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**Asia Water Forum 2022**

8–11 August 2022 • Online

Focus Area 2: Universal water supply and sanitation services

## **Session: 2E: Sector capacity and stakeholder engagement**

Schedule: 11 August 2022 (Thu), 9:00 a.m. - 10:30 a.m. (GMT+08)

Presentation Title:

**The Beacon Project: working in partnership with utilities and local government to achieve universal WASH services in Lahan, Nepal**



**ADB**



# Beacon Introduction

## Beacon Project in Lahan and Partnership Modality

- The Beacon Project is a **long-term partnership** between the UK water company **Anglian Water** and its **Alliances (AWA)**, **WaterAid**, the **Nepal Water Supply Corporation (NWSC)**, and the **Ministry of Water Supply (MoWS)** and **Lahan municipality**.
- The Beacon Project aims to **develop and demonstrate holistic solutions** that work across communities, local governments and utilities, and ultimately contributes to Nepal's journey towards achieving the **Sustainable Development Goals (SDGs)**.
- **Declaration of Intent** between MoWS, AWA, and WaterAid to work together in line to the SDG 2030. **Beacon Board** to provide strategic direction and approve Plan and budget. **Board** consists of representatives from the MoWS, NWSC, Lahan Municipality, AWA, and WaterAid.
- **Agreement** between **NWSC, LM, and WA** to guide this unique collaboration. **Project Steering Committee (PSC)** to recommend project plans for Board's approval with agreed timescales/milestones; coordinate with S/Hs for execution of Beacon Plan. PSC is led by Mayor and consists of Federal Water Supply and Sewerage Management Project, NWSC, WSSDO and WaterAid.
- **Project team** of experts/professionals from AW, WA, NWSC to provide required support to realize ONE PLAN of Beacon Project.





## BEACON OUTCOMES 2020–2030<sup>1</sup>



The above wheel shows the outcomes the project intends to achieve in the centre with the accountabilities for each outcome shown in the outer rings. The central outcome of a legacy that grows is shown in the middle, as each of the other outcomes contributes to this outcome.

- **Water security** – long-term sustainable sources of water for all users which enable economic development (new homes and businesses, agriculture and tourism), improve public health and are resilient to future challenges around climate change and the need to protect and enhance the environment for now and future generations.
- **Safe, clean water** – water that is available for people to use is safely managed and a suitable quality for the purpose for which it is to be used.
- **Sanitation with dignity** – people in Lahan believe in the importance of hygiene and sanitation. They have safely managed sanitation facilities and improved hygiene practises in the home, at schools and in healthcare facilities.
- **Sustainable faecal sludge management** – Lahan is known for having a clean environment, with faecal sludge being safely managed and contributing to the local agricultural economy.
- **A legacy that grows** – organisations responsible for the management of water in Lahan are trusted by users and stakeholders, and use gender and caste equality as founding principles. Learnings from the project are shared to increase capabilities across Nepal.







## Water security



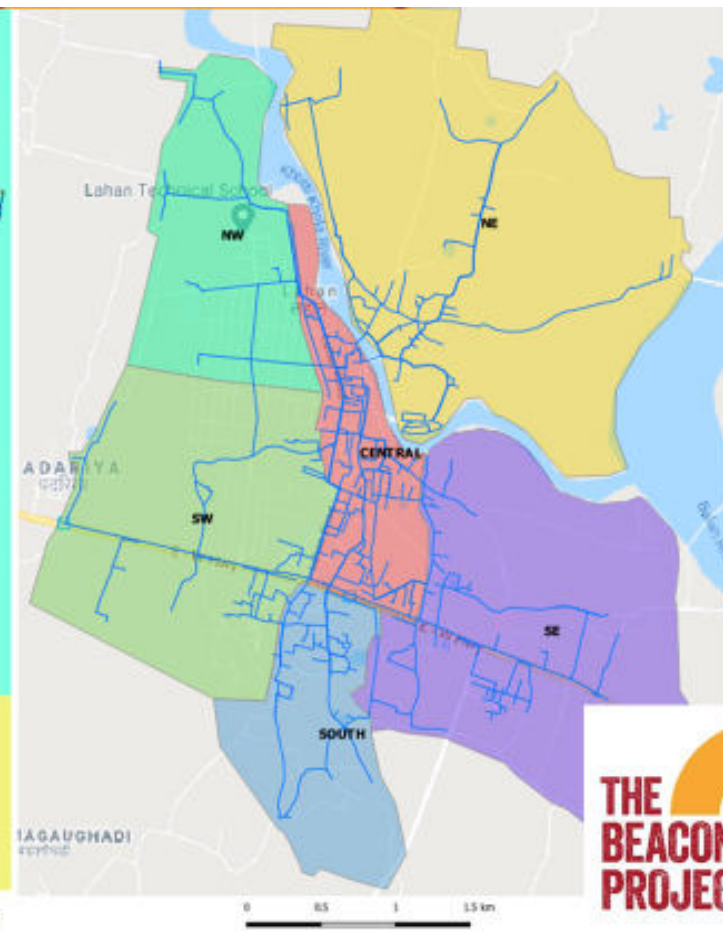
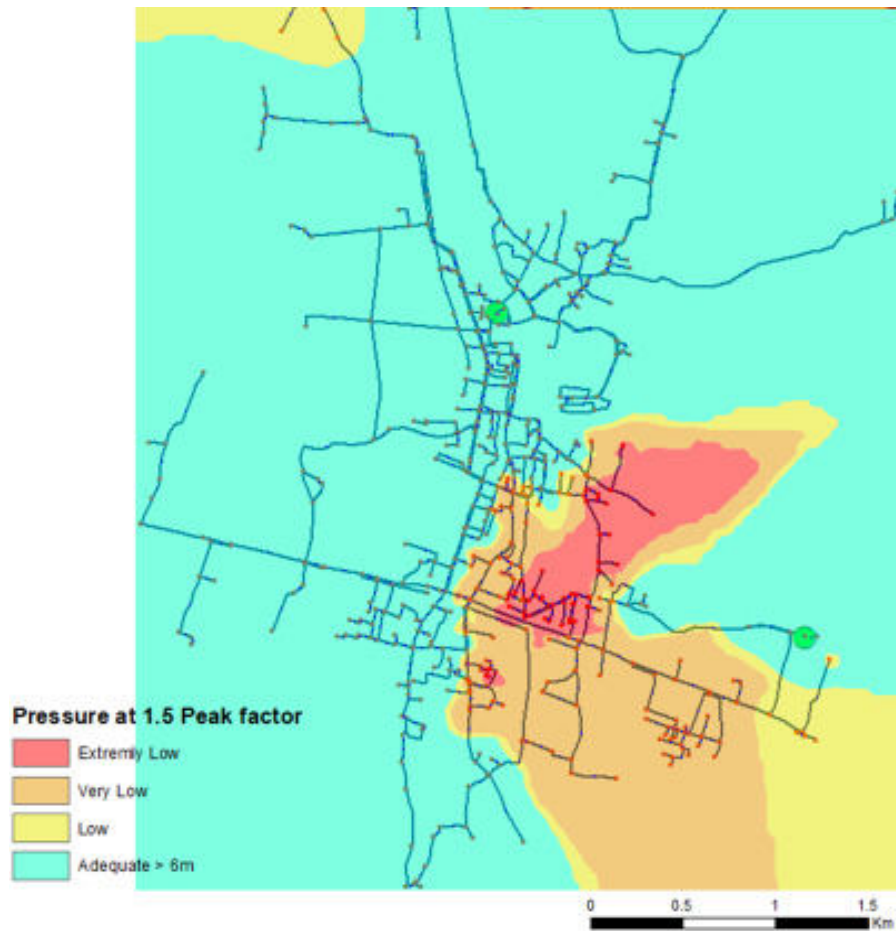
- Commissioned drilling of new boreholes to an improved specification
- Rehabilitated existing boreholes and decommissioned failed boreholes.
- The people of Lahan now receive on average 8 hrs of water each day (5 hrs a day in 2016).
- A hydrogeologist supervises borehole construction.
- Going of detail assessment on WR management with different stakeholder in Lahan

## Safe, clean water: Water treatment



- There was manually Chlorine Dosing System and properly dosing
- Online Chlorine dosing system operating from 2021
- Maintain FRC level
- Installed such system in 3 different zones

# Safe clean water: Hydraulic mapping and DMA planning



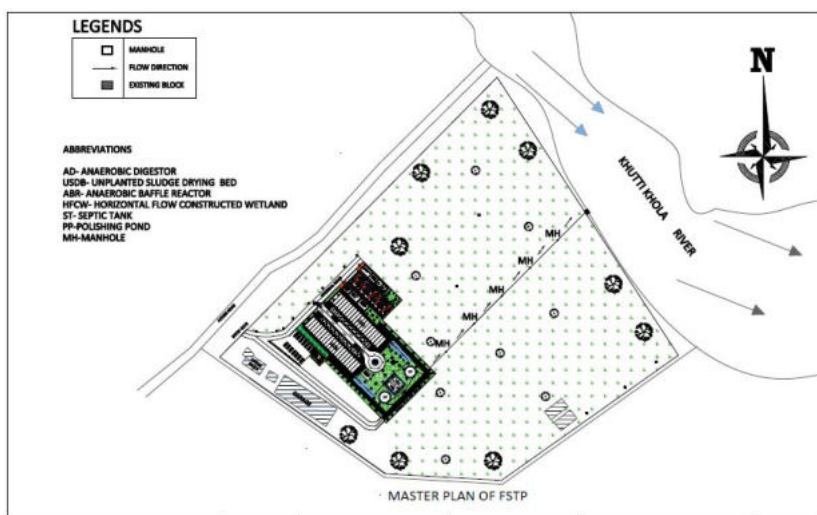


# Sanitation with dignity: Toilets and hygiene in communities and schools



# Sustainable faecal sludge management

- Supported Lahan Municipality in finalization of design for a new faecal sludge management plant, including estimates, drawings and tendering process.



- Supporting Lahan Municipality in preparation of Water, Sanitation and Hygiene (WASH) Plan.



## ||| A legacy that grows: Training of NWSC Branch Managers



Borehole camera training



Borehole drilling training

# MILESTONES

