

কৃষিই সমৃদ্ধি

Govt. of the People's Republic of Bangladesh
Bangladesh Jute Research Institute
 Manik Mia Avenue, Dhaka-1207
www.bjri.gov.bd



SDG Implementation Progress Report up to June-2024

Department/ Organization	SDG targets/ indicators assigned	Action taken against the target/indicator (act/policy/strateg y/project /program	Achievement s status (up to June 2024) (including data and data source)	Problems faced during implementation (if any)	Number of Projects to be Undertaken	Number of Projects Under processing/ implemena tion	Remarks
1	2	3	4	5	6	7	8
Bangladesh Jute Research Institute	Goal 2: Zero Hunger Specific goals: 2.1, 2.3, 2.4, 2.5, 2.a Number of Assigned projects: 36	--Total number of projects redefined: 12 -- Enclosure-1	--Number of projects completed: 4 --Enclosure-2	-- Lac of required skilled manpower --Inadequacy of modern equipment -- Lack of infrastructure	• Number of DPP formulatio n: 10 • Enclosure- 3	Number of DPPs under approval process: 02 Enclosure- 4	
	Germplasm collection 2.5.1 Target: 6700 (Milestone in 2025 is 6300)	Germplasm collection is continuing	6096	DPP for genetic resource collection is not continued			We have submitted a letter to MoA requesting for revise the germplasm target by 2030 New target: 6300

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 পরিচালক
 গবেষণা, প্রশিক্ষণ ও যোগাযোগ
 বাংলাদেশ জুট ইনস্টিটিউট
 মানিক মিয়া এভিনিউ, ঢাকা ১২০৭।

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 ৩০/৭/২৪
 ড. মোহাম্মদ হোসেন
 প্রধান বৈজ্ঞানিক কর্মকর্তা
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Subject: Action taken against the target/indicator (act/policy/strategy/project /program)

Sl no	Project title	Head of committee	Progress
1	Development of high yielding, hybrid and transgenic crop varieties. (Breeding)	Dr. Md Golam Mostafa, CSO, Breeding Division, BJRI	All projects are under reviewing in the organization label
2	Increasing cropping intensity and improving the standard of living of farmers through incorporation of jute crop in cropping system	Dr. A K M Shahadat Hossain, CSO (cc), JFSD	
3	Strengthening the research on mechanization of Jute and Allied Fiber (JAF) crops production technology	Dr. Md. Monir Hossen, PSO, Department of Fiber Quality Improvement Division, BJRI.	
4	Strengthening on research for increasing multi-use of charcoal and activated carbon from jute stick	Dr. Md. Nurul Islam, CSO (cc), Department of Chemistry, BJRI	Under preparation
5	“Development and popularization of salt tolerant high yielding Jute and allied fibre crop varieties and technologies in the southern region of Bangladesh” project	Dr. Mahmud Al Hossain, Director, PTC, BJRI	
6	Establishment of accredited lab development for testing facilities.	Dr. M M Alamgir Saeed, CSO, Dyeing and Printing Department, BJRI	
7	Innovation of eco-friendly jute-cotton blended home textile technology	Dr. Nazmina Akter, CSO (cc) Jute-Textile Wing, BJRI.	
8	Development of die back and yellow mite resistant mutant line of jute and popularization of developed technologies among the jute growers	Dr. Md. Nazrul Islam, CSO, Pest Management Division, BJRI	
9	Germplasm conservation of jute and jute-like crops, development of region-specific seed production technologies and strengthening and promotion of molecular research on jute.	Dr. Md. Nasir Uddin, CSO (cc), JFSD	
10	Increasing agricultural productivity through modern technology transfer, minimizing yield gap, crop diversification & intensification with high value crop production	Dr. Md. Abdul Alim CSO, Agronomy division, BJRI	
11	“Strengthening research activities of Bangladesh Jute Research Institute” Project	Dr. Mahmud Al Hossain, Director, PTC, BJRI	Under consideration of verification committee meeting in the Ministry of Agriculture
12	Pilot project on production and distribution of region-specific quality seed of high yielding jute and allied fiber crops	Dr. Mahmud Al Hossain, Director, PTC, BJRI	Unapproved projects in ADP for FY 2024-2025

Subject: Achievements status (Up to June 2024) (including data and data source)

Sl. no	Project Title and Period	SDG Targets	Major Achievements	Cost in BDT (million)
1	Development and Dissemination of Agricultural Technologies on Jute and Allied Fibre Crops. (January 2015- June 2018) (Completed)	2.3	1) Development of one salinity tolerant variety (BJRI Desi Pat-4) and four (4) more advanced breeding lines with high salinity tolerance (up to 14ds/m) have been tested. 2) Construction of boundary wall (infrastructural acquisition) 5600 running feet boundary wall at Manikganj, Regional Center for Jute Research, 845 running feet boundary wall with a gate at Rangpur, Jute Seed Production and Research Centre, 760 running feet boundary wall with a gate at Dinajpur and Jute Research. Construction of 2000 running feet boundary wall completed at sub-center, Tarabo, Narayanganj. 3) Committee Room Renovation and Modernization (Infrastructural Acquisition) of BJRI Head Office. 4) Establishment of showrooms and sales centers at various research centers (infrastructural acquisition). 5) Grant of PhD scholarships to 10 scientists of BJRI. 6) A total of 9000 farmers and producers of jute products have been financed by the project in the last three financial years. 1000 Assistant Agricultural Officers and NGO workers and 450 Upazila Agricultural Officers/Upazila Agricultural Extension Officers have been trained. 7) A total of 178 types of modern research equipments have been purchased till June/2018 to modernize the research laboratories to strengthen the research activities of BJRI. 8) Two (2) pick-ups have been procured for project work as per procurement plan	229.176
2	Basic and Applied Research on Jute (September 2010- June 2023) (Completed)	2.4	1) Identification of microorganisms associated with jute decay in different environments and their metagenomics studies are at the stage of confirmation in small-scale lab experiments. 2) Research on development of fast-growing jute varieties has collected seeds of T2 generation and 13 generation is under evaluation stage. 3) Research on development of Bt jute cultivars resistant to weevil has been collected from T1 generation seeds and T2 generation is under evaluation stage. 4) Research on development of stem rot resistant jute cultivars has been collected from seeds of T1 generation and T2 generation is under evaluation stage. 5) Research work on identification of functional genes	1322.521

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ড. মোহাম্মদ ফারহানা শাবমিন

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সিনিয়র কর্মকর্তা

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সিনিয়র কর্মকর্তা

			through RNA sequencing is in final stage for development of drought tolerant jute varieties.	
			6) Seed enhancement and trait analysis studies for identification of beneficial genes from jute germplasm. Characterization of 500 germplasms of indigenous breeds has been completed. A further 500 germplasms were subsequently seeded for characterization.	
			7) Research is ongoing to update the scientific draft genome and identify genes involved in nitrogen fixation of Dhainchara.	
3	Strengthening Research of Jute & Textile Product Development Centre of BJRI. Jan 2018-June 2021) (Completed)	2.a	1) 03 technologies have been developed 2) 11 scientists have been given foreign training. 3) 48 machinery and equipment's have been purchased and installed. 4) 8 desktop computers, 4 laptops, 1 digital photocopy machine, 1 digital camera and 1 video camera were purchased. 5) 15 machines have been repaired. 6) Purchased office equipment and furniture. 7) Raw materials and chemicals have been collected 8) 5 packages of public works have been completed.	121.267
4	Establishment of Jute Research Sub-station and Strengthening Research Activities at Madarganj of Jamalpur District. July 2018-June 2023 (Completed)	2.a	1) 34.50 acres of Khas land has been acquired 2) Field evaluation of advanced lines of submergence tolerant jute is completed and research activities are underway under this project to develop submergence tolerant jute varieties 3) The applicability of jute seed production technology is verified with winter vegetables (chilli, tomato, brinjal, radish), pepper and fruit orchard (banana). Jute seed production technology along with chilli, brinjal and radish in grasslands has become popular among farmers	424.00

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৩০/৭/২০২৪

ড. মোহাম্মদ ফারহান শারমিন
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M. R. R.
৩০/৭/২৪

ড. মোঃ জাকির হোসেন
প্রধান বৈজ্ঞানিক কর্মকর্তা
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৩০/৭/২৪

(ড. মাহমুদ আজ হোসেন)
পরিচালক
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Subject: Number of Projects to be Undertaken

Sl No.	Targets	Project Title and Period	Cost & Possible Source of Funding (Tk. million)
1.	2.1	Development of high yielding, hybrid and transgenic crop varieties. 2021-2025/2026-2030	100 GOB
2.	2.1	Extension and expansion of bio-rational based IPM/IDM, INM GAP, Bio-pesticides approaches and organic agriculture. 2021-2025/2026-2030	100 GOB
3	2.3	Production & distribution of good quality seed. 2021-2024/2025-2030	500 GOB
4	2.3	Improvement of Farmers' Livelihood Through Cropping Systems Research and Development in the Central and Southern Regions of Bangladesh	100 GOB
5	2.3	Enhancement of crop production through Farm Mechanization. 2021-2024/2025-2030	300 GOB
6	2.3	Introduction of water saving technologies such as, drip irrigation, sprinkler irrigation, furrow irrigation, alternate furrow irrigation, deficit irrigation, etc. at farmers' levels. 2021-2025/2026-2030	100 GOB
7	2.3	Improvement and extension of the existing cropping pattern and crop zoning to increase productivity. 2021-20214/2025-2028	100 GOB
8	2.3	Women empowerment in production, processing & other income generating activities. 2021-2025/2026-2030	100 GOB
9	2.3	Expansion of appropriate post harvest management technologies (Processing, preservation & packaging) to reduce production loss and develop market linkage among the producer and consumer.	100 GOB
10	2.3	Increase agricultural productivity or production through modern technology transfer, minimizing yield gap, crop diversification & intensification with high value crop production. 2021-2025/2026-2028	100 GOB
11	2.3	Increase water use efficiency through improved on-farm water management technologies such as AWD, Dug well, Buried Pipe, Hose Pipe, Raised Bed rice irrigation, Drip & Sprinklers irrigation, Hand shower irrigation, Mulching etc. 2021-2030	100 GOB
12	2.3	Introduction of renewable energy to provide irrigation. (BJRI)	100 GOB
13	2.3	Development of small farm tools and machinery	200 GOB
14	2.4	Development of HYVs and related production technologies by addressing the climate change and extreme weather for ensuring sustainable jute production systems.	200 GOB
15	2.4	Seed production and supply of climate resilient crop varieties. 2021-2030	100 GOB
16	2.4	Adoption and Expansion of JAF crops cultivation in non-traditional areas like southern delta (saline areas), hilly areas, drought prone areas etc. 2017-2020	100 GOB

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Sl No.	Targets	Project Title and Period	Cost & Possible Source of Funding (Tk. million)
17	2.4	Increase use of rural & urban organic wastages, waste water and crop residues for renewable energy (biogas) and bio-pesticides instead of chemical pesticides. 2021-2030	100 GOB
18	2.4	Integrated Agricultural Development Project in South-west part of Bangladesh.	100 GOB
19	2.4	Emphasis on extension work to mitigate stress condition like drought, salinity, submergences, flooding & other disasters. 2021-2025/2026-2028	100 GOB
20	2.4	Soil management through organic and inorganic amendments. 2021-2026	100 GOB
21	2.4	Development of climate smart crop varieties and Seed. 2021-2030	100 GOB
22	2.4	Development of stress tolerant (Salinity, drought, water submergence, cold, heat, etc and diseases, insect resistant) high yielding major crop varieties. 2021-2030	200 GOB Repeat
23	2.4	Enhance Integrated Agricultural Productivity Approach. 2021-2025	100 GOB
24	2.4	Popularization/Extension of environment friendly green technologies (e.g. GAP, IPM, INM, AWD, Dry seed bed, bio pesticides, organic agril. etc.) 2021-2024/2025-2030	100 GOB (Repeat 2.1)
25	2.5	Collection, preservation and maintenance of plant genetic resources for food and agriculture for medium or long-term conservation. 2021-2030	200 GOB
26	2.5	Morphological and molecular characterization of the collected genetics resources. 2021-2030	300 GOB
27	2.5	Biotechnological and hybrid research capacity development.	200 GOB Repeat
28	2.a	Strengthen and improvement of research and infrastructure facilities of BJRI	1500 GOB
29	2.a	Strengthening research facilities for HQ and outreach stations. 2021-2030	5000 GOB
30	2.a	Strengthening Research-Extension-Education-Farmers linkage among SAARC countries & international organizations.	100 GOB
31	2.a	Manpower development (PhD, MS, Short/long duration training, etc)	200 GOB
32	2.a	Strengthening of ICT for effective and rapid technology transfer.	300 GOB

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৩০/৭/২০২৪

ড. মোহাম্মদ ফারহান শাহমিন
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৩০/৭/২৪

ড. মোহাম্মদ ফারহান হোসেন
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৩০/৭/২৪

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Subject: Number of Projects Under processing/ implementation

Sl no	Project title	Status
1	Pilot project on production and distribution of region-specific quality seed of high yielding jute and allied fiber crops	Unapproved new projects in ADP for FY 2024-2025
2	"Genome Research Based Rapid Jute Decomposition Technology and Jute and Jute Crop Development" Project	Unapproved new projects in ADP for FY 2024-2025
3	"Strengthening research activities of Bangladesh Jute Research Institute" Project	Under consideration of verification committee meeting in the Ministry of Agriculture
4	"Development and popularization of salt tolerant high yielding Jute and allied fibre crop varieties and technologies in the southern region of Bangladesh" project	Feasibility study is continuing
5	"Development and popularization of water logging tolerant high yielding Jute and kenaf varieties and technologies in the Char and Haor areas of Bangladesh" project	Feasibility study is continuing

MZharmin
৩০/৭/২০২৪

ড. মোহাম্মদ হারুন শারমিন
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