# Rent drikkevand til BASC

På Bangladesh Adventist Seminary & College var deres gamle vandpumpe så nedslidt, at den ikke længere kunne pumpe vand op. Deres erstatningspumper kunne ikke følge med behovet for vand til blandt andet 600 elever, der bor på skolens område. Samtidig var skolens daværende vandrensningssystem også forældet, så vandkvaliteten var ikke i top.

Bangladesh er et land, der ofte påvirkes af oversvømmelser på grund af landets geografiske lokation. Derfor kan man let tænke, at befolkningen har let adgang til vand, men det er ikke tilfældet. Det er et stort problem at få adgang til rent vand. Bangladeshs grundvand er ofte forurenet af E. Coli bakterier, arsenik (i nogle områder) og saltvandsindtrængning (i de kystnære områder). Indtagelse af forurenet vand kan give mave-tarm lidelser og medfører langvarige konsekvenser for helbredet.


FN's verdensmål nr. 6 går ud på at sikre alle har adgang til rent vand og sanitet. Det ser vi i Dansk Børnefond som en vigtig ting for at sikre vores børns sundhed og velfærd.

Dansk Børnefond har støttet et projekt, hvor en ny vandpumpe er blevet sat ned i den eksisterende brønd, så skolen igen kan pumpe vand op til skolens elever og personale. Samtidig er der blevet installeret nye filtreringssystemer på drengenes og pigernes kollegier, så de også har fået adgang til ordentligt renset drikkevand. Under vores besøg i Bangladesh fik vi mulighed for personligt at set den nye vandpumpe og rensningssystemerne. Skolen fortalte os, at de skifter filtre i rensningssystemerne hver uge, så der er garanteret rent vand hele tiden.


# SPECIAL PROJECT REPORT

**Name of project:** Pure Drinking Water Project

**Location:** Bangladesh Adventist Seminary and College (BASC)

**Period of project**: 22 Days (25th May 2022 to 12th June 2022)

**Project description and progress:** This executed project was designed to install a new deep water pump machine in the existing well of the BASC south campus dwellers including students and staff, and to set up a pure drinking water treatment plant for 600 students those who are residing in the dormitories. Additionally, this deep water pump was supposed to supply water to the students' kitchen for cooking and cafeteria for use.

The process was done in accordance with the project planning that **begins** with a proper supervision of an expertise. Moreover, BASC administration and BCSS cooperatively monitored and evaluated all the process of implementation, particularly, technical parts of the treatment plant.

**Secondly,** a deep water pump (2'' inches diameter pipe and 3.5 house power pump) was installed in the existing well. The water supply pipeline channel has been connected to the main delivery water tank so that water can supply everywhere in the south campus as planned. This whole installation process required approximately 6 days since creating purchase order to the company for a water pump machine, delivery and test function.

**Thirdly,** a renowned water solution company was given responsibility to set up this pure drinking water system in the dormitories. The water treatment system is called, "Reverse Osmosis System" which is very effective nowadays for water treatment process. A lot of assessment needed while setting up all this equipment in the dormitories considering its easy access of drinking water for students and its security. Both dormitories have now new water purification system which was implemented by the direct administration of a skilled technician.

**Forth**, after successful implementation of water pump machine and water treatment plant, students from both dormitories have now plenty of pure water opportunity. Students are so excited to receive new water treatment plant in their hostel. They can drink fresh water from this treatment plant.

**Did you encounter particular problems with the project?**

There was no particular problem during the implementation of this project.

**Who will benefit from the project and how will the local community benefit?**

This project has able to provide adequate water access to the students' benefits and staff. In addition, children are now able to drink plenty pure water from the new treatment plant.

Further, BASC has been also benefited financially because they would have to spend money to fix new water pump machine for water supply. Similarly, they would have to do a lot of maintenance for old water treatment process which was not cost effective but now all these problems have been solved.

Project believes that students will be healthy enough as they will drink clean water and will be able to use plenty of water in the bathroom, toilets, and laundry areas. All these benefits will turn into the students' benefits ultimately.

# SPECIAL PROJECT REPORT

## Detailed Financial Report

| **Amounts received** | **USD** | **Local Currency** |
|---|---|---|
| 1st instalment | 4,377.08 | 373,317.00 |
| **Total received** | **4,377.08** | **373,317.00** |

| **Expenses** | **USD** | **Local Currency** |
|---|---|---|
| Pump Machine with installation | 583.12 | 50,000.00 |
| Water Treatment Plant | 2,449.09 | 210,000.00 |
| Plant Installation cost | 466.49 | 40,000.00 |
| Transportation & Protection grill | 233.25 | 20,000.00 |
| Maintenance for 2 years | 247.21 | 21,197.27 |
| Administrative expenses | 397.92 | 34,119.73 |
| **Total expenses** | **4,377.08** | **373,317.00** |
| **Balance** | 00 | 00 |