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Blue Gold Program Wiki

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# File:BGP case study impact of WRM at Amodkhali Satkhira v1.pdf

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### Context and rationale for intervention



The canal travels downstream to meet the Betna river



The Amadkhali sluice gate connects to 19 beels



Local farmers noted that there were silt deposits in the canal following the floods of 2000

The silting of the outfall to Betna river and the poor drainage capacity of the canal resulted in congestion of the catchment. This affected small farmers cultivating aman and boro rice. They then leased out the land to fish farmers.

Large leaseholders then decided to use their land for fishing and started renting land from smallholders. This meant that smallholder farmers soon became jobless and had to migrate seasonally in order to find employment.

BGP assessed the impacts on T-Aman rice cultivation in the Amadkhali catchment area through focus group discussions (FGDs) in 2017 and 2018. This study was conducted during and after the T-Aman rice cultivation periods.

T-Aman rice was cultivated in 15 beels (1,782 hectares) out of a total 19 beels (3,111 hectares) in the area. The farmers in the area had suffered from severe to moderate waterlogging issues for 15 to 16 years and had started reaping the benefits of cultivation only recently.

### BGP interventions

Following a needs assessment, BGP concluded the need to re-excavate the Amadkhali canal with a target to reduce waterlogging. This was necessary for the irrigation of monsoon crops and storage dry month crops.

With the partial pre-excavation work completed in June 2017, the water from adjacent beels started to drain out. Farmers assumed then that they would be able to cultivate T-Aman rice then. They did not have seedlings of their own, so purchased them from the nearby Tala and Kalaroo upazilas.

- T-Aman rice cultivated on 31% of total area in 2017
- Re-excavation completed in 2018
- Farmers had sufficient time to prepare seedbeds
- T-Aman rice cultivated on 54% of total area in 2018

### Outcomes

- Total cost of canal re-excavation: BDT 61,900,000
- Total earning from aman rice for 2018 (4,132 acres x 52 mounds

BGP, funded by the Embassy of the Kingdom of Netherlands, changed the lives of inhabitants of the Amadkhali canal in polder 2. The 8.4 km long canal was re-excavated from 2016-2018.

"Our land was leased by rich people before BGP came in. We are now getting our land back from them."  
-Hafizur Rahman, 45 years old, Dakshin Fingri



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[Original file](#) (1,240 × 1,753 pixels, file size: 2.49 MB, MIME type: application/pdf, 2 pages)

## Summary

Impact of water resource management at Amadkhali, Satkhira

## File history

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Impact of water resource management at Amadkhali, Satkhira

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This page was last edited on 18 March 2021, at 05:35.

## Blue Gold Program Wiki

The wiki version of the Lessons Learnt Report of the Blue Gold program, documents the experiences of a technical assistance (TA) team working in a development project implemented by the Bangladesh Water Development Board (BWDB) and the Department of Agricultural Extension (DAE) over an eight+ year period from March 2013 to December 2021. The wiki lessons learnt report (LLR) is intended to complement the BWDB and DAE project completion reports (PCRs), with the aim of recording lessons learnt for use in the design and implementation of future interventions in the coastal zone.

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