



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

## Monthly Progress Report of October 2019



### Rural Water Supply and Sanitation Program (Ru- WatSP)



facebook

National-Rural-Water-Supply-Sanitation-and-Irrigation-Programme



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## Abbreviations

AC CLTS	Afghan-Context Community-Led Total Sanitation
ALC	Accelerated Learning Centres
CBE	Community-Based Education
CDCs	Community Development Councils
CHWs	Community Health Workers
CLTS	Community-Led Total Sanitation
FHAG	Family Health Action Group
M&E	Monitoring and Evaluation
MoF	Ministry of Finance
NSIA	National Statistic and Information Authority
OD	Open Defecation
ODF	Open Defecation Free
PIU	Project Implementation Unit
PRRDs	Provincial Rural Rehabilitation Departments
SHP	Sanitation and Hygiene Promotion
WASH	Water, Sanitation, and Hygiene
WHO	World Health Organization
WQC	Water Quality Control

## Executive Summary

- In the course of October 2019, the Sanitation and Hygiene Promotion (SHP) unit of Ru-WatSP has verified as many as 71 communities and certified 48 others as Open Defecation Free (ODF) mostly in Badghis and Badakhshan provinces, as well as it could encourage villagers to build as many as 436 latrines at homes after they understood the importance of sanitation during the implementation of Community-Led Total Sanitation (CLTS) approach.
- In relation to water supply projects, which have been funded by the Ministry of Finance (MoF) through the State budget, 18 water supply projects have been completed this month in Parwan, Takhar, Jowzjan, Khost, Ghor, Kabul, Wardak and Nangarhar provinces.
- In October 2019, more than 21 WASH projects have been accomplished in Daykundi, Bamyan, Helmand, Paktia, Ghor and Urozgan provinces. Meanwhile, the contracts of 13 new WASH projects have been signed with related CDCs in Badghis, Bamyan, Kandahar, Daykundi, Herat and Zabul provinces.
- In the month of October 2019, the Water Quality Control (WQC) unit of Ru-WatSP has collected and checked 29 water samples and verified the accuracy of 51 others, which had been tested by 10 Provincial Rural Rehabilitation Departments (PRRDs).
- The Monitoring and Evaluation (M&E) unit, during this month, has handed over two water supply projects in different districts of Kunduz and Jowzjan provinces, as well as, it has monitored the working affairs of 36 other ongoing projects in Kunduz, Jowzjan, Sar-e- Pul, Nangarhar and Kandahar province.
- During this month, the Hydrogeology and Geophysics (H&G) unit has conducted a hydrogeological observation survey at nine points and geophysical investigation at 10 points in Takhar province, as well as it has entered the data of 37 drinking water wells' projects in Ru-WatSP's Management Information System (MIS).

## 1. The Sanitation and Hygiene Promotion Unit

### Project Implementation Progress

The Sanitation and Hygiene Promotion (SHP) unit, which is implementing the Afghan-Context Community-Led Total Sanitation (AC CLTS) approach in the rural areas of a number of provinces, this year, including Badghis, Helmand, Bamyan, Daykundi, Badakhshan, Ghor, Nangarhar, Paktika and Kandahar provinces, have fulfilled the following activities in October 2019:

- Some 71 communities verified and 48 certified as ODF mostly in Badghis and Badakhshan provinces;
- The AC CLTS triggering – the primary stage for CLTS implementation - conducted in some 23 communities mostly in Nangarhar, Bamyan and Paktika provinces;
- At least 436 latrines have been newly built and 2,077 others improved by the community people after they were mobilized and encouraged in the AC CLTS implementation process to eliminate Open Defecation (OD) and have latrines at homes, and
- As many as 65 Family Health Action Group (FHAG) members and 86 community elders trained in hygiene behavior change.

For further details, please refer to (Annex I) at the end of the report.



*CLTS triggering being facilitated in Abobakar community in Zarghoon Shar district of Paktika province*



*A newly-constructed latrines in Hajji Agha village in Nawa district of Helmand province*

### Project Implementation Challenges

#### Risks and Issues

- Security constraints in most of the aforementioned provinces

### Plan for the Next Month

- ODF verification of Yaftal-e-Paeen, Lal-o-Sar-e-Jungle and Shahristan districts
- Follow up of ODF verified villages;
- Carrying out the certification process at ODF villages;
- Conducting hygiene education workshops for the community elders of the CLTS implementing areas;
- Conducting hygiene education sessions in the AC-CLTS implementing areas for female Community Health Workers (CHWs) and Family Health Action Groups (FHAGs), and
- Monitoring field activities

## 2. Ministry of Finance-Funded Projects

### Project Implementation Progress

During October 2019, as many as 18 Ministry of Finance (MoF)-funded water supply projects have been completed in Parwan, Takhar, Jowzjan, Khost, Ghor, Kabul, Wardak and Nangarhar provinces, as well as the contracts of 24 other projects have been inked with related Community Development Councils (DCDs).

#### **The completed projects consist of the construction of:**

- 11 water supply networks in Jabal Saraj district of Parwan province, Farkhar district of Takhar province, Center of Jowzjan province, Ismail Khail Mandouzai, Tani and center of Khost province, Dawlatyar district of Ghor province, central Behsood district of Wardak province, Nazyan district of Nangarhar province and
- Drilling of three bore wells in Paghman, Istalif and Farza districts of Kabul province and three other in central Behsood district Wardak province, and
- Construction of an irrigation water reservoir in central Behsood district of Wardak province and four other drinking water reservoirs in Khawja Dohkoh and Aqcha districts of Jowzjan province.

The total cost of these projects is 34,774,568 AFN. They created around 24,192 working days for the residents of the pertaining localities and around 18,485 individuals were benefitted from these projects.

#### **The newly contracted projects include:**

- Construction of 2,048-meter long irrigation canal in Zazi Aryub district of Paktia province,
- Drilling of 55 bore wells fitted with hand pumps in Bagرامي, Surobi and Deh Sabz districts of Kabul province, and in Dasht Archi district of Kunduz province with two irrigation bore wells in center of Logar province, and
- Construction of 16 water supply networks in Rokha district of Panjsher province, Chal district of Takhar province, Tani district of Khost province, Lal and Sar Jangal district of Ghor province, Qarabagh district of Kabul province, Center of Kapisa province, Zhari district and center of Kandahar province, and Khiwa district of Nangarhar province.

The total cost of these projects is estimated at 54,522,924 AFN. These projects will create as many as 40,778 working days for the residents of the aforementioned provinces.

### **Projects Implementation Challenges**

#### **Risks and Issues**

- Insecurity in some areas caused a delay in the handover process of some projects.

#### **Plan for the Next Month**

- Carrying the contracting process of new projects with related CDCs, and
- Handover of completed projects, if there is any.

## **3. UNICEF-Supported WASH Projects**

### **Projects Implementation Progress**

In October 2019, more than 21 WASH projects have been accomplished in Daykundi, Bamyan, Helmand, Paktia, Ghor and Urozgan provinces. Meanwhile, the contracts of 13 new WASH projects have been signed with related CDCs in Badghis, Bamyan, Kandahar, Daykundi, Herat and Zabul provinces.

#### **The 21 completed projects include the construction of:**

- Three gravity-fed water supply networks in Zazi Aryub district of Paktia province and Khadir district and boring of one shallow well and construction of one sanitation latrine in Nili center of Daykundi province;
- Boring of 26 shallow wells with equipping them with hand pumps and construction of latrines for Accelerated Learning Centers (ALC)/Community Based Education (CBE) schools in Yakawlang, Panjab, Waras and Khahmard districts of Bamyan province and Dolaina district and Firuzkoh, the provincial capital of Ghor province;
- Boring of deep wells along with the construction of one big solar pipe scheme in three phases in Jani Khil district of Paktika province;
- Construction of eight solar-powered water supply network in Bost district of Helmand province and Tarinkot, the provincial capital of Urozgan province.

The total cost of these projects is USD 578,379 and with their completion, as many as 4,321 families got access to clean drinking water.

The newly-contracted water supply projects consist of:

- Rehabilitation of 30 rooms, sanitation latrines and boring of two shallow wells are going to be provided for ALC/ CBE in Qalat center Zabul province.
- Construction of water supply system and rehabilitation of 11 room sanitation latrines in refugee camp in Noor Abad of Kohsan district in Herat province.

- Construction of two solar-powered water supply networks in Shah Walikot district of Kandahar province and Pato district of Daykundi province.
- Construction of one gravity-fed water supply network in Siaghan district of Bamyan province.
- Construction of one big gravity-fed water supply network in two phases in Qalai Naw center of Badghis province.
- Construction of two solar-powered water supply networks in Qalai Naw center of Badghis province.
- Rehabilitation of one solar pipe scheme in Qalai Naw of Badghis province.
- Construction of 12 RCC water reservoirs in Moqur and Qadis districts of Badghis province.

The total cost of these projects is estimated at USD 406,586. With the completion of these projects, as many as 3,124 families will be benefitted.

### **Project Implementation Challenges**

#### **Risks and Issues**

- Delay in payments from UNICEF side for zonal offices, and
- Security constraints in the north and south regions.

#### **Plan for the Next month**

- Handover of some WASH projects in five regions.
- Joint MRRD/ DACAAR monitoring of WASH projects in center and regions and
- Issuance of final payments for some WASH projects.

## **4. Water Quality Control Unit**

### **Project Implementation Progress**

In the month of October 2019, the Water Quality Control (WQC) unit of Ru-WatSP has collected and analyzed 29 water samples and verified the accuracy of 51 others, which had been tested by 10 PRRDs, details of which are tabulated in below table.

The 51 water samples which had been tested by PRRDs and their results were sent to Ru-WatSP laboratory for confirmation were re-checked. The results of 16 water samples which had been taken from water sources in Nili and Miramoor districts of Daykundi province, Qadis district of Badghis province, Samkani district of Paktia province, 4<sup>th</sup>, 10<sup>th</sup> and Paghman districts of Kabul province were not consistent with Afghanistan drinking water quality standards and the World Health Organization (WHO) guidelines. Therefore, the WQC unit suggested disinfection of those water sources and re-testing before using. Meanwhile, the communities were advised to protect those sources from wastewater and animal excreta.

In relation to the 29 water samples that had been analyzed by Ru-WatSP's lab, the results showed the existence of physicochemical and bacteriological parameters in seven of those water samples, which were taken from a water source located in Mardyan district of Jowzjan province and 4<sup>th</sup> district of Kabul province. The parameters were much than the permissible limit of Afghanistan national drinking water quality

standards and were not in line with WHO guidelines. Therefore, water of those sources was not suitable for drinking. The WQC instructed the Ru-WatSP's Project Implementation Unit (PIU), PRRDs and other related units not to construct water supply network on those water sources.

Besides, during October of 2019, the WQC unit trained four students from the Geoscience Faculty of Kabul University in collecting drinking water samples from water sources, testing them for 28 physicochemical and bacteriological parameters and disinfecting the drinking water at homes.



*Kabul University students testing total hardness in water samples during the training by Ru-WatSP's WQC unit*

In addition, in the month of October the WQC unit with the cooperation of PRRDs disinfected/chlorinated 11 water sources in Kabul, Herat, Jowzjan and Badghis provinces and make it safe for drinking.

### **Project Implementation Challenges Risks and Issues**

- Due to security threats in Faryab and Jowzjan provinces, the technical teams couldn't travel to some areas for collecting water samples from water sources.

### **Plan for the Next Month**

- Assisting the Biology Faculty of Kabul University in preparation of a list of laboratory instruments and procurement those materials;
- Cooperation with Afghanistan National Statistic and Information Authority (NSIA) in carrying out the Household Income Expenditure and Labor Force Survey.
- Training two students from Geoscience Faculty of Kabul University in water quality testing, and

- Analysis of water samples which will be collected from Takhar, Kabul and Jowzjan province.

## 5. The Monitoring and Evaluation Unit

### Project Implementation Progress

During the month of October 2019, the M&E unit of Ru-WatSP has handed over two water supply projects in Kundoz and Jowzjan provinces, as well as, it has monitored the working affairs of 36 other ongoing projects in Kundoz, Jowzjan, Sar-e-Pul, Nangarhar and Kandahar provinces.

The handed over projects include the construction of:

- One water supply network in Rustaq Abad village in Kundoz, the provincial capital of Kundoz province, and
- One underground water reservoir in “Kha Jabchi wa Mang Jikullah” village in Mangajik district of Jowzjan province.

The total cost of these projects 12,595,518 AFN, which were funded by the MoF and UNICEF. The construction affairs of these projects created over 2,000 labor days, and with their completion, around 1,170 families got access to clean drinking water.



*A newly-constructed and handed over water supply project by Ru-WatSP/MRRD in “Khal Jabchi” village in Mingajik district of Jowzjan province*

Besides, in the course of this month the M&E team monitored the construction affairs of 36 water supply projects in different districts of Kunduz, Jowzjan, Sar-e-Pul, Nangarhar and Kandahar provinces.

The implementation teams of these projects were provided with the technical instruction for smooth and better implementation of the projects. The monitoring detailed report was shared with the related project managers.

## **Projects Implementation Challenges**

### **Risks and Issue**

- No problem or issue is reported.

### **Plan for the next month**

- Monitoring of water supply projects at Kandahar, Helmand, Urozgan, Zabul, Parwan and Jowzjan provinces.
- Handover of completed projects if there are any.

## **6. Hydrogeology and Geophysics Unit**

### **Project Implementation Progress**

The Hydrogeology (H&G) unit of Ru-WatSP has reported its work progress in October 2019, as below:

- Data of 37 drinking water well construction projects in different districts of Helmand, Kunar, Kandahar, Bamyan, Kabul, Nangarhar, Zabul, Paktia, Ghor, Daykundi, Balkh, Herat and Badakhshan provinces was successfully entered into Ru-WatSP's MIS.
- Estimated cost and Bill of Quantities (BoQs) of wells located in Sorakh Sang village at Jaghori district of Ghazni province, residential apartments for Polytechnic university lecturers at Karta-e-Mamoorin area at 3<sup>rd</sup> district and Dawat University at 5<sup>th</sup> district of Kabul city.
- Designing of one water well on the basis of collected samples located in Bazar Ghojar village at Jaghori district of Ghazni province.
- Monitoring the process of casing and filter pipes installation of a 150-meter deep well in Shahrak Mayobin at 15<sup>th</sup> district of Kabul city.
- Carrying out hydro-geological observation survey and provision of BoQs for constructing two wells in Char Asiab district of Kabul province and Ghazni province.

- Conducting geophysical investigations at 10 points in different villages in Ashkamish, Bangi, Farkhar and Kalafgan districts of Takhar province, and
- Conducting a hydro-geological observation survey at seven springs located at Bangi, Kalafgan and Farkhar districts of Takhar province.

### **Project Implementation Challenges**

#### **Risks and Issues**

- No risk or challenge has been reported.

#### **Plan for the Next Month**

- Conducting geophysical investigation at Khost and Herat provinces.

## 7. Annexes

### Annex I: SHU Activities during the Month of October 2019

S.N	Province	District	Total # of triggerings	Total # of latrines newly built	Total # of latrines improved	Total # of FHAG members trained	Total # community elders trained	Total # of ODF verified communities	Total # of ODF certified communities
1	Badghis	Ab Kamari	-	21	801	-	-	25	25
2	Helmand	Nahr-e-Seraj	-						
		Nawa	-	146	430	-	-	15	-
3	Bamyan	Waras	8	-	-	-	-	-	-
4	Daykundi	Shahristan	-	65	316	-	-	10	6
5	Paktika	Zarghon Shahar	7	50	93	-	-	-	-
6	Kandahar	Panjwae	-	3					
7	Badakhshan	Yaftal-e-Payen	-	31	61	35	-	13	13
8	Ghor	Center District (Feroz Koh	-	-	-	-	-	-	-
		Lal wa Sar-e-Jungale	1	108	238	30	86	8	4
9	Nangarhar	Surkhrood	-	-	-	-	-	-	-
		Kuz Kunar	7	12	138	-	-	-	-
<b>Total</b>			<b>23</b>	<b>436</b>	<b>2,077</b>	<b>65</b>	<b>86</b>	<b>71</b>	<b>48</b>

**Annex II: Water Samples, Collected and Tested in October 2019**

S/N	Provinces	Districts	# water sample
1	Jawzjan	Mordyan, Aqcha, Faiz Abad and Mangajik	17
2	Ningarhar	Spinghar, Rodat, Sorkh Road, Khogiani, Laalpoor and Nazyan	12
3	Nuristan	Center of Nuristan, Waygal and Waama	4
4	Kabul	4 <sup>th</sup> , 10 <sup>th</sup> , Deh Sabz, and Paghman	8
5	Kunar	Center of Kunar	1
6	Badghis	Abkamari, Qadis and Bala Murghaab	20
7	Paktia	Chamkani and Mir Zeka	4
8	Daykundi	Nelli and Miramoor	12
9	Urozgan	Trinkoot	2
<b>Total of Water Sample</b>			<b>80</b>