

Taywara district rehabilitation of water source coverage area



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	TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	-	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
	SURVEYED BY	Ismael Farja	3-May-2026		DISTRICT	Taywara	START DATE	-	DRAWING TYPE	Coverage area Map
	DRAWN BY	M.Ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	-	E	65°25'22"
	REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°31'29"
	APPROVED BY	Francois Habitegeko	-							

Misgaran village water source coverage area



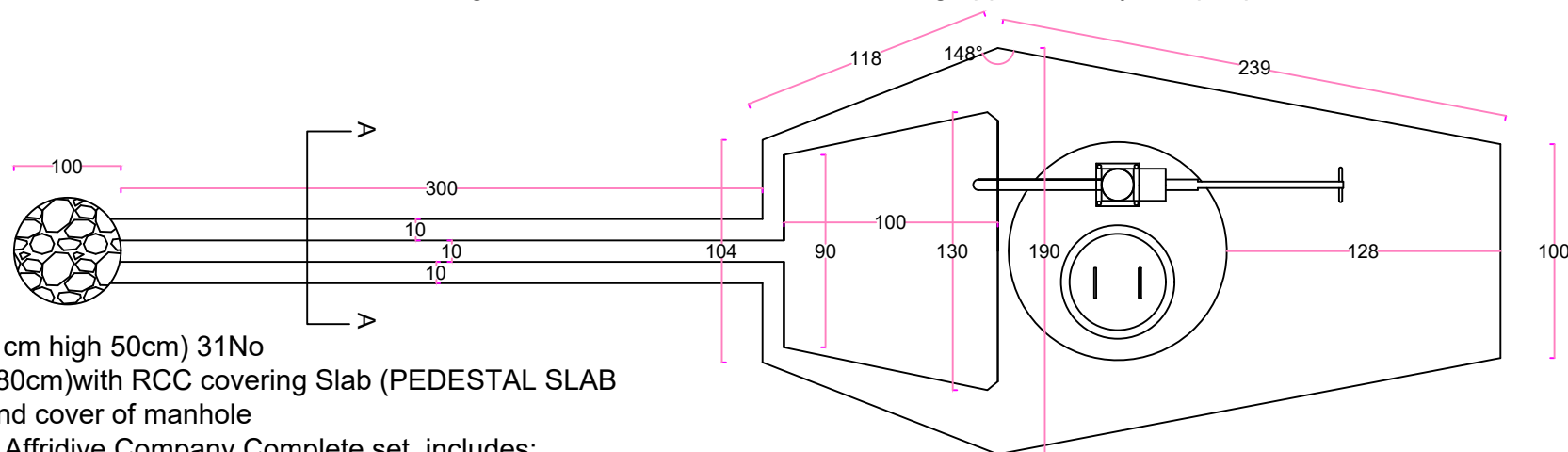
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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M.Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Google map of Misgaran village
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	65°25'22"
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°31'29"
APPROVED BY	Francois Habitegeko	-							

Misgaran Public well

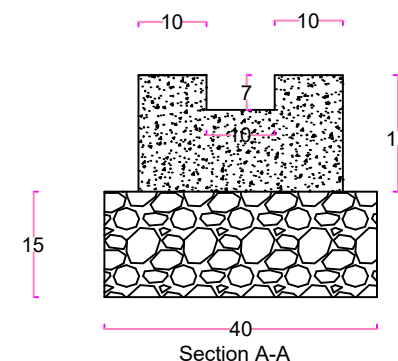
This is a public dug well located in the south of Misgaran village. There is no other source of drinking water in the village, so all residents rely on this unprotected well. During the summer, the water level drops significantly, making it necessary to deepen the well by approximately three meters. The current depth is 12.5 meters, with only a 1-meter water column.

Rehabilitating this well would provide access to safe and clean drinking water for around 25 families, totaling approximately 175 people.



Need for this well

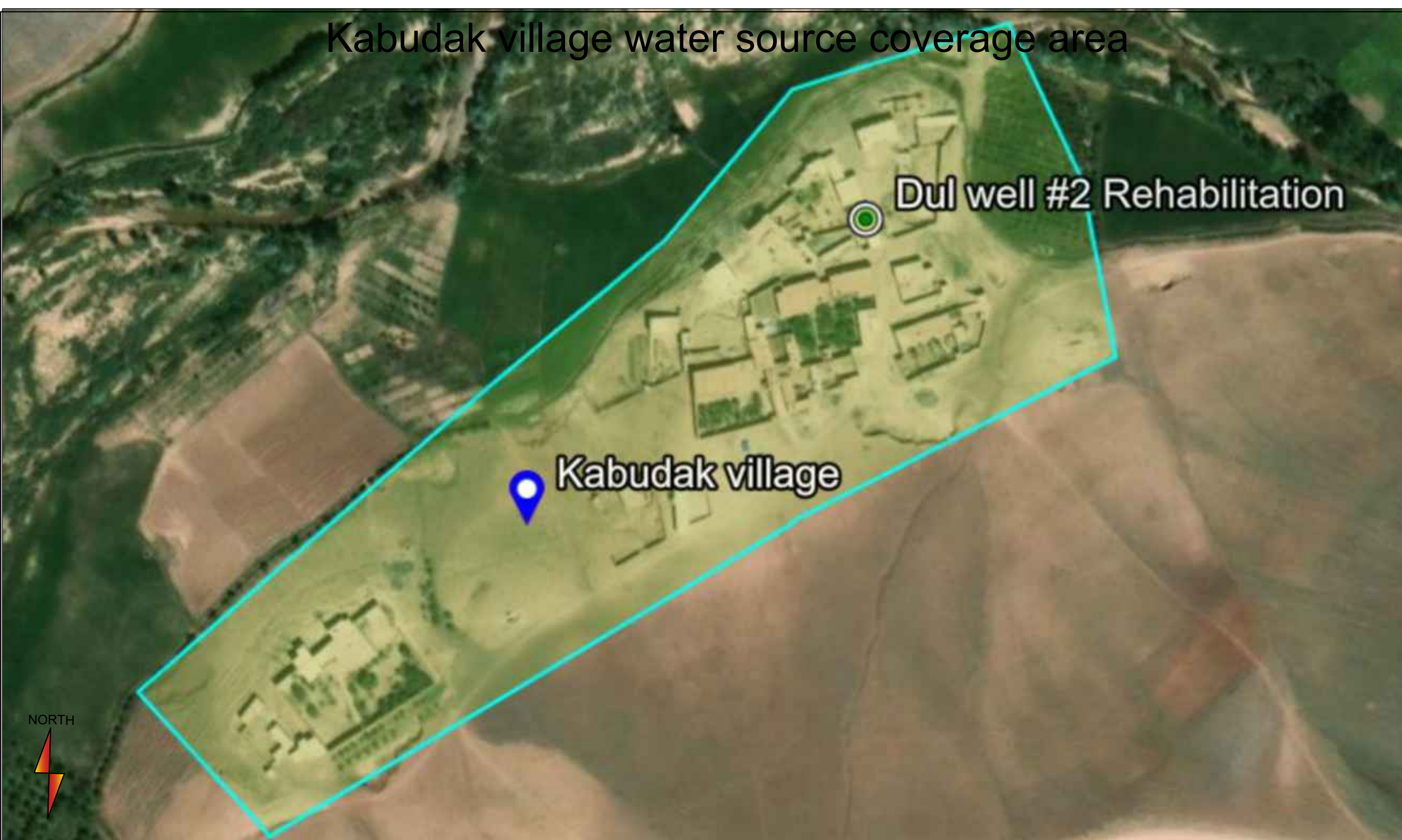
- 1-construction of well apron
- 2- removing of the existing rings
- 3-deepen the well three meters
- 4-installation of RCC Rings (dia 90 cm high 50cm) 31No
- 5-RCC Top Ring (dia 102 cm high 80cm)with RCC covering Slab (PEDESTAL SLAB with installed Pump Short Stand) and cover of manhole
- 6-installation of Kabul Hand Pump Affridive Company Complete set includes:
 - a-16 m Stainless Steel Road L=2.9m
 - +5 Pcs Road centralizer,
 - b-16m Rising main UPVC pipe
 - 63mm OD x4.7mm Thickness x2.9 meters long with socket spigot,
 - c-Short Pedestal,
 - d-Handel +T-Bar+ Bearings and Pins
 - e-one Cylinder UPVC Pipe 63mm (OD)x4.7mm thick-lined from inside with seamless brass liner 50mm I. Dx700mm long.
 - f-Three tubes of glue.
 - g-35 m long nylon rope @10mm.
 - h-Pump Body +cover.
 - i-Hand pump wrench.
 - j-Rubber cone +steel stand for rubber cone.
 - k-Plungers +Foot Valve
 - l-other spear part for the pump set
- 7- cleaning and chlorination of the well



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 3 13	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Public well Plan
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara Dh	END DATE	----	E	65°25'22"
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°31'29"
APPROVED BY	Francois Habitegeko	-							

Kabudak village water source coverage area



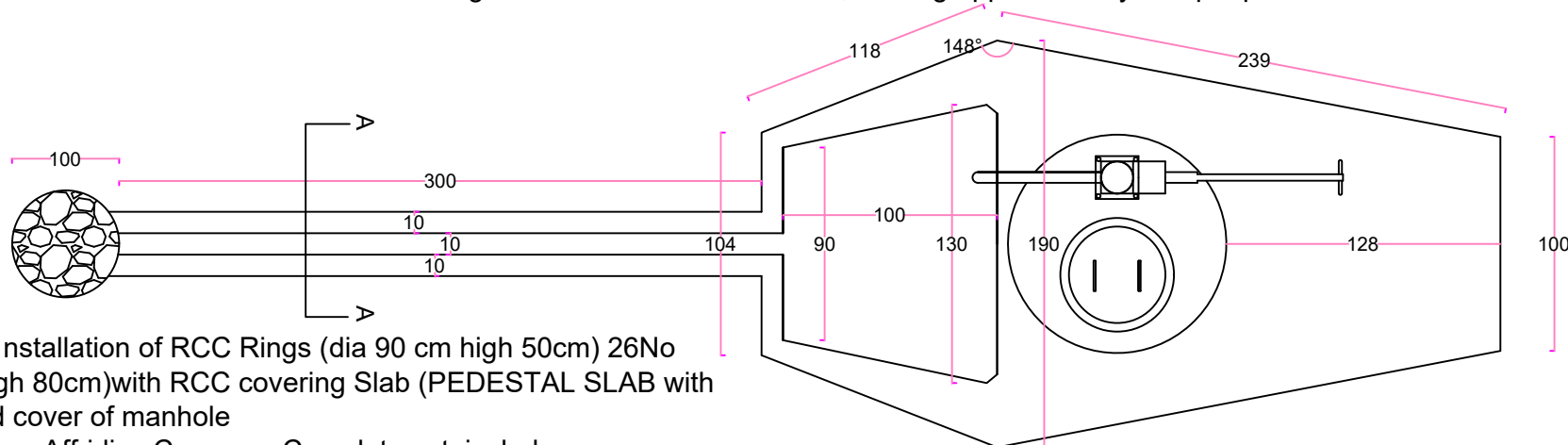
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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 4 13	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Kabudak village map
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	65°25'22"
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°31'29"
APPROVED BY	Francois Habitegeko	-							

Kabudak Public well

This is a public dug well located in the North of Kabudak village. There is no other source of drinking water in the village, so all residents rely on this unprotected well. During the summer, the water level drops significantly, making it necessary to deepen the well by approximately four meters. The current depth is 9 meters, with only a 1-meter water column.

Rehabilitating this well would provide access to safe and clean drinking water for around 19 families, totaling approximately 133 people.



Need for this well

1-construction of well apron

2-deepen the well 4 meters and nstallation of RCC Rings (dia 90 cm high 50cm) 26No

3-RCC Top Ring (dia 102 cm high 80cm)with RCC covering Slab (PEDESTAL SLAB with installed Pump Short Stand) and cover of manhole

4-installation of Kabul Hand Pump Affridive Company Complete set includes:

a-15 m Stainless Steel Road L=2.9m

+5 Pcs Road centralizer,

b-15m Rising main UPVC pipe

63mm OD x4.7mm Thickness x2.9 meters long with socket spigot,

c-Short Pedestal,

d-Handel +T-Bar+ Bearings and Pins

e-one Cylinder UPVC Pipe 63mm (OD)x4.7mm thick-

lined from inside with seamless brass liner 50mm I. Dx700mm long.

f-Three tubes of glue.

g-30 m long nylon rope @10mm.

h-Pump Body +cover.

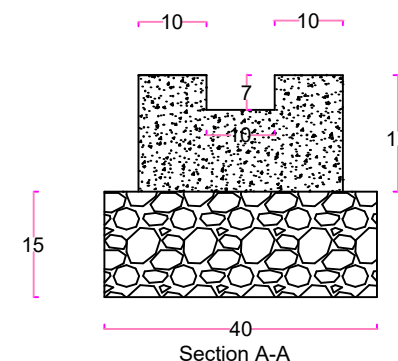
i-Hand pump wrench.

j-Rubber cone +steel stand for rubber cone.

k-Plungers +Foot Valve

l-other spear part for the pump set

5- cleaning and chlorination of the well



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TASK & RESPOSIBILITIES

DATE

NO OF PAGES

5
13

PROVINCE

Ghor

SCALE

N0

PROJECT SUB TITLE

Water infrastructure should be rehabilitated

SURVEYED BY

M. Ismael

3-May-2026

DRAWN BY

M.ismael

25-May-2026

REVIEWED BY

Farid Ahmad Qaderi

-

APPROVED BY

Francois Habitegeko

-

DISTRICT

Taywara

START DATE

DRAWING TYPE

Public well Plan

HCF NAME

Taywara DH

END DATE

E

65°25'22"

HCF TYPE

DH

PROJECT TITLE

N

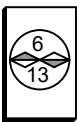
33°31'29"

Sari Pul Qazi village water source coverage area



NORTH

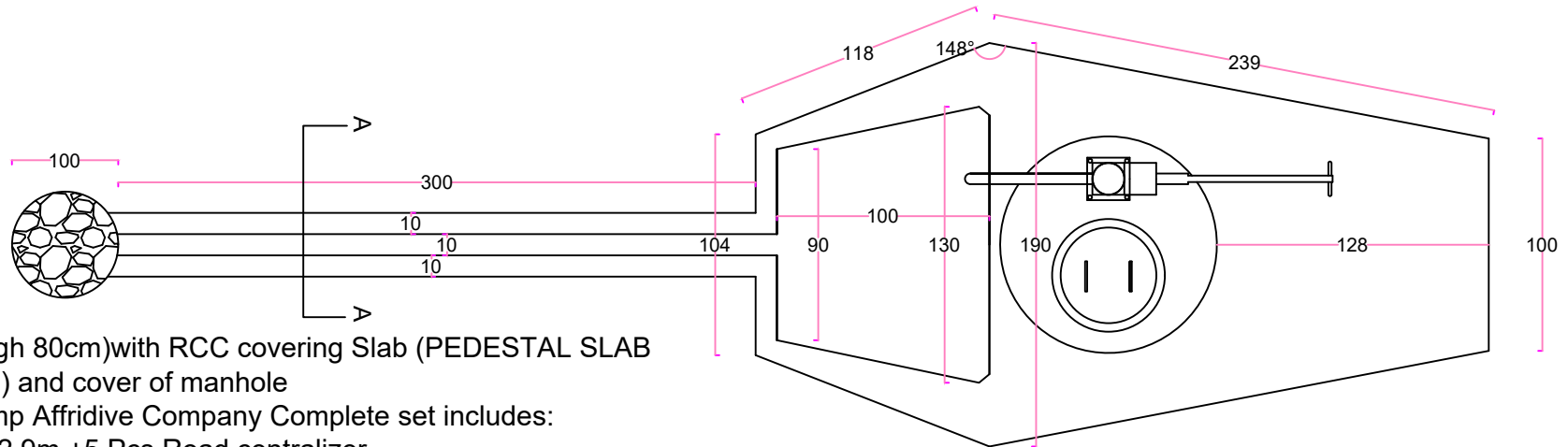
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TASK & RESPOSIBILITIES		DATE	NO OF PAGES	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Sari Pul Qazi village map
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	64°24'42"E
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°31'38.988"N
APPROVED BY	Francois Habitegeko	-							

Sari pul Qazi Public well plan

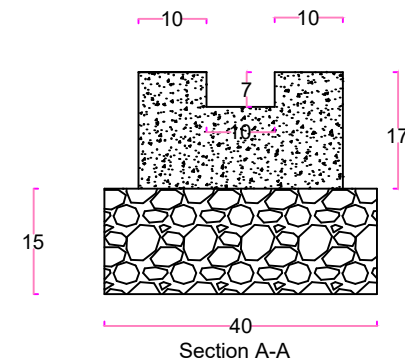
In Sari Pul Qazi, there is only one unprotected dug well, which serves approximately 16 households with a population of around 112 individuals. The depth of the well is 21 meters, with a 5-meter water column. The current discharge is sufficient to meet the water needs of the entire village. The water level remains relatively stable throughout the year, ensuring a reliable supply.

Rehabilitating this well would provide safe and clean drinking water to all 16 households, benefiting approximately 112 people.



Need for this well

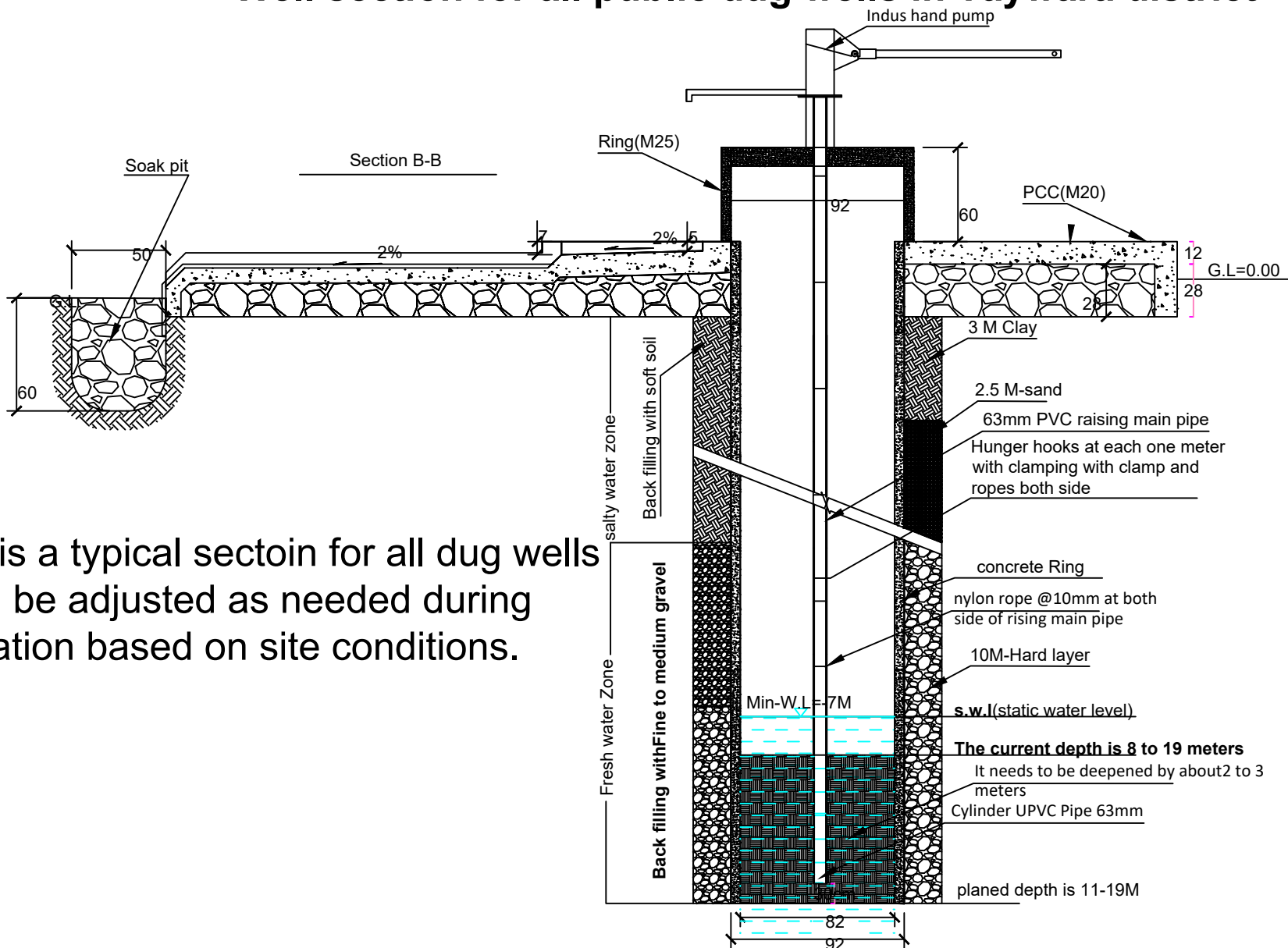
- 1-construction of well apron
- 2-RCC Top Ring (dia 102 cm high 80cm)with RCC covering Slab (PEDESTAL SLAB with installed Pump Short Stand) and cover of manhole
- 3-Installation of Indus Hand Pump Affridive Company Complete set includes:
 - a-25 m Stainless Steel Road L=2.9m +5 Pcs Road centralizer,
 - b-25m Rising main UPVC pipe 63mm OD x4.7mm Thickness x2.9 meters long with socket spigot,
 - c-Short Pedestal,
 - d-Handel +T-Bar+ Bearings and Pins
 - e-one Cylinder UPVC Pipe 63mm (OD)x4.7mm thick lined from inside with seamless brass liner 50mm I. Dx700mm long.
 - f-Three tubes of glue.
 - g-60 m long nylon rope @10mm.
 - h-Pump Body +cover.
 - i-Hand pump wrench.
 - j-Rubber cone +steel stand for rubber cone.
 - k-Plungers +Foot Valve
 - l-other spear part for the pump set
- 4- cleaning and chlorination of the well



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Public well Plan
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	64°24'42"E
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°31'38.988"N
APPROVED BY	Francois Habitegeko	-							

Well section for all public dug wells in Taywara district



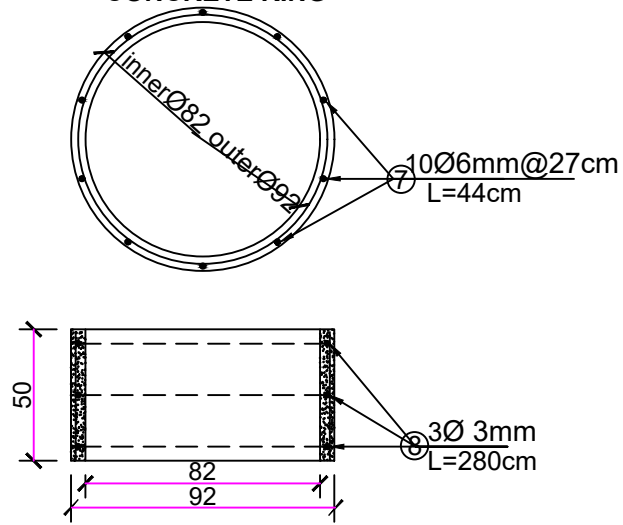
Note: This is a typical section for all dug wells and should be adjusted as needed during implementation based on site conditions.

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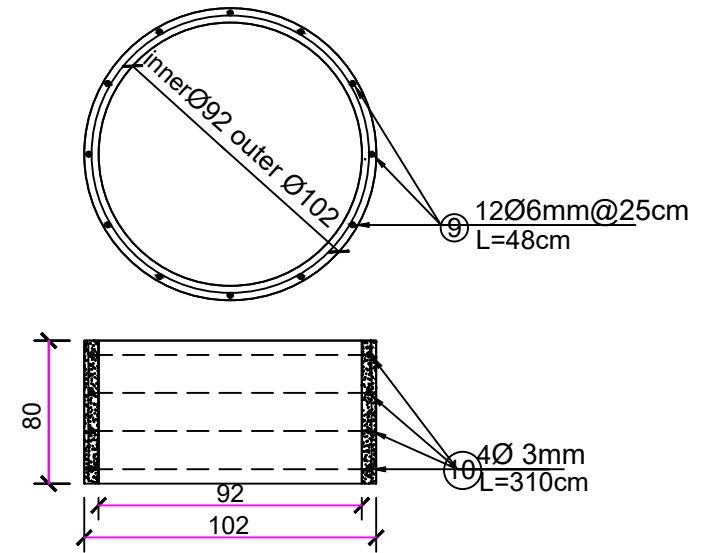
TASK & RESPOSIBILITIES			DATE	NO OF PAGES 8 13	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael		3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	well section
DRAWN BY	M.ismael		25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	64°28'34.709"E
REVIEWED BY	Farid Ahmad Qaderi		-		HCF TYPE	DH	PROJECT TITLE	----	N	33°32'12.454"N
APPROVED BY	Francois Habitegeko		-							

plan for RCC top rings, RCC rings and well slab

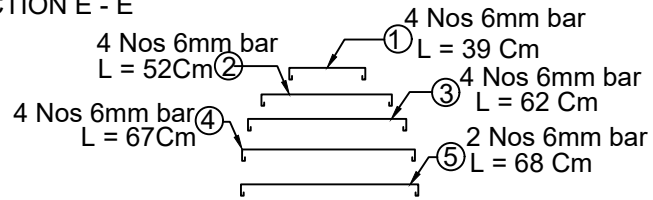
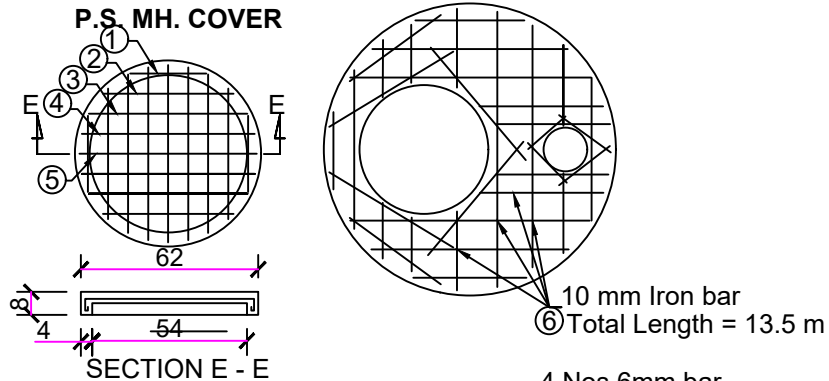
CONCRETE RING



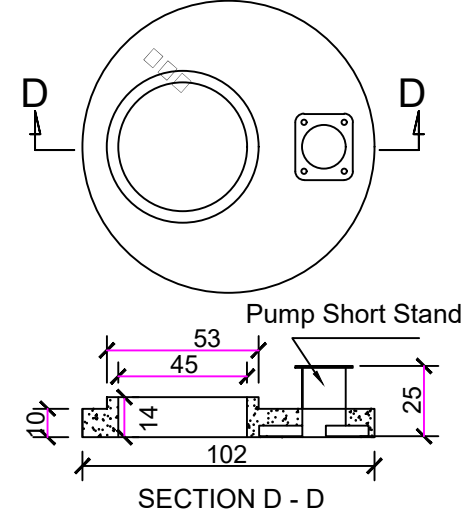
CONCRETE TOP RING



P.S. MH. COVER



PEDESTAL SLAB



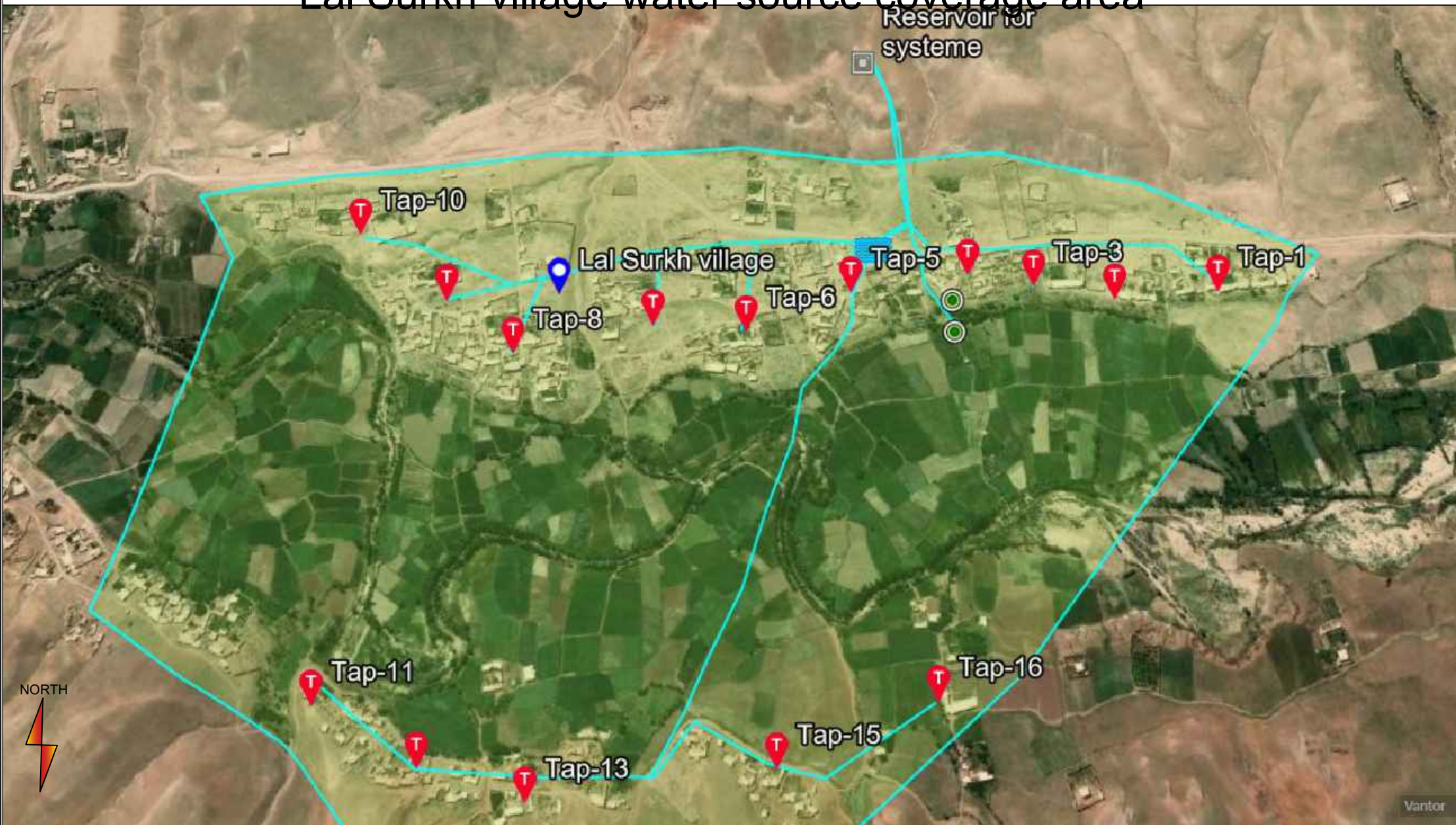
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TASK & RESPOSIBILITIES		DATE
SURVEYED BY	M. Ismael	3-May-2026
DRAWN BY	M.ismael	25-May-2026
REVIEWED BY	Farid Ahmad Qaderi	-
APPROVED BY	Francois Habitegeko	-

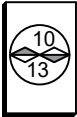
NO OF PAGES
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PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Well top slab and Rings
HCF NAME	Taywara DH	END DATE	----	E	64°28'34.709"E
HCF TYPE	DH	PROJECT TITLE	----	N	33°32'12.454"N

Lal Surkh village water source coverage area



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Lal Surkh village map
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	64°28'34.709"E
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°32'12.454"N
APPROVED BY	Francois Habitegeko	-							

Rehabilitation of Lal surkh solar power water supply system

Background

Lal Surkh Village is served by a solar-powered water supply system that was constructed in 2022 by CHA. The system provides drinking water to 308 households with a total population of 1,909 individuals.

In 2024, the submersible water pump of the system failed, resulting in the complete shutdown of the water supply scheme. The existing borehole, with a depth of 72 meters and a diameter of 10 inches, has not insufficient yield to meet the current water demand of the village population.

A dug well located approximately 30 meters from the inverter/control box has been identified as a reliable water source with adequate water quality and quantity. Community members requested ActionAid Afghanistan to rehabilitate the existing dug well, install a new submersible pump, and connect it to the existing water supply network to restore and improve water services for the village.

Project Objective

The purpose of this project is to rehabilitate and restore the functionality of the existing solar-powered water supply system in Lal Surkh Village and ensure the provision of sufficient, safe, and sustainable drinking water to the community.

Scope of Rehabilitation Works

The proposed rehabilitation activities include:

Supply and installation of 32 high-quality brass push-button taps (0.5-inch diameter) for the existing public tap stands.

Supply and installation of one new submersible water pump (DONGYIN Model 4SD10/36, 10 HP, 7.5 kW).

Supply and installation of new electrical cables (2×1.5 mm² and 3×1.5 mm²) with a total length of 50 meters.

Supply and installation of 500 meters of PE100 HDPE pipe, PN16, for conveying water from the well to the reservoir.

Construction of a concrete well apron around the rehabilitated water source as per the approved design and section details.

Deepening of the existing dug well by 3 meters to increase water storage capacity and improve reliability during peak demand periods.

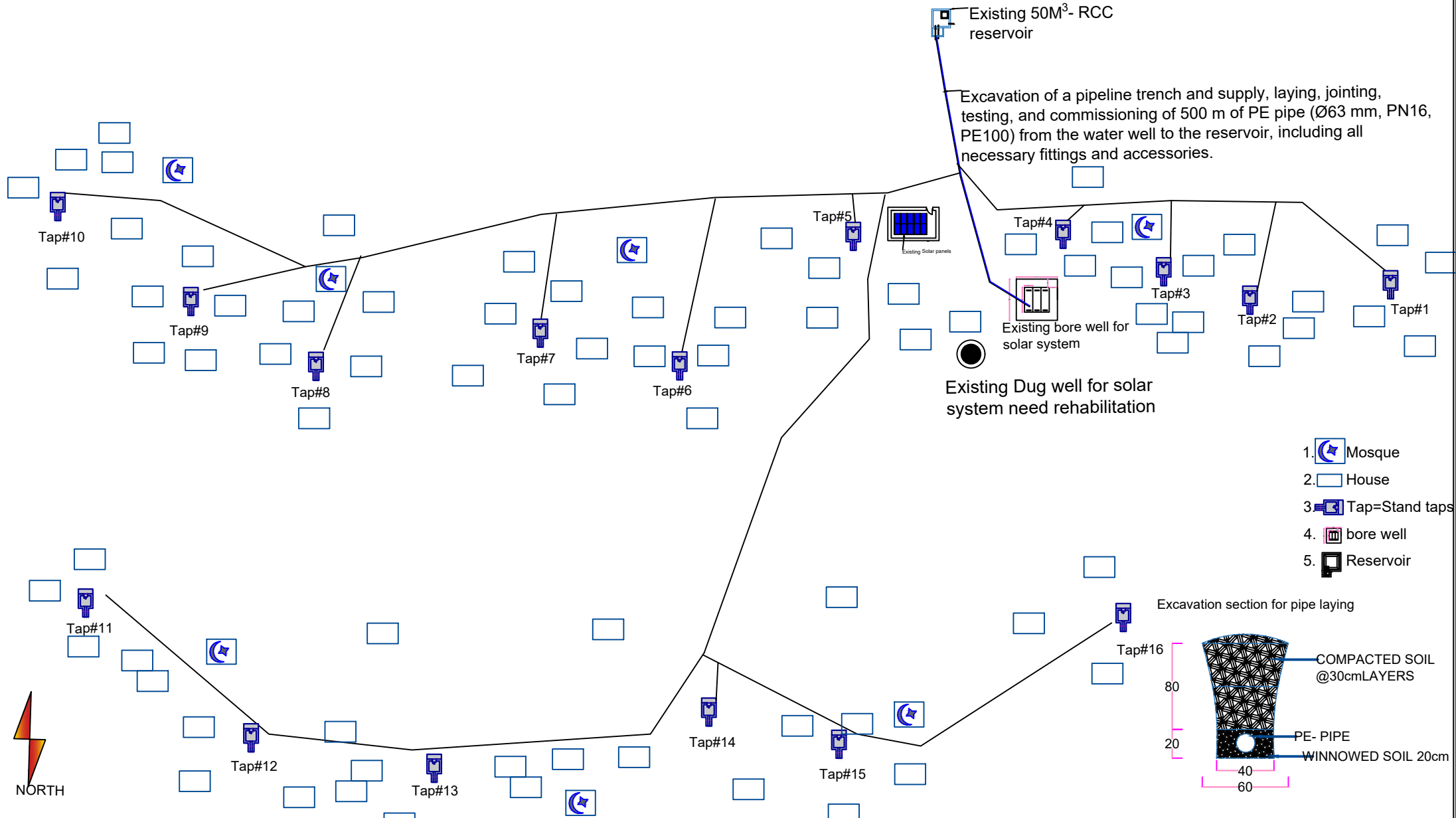
Supply and installation of 28 RCC rings (90 cm diameter × 50 cm height) for lining and protection of the deepened dug well.

Supply and installation of one RCC top ring (102 cm diameter × 80 cm height) together with a reinforced concrete cover slab for safety and protection of the water source.

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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Lal Surkh village map
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	64°28'34.709"E
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°32'12.454"N
APPROVED BY	Francois Habitegeko	-							

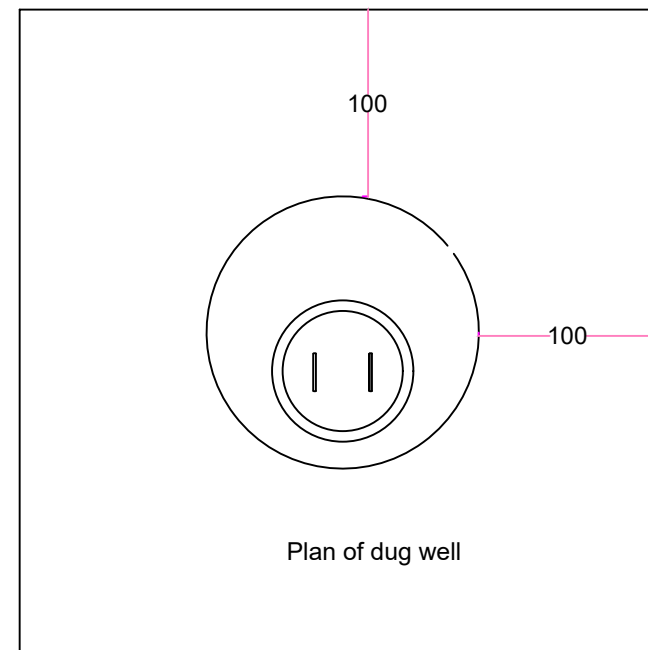
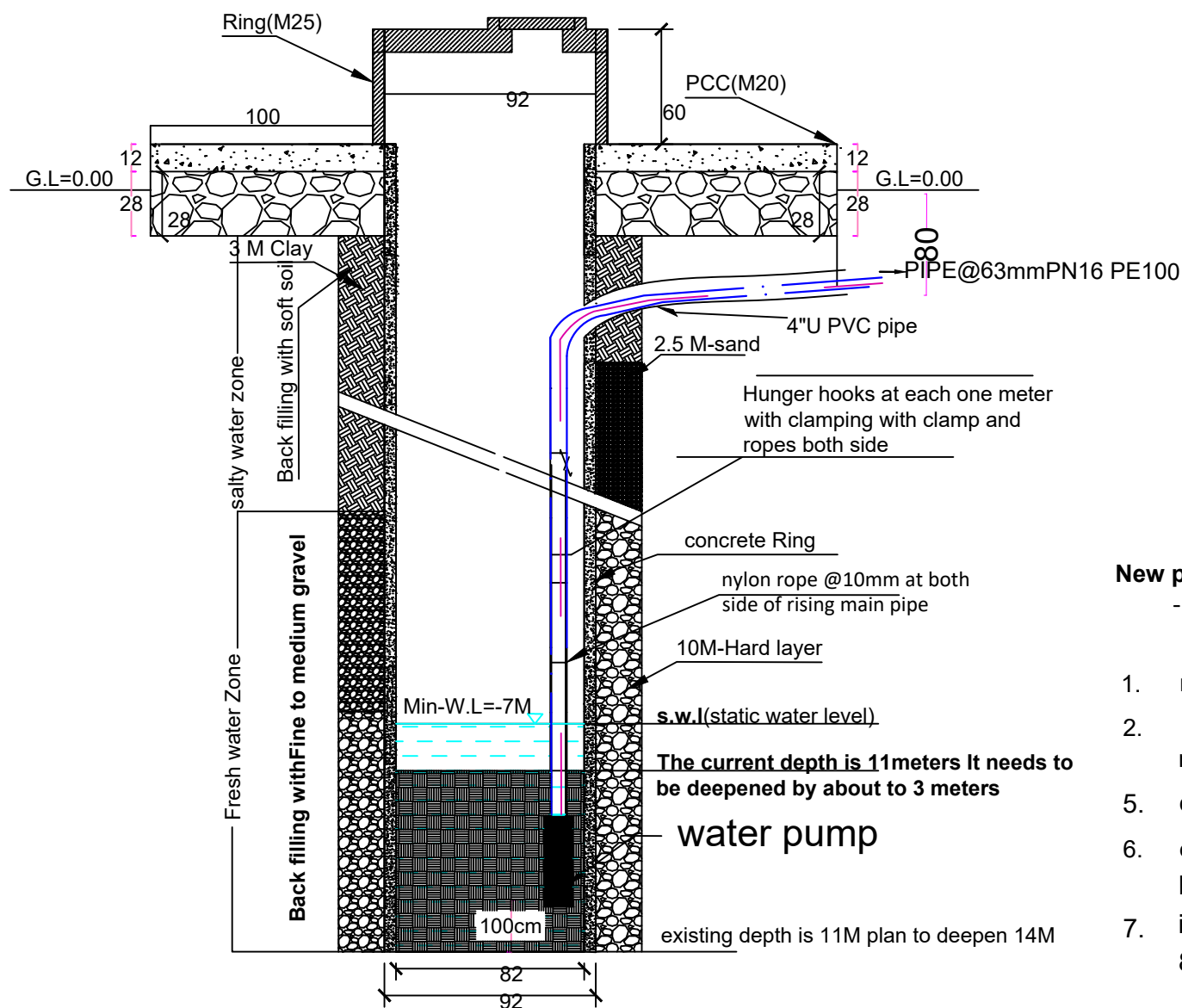
Site plan of Lal Sukh Solar water system



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TASK & RESPOSIBILITIES		DATE	NO OF PAGES 	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	Site plan for Lal Surkh solar system
DRAWN BY	M.ismael	25-May-2026		HCF NAME	Taywara DH	END DATE	----	E	64°28'34.709"E
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°32'12.454"N
APPROVED BY	Francois Habitegeko	-							

Existing dug well for the solar water supply system need rehabilitation



New plan tasks Rehabilitation of existing solar system

- Installation new Submersible Water pump(DONGYIN 4SD10/36, 10HP, 7.5KW)
- 1. new cable 2 *1.5 & 3*1.5mm² total length=50
- 2. installation 500 M PE pipe PN16 PE100 from well to reservoir
- 5. construction of well apron as per the section
- 6. deepened existing dug well 3 M and installation of RCC Rings (dia 90 cm high 50cm) 28No
- 7. installation of RCC Top Ring (dia 102 cm high 80cm)with RCC covering Slab

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TASK & RESPONSIBILITIES		DATE	NO OF PAGES	PROVINCE	Ghor	SCALE	N0	PROJECT SUB TITLE	Water infrastructure should be rehabilitated
SURVEYED BY	M. Ismael	3-May-2026		DISTRICT	Taywara	START DATE	----	DRAWING TYPE	well section for system
DRAWN BY	M.ismael	25-May-2026	13	HCF NAME	Taywara DH	END DATE	----	E	64°28'34.709"E
REVIEWED BY	Farid Ahmad Qaderi	-		HCF TYPE	DH	PROJECT TITLE	----	N	33°32'12.454"N
APPROVED BY	Francois Habitegeko	-							