



Need Assessment Report
(Schools without building infrastructure)

Reporting Date: 09/08/2023

Reporting Date: 07/08/2019

School Profile					
School Name:	Asad Soori girls school	Principal Name	Ahmad Shah	Contact #	0747060397
Province:	Helmand	District	Nawzad	Village	Center of district
GPS Coordinates	32.404575° 64.465330°	Number of students:	210	Number of teachers	6
School Type	Primary School	Population coverage:	10,500		
Support to Public Schools of Helmand and Helmand Provinces, Southern Region					

Brief Background Information:

Asad Soori girls school is the central girls school in Nowzad district which is located in at rental house which provided by the Provincial Education Department. A 4000 sqm plot has been allocated for the establishment of the school at the approximate distance of 1 km away from its current location. The land has been officially donated by the Government of Afghanistan to PED to relocate the school from its existing temporary location to permanent premises.

The project interventions have been planned at the allocated permanent location. The mentioned school is Asad Sori girls primary school.

Needs Assessment Summary:

During the initial needs assessment, the following technical options were identified and accordance with MoE Building infrastructure modalities. The modalities are designed to accommodate the existing student's population needs with five years project students' population expansion of the community.

For mentioned school ,recently completed the below activities which funded by UNICEF .

- Boundary wall with size (40x30)m.
- 2 cabinet latrine .
- Hand washing facilities .
- Room with size (3.5x8)m for store .

As per the discussions with the SMSs PEDs, and community representatives, the most urgent requirements for school reopening were prioritized as below:

- 1- Construction of school building (6 classrooms).
- 2- Wash Facilities (Boring well, solar system for water supply and 5000 lit water reservoir): Bore well is very necessary for this school, as the water table in the area is below 90 m and the success rate is unknown according to the existing bore well (which is 2 km far from school) the aquifer is not suitable in the Area, to supply enough water for school 200 m depth of bore well may be needed. They have no source of water to use in school. The community gets the water from a private bore well which is located in the central mosque of Nawzad and approximately 3 km far from school.



We have limitation for typical school buildings designs because of recently completed boundary walls (40x30) m.

We are trying to make some site plans according to existing area of boundary wall and we need to get approval from MoE for accepting our site plans and designs.

Intervention Plan:

The planned intervention has been designed based on community population, number of students, and school expansion in the next 5 years as below:

Existing enrolled students (two shifts)	# Students after 5 years (two shifts)	# Of community households
210	609	1,500

The building site plane is designed according to new constructed boundary wall and yet we don't have the approval of MoE about this design, Because the Typical designs which are approved by MoE cannot be set in the newly constructed boundary walls

Annexes

1. Drawings of site plan
2. Well section
3. Typical view of bore well
4. Cost rate
5. Photos

Asad Sori girl primary school site plan



PROVINCE/REGIONAL PLAN



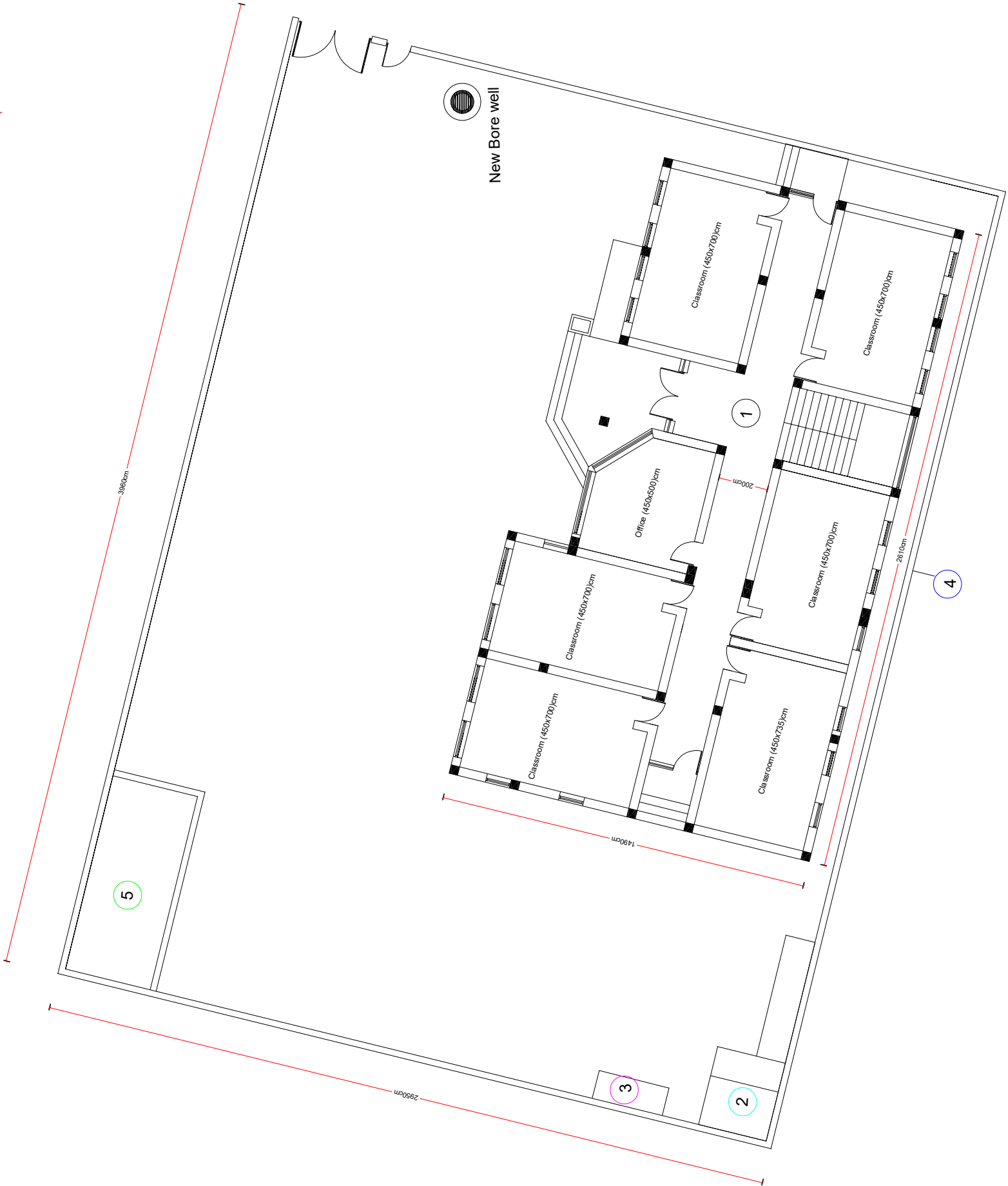
Helmand PROVINCE

Proposed work

- 1- Construction of new school building (6 classroom)
- 2- Drilling of new bore well (200m)
- 3- Provision and installation of solar system for water supply
- 4- Provision and installation of 5000 liter water reservoir

Legend

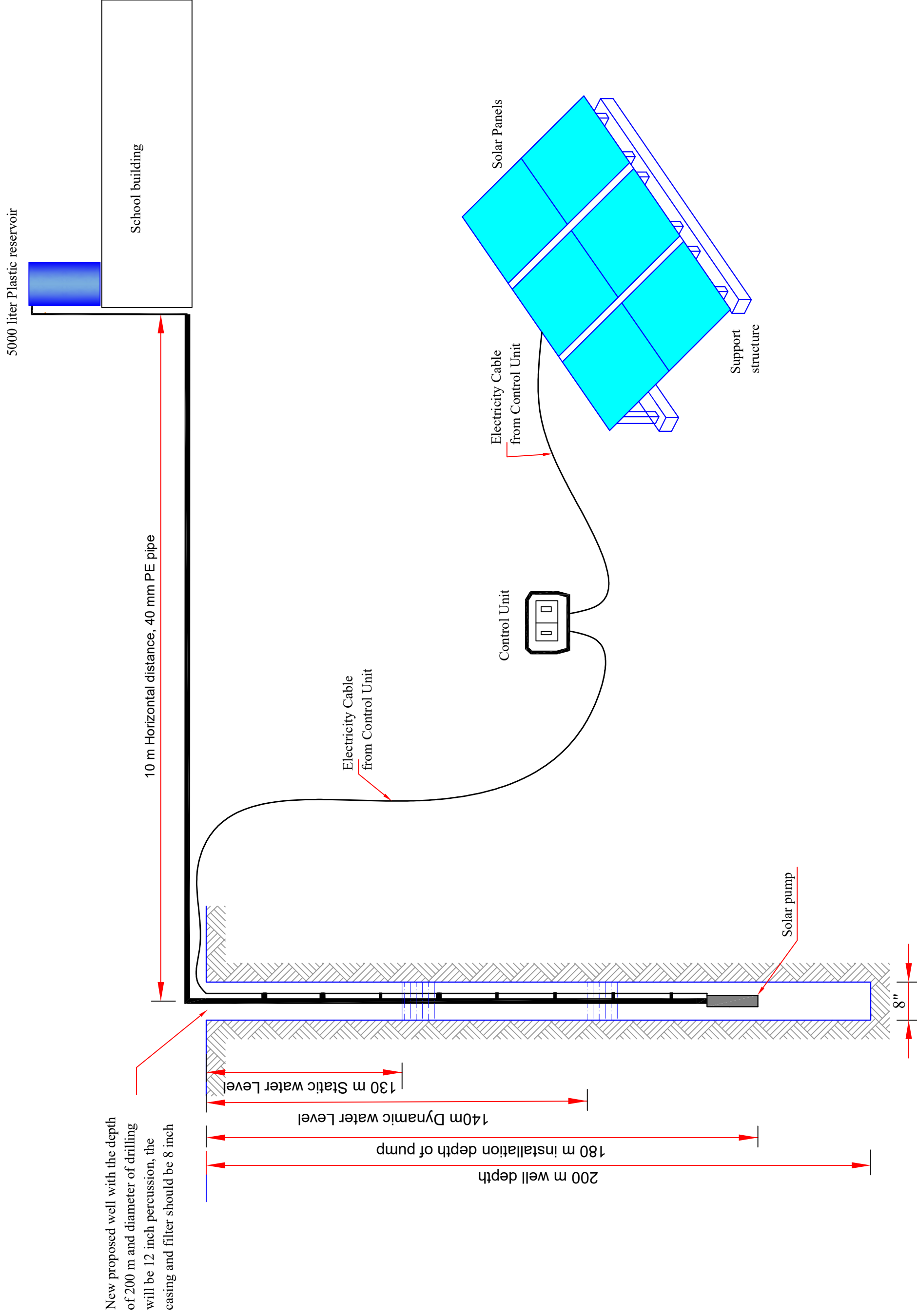
- 1 New building
- 2 Existing 2 cabinet Latrine
- 3 Existing Hand washing facilities
- 4 Existing boundary wall
- 5 Existing room
- New Bore well
- North





Location: (GPS , 32.404275° - 64.465550°)

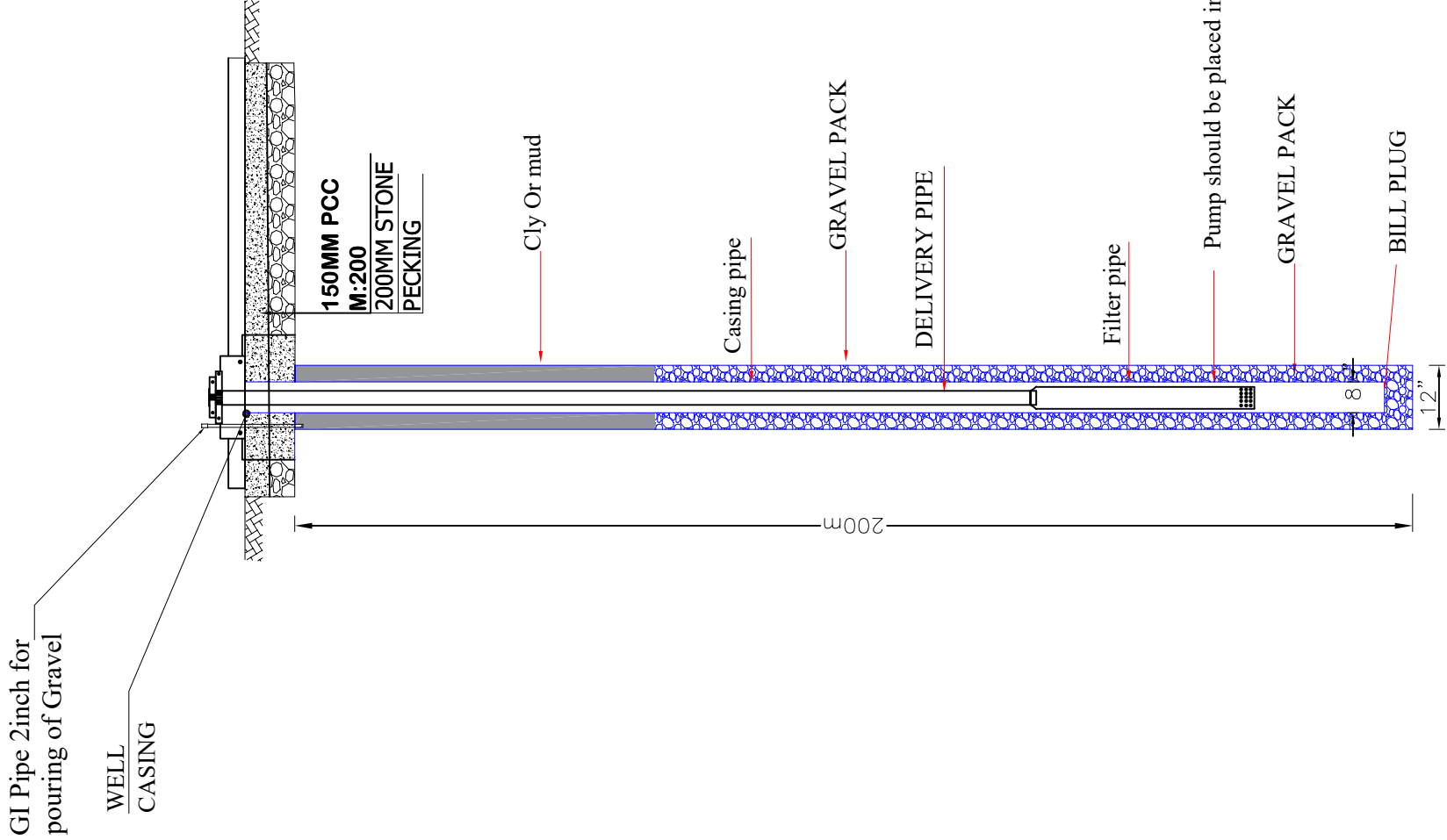
	SURVEYED BY	Eng.Feroz "Yaqubi " , Abdul Wahid "Saadat"	CHECKED BY	Eng.Firoz Yaqubi (PED)	SCALE	08.08.2023	SHEET NO. 1		PROVINCE	Helmand	PROJECT NAME	Construction of New School building	
	DESIGNED BY	Eng.Abdul Wahid Saadat	REVIEWED BY		DATE				DISTRICT	Nawzad	DRAWING TITLE	SITE PLAN	
	DRAWN BY	Eng.Abdul Wahid Saadat	APPROVED BY		DRAWING NO.				VILLAGE	Nawzad Ceter			

Typical Site plan of Solar pump system



	SURVEYED BY	Eng. Abdul Wahid and Eng. Feroz Yaqubi	CHECKED BY	Eng. Feroz "Yaqubi"					PROVINCE	Helmand	PROJECT NAME Tube well with Solar Pump
	DESIGNED BY	Eng. Abdul Wahid "Saadat"	REVIEWED BY		DATE	09.08.2023	SHEET NO.		DISTRICT	Nawzad	
	DRAWN BY	Eng. Abdul Wahid "Saadat"	APPROVED BY					VILLAGE	Nawzad center		
	DRAWING TITLE									Site Plan of solar pump and Tube well	

WELL SECTION



Notes

- 1-The working pressure for pipes and valves will be 20 bar (290 PSI)
- 2- If the ground stratum are made of bed rocks it no need for installation of casing pipes. if the stratum are made of Loss soil it should be stabilized by installation casing pipes.
- 3-Each drilled strata depth should be noted and soil sample should be kept in a sample box separately .
- 4-Pump test for 8 hours.
- 5-the depth of filter pipe has considered based on the previous experience . the true depth will be determined after well practical drilling.



	SURVEYED BY	Eng.Abdul Wahid & Eng. Feroz "Yaqubi"	Eng. Feroz "Yaqubi"	SHEET NO. 1 / 2	PROVINCE	Helmand	PROJECT NAME Drilling of Well	
	DESIGNED BY	Eng. Abdul Wahid Saadat			DISTRICT	Nahr e Seraj	DRAWING TITLE	
	DRAWN BY	Eng. Abdul Wahid Saadat			VILLAGE	Sor Shakh	Well Section	
		CHECKED BY		DATE	09.08.2023			
		REVIEWED BY						
		APPROVED BY						

"Resource Costs of " Helmand " Province"

Costing Session: 09.08.2023 to 10.08.2023										
No	Resource Description	تفصیل / نوعیت منابع	Unit	Quantity	First Source Cost (near district) (Afs)	Second Source Cost (far district) (Afs)	Last Quarter Max Cost (Afs)	Selected Cost for the Session (Afs)	Recommended Frequency of Cost Data Collection	Remarks
1	Mountain Stone ("Stone")	سنگ پارچه کوهی	M3	1	Afs. 4,500.00					
2	Boulder ("River Stone")	سنگ درباری	M3	1	Afs. 800.00					
3	Fine Sand (0 -0.5mm)	ریگ میده	M3	1	Afs. 700.00					
4	Gravel (6 -24mm)	جغل 6-24 ملی متر	M3	1	Afs. 630.00					
5	Gravel (medium size) (12 - 18mm)	ریگ بادامی	M3	1	Afs. 1,000.00					
6	Gravel (small size) (6 - 12mm)	ریگ نخودی	M3	1	Afs. 900.00					
7	Burned brick (First Class)	خشت پخته	No	1	Afs. 5.00					
8	Clay/soil	خاک پرانه	M3	1	Afs. 450.00					
9	Portland Cement ("Cement")	پورتلند سمنت	KG	1	Afs. 9.00					
10	White Cement	سمنت سفید	KG	1	Afs. 9.00					
11	Gypsum (Chalk)	گچ سفید	KG	1	Afs. 6.00					
12	Water	آب	L	1	Afs. 1.00					
13	ceramic	کاشی	M2	1	Afs. 650.00					
14	Mosaic (30x30 cm)	موزائیک	M2	1	Afs. 550.00					
15	Steel Bar (Φ 6 mm)	سیخ گول قطر 6 ملی	Ton	1	Afs. 77,500.00					
16	Steel Bar (Φ 8 mm) - "Stirrup"	سیخ گول 8 ملی	Ton	1	Afs. 77,500.00					
17	Steel Bar (Φ 10 mm)	سیخ گول قطر 10 ملی	Ton	1	Afs. 73,500.00					
18	Steel Bar (Φ 12 mm)	سیخ گول 12 ملی	Ton	1	Afs. 73,500.00					
19	Steel Bar (Φ 14 mm)	سیخ گول 14 ملی	Ton	1	Afs. 73,500.00					
20	Steel Bar (Φ 16 mm)	سیخ گول قطر 16 ملی	Ton	1	Afs. 73,500.00					
21	Steel Bar (Φ 18 mm)	سیخ گول قطر 18 ملی	Ton	1	Afs. 73,500.00					
22	GI Wire (1 mm)	سیم یک ملی برای بسته کاری	Kg	1	Afs. 108.00					
23	I beam (5*80*160) Iran	گادرفلزی 160x80x5 ایرانی	ML	1	Afs. 1,050.00					
24	I beam (5*70*140) Iran	گادرفلزی 140x70x5 ایرانی	ML	1	Afs. 950.00					
25	Steel box (80x40)	بروفیل 40x80	LM	1	Afs. 500.00					
26	Steel Hand rail	کناره فلزی	M2	1	Afs. 1,800.00					
27	Steel Door and Gate with oil painting	دروازه فلزی یک په نی دو په نی معه آهن جامه و رنگ روغنی	M2	1	Afs. 4,000.00					
28	Khar wood (10x10 cm) 6 M/L	چوب خار بازو (10*10) سانتی	pcs	1	Afs. 5,000.00					
29	Khar wood (8x10 cm) 6 M/L	چوب خار بازو (8*10) سانتی	Pcs	1	Afs. 5,000.00					
30	Khar wood (5x7 cm) 6 M/L	چوب خار بازو (5*7) سانتی	pcs	1	Afs. 4,000.00					
31	Khar wooden board (2.5 cm)	تخته 2.5 سانتی خار	M2	1	Afs. 2,000.00					
32	Lausanne plywood (20 mm)	تخته لاسانی 20 ملی	M2	1	Afs. 1,700.00					
33	Form work (Shuttering)	قالب بندی برای کانکریٹ	M2	1	Afs. 250.00					
34	Window Lock	ناخونک په کلکین	No	1	Afs. 280.00					
35	Wire mesh (for fly insect)	جالی مگس المونیمی	M2	1	Afs. 300.00					
36	PVC Door & window with lock	دروازه وکلکین PVC معه آهن جامه قفل و شیشه	M2	1	Afs. 5,400.00					
37	Khar wooden door with lock	دروازه از چوب خار معه آهن جامه و قفل مغز په	M2	1	Afs. 5,000.00					
38	Aluminum door & window with lock	دروازه وکلکین المونیم معه آهن جامه, شیشه , قفل مغز په	M2	1	Afs. 5,400.00					
39	Khar wooden window with lock	کلکین از چوب خار معه آهن جامه و شیشه	M2	1	Afs. 5,000.00					
40	Glass 4mm plain	شیشه 4 ملی ساده	M2	1	Afs. 560.00					

41	wood stick for glass and wire mash	چفتی برای شیشه شا نی وچالی معه میخ	LM	1	Afs.	30.00				
42	Oil paint (glossy)	رنگ روغنی جلا دار	M2	1	Afs.	220.00				
43	Zink Oil	رنگ ضد زنگ	Kg	1	Afs.	220.00				
44	Plastic paint (100%)	رنگ پلاستیکی 100%	Kg	1	Afs.	180.00				
45	Plastic paint (70%)	رنگ پلاستیکی 70%	Kg	1	Afs.	170.00				
46	Isogam (4mm)	ایزوگام 4 ملی	M2	1	Afs.	200.00				
47	Glass wool	پشم شیشه	M2	1	Afs.	150.00				
48	Barbed wire	سیم خاردارطول متر	M/L	1	Afs.	260.00				
49	change over 3phase 50Amp	چنج اور3فاز50آمپر	Pcs	1	Afs.	1,500.00				
50	Electric wire (1x1.5mm)	لین برق (1x1.5mm)	ML	1	Afs.	13.00				
51	Electric wire (2x1.5mm)	لین برق (2x1.5mm)	ML	1	Afs.	37.00				
52	Electric wire (3x1.5mm)	لین برق (3x1.5mm)	ML	1	Afs.	60.00				
53	Electric wire (1x2.5mm)	لین برق (1x2.5mm)	ML	1	Afs.	25.00				
54	Electric wire (2x2.5mm)	لین برق (2x2.5mm)	ML	1	Afs.	27.00				
55	Electric wire (3x2.5mm)	لین برق (3x2.5mm)	ML	1	Afs.	88.00				
56	Electric wire (1x4mm)	لین برق (1x4mm)	ML	1	Afs.	35.00				
57	Electric wire (2x4mm)	لین برق (2x4mm)	ML	1	Afs.	93.00				
58	Electric wire (3x4mm)	لین برق (3x4mm)	ML	1	Afs.	140.00				
59	Electric wire (1x6mm)	لین برق (1x6mm)	ML	1	Afs.	65.00				
60	Electric wire (2x6mm)	لین برق (2x6mm)	ML	1	Afs.	140.00				
61	Electric wire (3x6mm)	لین برق (3x6mm)	ML	1	Afs.	210.00				
62	Electric wire (4x6mm)	لین برق (4x6mm)	ML	1	Afs.	280.00				
63	Electric Cable (1x10mm)	کیبل برق (1x10mm)	ML	1	Afs.	95.00				
64	Electric Cable (1x12mm)	کیبل برق (1x12mm)	ML	1	Afs.	110.00				
65	Electric Cable (4x12mm)	کیبل برق (4x12mm)	ML	1	Afs.	650.00				
66	Electric Cable (1x16mm)	کیبل برق (1x16mm)	ML	1	Afs.	140.00				
67	Electric Cable (4x16mm)	کیبل برق (4x16mm)	ML	1	Afs.	650.00				
68	Electric Cable (1x20mm)	کیبل برق (1x20mm)	ML	1	Afs.	750.00				
69	Electric Cable (4x20mm)	کیبل برق (4x20mm)	ML	1	Afs.	800.00				
70	Electric Cable (1x25mm)	کیبل برق (1x25mm)	ML	1	Afs.	280.00				
71	Electric Cable (4x25mm)	کیبل برق (4x25mm)	ML	1	Afs.	800.00				
72	Electric Cable (1x35mm)	کیبل برق (1x35mm)	ML	1	Afs.	400.00				
73	Electric Cable (4x35mm)	کیبل برق (4x35mm)	ML	1	Afs.	1,050.00				
74	Exposed Conduit (1")	کاندویت برای روی کار (1")	ML	1	Afs.	100.00				
75	Exposed Conduit (2")	کاندویت برای روی کار (2")	ML	1	Afs.	120.00				
76	Metallic box for electric meter (20x60)	صندوق فلزی برای نصب میتر 20X60	Pcs	1	Afs.	4,000.00				
77	Socket under plaster	ساکت زیرپلستر	Pcs	1	Afs.	60.00				
78	Switch under plaster	سوچ زیرپلستر	Pcs	1	Afs.	60.00				
79	Switch (2 key)	سوچ دو پوله	Pcs	1	Afs.	80.00				
80	Switch (1 key)	سوچ	Pcs	2	Afs.	80.00				
81	Fan switch (dimmer)	سوچ بادیکه (دایمر)	Pcs	1	Afs.	50.00				
82	Joint box under plaster	جا پنت بکس	Pcs	1	Afs.	30.00				
83	Ceiling lamp	چراغ سقفی	Pcs	1	Afs.	450.00				
84	Automatic Fuse (16 amp)	فیوز اتومات 16 آمپر	Pcs	1	Afs.	140.00				
85	Automatic Fuse (20 amp)	فیوز اتومات 20 آمپر	Pcs	1	Afs.	140.00				
86	Automatic Fuse (25 amp)	فیوز اتومات 25 آمپر	Pcs	1	Afs.	140.00				
87	Automatic Fuse (30 amp)	فیوز اتومات 30 آمپر	Pcs	1	Afs.	140.00				
88	Automatic Fuse (60 amp)	فیوز اتومات 60 آمپر	Pcs	1	Afs.	200.00				
89	Automatic Fuse (70 amp)	فیوز اتومات 70 آمپر	Pcs	1	Afs.	200.00				
90	Automatic Switch (Circuit breaker)	سوچ اتومات قطع جریان	Pcs	1	Afs.	400.00				
91	Ceiling fan (big size)	بادیکه سقفی کلان	Pcs	1	Afs.	2,000.00				
92	Ceiling fan (small size)	بادیکه سقفی خورد	Pcs	1	Afs.	1,800.00				
93	Main switch (100 amp)	مین سوچ 100 آمپر	Pcs	1	Afs.	2,500.00				
94	Stowe Cup	کپ بخاری	Pcs	1	Afs.	60.00				
95	PVC pipe for electric conduit (1")	پایپ PVC کاندویت (1")	ML	1	Afs.	80.00				

96	PVC pipe for electric conduit (2")	پایپ PVC کاندویت (2")	ML	1	Afs. 120.00					
97	PVC pipe (flexible)	پایپ خلتومی	ML	1	Afs. 80.00					
98	PVC Elbow	زانوخم پایپ	ML	1	Afs. 100.00					
99	GI pipe (4")	نل 4" جستی	ML	1	Afs. 1,000.00					
100	Water tank (1000) liter plastic	ذخیره پلاستیکی 1000 لیتره	Pcs	1	Afs. 3,100.00					
101	Water tank (1500) liter plastic	ذخیره پلاستیکی 1500 لیتره	Pcs	1	Afs. 3,800.00					
102	Water tank (2000) liter plastic	ذخیره پلاستیکی 2000 لیتره	Pcs	1	Afs. 5,800.00					
103	Water tank (5000) liter plastic	ذخیره پلاستیکی 5000 لیتره	Pcs	1	Afs. 12,000.00					
104	Shower complete set	شناور مکمل الاسیاب	Pcs	1	Afs. 3,600.00					
105	Drilling of bore well 12" - rotary	برمه کاری به قطر 12 انچ روتری	M	1	Afs. 3,500.00					
106	Drilling of bore well 12"	برمه کاری به قطر 12 انچ کوبه	M	1	Afs. 2,000.00					

Asad Sori girl school boundary wall

