

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



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Urban water Supply



شرکت آبرسانی
و کاناډیز اسیون شهری افغانستان
**Afghanistan Urban Water Supply And
Sewerage Corporation
(AUWSSC)**

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Fresh water is a finite and vulnerable resource, essential to sustain life, development and the environment

URBAN WATER SECTOR STRUCTURE

The Urban Water Supply and Sewerage Sector Institutional Development Plan (MUDA – 2005) :

- The Plan provided for a separation of roles, from the situation where the MUDA was responsible for policy, regulation and service provision to a situation where MUDA would be responsible for policy.
- **AUWSSC** is responsible for service provision.
- *Independent regulator would regulate both the public and private sectors.*
- In the midterm for regulation as well till we have an independent entity for regulation, MUDA has responsibility on both policy and regulatory issues.

Women play a central part in the provision, management and safeguarding of water

Ministry relevant issues

Constitutional functions

- Sector policy and strategy development
- Urban water sector legal framework development
- Negotiating and signing inter-governmental and donor agreements
- Inter-ministerial issues and overall water sector coordination
- Ensuring that the sector follows national policies
- with respect to social responsibility and social equity

Regulatory functions

- to be executed for the time being by MUDA until an Independent Regulatory Authority will establish and assume certain of these functions

Water development and management should be based on a participatory approach, involving users, planners and policy-makers at all levels

Introduction (AUWSSC)

- The Afghanistan Urban Water Supply and Sewerage Corporation (AUWSSC), a commercialised corporation owned by the Government of the Islamic Republic of Afghanistan (GIROA), has been granted liberal water supply policy and contracting powers by the Cabinet of Ministers, within the context of the water and environmental laws approved by Parliament in 2009 /1378(Declaration no 130) .
- AUWSSC has been approved as a National independent budget entity organisation by the President of Afghanistan on 11 February 2011(22/11/1390)(Declaration 6666).

Water has an economic value in all its competing uses and should be recognized as an economic good

AUWSSC Vision: We will ensure efficient and sustainable provision of safe and clean potable water and sewerage services for the urban and peri-urban population of Afghanistan.

AUWSSC Mission Statement: We continuously improve the production and distribution of safe and clean water, and sewerage services, for the benefit of the Afghanistan population by:-

- ensuring environmentally friendly working practices
- identifying and developing water resources to increase the supply of water
- continuously improving and extending water treatment to increase levels of water quality
- maintaining and developing the existing water distribution and sewerage infrastructure

AUWSSC Core Values: Customer Orientation, Respect for Human Dignity, Integrity, Fairness and Justice, Commitment, Teamwork

Goal:

- Aims at the delivery of affordable, reliable and sustainable urban water supply and sanitation services to the Afghan population.
- Shall be reformed and developed to improve the quality of life in all urban communities, by ensuring an equitable provision of potable water and wastewater services at an affordable cost and on a sustainable basis
 - ❖ Poverty will be reduced
 - ❖ Health generally improved
 - ❖ Economic development promoted

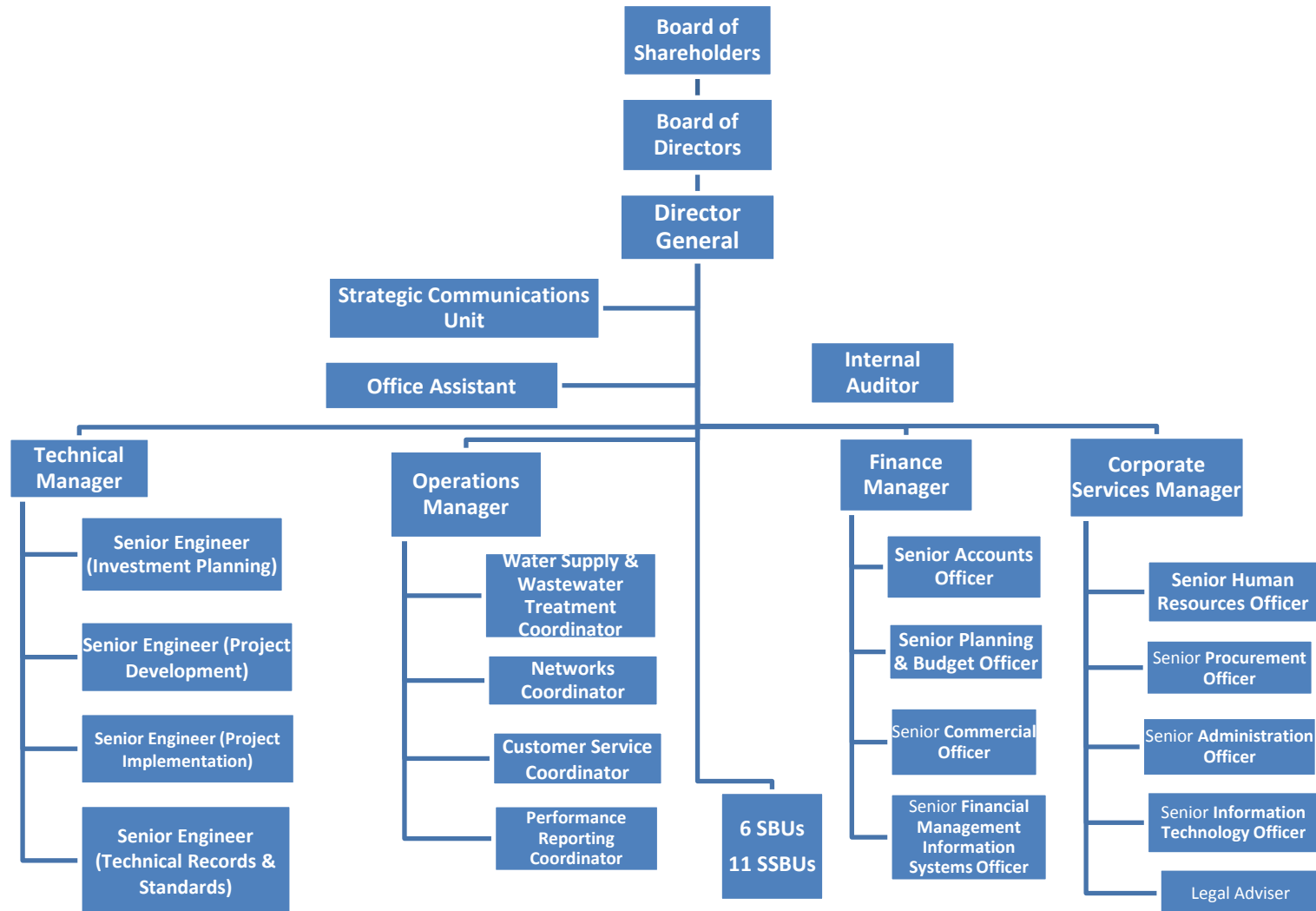


Objectives

- ☐ Increase volume of water supply to Customers
- ☐ Ensure clean and safe drinking water for Customers
- ☐ Improve profit ratios to ensure AUWSSC sustainability
- ☐ Establish Customer Services Department
- ☐ Increase Human Resources Performance
- ☐ Update legislative framework
- ☐ Capacity building staff

AUWSSC Headquarters

Top Level Organisation Structure



Achievements

Consultancy Services for Technical Assistance for Corporatisation and Operation Improvement of AUWSSC World Bank/BCE

➤ Legal

- Draft procedures and regulations (termed “bye-laws” in some countries) prepared
- AUWSSC Charter (Byelaw / Articles of Incorporation) reviewed and some recommended amendments identified
- Draft MoU between AUWSSC-HQ and SBUs prepared as per ToR, to be supplemented by individual Performance Agreements for each SBU

➤ Human Resources / Organisation

- Strategic planning workshop for over 40 delegates held at the end of February
- Training needs assessment for top 3 tiers of management completed, but delivery of training still on hold in advance of recruitment of new blood and implementation of new structure
- Study Tours to Australia for Board and Senior Management Team
- Training for Board of Directors on their fiduciary responsibilities

Achievements(cont')

Corporatisation and Operation Improvement of AUWSSC

➤ Human Resources / Organisation

- New structure was approved by BoD on 04/09/2012 (13/06/1390)
- Structures for SBUs and SSBU are ready for final review with AUWSSC management
- Proposed new grades have been applied to structure – some adjustments are proposed
- Proposed new salary scale has been developed and benchmarking is in progress
- Job descriptions being developed on a priority basis
- Draft HR Policy was submitted in May 2012
- Staff assessment process defined, draft Board paper submitted
- Assisted with recruitment, reviewing shortlists and participating in interview panels as and when required

Achievements(cont')

Corporatisation and Operation Improvement of AUWSSC

➤ Financial

- Assisted with completion of audit and submission to World Bank for partial reimbursement of operation costs for SBUs, for 1388 and 1389
- Workshops to train / communicate to SBUs on Liquidation Committee report and data requirements to complete financial statements
- LC Report reconciled with SBUs' records in order to arrive at Opening Balance Sheet
- Financial statements for 1388 and 1389 submitted (in May and October 2012) for auditing
- Assisted with various correspondence with WB, and with updating of procurement plan
- Proposed approach to procurement of IT systems needs to be discussed with client and WB (meeting has been requested)

Achievements(cont')

Corporatisation and Operation Improvement of AUWSSC

➤ Technical

- Site visits and assessments of operations in Kabul, Mazar-e-Sharif, Jalalabad & Herat (no site visits to Kunduz or Kandahar to date due to security / logistics considerations)
- Workshop held to present new formats for O&M reporting and train operations staff in their use
- Development of O&M Manual (in progress)
- Development of job descriptions and input to organisation development
- Development of investment plan (in progress)
- Assisted with reviews of procurement documents and tender evaluations for various projects

➤ General

- Provision of ad hoc advice and on-the job training is ongoing continuously

Achievements(con't) *(Financial Cooperation)*

Urban Water Supply, Kabul, (approx. 400,000 beneficiaries)

- ☐ Construction of 21 production wells and 3 observation wells (completed)
- ☐ Equipment of 9 new wells (Logar and Allaudin well fields) completed, ready for testing hand handing over, connected to DABS city power.
- ☐ Extension of 2 main pumping stations (in progress, Bagrami PS 100% completed; Allaudin PS 90% completed, but major delays)
- ☐ Installation of 40 km collector and transmission mains (in progress, 95% completed)
- ☐ Rehabilitation of 3 major reservoir valve chambers (in progress, 75% completed)
- ☐ Installation of new local networks and house connections (Koshal Mena, Parwan 3, Dewan Bigi, Rahman Mena), implementation started.
- ☐ AUWSSC/KSBU New Headquarter building, (completed 100%)
- ☐ Demarcation walls for future reservoir sites (in progress)

Achievements(cont') (*Financial Cooperation*)

Northern Provinces Afghanistan – Urban Water Supply Programme I

- ❑ Construction and extension of water supply systems in Balkh, Imam Saheb and Faizabad
- ❑ Drilling of new wells in all project towns: 6 (completed)
- ❑ Implementation of immediate/complementary measures in Faizabad (completed)
- ❑ Contract for Water Supply System in Balkh: construction started
- ❑ Contract for Water Supply System in Imam Saheb: ready for award; land problems still to be resolved
- ❑ Contract for Water Supply System in Faizabad: to be retendered; land problems still to be resolved

Achievements(cont') (*Financial Cooperation*)

Northern Provinces Afghanistan – Urban Water Supply Programme II

- ❑ Immediate Measures for 8 towns within the Northern Provinces: Mazar-i-Sharif, Pul-i-Khumri, Taloquan, Kunduz, Hayratan, Nawabad, Khanabad, Aliabad
- ❑ Rehabilitation of existing wells: 10 (completed)
- ❑ Drilling of test / production wells: 10 (6 completed, 4 under construction)
- ❑ Construction and completion of water supply networks in Mazar-i-Sharif, Pul-i-Khumri and Taloquan:
 - ✓ PUK in total 20 km (12 km completed), TAL in total 23 km (7 km completed), MZR in total 32,6 km (17.4 completed)
 - ✓ Construction / Completion of 8 Water Reservoirs (Steel Tanks), 6 in PUK and 2 in TAL (95% completed)
 - ✓ Construction / Completion of 9 Wells: 6 for PUK / 3 for TAL (90% / 0% completed)

Achievements(cont') (technical cooperation)

- Support in elaboration of River Basin Management procedures (in process of approval)
- Urban Water Supply
 - ❖ Kunduz: 1100 more house connections
 - ❖ Herat: 130,000 refugees connections in 1 year
- Sanitation
 - ❖ Herat: 3 Pilot installations in 2010
- Installation of a Customer Management System (data bank)

Achievements(cont') (Government projects)

- Farah city:
 - ❖ survey, design, drawings completed
 - ❖ Bid document ready for tendering
 - ❖ Phase I has started
- Aybak city:
 - ❖ first phase - transmission SPC approved,
 - ❖ second phase - city network - design is 90% complete
 - Phase I work has started
- Andkhoy project
 - ❖ physical work is 98% complete

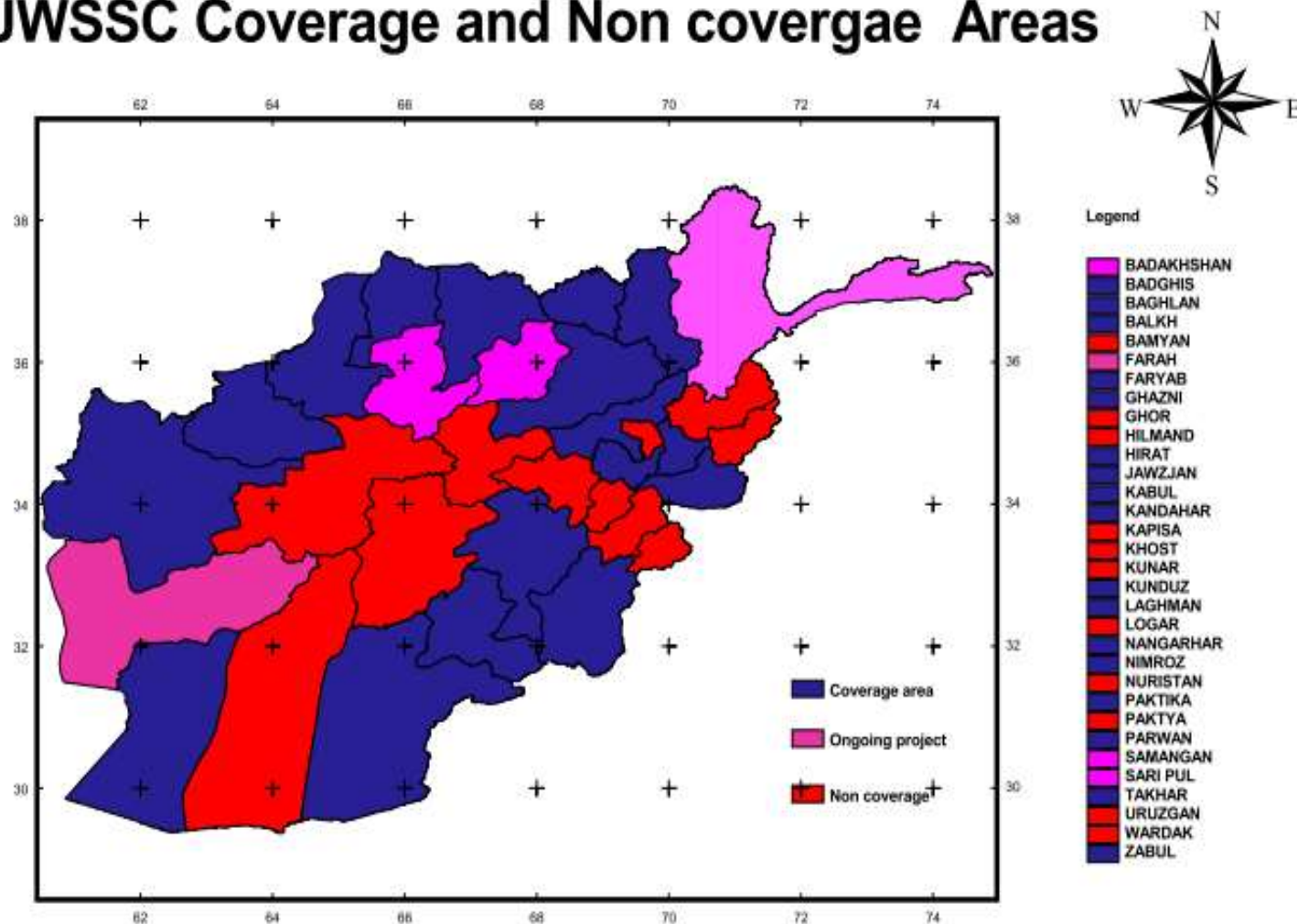
Achievements(cont') from other donors

- **World Bank:** Kabul, Advisor for AUWSSC corporatisation
- **CIDA:** Kandahar Urban Water Supply Projects
- **ICRC:** Kandahar, Jalalabad, Mehterlam, Farah
- **EC (ACF, Solidarité):** Parwan, Kabul
- **USAID/ICMA:** Ghazni, Gardez, Jalalabad, Mazar
- **JICA:** Metropolitan Area, DCDA
- **PRT:** Several projects in different provinces

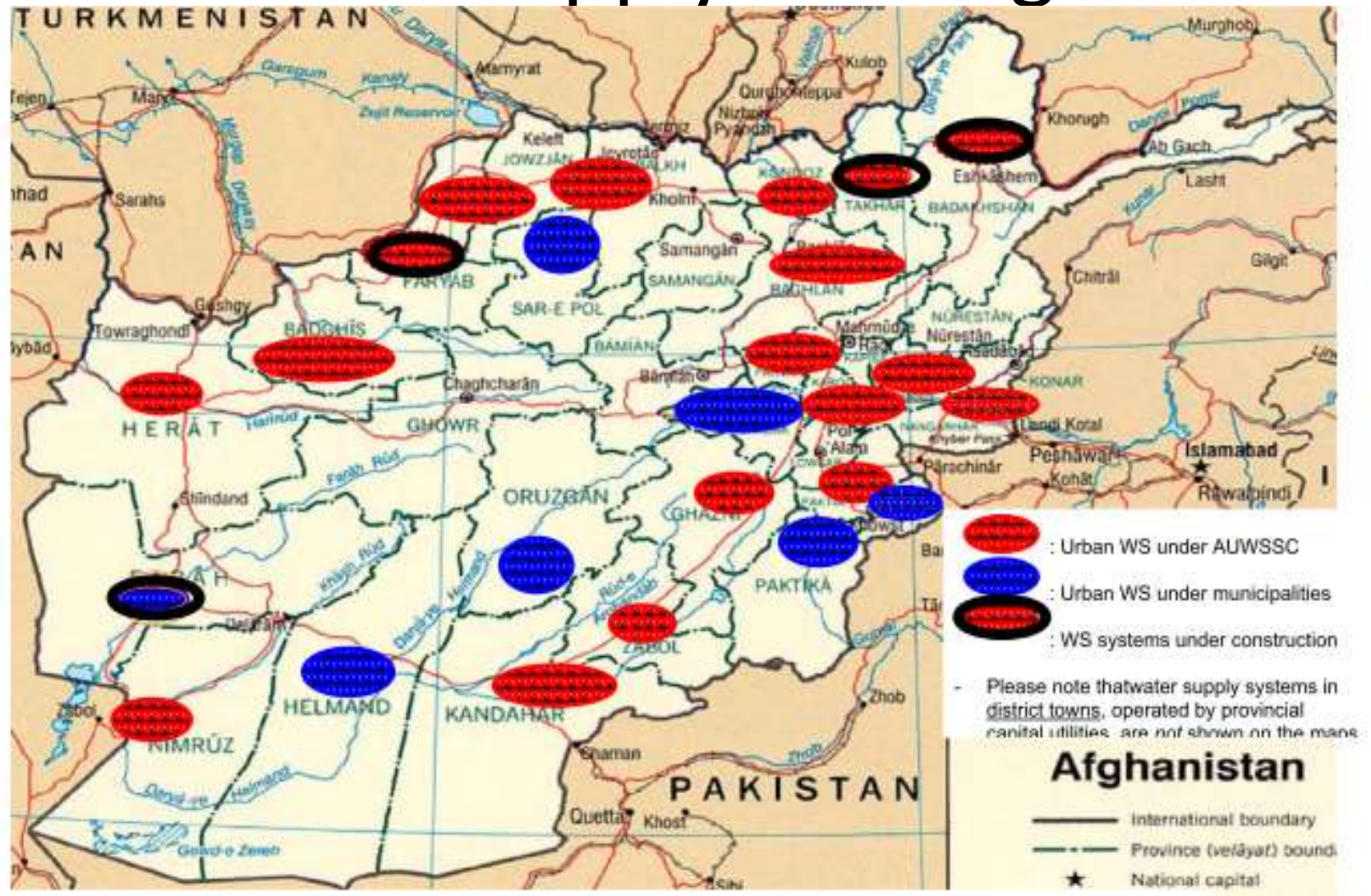
Achievements(cont') - Water Supply System Improvements

No	Descriptions	Unit	21 st March 2009 AUWSSC	21 st Sep 2012 (2 nd Quarter 1391)	Difference	Changes (%)
1	Total Transmission Line end Distribution Line Length	KM	1953	2641	688	35
2	Total Connection Registered	NO	110597	149107	38510	34
3	Water Production Per day	M ³	84541	111642	27101	32
4	Coverage Population	%	23	30	7	30.4

AUWSSC Coverage and Non coverage Areas



Urban water supply coverage Areas



Planning (2011 – 2013)

- Complete the construction works under **STP** phase and start **MTP-1** phase (e.g.: increase production capacity from 60,000 to 100,000 m³/d) (**KfW**)
- Implementation of a National Water Master Plan
- New investment planning **MTP2** (Ahmadsh Baba Mena), the RFP is under evaluation (**WB**)
- Implement modern technologies for supplier's operations in Kabul, Herat, Kunduz, Mazar and other northern towns
 - ❖ Efficient and sustainable system of technical O+M
 - ❖ Performance-oriented sustainable HR management system
 - ❖ Strategic management system
 - ❖ Sustainable commercial and financial management system

Planning (2011 – 2013) con't.

- Support establishing a waste water policy and strategy for semi- and peri-urban areas
- Support implementing a system of Regulations and Standards
- Support implementing a Business Plan and Development Scenario for AUWSSC
- Support establishing by-laws, regulations and guidelines
- Support establishment of a drinking water protection strategy
- Preparation of NPP approved in Tokyo conference.
- MTP 1 committed by KFW, USAID and AFD €66m
- and MTP 2 \$100m world bank for Kabul city

Planning from other Donors

- USAID: Kabul, Kandahar, Uruzgan, Helmand
- World Bank: Kabul, Advisor for AUWSSC corporatisation, MTP2
- Government: Aybak, Farah phase II network
- EC (ACF, Solidarité): Parwan, Kabul
- ICRC: Kunduz, Kandahar, Jallalabad, Metarlam
- JICA: Metropolitan Area, Panjsher fan, Greater Kabul
- Several PRT projects in different provinces

Challenges

- Lack of funding for UWSS investment projects(financing gap Kabul)
- Lack of financial resources-budgetary provision rather than need assessment
- Insufficient capacity on water resources management (awareness, human resources)
- Illegal connections, old water supply system, Missing land acquisition rights
- Lack of water resource management (Digging of boreholes , Climate change and draught , water use management)
- None conjunctive use of ground and surface water
- Contamination underground water and surface, water quality
- Rapid Population growth and Inappropriate urbanization and extension
- Cost covering tariffs or subsidies in the near future
- Unplanned settlements in the urban and peri-urban areas
- Lack of enough fresh water resources & lack of treatment facilities for wastewater generated
- Fragmented institutional roles and responsibilities
- Low priority given to the urban water sector

Recommendations

- Long-term commitment of donors/GoA
- Institutional strengthening through development of policies and strategies
- Support Directorate of water supply, environment and sanitation of MUDA in adequate level of capacity building, ample staffing and funding to carry-out constitutional and regulatory functions
- Establishment of a strong, fully functional Independent Regulatory Authority for urban water supply and sewerage sector
- Regulation and establishment of for water resources protection zones
- Investment on drinking water quality monitoring system and O&M
- Setting up a comprehensive development / investment plan
- Capacity development/building (investment and planning)
- Investment on improvement of service quality
- Investment on Conjunctive use of ground water and surface water
- High priority on investment at save and clean drinking water project

Thank you