenditure (Tk) in lakh	Net profit (Tk) in lakh
Seed Potato, Potato Plantlets, strawberry plantlets and Tricho-products	42.58	25.42	17.16

Future Plan

- Has a plan to make a significant contribution for attaining the food security using biotechnological knowledge;
- Commercial production of banana plantlets, protocol development for date palm (Arabian Date) plantlet production in the laboratory, its commercial production and creation of new avenue for income generation of farmers and unemployed youth;
- Micropropagation of Gerbera and Orchids and their profitable production to encourage the rural poor to get involved in huge cut flower market;
- Act as a Centre of Excellence for rural development focused initiatives in the country;
- Use of biotechnological knowledge for the well-being of our rural people to improve their living standard;
- Has a future plan to set up a molecular biology laboratory for the development of new crop varieties through molecular techniques.

Conclusion

Seed and Biotechnology Center (SBC) established with the aim to uplift the living standards of rural poor people. This center is using biotechnological techniques as a tool to eradicate rural poverty. It has an ultimate strategic target to be a center of excellence in the field of agriculture beyond some existing limitations.

3.2.4.3 Cattle Research and Development Centre (CRDC)

Introduction

Cattle Research and Development Centre (CRDC) is one of the important centre under the management of Rural Development Academy (RDA), Bogura to deal with research, action research, and training and advisory services special emphasis put on livestock and rural development in Bangladesh. This centre was established with the government revenue budget for the year 2011-14. The main task of the center is to provide demand led livestock services and sustainable technologies for increasing their productivity and improving farmer's quality for enhancing scientific managerial and professional competency in harmony with environment. The centre is dedicated in sharing knowledge and skills related to animal feeding, breeding, care, nutrition, management and treatment. This center also keenly seeks collaborations and partnerships with highly regarded organizations and educational institutions all over the world.

Objectives

The main objective of CRDC is to improve the genetic potential of local cows for milk production (3000 litre per cow per lactation) and to contribute in the national demand of milk and meat. The specific objectives of the study were:

- To produce and supply of quality semen for improvement of cattle breed through artificial insemination for increasing milk and meat production
- To create self employment of the rural youth by employing livestock related training.

Methodology

CRDC has established one main centre at RDA campus and two Sub-centers at Kotalipara, Gopalganj and Jujkhola, Pirojpur for improvement of cattle breed through artificial insemination. Under CRDC there is a modern and full automatic bovine semen processing laboratory where quality frozen semen produced on regular basis and supply to farmer's house for artificial insemination by skilled AI workers of livestock services providers (LSP). This center has 80-100 skilled AI workers who performed AI for improving the genetic potential of bull and heifer through artificial insemination (AI) to the action research project areas of RDA under direct supervision of the CRDC staff and technical personnel. This center also take initiatives for improvement of cattle feed quality and production of silage as cattle feed. It is also conduct research on breeding, feeding and management techniques. They conduct training for the staffs and beneficiaries of the study villages. This center plays a vital role for ICT based livestock record keeping through application of mobile apps.

Internship programme

The internship programme for Doctor of Veterinary Medicine (DVM) and Animal Husbandry (AH) graduates from Bangladesh Agricultural University, Mymensingh; Hajee Mohammad Danesh Science and Technology University, Dinajpur; Patuakhali Science and Technology University, Patuakali; Sylhet Agricultural University, Sylhet and Sher-E-Bangla Agricultural University, Dhaka were conducted and every year about 500 interns learned practically about modern techniques of bovine semen processing, dairy production, better farm management, machine milking, feeding, breeding etc. This year the number is decreased due to the worldwide effect of Covid-19.

Training and exposure visit

There were about 182 participants trained practically on artificial insemination and developing their skills and more than 13,500 visitors from home and abroad visited the activities of CRDC every year in the field of cattle breed improvement and taking this as a business model. At present there are 20 merit breeding bulls at AI lab and bull station under CRDC center which is used for quality semen production and the semen is supplied to the AI workers who were trained up by RDA. CRDC recently started to sale the training course on Artificial Insemination Technicians.

Production, Income and Expenditure of the CRDC during July, 2022 - June, 2023

Gross income (Tk. In Lakh)	Expenditure (Tk. In Lakh)	Net Income (Tk. In Lakh)
16.89	15.99	0.90

N.B.: Six Shahiwal cross breed breeding bull was purchased @ Tk.10,28,000.00 (Ten lakh and twenty eight thousand only) during this period to increase the productivity and marketing opportunity.

CRDC Success at a Glance

This centre was established with the government revenue budget of BDT 9.9 crore for the year 2011-14. This amount was allocated to renovate a modern fully automatic AI Laboratory and dairy

shed at RDA and two sub-centre at Jujkhola, Pirozpur and Kotalipara, Gopalganj which are exiting in the respective places. This centre has produces 2,97,680 dose of frozem semen from which near about 1,48,142 offspring (male and female calf 88885 and 59257 respectively) was born. CRDC has contributed about 47.51 billion BDT to the national economy of Bangladesh which is still going on.

Projects under CRDC

CRDC has submitted a project entitled: “Action Research Project on Strengthening and Expansion of Cattle Research and Development Center” under RDA, Bogura to strengthen existing activities as well as expansion this work at different areas of Bangladesh for serving the rural people.

Services providing by CRDC

- Improved livestock farm management
- Cost effective nutritional improvement
- Cow comfort and animal welfare
- Economic calf raising through low-cost milk replacer and calf starter
- Heifer and pregnant cow management
- HYV fodder production, processing and preservation
- Silage and maize stover silage production
- Quality bovine frozen semen production, supply, and genetic improvement
- Produce and skill development of artificial inseminator
- Machine milking
- Milk and meat marketing
- Farm design, project planning and implementation
- ICT based livestock services with data management
- Environment friendly livestock waste management

Conclusion

CRDC is continuously trying to improve breed of cattle by supplying quality semen. If this process is done in large scale within the country it will be helpful to improve the breed of cattle and also in record keeping. CRDC also trying to introduce new technologies for livestock development and production which motivate the visitors to improve the livestock sectors ultimately to develop livelihood status of the poor farmers of Bngladesh. This year CRDC, RDA started to sale the AI related training. It is an attraction for all kinds of visitors to be inspired in receiving new technologies followed by using and contributing to the national GDP. In the previous two years, the overall activities of CRDC was decreased due to more contagious effect of Covid-19, which causes adverse effect on the production and profitability of the center as well as RDA and effect on the national GDP. As the world pandemic Covid-19 situation is improving and the income of CRDC also increasing gradually.

3.2.4.4 Renewable Energy Research Center (RERC)

Rural Development Academy (RDA), Bogura creating environmental friendly model for rural developing rural livelihood socio-economics status since its inception. From a decade ago RDA is working on solid waste (created from demonstration farm units- dairy, poultry, fisheries, cafeteria, guesthouse, hostel and residential areas) management and producing renewable energy through community based bio gas plant to maintain a clean and environment friendly campus. With the

rising population growth our natural sources of fuel are in decreasing trends. It is tough to fulfill energy demand from natural resources against required fossil fuel of about 40 million tons annually for Bangladesh. According to the decision of 41st Board of Governor (GoB) of the Academy a specialized centre established in RDA as “Renewable Energy Research Centre (RERC)” for quick extension, popularization, continuations as well as institutionalization and dissemination of sustainable technologies in home and abroad.

Objectives

The main objective of this action research project is to meet up rising demand of energy and building awareness of producing and using renewable energy through community based waste management practice, maintain friendly environment in rural areas of Bangladesh and to developed a replicable and sustainable model through the country. Besides, others renewable energy sources such as solar, wind, hydro energy etc also be given preference.

1. To strengthen organic farming system and utilization of organic manure at the field level. A community based bio-gas plant would be installed for environment friendly waste management and to reduce health hazard and practice of raising livestock's also be developed to meet up nutritional demand as well as ensure supply source of input materials (cow dung) to bio-gas plant.
2. To create an additional employment opportunity by providing RDA credits among the community members for IGAs mainly for raising livestock to have economic support as well as renewable energy such as- bio-gas, solar energy etc.
3. To arrange national and international seminar/workshops for disseminating successful model/technologies among the farmers, NGO/GO and relevant extension agencies for implementing at the field level.
4. To get self-sufficiency in energy sector through producing electricity locally by bio-gas driven generator as alternative means of renewable energy.
5. To take initiative for visiting nationally and internationally in order to sharing experience on renewable energy aspect.
6. To ensure waste management practice environmentally friendly and in sustainable manner.
7. To take initiative for dissemination of renewable energy technologies through suitable agencies like, GO/NGO and PPP (Public Private Partnership).
8. To take renewable energy and waste management related action research projects, consultancy work, research work in the allied fields in home and abroad.

Activities

- a. Establishing bio-gas plants for production of biogas, organic fertilizer and electricity as a means of renewable energy and inspire rural people towards livestock's farming.
- b. Ensuring support service for installing and management of solar panels.
- c. Conducting action research to strengthen irrigation skill and saving grid power for smooth running of solar pumps.
- d. Development of livelihoods through education, health-care, nutrition as well as income status of rural people through involving with RDA micro credit activities.

Observation

1. Installation of two storied agriculture with solar system demonstration at RDA demonstration farm in the paddy field for irrigation and cucurbit cultivation in remarkable achievement which could save land for setting solar panels.
2. Farmers many now come forward to set-up solar panels in their paddy fields without losing yield and land.

Work plan of 2023-24

- Under this center, renewable related various consultancy services like power production using solar plane, gas, electricity and organic fertilizer production through RDA-developed Biogas plant etc. would be delivered with the demand of GO/NGO/individual partners throughout the country.
- New renewable energy research arena would be searched under this center.

3.2.4.5 Chars Development Research Centre (CDRC)

Introduction

Poverty alleviation constituted the basic theme of all Five Year Development Plans of Bangladesh since its independence and considerable efforts have been made to alleviate poverty. But the incidence of poverty remains high in Bangladesh. Analyses of national data show that the incidences of poverty are not evenly distributed across the region. High concentration exists in specific areas, such as along the major rivers (*char lands*). Such poverty persists because of increasing inequality between regions as well as people. It has been found that the riverine chars are amongst the poorest in Bangladesh. Chars areas are characterized by a set of specific features that set them apart from other parts of Bangladesh and that justify different approach.

In physical terms, riverine chars are nearly accreted from the river and are consequently low lying. This makes char dwellers vulnerable to flood and erosions. The soils are relatively low with contents of organic materials, which cause low fertility compared to mainland. Individual and household displacement is common in chars areas. A fragile physical environment, limited assets, reduced income opportunities, remoteness and absence of mainland institutions and services together make char dwellers' livelihoods particularly vulnerable to extreme poverty and destitutions.

An estimated 6.5 million people live in 28 char upazilas of five districts and 2 millions people living in the chars are extremely poor. This situation focused govt. attention for better integration of the regions into Bangladesh wider socio-economic development. Keeping this in view, Rural Development and Cooperatives Division initiated the Chars Livelihood Programme in 2003. (Ref: CLP).

Strategic goal of CDRC

CDRC works to accelerate the progress in improving income and livelihoods of the extreme poor char-dwellers through exploiting and enhancing their capabilities.

Strategic objectives of CDRC

The strategic objectives of CDRC are across different components:

- Generate knowledge and technologies to improve the livelihoods of the char-dwellers;

- Develop methods and techniques for making effective interventions in the char-lands;
- Bring and demonstrate innovative good practices in the char-lands;
- Empower and mainstream the existing efforts of the char-dwellers;
- Facilitate for better market access;
- Mainstream women empowerment, climate change adaptation and disaster risk reduction/management;
- Conduct interdisciplinary research works including education, health, gender, climate change, disaster management, agriculture, financial and social issues to meet emerging challenges;
- Establish local, national and international partnerships for sharing knowledge and experiences.

Management of CDRC

The management of CDRC follows the guidelines set out in the 41st BoG meeting of RDA. CDRC is considered as the lead centre for chars related development activities in Bangladesh and will have overall operational responsibilities. RDA will play a strong supporting role through providing the chair of advisory committee by the Director General. The planning and managing committee headed by the Director of CDRC will oversee planning, management, implementation, monitoring and evaluation of CDRC activities. RDA faculty members with relevant expertise will always have opportunities to participate and lead CDRC programmes.

Progress of CDRC driven research activities

The following research activities have recently been completed or are being conducted to develop useful ideas and technologies relevant for the chars.

- Impact of Assets Transfer in Chars financed by RDA (completed)
- Impact of Chili Seed Treatment in the Chars financed by M4C (completed)
- Maize Variety Screening for the Chars financed by M4C (completed)
- Production and Familiarization of Maize Stover Silage financed by M4C (completed)
- Modern Rice Technology Transfer financed by M4C (completed)
- Improvement of Chars' Transportation financed by M4C (completed)
- Migration Behaviour of Char-dwellers financed by CLP (completed)
- Chronology of Agricultural Diversity in the Chars by CLP (completed)

Progress of CDRC field implementation

CDRC involves in the following field implementation:

- Chars Livelihoods Programme (CLP)
- Making Markets Work for the Chars M4C Project
- Women in Seed Entrepreneurship (WISE) activities
- Trichoderma Enhanced Composting (TEC)
- "Livelihood Improvement of the Poor People in the Char Islands of Sariakandi and Sonatola Upazilas under Bogura District Project

- Making Markets Work for the Chars M4C-Phase-2 Project (on going)
- Advocacy activities are going on under different char area.
- CDRC working in Naria and Vederganj of Shariatpur district under M4C project as a Swisscontact partner.

Progress of CDRC documentation, publication and advocacy activities

- CDRC in the financial collaboration with IFC did an audio-visual documentary on Women in Seed Entrepreneurship in the Chars that telecast in electronic media regular basis.
- CDRC in the financial collaboration with IFC is making another digital documentary on Ash Gourd (Winter Melon): The Magic Crop of the Chars.
- CDRC has decided to document all types of publications (i.e. research publications, impact and evaluation studies, journal articles, Masters, MPhil and PhD theses, leaflet, newsletters, posters, innovative video clippings, important newspaper. clippings, and any other char related documents).
- RDA faculty members has done several char related research and evaluation studies. Assets transfer in Chars is an example.
- They have also published a number of journal articles on char related issues
- **CDRC Consultation Workshop:** CDRC Consultation workshop was held on from 4 to 6 July 2021 and developed the details four years action plan for CDRC.

Progress of CDRC Administrative and others

- CDRC already developed its strategic plan;
- The secretariat of CLP has been replaced by the secretariat of CDRC.

The financial statement of Cattle research center (2022-23) is as below:

Name of item	Total Income (Tk) in lakh	Expenditure (Tk) in lakh	Net profit (Tk) in lakh
Sale of frozen semen	72.02	57.28	14.73

3.2.4.6 Centre for Community Development (CCD)

Besides conducting research in technological development of agricultural aspects RDA has been continuing research activities in socio-economic issues. The related socio-economic issues are: rural livelihood improvement, explore various problems and identify problems on rural and agricultural development, social empowerment at the grass root level; social forestry, leadership development at the local govt., child development, climate change, youth development, rural education, women empowerment, rural public health, women repression, anti-drug awareness creation, environmental protection, agricultural extension, micro enterprise development, agri-business enterprise development and management, evaluation of GO/NGO programmes, etc. Apart from these, RDA has been conducting research on various issues of SDG, five-year plan, perspective plan, etc. Through conducting socio-economic research, RDA has been contributing to rural development and in formulation of policy as well.

To make sustainable development and create fruitful participation in rural development a **Centre for Community Development (CCD)** has been approved in the RDA's 41st Board Meeting.

The objectives of the CCD are to:

1. conduct research on rural development and keep trying to evolve model,
2. continue activities of previous socio-economic research and action research,
3. undertake initiatives to conduct action research through the help of national and international organizations,
4. communicate with national and international organizations in community/rural development,
5. provide training on strengthening skill development to RDA people and personnel of national and international organizations related to rural development,
6. disseminate relevant research findings of CCD through organizing seminar/workshop,
7. Try to be self-dependent in operation of the CCD by reducing dependency on the revenue budget.

Capital of Centre for Community Development (CCD) from CVDP

Capital formation and fund have been transferred to Centre for community development (CCD) from CVDP Seed Capital. At present the total capital of Centre for Community Development (CCD) are 93, 07, 515.22 taka.

- **Loan Disbursement from Centre for Community Development (CCD) up to June, 2021**
Tk. 85, 25, 000.00 (taka)
- **Loan Recovery up to July, 2022** Tk. 74, 02, 860.00 (taka)
- **activities of CCD in 2021-22 and plan in 2022-2023**

Research activities

During 2021-22 year faculties of RDA related to CCD were involved in conducting different types of researches and this year faculties have a plan to conduct following research projects:

- COVID-19 impacts on various issues related to community/rural development (On going)
- Strengthening BRDB: A way forward (Completed)
- Building Citizen Science Intelligence for Pandemic Preparedness and Response: Needs Assessment jointly organized by I-DAIR, Geneva, Switzerland and RDA, Bogura (On going)

Apart from these researches, faculty members of CCD will be involved in conducting different types of researches sponsored by RDA/outside agencies.

Training activities

CCD has a plan to organize following training courses in 2022-23:

1. Leadership development,
2. Climate change and environment management,
3. Awareness on anti-drug and HIV-AIDS.
4. Agribusiness Entrepreneurship Development and Management course
5. Research methodology and any other courses may be included as per need and request by the faculty members/outside agencies.

Other Activities

Working with Institute of Bangladesh Studies (IBS), University of Rajshahi

CCD already signed an MoU with IBS to work on various aspects related to training, orientation programs for their MPhil and PhD fellows. IBS has been sending their fellows for getting orientation on RDA's different activities of training, research and action researches. Under this agreement RDA is also sending its fellow for higher Degree. Like the previous years, hope to continue the programme with IBS.

3.2.4.7 Palli Patshala Research Centre (PPRC)

The English name of Patshala is school. Actually Patshala is an academic house where the tender aged boys and girls prepare their lessons. In the past it was in the residence of a preceptor. But on the eve of time residence of preceptor converted into patshala/school. Still now the people remember the name patshala with pride and vanity. Now Palli Patshala will be the new of its kind with few exceptions. In this Patshala all ages youths and olds can learn something as per their desire particularly who are living in the village and deals with crop, livestock, fisheries, poultry, social forestry, health, nutrition, sanitation, education, environment, soil and water what not. Now it will be the meeting place to discuss their problems and once upon a time it will be the store house of knowledge. For cultivation of crops what will be the procedure- the villagers can discuss themselves and take decisions in a body. In this case if they need any training they can seek help from RDA. All types of invented models from RDA will be displayed there. For self employment the villagers can design some courses as per their age, sex and so on. So that Polly Patshala can play a role for Rural Development. Palli Patshala is a new concept of RDA. So initially there are some mistakes but with the age of time it will become a junction of Rural development model.

Part 2

5.3 Completed Action Research Projects (during 2022-23)

At the last financial year (2022-23), three ARPs have completed. The completed projects is also highlighted is bellow:

3.3.1 Livelihood Enhancement of the small farmer in SAARC region through small scale agro-business focusing on value chain development.

Project Title: Livelihood Enhancement of Small Farmers in the SAARC Region through Small Scale Agro-Business and Value Chain Development

Implementing Agency: Rural Development Academy (RDA), Bangladesh

Coordination Agencies: SAARC Agriculture Centre (SAC) and CIRDAP

Counterpart Agency: Ministry of Finance, Bangladesh

Project Objectives: The project aimed to achieve the following objectives:

1. Understand the present features of livelihood for beneficiaries and their knowledge of agricultural value chains, aspirations for moving up the value chain, and opportunities and challenges in doing so.
2. Assess the current level of institutional support for small farmers in farming, post-harvest handling, and value addition.
3. Promote farmers' lead and managed agro-enterprises by building capacity in post-harvest handling, value addition, and agribusiness promotion.
4. Increase income and improve livelihoods of small holders.
5. Empower rural women and create employment opportunities through agri-business promotion.
6. Develop the value chain of agricultural products and mainstream locally produced commodities.

Project Locations: Bogura and Gazipur districts, Bangladesh

Project Duration: 8th October 2018 to 7th October 2022

Lessons Learned and Recommendations:

1. **Product Diversification:** Farmer groups should explore producing chips from other fruits and vegetables, such as mango, sweet potato, carrot, sweet pumpkin, and papaya, to cater to higher market demands and reduce competition with jackfruit chips.
2. **Technology Upgrades:** To meet market demand, farmer groups need to invest in larger capacity commercial production lines and cold chambers to preserve seasonal fruits like jackfruit.
3. **Addressing Competition:** Farmer groups in Gazipur should consider producing additional products like pickles and chutneys to sustain their market presence and compete with larger manufacturing companies.
4. **Learning from Experience:** Continuous training and knowledge sharing from the Agro-processing, Preservation, and Marketing (APM) unit will help farmer groups improve their production efficiency and product range.

Sustainability Plan:

1. Cooperative Agro-Processing Association: To sustain the achieved impacts, a cooperative agro-processing association has been established by farmer groups.
2. Linkages: Farmer groups are linked with existing government line departments, the APM unit of RDA, and marketing companies to ensure continued support and market access.
3. Savings and Market Linkage: Farmer groups are encouraged to save and establish market linkages to secure their position in the agro-processing business.
4. Ongoing Initiatives: RDA has initiated poverty-free model village projects funded by the Government of Bangladesh for Bogura sub-project area and an Integrated Water Management (IWM) project for Gazipur sub-project area. Additionally, collaboration with welthungerhilfe (INGO) for the Nutrition Smart Village project is in place to sustain project activities.

Conclusion: The Livelihood Enhancement of Small Farmers in the SAARC Region project, implemented by RDA in Bangladesh, successfully achieved its objectives of empowering small farmers and enhancing their livelihoods through small-scale agro-business and value chain development. The project's focus on promoting agro-processing, value addition, and market linkages has led to increased income and improved living conditions for the beneficiaries. The establishment of a cooperative agro-processing association and ongoing initiatives ensure the sustainability and replication potential of the project's success in neighboring areas and countries. To continue the project's positive impact, regular mobilization with farmers' groups, frequent meetings, and collaboration with various stakeholders are crucial.

3.3.2 Action Research on Impact of Mechanized Systems of Rice Intensification in Bangladesh.

The research agreement is made between the National Graduate Institute of Policy Studies (GRIPS), Tokyo, Japan and Rural Development Academy (RDA), Bogura, Bangladesh. GRIPS hereby retains institute to perform and institute hereby agrees to perform the program of work set forth in the statement of the research work. The research 2nd agreements begin on 13/04/2022 and continue until 15/03/2023.

Background and Objectives of Research

A set of rice management practices, called the system of Rice Intensification (SRI), has been proven to be yield-enhancing, without requiring any additional external input. However, its adoption rate is generally low and dis-adoption rate is high presumably because of high demand for labor. Rural Development Academy (RDA), Bogura has developed a mechanized transplanting system that is compatible with SRI principals. A team of researchers headed by Kazushi Takahashi at National Graduate Institute for Policy Studies (GRIPS), launched a new research project to assess the impact of mechanized SRI in Bangladesh relative to conventional SRI as well as standard rice management practices. In collaborating with RDA and a survey company (SC: Socio-consultant), we will implement a randomized controlled trial and RDA will provide agricultural trainings and all technical supports to randomly selected farmers.

RDA, Bogura will do the following:

1. Demonstration: Do demonstration of mechanized SRI (MSRI) in 25 villages and conventional SRI in 25 villages specified by GRIPS researchers. About 200 lead farmers, machine

operators etc. (4 members*50 villages) are trained including selection of 1500 farmers for next three years experiment. The activities are conducted in 2022-23 Boro season. and special arrangement is also working on Amon activity

2. Two videos (for training) are prepared-one for SRI and another one for MSRI.
3. Submission of the activity record and financial report.

Research Area

The research activities will be implementing at Dupchanchia upazila of Bogura District, Mithapukur upazila of Rangpur District, Raigonj upazila of Sirajgonj District, Shokhipur upazila of Tangail District and Chatmohor upazila of Pabna District.

Expected Outcome:

Based on the experiment and household survey that follows GRIPS research team will create several research papers to be published in prestigious journals. Policy makers as well as various donors, government and NGO's will be able to understand whether the mechanized SRI is promising increasing yield and profit of farmers.

5. RDA Demonstration Farm

3.2.3.2 RDA Demonstration Farm

The demonstration farm was created shortly after the establishment of the Academy with the following broad objectives:

1. Conducting innovative, adaptive and demonstration trials and dissemination of improved agro-technologies to the farming community;
2. Holding practical sessions of the skill development training courses on agricultural technologies organized by the Academy; and
3. Producing quality seed of HYV rice, Potato and other high value crops and products to help the Govt. in agricultural development.

The demonstration farm measures about 80 acres of which 65 acres are under Action Research and the rest of the area is under infrastructure such as road, farm building, Bio-gas plant, pond and irrigation system etc. At present the farm has nine agricultural individual production Units: Those are (i) Crop (ii) Nursery (Orchard and Ornamental) (iii) Poultry, (iv) Dairy, (v) Fisheries, (vi) Biotechnology laboratory, (vii) Irrigation and Farm power machinery, (viii) Palli Joibo Shar and Biogas Unit and (ix) Agro-products processing and Refrigerated storage unit

Farm Management

A Farm Development Committee Chaired by the Director General of the Academy oversees the activities of the Demonstration Farm. All faculty members of the Agricultural Sciences Division with diversified technical disciplines are members of the Committee. Each unit In-charge carries responsibility of planning and executing the year long production and research activities. The entire program of the Farm from planning to implementation is materialized under the overall guidance of the Director of Agriculture Sciences Division. The ultimate implementer of the planned activities is the Farm Manager who acts under the overall guidance and care of the Farm In-Charge. The Farm In-Charge is nominated among the faculty members of the Agricultural Sciences Division. Relevant Faculty Members, in addition to the Unit In-charges, render their services in crop production

including soil fertility management, horticulture (orchard and ornamental), dairy, poultry, fisheries, farm mechanization, irrigation, tissue culture and agro-product processing and marketing.

Activities Performed During July 2022-June 2023

i. Crop Unit

It's clear that agriculture, done right, is the best means the world has today to simultaneously tackle food security, poverty and environmental degradation. Keeping this philosophy for rural development RDA, Bogura operates crop unit in its demonstration farm on 30.00 acres of land and also 15 acres under collaborative research activities under (PPP) model. The crop unit experiments on and produces grain crops seed mainly Aman and Boro paddies as well as, potato and different seasonal vegetables around the year. Seeds produced of rice; and potatoes are regularly sold to BADC under its Contract Growers Program. RDA is a member of that program and has been producing, quality seeds that contribute in the government national seed supply chain.

Apart from the production activities the unit offered practical training to training on the production technologies of organic fertilizers and their utilization, hybrid maize production and homestead vegetables production to trained farmers' on modern crop production technologies as learning by doing. Crop unit also playing a role to motivate farmers and extension of modern technologies. Conduct research to make agriculture more profitable as a means of achieving food security and rural self employment, provide feedback about technologies to the concern research institute to improve the technology. Finally the unit is trying to build up a knowledge bank on crop production technology for delivering actionable knowledge among the farmers.

Income and Expenditure of the Crop Unit during July, 2022-June, 2023

Name of crops	Gross income (Tk. In Lakh)	Expenditure (Tk. In Lakh)	Net Profit (Tk. In Lakh)
Aman paddy seed, Potato, Boro Paddy, Seed vegetable and non seed potato, non seed rice along with straw.	45.52	37.52	8.0

During the reporting year crop unit supplied 37,940 Kg of Aman, 34,594 Kg of Potato, and 22,220 Kg of quality Boro rice seeds to BADC, Bogura for supporting the govt. seed multiplication program. Apart from the production activities the unit conducted practical sessions for total 63 batches trainees on the production technologies of organic fertilizers and their utilization, rice seed production and homestead vegetables production and more than 15100 visitors from home and abroad visited the unit.

ii. Nursery Unit

Nursery unit is one of the self-financed units of RDA demonstration farm. The activities of the unit are being conducted on 10 acres of land including a germplasm repository. It is divided into two parts: orchard and ornamental section.

Orchard Section: In this section experiments and research has been conducted on different variety of indigenous and exotic fruits. During last fiscal year 12000 mango saplings, 3000 lemon saplings, 3000 litchi saplings, 4000 guava and other various 9000 fruit saplings are developed through cleft, layering and other grafting techniques. In orchard section nursery unit has also

introduced gremplasm center of vegetables seedlings plant. From this center the nursery unit more than 60,000 brinjal, capsicum, Chili, pointed gourd, bottle gourd vegetable seedlings has been sold to the farmers. More than 20000 seedlings are distributed among project beneficiaries, poor farmers and Government organizations.

Ornamental Section: In this section experiments and research has been conducted on exotic, rare and others new variety of ornamental plants. During last fiscal year more than 20,000 seedlings are developed through cutting technique.

Training on nursery management has been given among 300 people. More than 11,000 visitors have visited this unit. The cost-benefit status of this unit is presented in following table:

Production Income and Expenditure of the Nursery Unit during July, 2021-June 2022

Items	Area (acre)	Gross income (Tk. In Lakh)	Expenditure (Tk. In Lakh)	Net Profit (Tk. In Lakh)
Seedlings, saplings and grafts of different plant species	10	15.81	13.25	2.55

iii. Poultry Unit

Poultry unit is one of the important units of RDA demonstration farm. It is covers an area of 1.00 acre including six poultry sheds including two deshi poultry shed. This unit is working as a demonstration as well as training ground for the visitors and participants coming from different corners of the country. This unit also implementing internship programme for Doctor of Veterinary Medicine (DVM) and Animal Husbandry (AH) graduates from Bangladesh Agricultural University, Mymensingh; Hajee Mohammad Danesh Science and Technology University, Dinajpur; Patuakhali Science and Technology University, Patuakali; Sylhet Agricultural University, Sylhet and Sher-E-Bangla Agricultural University, Dhaka. Now, this unit is rearing indigenous chicken commercially under semi intensive system with improved management (brooding, balanced feeding, deworming, vaccination etc). The last financial year this unit was reared about 8000 Sonali chicken and 1200 duck which was sold out among the employees of RDA, RDA cafeteria and also in local market. The total mortality was very low in case of both chicken and duck due to application of modern poultry production practices. Income and expenditure of the Poultry Unit during 2021-2022 are shown below:

Income and Expenditure of the Poultry Unit during July 2022-June 2023

Gross income of Poultry Unit	Expenditure	Net Profit (Tk. In Lakh)
14.87	13.20	1.67

Under this unit 13 rural poor people were trained for developing their practical skill in poultry production. Training on community based indigenous chicken rearing, poultry production and management and poultry hatchery management has been given among 400 people and more than 12,000 other trainees and visitors visited the farm as a part of demonstration.

iv. Dairy Unit

Dairy unit is one of the key units of RDA demonstration farm. This unit is working as a demonstration as well as training ground for the visitors and participants coming from different corners of

the country. Dairy unit covers an area of 5.0 acres including 5 cattle sheds and grassland. This unit also implementing internship programme for Doctor of Veterinary Medicine (DVM) and Animal Husbandry (AH) graduates from Bangladesh Agricultural University, Mymensingh; Hajee Mohammad Danesh Science and Technology University, Dinajpur; Patuakhali Science and Technology University, Patuakali; Sylhet Agricultural University, Sylhet and Sher-E-Bangla Agricultural University, Dhaka. The newly technologies which are using under this unit are– (i) ICT Based Livestock Management for proper record keeping (ii) Machine milking for ensuring hygienic milk production; (iii) using own developed milk replacer and calf starter for ensuring economic calf production; (iv) Maize stover silage to overcome the shortage of cattle feed; (v) Estrus synchronization; (vi) Embryo Transfer; (vii) Dehorning (viii) AI in Sheep; (ix) Environment friendly livestock waste management etc. The regular activities of this unit are milk production, selling of cow dung, selection and culling of cattle. This unit organized practical session of different livestock production, health and artificial insemination related training courses on regular basis. Production, expenditure and income of the Dairy Unit during 2022-2023 are shown below:

Production, Income and Expenditure of the Dairy Unit during July 2022- June 2023

Gross income (Tk. In Lakh)	Expenditure (Tk. In Lakh)	Net (Tk. In Lakh)
70.06	51.31	18.75

Gross income earned by selling of milk, cow dung and culled animal respectively. The unit also offered internship to 150 students of DVM and AH, skill development training to about 350 trainees and more than 12500 other trainees and visitors visited the farm as a part of practical demonstration

v. Fish Hatchery Unit

The Fish Hatchery Unit runs its activities on 7.0 acres of water bodies and a modern hatchery. The main activities of this unit are the rearing of brood fish, production of fish seed and fish fingerlings of different indigenous and exotic fish species adapted to local environments and organizing practical sessions of aquaculture training courses. There are eight ponds and nearly ten canals under this unit. Of these, five ponds are perennial having 4.0 acres of water area used for rearing of brood fish. The rest three pond and the canals are seasonal having 03.00 acres of water area and used for rearing of ornamental and other fish spawn. Fish seed (spawns) of different species such as carps, tengra, Vietnamese koi, and ornamental fish are produced in the hatchery. Successful breeding and rearing of four ornamental fishes (Koi carp, Comet carp, and Goldfish) were also carried under the fisheries unit. Two different groups of young entrepreneur also created for breeding, rearing and marketing ornamental fishes. Production, expenditure, and income of the Fish Hatchery Unit during 2022-23 are shown below:

Production, Income & Expenditure of the Fish Hatchery Unit during July 2022 to June 2023.

Gross income (Tk. In Lakh)	Expenditure (Tk. In Lakh)
8.38	9.07

Unfortunately, the activities of the hatchery were a bit slower from 2018 to 2021. For this reason, the fish hatchery was in a struggle. After this period the unit tries to stand strong again and we hope

it can. Gross income earned by selling fish and fish spawn produced in the pond and hatchery respectively. Apart from this, the unit offered training to 20 trainees for a skill development course and more than 500 other trainees and visitors visited the hatchery.

vi. Biotechnology Laboratory Unit

Biotechnology Laboratory Unit under the Seed and Biotechnology Center has been producing disease free high quality seed potato of different varieties (Diamant, Cardinal, Asterix, Granola, Sunshine, BARI-54, BARI-86, sweet potatoes etc.) and of different categories (pre-breeder/mini-tuber, pre-foundation, foundation, certified) therefore contributing significantly to the agriculture sector of Bangladesh through supplying of good quality healthy seeds to the rural farmers. It comprises a modern biotechnology laboratory, a Trichoderma laboratory, a mushroom laboratory and operates field level activities on an area of 04 acres of land and presently confined to the production of quality potato seeds, disease free potato plantlets, strawberries and banana for commercial purposes. Researchers of this center are also working to establish protocol for the production of quality plantlets of gerbera, orchid, Arabian dates, stevia, tomatoes, and fig in this laboratory. Commercial production of tissue culture based strawberry, sweet potato and banana at field level is also going on as regular activities.

Trichoderma laboratory is also another area of concern of this unit where good quality environmentally safe bio-pesticides and bio-fertilizers are being produced using a beneficiary fungus named *Trichoderma harzianum*. Trichoderma is an effective biological agent for 5/6 time's faster conversion of solid waste into best quality organic manure. This unit is conducting research on solid waste management using the potentialities of this fungus. These tricho-products have been distributed to the rural farmers and has a significant contribution on crop yield and control of soil borne diseases. A research project on 'Development of ecofriendly household waste management system and conversion of household waste into compost using *Trichoderma spp*' is going in order to ensure environment friendly sustainable waste management.

The financial declaration for financial year 2022-23 is as follows:

Name of items	Total Income (Tk) in lakh	Expenditure (Tk) in lakh	Net profit (Tk) in lakh
Seed Potato, Potato, Strawberry Plantlets and Tricho-products	42.58	25.42	17.16

* Taka 14 lac has been transferred to revenue from the net profit in 2022-23 FY.

More than 850 interested students, farmers and entrepreneurs were trained on plant tissue culture based plant production as well as disease free potato seed production technology under the supervision of the resource persons of this unit.

vii. Irrigation and agriculture Machinery Unit

Irrigation and agriculture Machinery unit of RDA is a support service unit in the demonstration farm which providing activities of irrigation pump and agricultural machinery technology dissemination and development inside and outside of RDA. Total agricultural water supply system of RDA is covered by four bore-hole pump and irrigate in the farmland using buried pipe system which ensure proper use of water reosuces. This unit is covered 80 acres of farm at RDA. The main role of the unit is helps to others units for land preparation, tillage operation by tractor and power tiller, rice planting by rice transplanted intercultural operations by modern equipment's,

pre and post-harvest processing by reaper and thresher. Also, two mini combine harvesters are recently added to the units that largely helping to process agricultural crops as contact basis inside and other sides of the RDA. Modern agricultural machinery and equipment like combine harvester, rice transplanted, sprinkler and drip Irrigation, power tiller, tractor, reaper, thresher are used introduced in this unit which has greater impact on farm development. This unit has an agri-machinary workshop that produces many equipment's like close drum thresher, bed planter, potato harvester, AWD magic pipe and local agricultural machineries. Irrigation and agriculture machinery unit of RDA is not only covered land preparation works but also contract basis rent works have done to many farmers in Bangladesh. Moreover, power tiller and tractor operated vehicles also give support from this unit. Income and expenditure of the unit during 2021 –2022 are given in the following table:

Income and Expenditure of the Unit during July, 2022 – June, 2023

Items	Gross income (Tk. in Lakh)	Expenditure (Tk. In Lakh)	Net Profit (Tk. in Lakh)
Agricultural machinery rent and Irrigation	8.04	6.0	2.04

During last fiscal my year this unit has done tillage operation on 250 acre of land and deep tube well operated more than 2500 hours for irrigation and supply purpose. This is operated by an unit-in-charge with three support hand pump and machinery operator.

viii. Polly Joybo Sar and biogus Unit

Palli Joibo Shar and Biogas is a support service unit under RDA demonstration farm involved with the production of biogas and bio-slurry. It operates through two different plats at RDA demonstration farm plant to meet the daily consumption of biogas of RDA residential area. Fom this two plants it supplies biogas to 30 (thirty) household through household connecton. The byproduct of biogas production is biogas slurry which is an important oragnic fertilizer for soil. After uplifting the biogas slurry it is sun dried and net finished into dust form. The dust form of bio-slurry is being marketed with the brand of "Palli Joibo Shar" having different size of packages. Annual turnover of the unit for the FY2022-2023 with net profit of BDT 0.84.lakh.

Income and Expenditure of the Unit during July 2022- June 2023

Items	Gross income (Tk. in Lakh)	Expenditure (Tk. In Lakh)	Net Profit (Tk. in Lakh)
Seals of Polly Joybo Sar and biogas	7.82	6.98	0.84

viii. The Agro-product Processing, Preservation and Marketing Unit

APM unit of RDA, Bogura started in 2007 at the outer periphery of the of the RDA campus and adjacent to the NCDP market on 0.70 acre of land. It has started as a pilot programme with following objectives:

- to ensure processing of agro-products scientifically,
- to preserve the processed products at the right temperature to prolong the storage life,
- to disseminate acquired knowledge in preservation and processing technologies to the farmers, entrepreneurs, practitioners and others,

- to develop an effective marketing network for agro-products
- to make the better use by the farmers and traders for their products during lean period for avoiding losses.

This unit is being experimentally run under the Center for Irrigation and Water Resource Management (CIWM). It is being used as a demonstration unit. CIWM initiated APM Unit's activities with allocation of Tk 55 lac. The unit is running its operation with marginal profit. Under this unit, processing and marketing federation of CIWM and entrepreneurs are working together.

Income and Expenditure of APM Unit during (July 2022- June 2023)

Items	Gross income (Tk. in Lakh)	Expenditure (Tk. In Lakh)	Net Profit/loss (Tk. in Lakh)
Agro food products and Unit management	20.30	17.75	2.55



ADMINISTRATIVE AND FINANCIAL REPORT 2022-2023



Introduction

Administration can be defined as the management and implementation of processes within an office, business, or organization. It entails the efficient and effective coordination of people, information, and other resources to accomplish the organization's objectives. The administrative division tirelessly oversees the day-to-day operations of the Academy. This division warmly supports the training, research, and action research activities of the Academy while also ensuring the well-being of its employees. In matters of administration, the Director General serves as the Chief Executive. Assisting the Director General in their duties are an Additional Director General, a Joint-Director (Administration), a Deputy Director (Administration), a Protocol Officer, two Assistant Directors (Administration), and an Administrative Officer. The Board of Governors serves as the highest decision-making body for policy matters. The Honourable Minister/Advisor for Local Government, Rural Development, and Cooperatives acts as the Chairman of the Board, and the Director General of RDA holds the position of Member-Secretary. The Board convenes at least twice a year to review the Academy's activities and make decisions and approvals on important matters.

Activities of Different Sections

The Administrative Division guides and helps as many as nine sections of the Academy and the day-to-day operations of these sections are. Besides that specific jobs related to administration are performed with special committees. These committees provide suggestions and recommendations as and when required. The activities of the respective sections for the reporting period (2021-2022) are stated below:

1. General Administration

During the reporting period, all administrative routine works were performed flawlessly. Among the faculty members, 13 were nominated to foreign training programs/ study tours and 44 were nominated to in-country training programs. All national days were observed with due are stated.

2. Accounts Section

An Accounts Officer on deputation from the office of the Comptroller and Auditor General of Bangladesh, Datheka, keeps an eye on the activities of this section. He is assisted by an Accountant, an Assistant Accountant, and a Cashier.

The detailed breakup of the budget for 2022-2023 is as follows:

		(in lakh Tk.)
i.	Grant to meet the regular expenditure of the Academy	2075.28
ii.	Local income of the Academy	360.03
iii.	Grant to meet the research and training expenditures of the Academy	181.64
Grand Total		2616.93

Audit of expenditure has been done up to 2019-20 and 2021-22 by Local Audit department of the Government. The present status of different audit objections is presented below:

Unsettled audit objections up to 2019-2020	65
Works Audit objections	-
Total number of audit objections	65

3. Maintenance Section

Maintenance section is responsible for the maintenance of buildings, road structures, furniture, water and electricity supply within the campus. One Assistant Engineer and one Sub-Assistant Engineer are currently looking after the maintenance works of RDA. Total budget allocation of 2022-23 for maintenance works, electricity bill, and telephone bill is 210 lakh taka.

4. Transport Section

Transport section is responsible for the day-to-day operations of all the vehicles placed under the transport pool of the Academy other than the project vehicles which are managed independently by the concerned Project Management Unit (PMU).

An amount of Tk. 44,80,000.00 was allocated in the budget for this section and Tk. 44,80,000.00 was spent for repairing and maintaining the vehicles and payment of fuel cost. Major overhauling works of one vehicle was done.

5. Publication Section

Publication Section is on duty to publish different reports prepared by the Academy. Active participation on national level events, distribution and selling of the publications are also done by this section. Activities of the section during the reporting period were as follows:

a)	Number of reports published	14
b)	Copies of published reports	5000
c)	Distribution of publications free of cost (including brochures)	1170
d)	No. of reports and journals sold	252
e)	Income from the selling of publications (Tk.)	79,107/-

6. Hostel and Guest House

The Academy has five hostel buildings including one for female. The four male hostels have a capacity to accommodate 454 persons at a time and the female one with a capacity of providing accommodation of 64 persons. There is one Manager who is assigned to look after the overall day-to-day to management of the hostel and guest. There are one Hostel Assistants and one Storekeeper to assist him in doing his job. Boarding facilities are provided to the participants of different training courses, seminars, workshops, conferences and the other official programmes of different agencies held at the Academy. In addition to this, the Academy has a fully outfitted guest house having 128 air conditioned rooms including nine suites furnished with dining and lounge facilities. The guest house is used for distinguished visitors and dignitaries from home and abroad. In all 62356 persons stayed at the hostels during the reporting period.

Total income and expenditure during the period were as follows:

Opening balance	Tk.	32,11,233.10
Total utility charges received	Tk.	3,70,76,738.00

Gross balance	Tk. 4,02,87,971.10
Maintenance cost	Tk. 2,67,73,804.00
Net balance	Tk. 1,35,14,167.10

Besides, there is a rented guest house in Dhaka which is used by the officers and employees of the Academy during their visit to Dhaka for official purposes.

7. Cafeteria

Food is considered as the basic need of human being and RDA cafeteria serves this purpose carefully. Cafeteria facilities are offered to the participants of different training courses, seminars, workshops, conferences and the other official programmes of different agencies arranged at the Academy. Cafeteria is also utilized by the employees of the Academy in various occasions. There is one Manager for the Cafeteria who works under the direct supervision of a committee headed by The Chairperson of the Faculty Council. Cafeteria Committee is responsible to oversee the whole management of the cafeteria and suggests ways and means for its betterment. Total income and expenditure during the reporting period were as follows:ww

Opening balance	Tk. 28,406.00
Total received	Tk. 3,28,12,445.00
Total operational expenditure	Tk. 2,94,68,534.00
Gross balance	Tk. 36,22,590.00

8. Medical and Nutrition Centre

The employees of the Academy including their family members and the participants from all kinds of training have been receiving primary treatment and medical advice from the Medical and Nutrition center situated in the Academy. The services provided by the medical center include – emergency medical services, outdoor medical services and observation medical care for individual cases as and when necessary and facility for examination of the different basic pathological tests. There is one Medical Officer, one Pharmacist and one Dresser to look after the patients. The activities of this center during the reporting period were as follows:

Number of patients received treatment	5364
Emergency treatments received	332
Referred service	109

Besides, advisory services were provided to different patients as before.

9. Mosque

The Academy mosque which is very gorgeous has the capacity to accommodate around 500 persons for prayer. Besides, the five-time congregations a day and the Friday prayer, all the Muslim auspicious days are observed with due solemnity in the mosque. Special prayers like Milad Mahfil were held on national days. There is one Pesh Imam and one Khadem-cum-Muazzen to facilitate the observance of all the religious events held in the mosque.