

Project Title : Strengthening Biotechnological Research of Bangladesh Sugarcrop Research Institute

Implementation Period : July 2010-December 2014

Estimated Cost (In Lakh Tk.) : 883.62

Actual Cost (In Lakh Tk.) : 883.62

Locations : 09 Upazilla under 09 Districts

Objectives:

1. Development of high sugar, high yielding non-flowering, self-detrashing, erect, water-logging, flood, drought, salinity tolerant and diseases and pest resistance varieties of sugarcane for sugar, gur, chewing and juice purpose using biotechnological tools.
2. Micropropagation of high sugar, high yielding sugarcane varieties, stevia-an elite sweetening herb, palmyra palm and date palm for rapid multiplication and clean seed production.
3. Variety identification and protection using DNA Fingerprinting, molecular characterisation of varieties, active germplasm and development of Marker Assisted Selection (MAS) for sugarcane variety selection.
4. Genetic transformation of biotic and abiotic stress resistance trait(s) through *Agrobacterium*-mediated method of gene transformation.
5. By-product utilization such as transformation of bagasse hemi-cellulose to functional food and plant nutrient through mushroom culture.

Financial and Physical Progress:

(In Lakh Tk.)

Year	Allocation	Fund Release	Project Expenditure	Achievement (%)	
				Physical	Financial
2010-11	228.85	230.00	228.85	99.50	99.50
2011-12	234.77	235.00	234.77	99.50	99.90
2012-13	244.88	245.00	244.88	99.95	99.95
2013-14	130.27	100.00	100.00	100.00	100.00
2014-15	44.85	52.00	45.00	86.54	86.54
Total	883.62	862.00	853.50	99.00	99.01