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PROPOSAL TRAINING LIFE CYCLE COSTING AND DESIGN FOR WATER SYSTEMS

Location: The Netherlands
Duration: 10 days of training
Date: 18- 31 May 2016
Organiser : Dutch Water Authorities
Didactical approach: learning by doing, sharing, discussing, listening, seeing and practicing.

Description

The area of focus is Life Cycle Costing and Design for water systems including sluices, canals and embankments. The central question is: how to design, operate and maintain water system assets in such a way that an effective balance between performances (stakeholders requirements), risks and life cycle cost is obtained. The topic is approached from different angles: theory and practice on technical, managerial, institutional and financial aspects and stakeholder interests.

The learning targets of the training are specified in a request formulated by the Blue Gold project team. In the day-to-day training schedule the learning targets are linked to the presentations and field trips. Further, the participants will be asked to prepare specific questions, problems they encounter in Bangladesh or other issues from their own experience they wish to discuss during the training. These issues will be discussed during the first day and will get special attention during all lectures and field trips.

The training is a mixture of a theoretical approach and common practices in the Netherlands. Participants will have plenty of possibilities to ask for clarification and experiences from trainers, field personnel and stakeholders. A lot of time (4 half days) is reserved for reflection and translation of new information to the participants' own work environment. Two workshops are designed to practice risk based maintenance strategies and long term asset management planning on a water system case study.

Technical aspects of water systems and assets like different life cycles of components, will be dealt with. Field visits are planned to an equipment manufacturer, a dredging project and a high water protection program. Attention is given to the use of tools like life cycle costing and software for data-analysis and water system modelling. During the training participants will work on their own group assignment. Based on their learning objectives they will gather information, analyse information and formulate their final results. These will be presented to a committee of experts who will provide immediate feedback. After the training the participants will have practical luggage and inspiration that will be of use in their regular work.

Lecturers

The training is prepared by the Dutch Water Authorities (DWA), for whom operation and maintenance of water infrastructure is the core business. All lecturers are professionals in asset management and Life Cycle Costing, and all have experience in organising trainings, lectures and field trips. Part of the team of lecturers has international experience in Africa, South East Asia, Middle East. Henk Weijers and Michiel Bentvelsen have visited the Blue Gold project. The team of lecturers is supported by Martine van den Boomen, who has her own consultancy company in asset management and who has an outstanding track record in this topic. She is also guest lecturer at the TU Delft. Further, we collaborate with mr Aselia Pathi-

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DWA Proposal: Life Cycle Costing and Design 14-27Sep2016

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This page was last edited on 6 May 2021, at 05:04.

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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