



Islamic Republic of Afghanistan Ministry of Rural Rehabilitation and Development (MRRD)

National Rural Water Supply, Sanitation and Irrigation Program Ru-WatSIP



Presentation on Annual Review CBIC MRRD/NORAD/
NORPLAN Project

Kabul
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The Project Focus Areas

1. Hydrogeology/Geophysics
2. GIS- and Data Management
3. Water Supply Planning & Design
4. Methodology & Capacity Building

Progress Against Focus Area No-1 : Hydrogeology

- Data collection, surveys & sampling in Faryab have been completed/analyzed.
- Provincial survey report (Water Atlas) drafted.
- The final draft report is nearly completed.
- It will be completed by including the information from ongoing exploratory drilling in Faryab.

Progress Against Project Focus Area No-2 : GIS-MIS/Data Management

- GIS & MIS Unit is established in Ru-WatSIP.
- Databases: data cleaning, data entry, design of hydro-geological maps has now completed.
- Servers and software procured and installed, staff trained, GIS desktop maps prepared & drafted.
- The first version of web based hydro-geological maps simplified and contextualized.
- ArcGIS on-line web utility is freely available.

Progress Against Project Focus Area No-3 : Water Supply Design

- WS design has not progressed due to the Technical & Social problems / lack of funding.
- Focus has rather been placed on water quality testing,
- Development & testing of water technology (solar stills & membrane filtration).

Progress Against Project Focus Area No-4 : Methodology & Capacity Building

The above mentioned outputs seconded by multidisciplinary training:

- Training of conceptual planning, network design, total station & water testing is in progress.

Overall Challenges

- Functionality of the WS infrastructures
- Technological option
- Data availability & documentation
- Understaffing & capacity issues particularly at the sub-national level
- Data collection, interpretation, well hydraulics/dynamics,
- Design & calculation the number of production wells according the storage of aquifers.
- Sustainability & implementation of the model in other provinces,

How ICBC Project Will Help Overcome The Gaps

- Through replicating of Hydro Geological Atlas nationwide, proper WS technologies will be applied
- The trained senior Hydro Geologist will capacitate staff at the provincial level
- MIS/GIS database will help WASH sector policy makers in informed planning & decision
- Improved service provision of water supply using the developed online maps to assess supply coverage to rural population
- Future investment in line with the findings of this project specially in Faryab.
- With the additional funding made by the Norwegian government, focus could be on mid and big scale WS projects,