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## INVITATION TO BID

### Construction of Check Dam for DACAAR Program UNODC Project in Helmand Province

اعلان داوطلبی برای اعمار و ساختمان چک دیم برای پروگرام داکار  
پروژه UNODC در ولایت هلمند

دفتر مرکزی  
گولایی وزیرآباد  
پست بکس ۲۰۸  
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**Date: March 12, 2026**

#### **DACAAR ITB 07 PRF-277/UNODC/2407-UNODC/UHLA1.1.1/NRM/03.2026**

DACAAR needs Construction of Check Dam for DACAAR Program UNODC Project in Helmand Province and invites interested parties to submit their sealed offers for the required job mentioned in Annex (I).

داکار برای اعمار و ساختمان چک دیم که در ضمیمه (I) از آن به تفصیل ذکر گردیده برای پروگرام داکار پروژه UNODC در ولایت هلمند ضرورت دارد، و از تمام داوطلبان واجد شرایط دعوت بعمل میآورد تا آفر های سربسته شانرا قبل از معیاد تعیین شده به دفتر داکار مرکزی بسپارند.

The offers must be submitted to DACAAR Main Office Logistics Unit located in Street No. 12, Taimani Project, Qala-e-Fathullah, Kabul Province till 4:00 PM April 01, 2026.

آفرها باید الی تاریخ 01 اپریل 2026 ساعت 4:00 عصر به شعبه لوجستیک دفتر مرکزی داکار واقع پروژه تایمنی پایکوب نصور سرک 12 قلعه فتح الله ولایت کابل سپرده شود.

The offers will be opened on April 02, 2026 at 10:00am in DACAAR Main Office, Kabul Province and the winner of the bidding will be notified shortly after the bid opening session.

مجلس آفرگشایی ساعت 10:00 قبل از ظهر تاریخ 02 اپریل 2026 در دفتر مرکزی داکار در ولایت کابل صورت میگیرد که متعاقباً برنده داوطلبی در اسرع وقت اطلاع خواهد یافت.

Please use Annex (III) for Technical Specification, Annex (II) for Work Plan and Annex (I) for financial purposes.

لطفاً ضمیمه (I) را بخاطر ارایه آفر، ضمیمه (II) را بخاطر پلان کاری و ضمیمه (III) را بخاطر مشخصات تخنیکی مشاهده نمایند.

#### **Terms and Conditions for Participation/Bid Winner**

#### **شرایط قرارداد برای برنده داوطلبی/ اشتراک کننده گان**

1. Contractor should Construct Check Dam in Nawzad District of Helmand Province based on completion plan mentioned in Annex (II).
2. Priority is given to construction companies.
3. The company must have at least one Similar Contract in the construction of at least one works in nature and complexity equivalent.
4. The company is required to assign a qualified engineer for the construction works. The curriculum vitae (CV) of the proposed engineer must be attached to the offer.
5. Provision of all tools and equipment's required for the Construction of Check Dam belongs to the contractor.

1. قرارداد گیرنده مکلف است تا اعمار چک دیم را که در ولسوالی نوزاد ولایت هلمند موقعیت دارد، طبق پلان کاری که در ضمیمه (II) ذکر گردیده تکمیل نماید.
2. حق اولویت به شرکت های ساختمانی داده میشود.
3. قرارداد گیرنده باید تجربه کاری مشابه حداقل یک پروژه که ماهیت و پیچیدگی آن مشابه به این پروژه باشد را داشته باشد.
4. شرکت مکلف است یک انجنیر واجد شرایط را برای اجرای کارهای ساختمانی تعیین نماید. خلص سوانح (CV) انجنیر پیشنهادی باید با آفر ضمیمه گردد.
5. تهیه تمام وسایل و مواد برای اعمار و ساختمان چک دم معه اعاشه و اباطه بدوش قرارداد گیرنده میباشد.

6. The company is required to conduct a site visit to the check dam locations and submit its offer in accordance with the site data and conditions. شرکت مکلف است از ساحات چک دم بازدید نموده و آفر خود را مطابق به معلومات و شرایط موجود ساحه ارائه نماید.
7. Evaluation will be conducted starting from the lowest offered price, and DACAAR reserves the right to evaluate companies separately for each lot. پروسه ارزیابی از پایین ترین قیمت آغاز می‌گردد و داکار حق دارد شرکت‌ها را به صورت جداگانه برای هر لات مورد ارزیابی قرار دهد.
8. Provision of all Tools and Machineries for the construction of Check Dam is the responsibility of the contractor. تهیه تمام ماشین‌ها و دیگر لوازم برای ساخت چک دم مسوولیت قرارداد گیرنده میباشد.
9. Payment will be made within 25 working days after technical team confirmation and successfully completion of the contract. پرداخت پول بعد از تصدیق بخش تخنیکي داکار و تکمیل نمودن مؤفقانه قرارداد در مدت 25 روز کاری اجرا میگردد.
10. The bid winner must deposit 10% amount of total contract value to DACAAR bank account as a Contract Performance Guarantee before signing the contract, the mentioned amount only refundable after successful completion of the contract. برنده داوطلبی مکلف است تا 10% مجموع ارزش قرارداد را بشکل تضمین بانکی از اجرای کامل و مؤفقانه قرارداد قبل از امضای آن به حساب بانکی داکار بپردازد. مبلغ متذکره در صورت اجرا مؤفقانه قرارداد قابل باز پرداخت میباشد.
11. In case of delay in contract completion without any logical reasons, 0.5% of total value of the remaining work will be deducted from the payment. This penalty will charge per each official day of delay. در صورت تأخیر در تکمیل قرارداد بدون عذر موجه در وقت معینه آن، مبلغ 0.5% از هر روز کار تأخیر شده بطور جرمانه از مجموع ارزش قرارداد اخذ میگردد.
12. Quotations should be valid for 60 official days. قیمت داده شده باید برای مدت 60 روز کاری مدار اعتبار باشد.
13. Prices shall be given in Afghanis (AFN) and must include all duties, transport cost, loading and unloading costs. Offers without sign and stamp will not be accepted. Manipulated/overwritten offers will automatically be rejected. قیمت‌ها به افغانی داده شود و باید شامل مالیات، انتقال، قیمت بارگیری و تخلیه باشد و قیمت هائیکه بدون مهر و امضای قابل قبول نمیشود. آفرهای قلم خورده گی بطور اتومات رد میگردد.
14. DACAAR's technical team (Site Engineer) will check quality of work. If it is not according to the specifications, DACAAR Technical Team has reserved the right to terminate the contract without any compensation paid to the contractor. هئیت تفتیش و بررسی داکار کیفیت کار را به اساس قرارداد چک و ملاحظه نموده در صورتیکه مطابق به مشخصات قرارداد نباشد، داکار حق دارد تا قرارداد را بدون جبران کدام خساره فسخ نماید.
15. 2% Tax will be applicable on the companies that has valid business license and 7% Tax will be applicable on the companies that have invalid business license, or on individuals who do not have business license, will be deducted from the contractor as a withholding tax and DACAAR will pay that amount to Ministry of Finance, the amount starts from (1 AFN). 2% مالیه برای شرکت هائیکه دارای جواز با اعتبار میباشد، و 7% مالیه برای شرکت هائیکه معیاد جواز آن تکمیل گردیده باشد، و یا اشخاصیکه جواز ندارند توسط داکار وضع گردیده و به وزارت مالیه پرداخت میشود، آغاز مبلغ از 1) افغانی).

16. DACAAR does not accept sub-contract, in case if it is found that the contract has given the contract to sub-contracting contractor, the contract will automatically be terminated and the supplier will lose their performance guarantee and no compensation will be paid to the contractor.
17. DACAAR will not be responsible for any changes occurred during the contract such as (increment in custom duties, exchange rate etc.)
18. DACAAR (Logistics Unit) adheres to National and International laws on child labour DACAAR makes sure all its suppliers and vendor abide by such laws preventing child labour in all DACAAR activities countrywide.
19. The Humanitarian Organizations (HO) may conduct on- site visit in the contractor's premises (or may take similar measures) to ensure compliance.
20. DACAAR has a zero-tolerance policy on sexual exploitation, abuse and harassment, which is defined and described in the policy document "DACAAR policy on preventing and handling sexual exploitation, abuse and harassment".
21. Award of contract will be based on the price, capacity and potentiality of bidder which will be decided after evaluation of the company; it is the right of DACAAR to make the decision of awarding contract.
22. All bidders should deposit amount of (50,000 AFN) to DACAAR AIB Bank Afghani Account (0528101008667400) as a Bid Security, otherwise; DACAAR has the right to take the decision.

16. داکار به هیچ عنوان قرارداد دست دو را نه پذیرفته، در صورت وقوع چنین حالت قرارداد بصورت اتومات فسخ و قرارداد گیرنده پول تضمین و حق اجوره خویش را از دست میدهد.

17. داکار به هیچ عنوان مسئولیت بلند رفتن مالیات گمرکی، اسعار خارجی و غیره مواردی که باعث بلند رفتن قیمت در جریان قرارداد گردد ندارد.

18. دفتر داکار (شعبه لوژیستیک) با در نظر داشت قوانین ملی و بین المللی برای جلوگیری از کار کودکان مصمم بوده و سعی میکند که تمام فعالیت‌های تهیه کننده گان و مشتریان این اداره به این اصل پایبند باشند.

19. سازمان های بشر دوستانه (HO) ممکن است تا از محلات و سایت ها به باخاطر اطمینان خاطر و تطبیق درست کار توسط قرار داد گیرنده بازدید بعمل آورده و یا ممکن است اقدامات مشابه را انجام دهد.

20. داکار دارای پالیسی عدم تحمل در مورد سوء استفاده، بد رفتاری و آزار و اذیت جنسی میباشد و موقف داکار در همچون مسایل بطور تفصیلی در پالیسی مذکور تشریح شده است.

21. برنده شدن قرارداد نظر به قیمت، توانائی و ظرفیت کاری داوطلب بوده و بعد از بررسی کمپنی صورت خواهد گرفت. البته داکار تنها حق تصمیم گیری در این زمینه را دارا میباشد.

22. تمامی داوطلبان باید مبلغ 50,000 افغانی را بطور تضمین اشتراک در داوطلبی به حساب افغانی داکار (0528101008667400) در بانک بین المللی افغانستان جمع نموده و رسید بانکی آنرا بداخل پاکت آفر بگذارند، در غیر آن داکار حق تصمیم نهایی را دارا میباشد.

Note: All deposits (Bid Security/ Contract Performance Guarantee) will be refunded on proper application of vendors along with original bank deposit slip. The deposit (bid security/ contract performance guarantee) will not be refunded, if the supplier/ bidder withdraws or quits from the process.

نوٹ: تمام تضمین ها (تضمین اشتراک در داوطلبی / تضمین اجرایی قرارداد) به اساس درخواست اشتراک کننده داوطلبی/ قرارداد کننده و ارایه اصل رسید بانکی پس پرداخت میگردد. داوطلب/ قرارداد گیرنده که از پروسه منصرف میگردد پول تضمین شان دوباره واپس نمیگردد.

For more details, please visit DACAAR Logistics Unit Main Office Kabul, Sunday through Thursday, from 8:00am to 03:00 PM or contact on below Email Addresses: [jamal@dacaar.org](mailto:jamal@dacaar.org) or [wasimullah@dacaar.org](mailto:wasimullah@dacaar.org)

Yours Sincerely,  
 Manager – Logistics and Supply Chain  
 Date: March 12, 2026,

**ANNEX (I)**  
**فورم ارايه آفر / Budget Breakdown**  
**DACAAR ITB 07 PRF-277/UNODC/2407-UNODC/UHLA1.1.1/NRM/03.2026**

**Construction of Check Dam for DACAAR Program UNODC Project in Khanjak Village Nawzad District of Helmand Province:**

S.N	Item Name and Specification	Unit	Quantity	Unit Price (AFN) (Including 2% or 7% Government Tax, transportation cost)	Total Price (AFN) (Including 2% or 7% Government Tax, transportation cost)
1	Excavation Normal and removal of excess materials up to 500M	M <sup>3</sup>	1,040		
2	Hard Excavation and removal excess materials up to 500M	M <sup>3</sup>	272		
3	Stone masonry Work M (1:4)	M <sup>3</sup>	657		
4	PCC 1:1.5:3	M <sup>3</sup>	62		
5	PCC 1:2:4	M <sup>3</sup>	35		
6	Dense filling with FDD tests and quality of will grade	M <sup>3</sup>	620		
7	Pointing (1:3)	M <sup>2</sup>	596		
8	15cm Thick Sea Gravel layer in the lower part of the foundation (Tahdab)	M <sup>3</sup>	53		
9	Installation of water stopper with waterproof concrete (1:4)	M	21		
10	Installation of one marble sign board 70*120cm	No	1		
<b>Grand Total: AFN</b>					

Bidder Name: \_\_\_\_\_ اسم آفر دهنده:

Address and Stamp: \_\_\_\_\_ آدرس و مهر کمپنی

Contact No: \_\_\_\_\_ نمبر موبائیل

Email Address: \_\_\_\_\_ ایمل آدرس

Delivery Period: \_\_\_\_\_ زمان تحویل دهی

**ANNEX (II)**  
**Tentative Work Plan/ پلان کاری تخمینی**  
**DACAAR ITB 07 PRF-277/UNODC/2407-UNODC/UHLA1.1.1/NRM/03.2026**

**Construction of Check Dam for DACAAR Program UNODC Project in Khanjak Village Nawzad District of Helmand Province:**

S/No	Specifications	Unit	Quantity of Work	Start Date of the Contract	End Date of the Contract
1	Excavation Normal and removal of excess materials up to 500M	M <sup>3</sup>	1,040	Starts After DACAAR Contract Final Approval	80 Working Days after Contract Final Approval
2	Hard Excavation and removal excess materials up to 500M	M <sup>3</sup>	272		
3	Stone masonry Work M (1:4)	M <sup>3</sup>	657		
4	PCC 1:1.5:3	M <sup>3</sup>	62		
5	PCC 1:2:4	M <sup>3</sup>	35		
6	Dense filling with FDD tests and quality of will grade	M <sup>3</sup>	620		
7	Pointing (1:3)	M <sup>2</sup>	596		
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9	Installation of water stopper with waterproof concrete (1:4)	M	21		
10	Installation of one marble sign board 70*120cm	No	1		

**ANNEX (III)**

**Technical Specification and Design Work Plan/ مشخضات تخنيكى و ديزاين  
DACAAR ITB 07 PRF-277/UNODC/2407-UNODC/UHLA1.1.1/NRM/03.2026**

DACAAR  
Program/Technical & Coordination Unit  
Survey & Design Team



# Khanjak Check Dam Drawings

Project Location:

Province:.....Helmand

District:.....Nawzad

Village:..... Khanjak

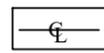
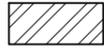
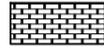
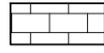
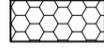
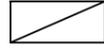
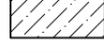
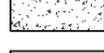
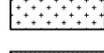
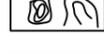
Date: March: 2026

# LIST OF DRAWINGS

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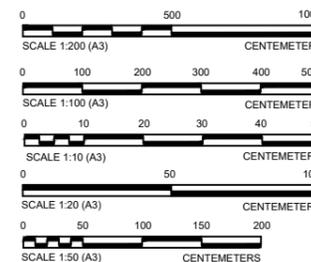
DACCAAR / PROGRAM	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 01 10	Project Title	CheckDam
	Implemented By	DACCAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	LIST OF DRAWINGS
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	Mar-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				

**LEGEND:-**

	Center Line
	Direction of flow
	Grouted Stone Masonry/Pitching Section
	Mass concrete Section
	Brick Masonry
	P.C.C Block
	Gabion
	Gabion Section
	Wash/River Bed Material
	Geotextile Mattress
	Plain Cement Concrete
	Reinforced Cement Concrete
	Bank Protection
	Compacted Soil
	Hill
	H.F.L / M.W.L
	Elevation of the point (100m) in section veiw
	Elevation of the point (100m) in Plan view
	Traverse Station
	Benchmark
	Lined Slope
	Earthen Slope
	Ground Level
	Stone Pitching/Rip Rap

**ABBREVIATION:-**

Av	AVERAGE	ST	STATION
BM	BENCH MARK	THK	THICKNESS
B	WIDTH	TYP	TYPICAL
C/C	CENTER TO CENTER	HFL	HIGH FLOOD LEVEL
D	DEPTH OF WATER	U/S	UPSTREAM
DRG	DRAWING	YRS	YEARS
DIA , Ø	DIAMETER	Q	DESIGN DISCHARGE
D.W.L	DESIGN WATER LEVEL	W.L	WATER LEVEL
D/S	DOWNSTREAM	N.T.S	NOT TO SCALE
EL.	ELEVATION		
F.B	FREE BOARD		
HFL	HIGH FLOOD LEVEL		
HT.	HEIGHT		
H.G.L	HYDRAULIC GRADE LINE		
KM , km	KILOMETERE		
M ,m	METRE		
Chkd	CHECKED		
Apprvd	APPROVED		
M . W .L	MAXIMUM WATER LEVEL		
MIN	MINIMUM		
No(s)	NUMBER(S)		
N.G.L	NATURAL GROUND LEVEL		
P.C.C	PLAIN CEMENT CONCRETE		
R.C.C	REINFORCED CEMENT CONCRETE		



**Notes:**

- 1- All dimensions are in cm or as specified on drawing.
- 2- For concrete class and stone masonry type refer to Contract Specifications.
- 3- All cut-offs to be constructed against undisturbed soil.
- 4- Location of the structure, setting out and elevations to be confirmed by the WMD representative before construction.
- 5- The contractor shall construct and maintain all necessary channels, diversion and other temporary works necessary to ensure that irrigation water supplies are not interrupted during construction works.
- 6- All elevations are based on local benchmark.
- 7- Coordinates and elevatoin of local bechmark are attached to every single site.
- 8- Contraction joint in concrete coping at wall top shall be provided at 1.0m centers
9. Contraction joint in concrete base slab shall be provided at 2m centers.
- 10- Minimum concrete cover to steel reinforcement shall be 50mm.
- 11- Steel reinforcement shall have a minimum yield stress of 250N/mm<sup>2</sup>.
- 12- For retaining wall more than 12m in length, expansion joint shall be provided at 12m centers.
- 13- Abbreviations used:  
 GI stands for galvanized iron  
 EW stands for each way  
 EF stands for each face  
 FB stands for free board  
 Dia stands for diameter  
 MS stands for mild steel

<b>DACAAR / PROGRAM</b>	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 02 10	Project Title	CheckDam
	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	ABBREVIATION
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				

# BRIEF TECHNICAL SPECIFICATIONS

## CONCRETE WORKS:

- 1 - All air - entraining plain cement concrete should be M-200 by wright or be as specified on the drawings.
- 2 - All PCC to have cement, sand and aggregate as specified on the drawings.
- 3 - Concrete design should be based on a compressive strength of  $f_c = 200\text{kg/cm}^2$  or as specified on the drawings.
- 4 - Weight per unit volume of concrete  $W=2400\text{kg/m}^3$ .
- 5- Sand or fine aggregate shall be free from salt, Alkali, Calcium sulphate or Vegetation and it shall not contain more than 0.5 percent by weight clay.
- 6 - Aggregate:- Coarse aggregate shall consist of crushed gravel with the maximum size of 20mm.
- 7 - The maximum slump for concrete should be between ( 5 - 7.5 )cm. ( For difrent concrete type refer to general specification ).
- 8 - To increase the workability of the concrete provide the chemical admixture ( Super plasticizer, If required ).
- 9 - Water used for concrete mixture and concrete curing shall be from a source approved by the Engineer and at the time of use shall be free from contaminants.
- 10- Concrete compaction should be done by using concrete vibrator at the time of pouring in such a way to form a solid compact concrete.
- 11- Concrete curing should by continued for 28 days.
- 12- During cold weather concreting should be stopped or the contractor has to consider cold weather concreting procedure as accepted by the Engineer. ( Or refer to general specification ).
- 13- Concrete shuttering / formwork should be of steel or wooden type.
- 14- Concrete shuttering can be removed as per below minimum duration:  
Side of beams, Walls, Columns ( 16 - 24 Hours ).  
Forms from beneath the slabs ( Spaning up to 6m. ) 14 Days.  
Forms from beneath the slabs ( Spaning above 6m. ) 21 Days
- 15- All air entrained concrete with 4.5% - 7% of air volumes should be used instead of normal concrete works by adding approved admixture.
- 16- All RCC should be M-25.
- 17- All blinding PCC shall be M-10.
- 18- Reinforcement yield strength  $f_y$  shall not be less that (  $2500\text{kg/cm}^2$  ).

## MASONRY WORKS:

- 1 - Plum / Mass air - entraining concrete shall contain a maximum of 40% stone with a maximum stone size as 20-30cm.  
The concrete ratio shall be M-20.
- 2 - Stone for Stone masonry, Gabion and grouted stone pitching should be of good quality and approved by Engineer.
- 3 - All stone masonry for foundations should be with ratio of (1:3 ).
- 4 - All masonry cutoff wall shall be with ( 1:3 ) Cement sand mortar or as specified on the drawing.

## EARTH WORKS:

- 1 - Backfilling material should be properly tested and selected to be suitable as per standard practice.
- 2 - For backfilling maximum thickness of each loose soil layer should not more than 15cm. According to general specification.
- 3 - Standard compaction tests should be carried out for the backfilling.
- 4 - The percentage of compaction should be not less than (92 - 95)% of the maximum dry density of selected material by the Engineer.

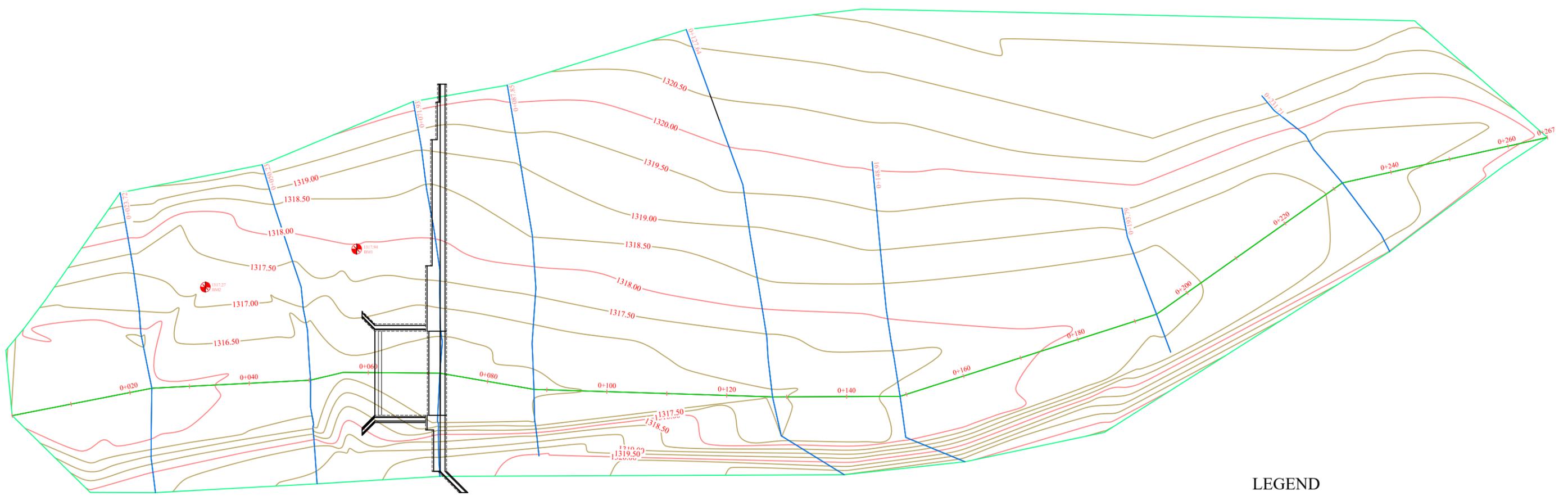
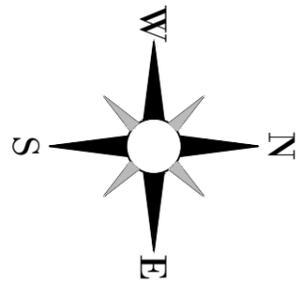
## GABION WORKS:

- 1 - Stone size for gabion shall range from ( 20 - 30cm ) dia. According to general specification.
- 2 - Galvanized iron wier of specified thickness ( 2.7- 3.0 )mm Should be properly woven and knotted together to form the required mesh in hexagonal / rectangular shape of size ( 8 - 10cm ) for gabion basket and ( 10 - 12cm ) for gabion mattress to fabricate gabion boxes to the saftsfaction of the Engineer.
- 3 - Principal wire along the gabion edges ( Selvedges ) for gabion boxes should be of galvanized iron having minimum thickness of ( 4mm ).
- 4 - Gabion galvanized iron wire tensile strength should be ( 350 - 575 N /  $\text{mm}^2$  ).

## OTHERS:

- 1 - Bitumen coating should be used in all contraction / Expansion joints.
- 2 - All quality control field tests should be carried out by the contractor in a specified laboratory as accepted by the client.
- 3 - Construction joints for PCC and masonry walls should be provided as ( 15 - 20m ) center to center.
- 4- All diversions and flood protection works is contractor responsibility,

DACCAAR / PROGRAM	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 03 10	Project Title	CheckDam
	Implemented By	DACCAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	SPECIFICATIONS
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				

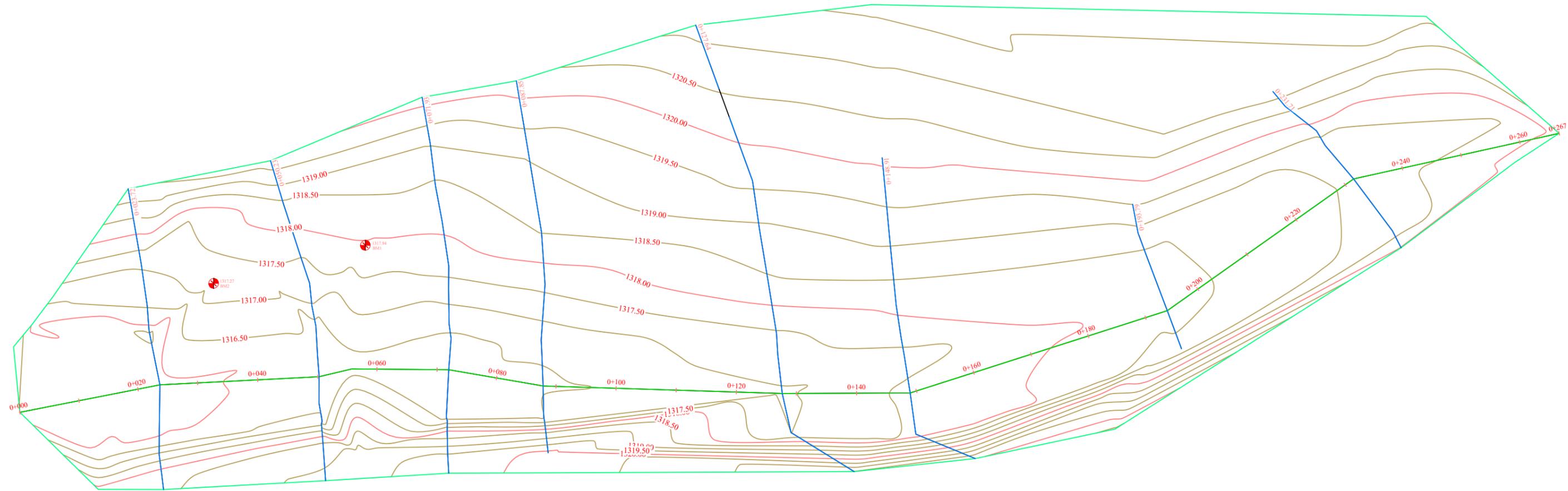
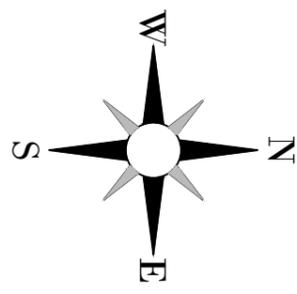


**Topo Plan of Check Dam**

**LEGEND**

	Bench Mark			
	Water Storage Contour			
	Bed			
<b>As per Site</b>				
<b>Point Table</b>				
Point #	Elevation	Northing	Easting	Description
16	1317.94	3584083.69	631635.14	BM1
17	1317.27	3584077.36	631609.91	BM2

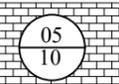
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	Implemented By	DACCAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	Plan
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				



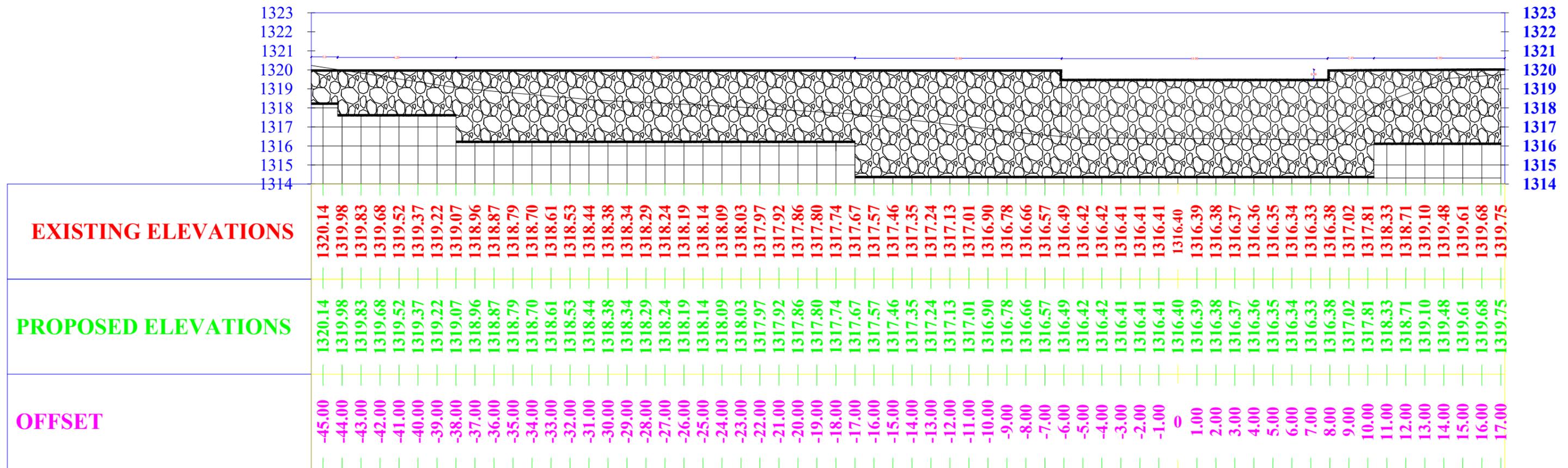
### Site Plan of Check Dam

#### LEGEND

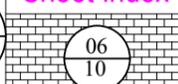
	Bench Mark			
	Water Storage Contour			
	Bed			
As per Site				
Point Table				
Point #	Elevation	Northing	Easting	Description
16	1317.94	3584083.69	631635.14	BM1
17	1317.27	3584077.36	631609.91	BM2

<b>DACAAR / PROGRAM</b>	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 	Project Title	CheckDam
	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	Site Plan
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				

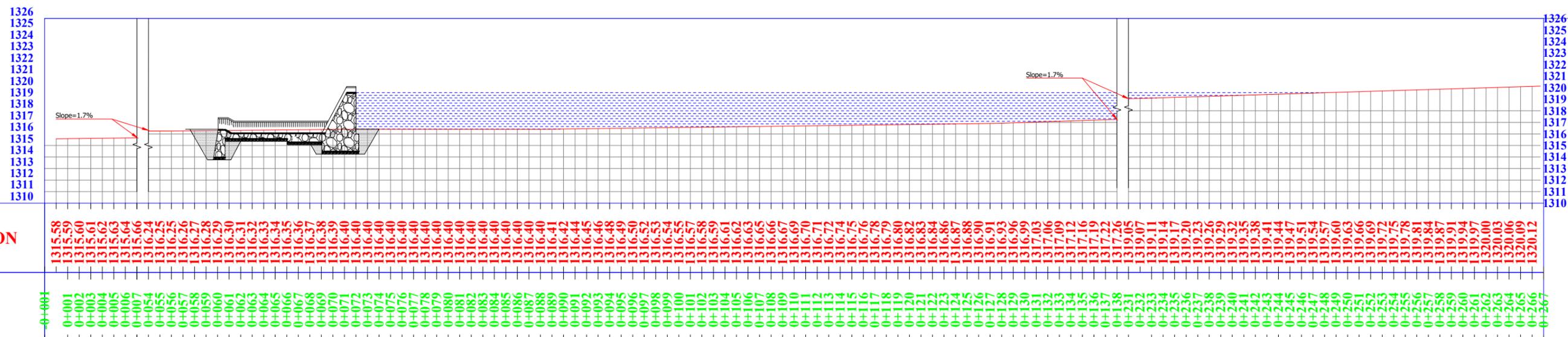
**0+071.93**



**KHANJAK CHECK DAM ON RIVER X- SECTION AT CH:0+071.93**

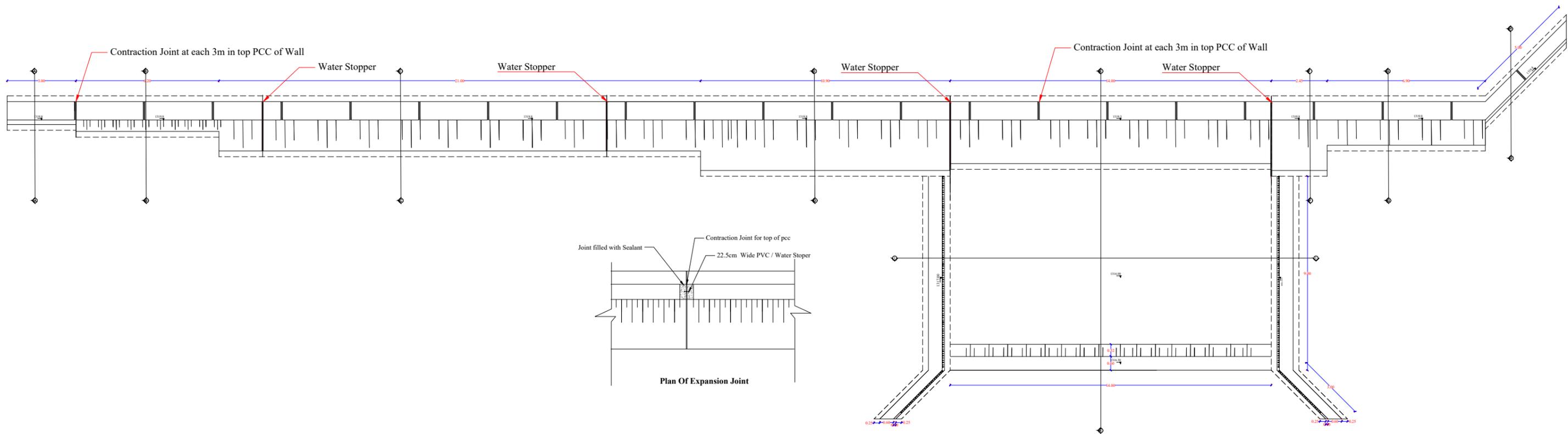
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	Implemented By	DACAAR	Province	Helmand	Checked & Approved By	Eng. Abdul Wali Muslih		06 10	Date :	March-2026						
											District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat	Drawing Title	X-SECTION

## KHANJAK PROJECT PROFILE



## KHANJAK CHECK DAM ON RIVER L- SECTION

<b>DACAAR / PROGRAM</b>	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 07 10	Project Title	CheckDam
	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	L- SECTION
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				

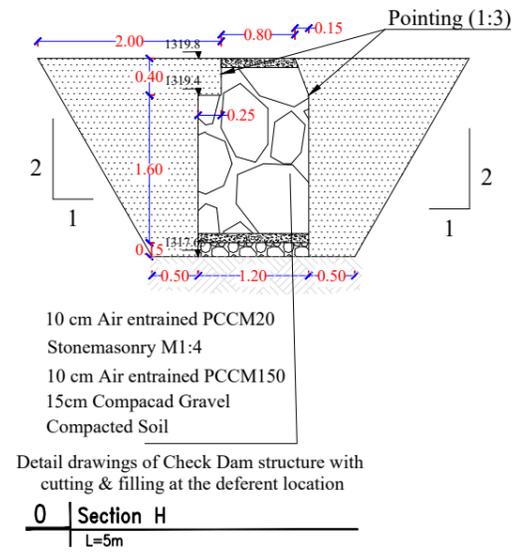
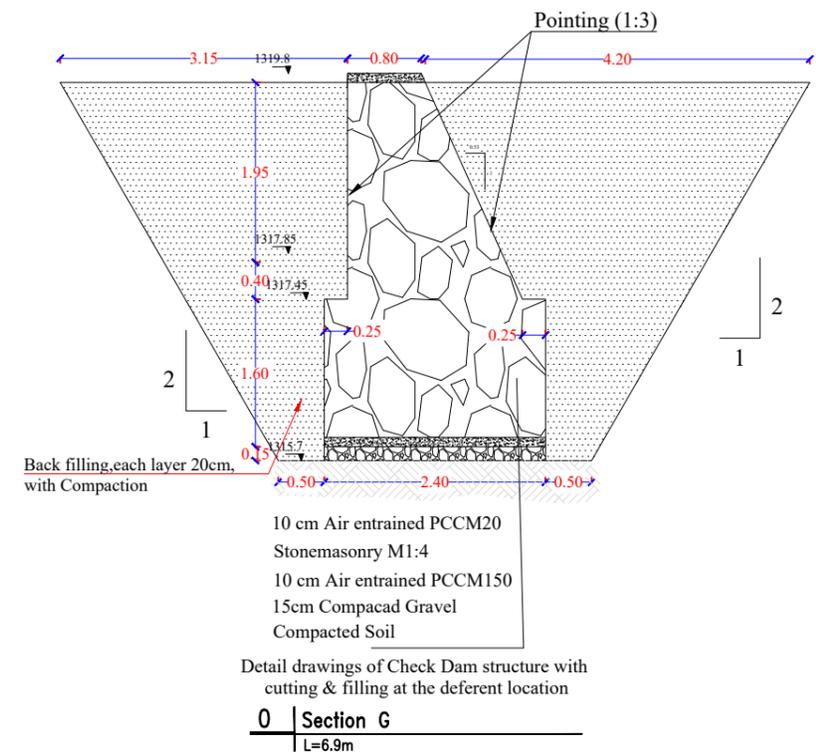
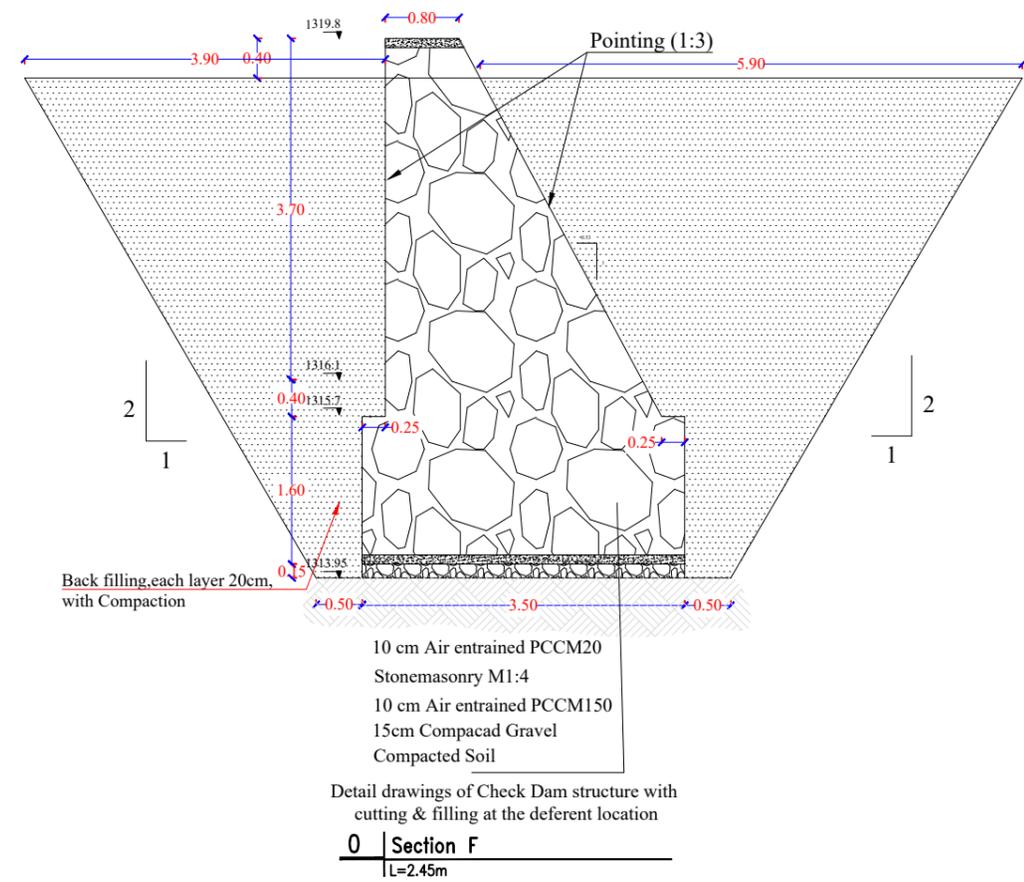
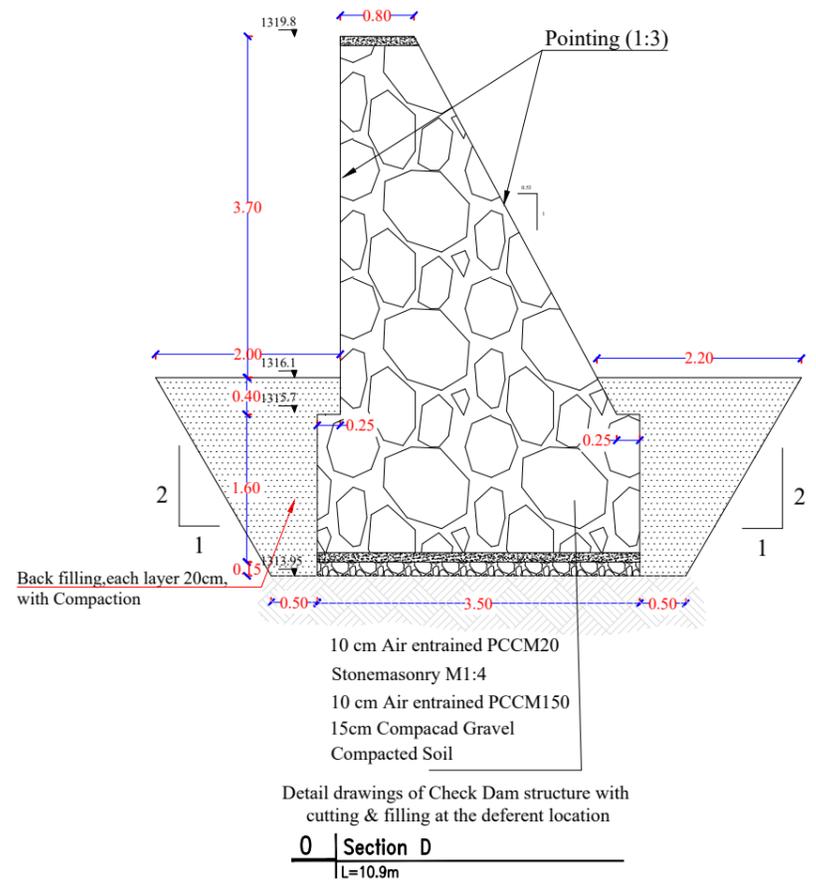


**Plan Of Check Dam**

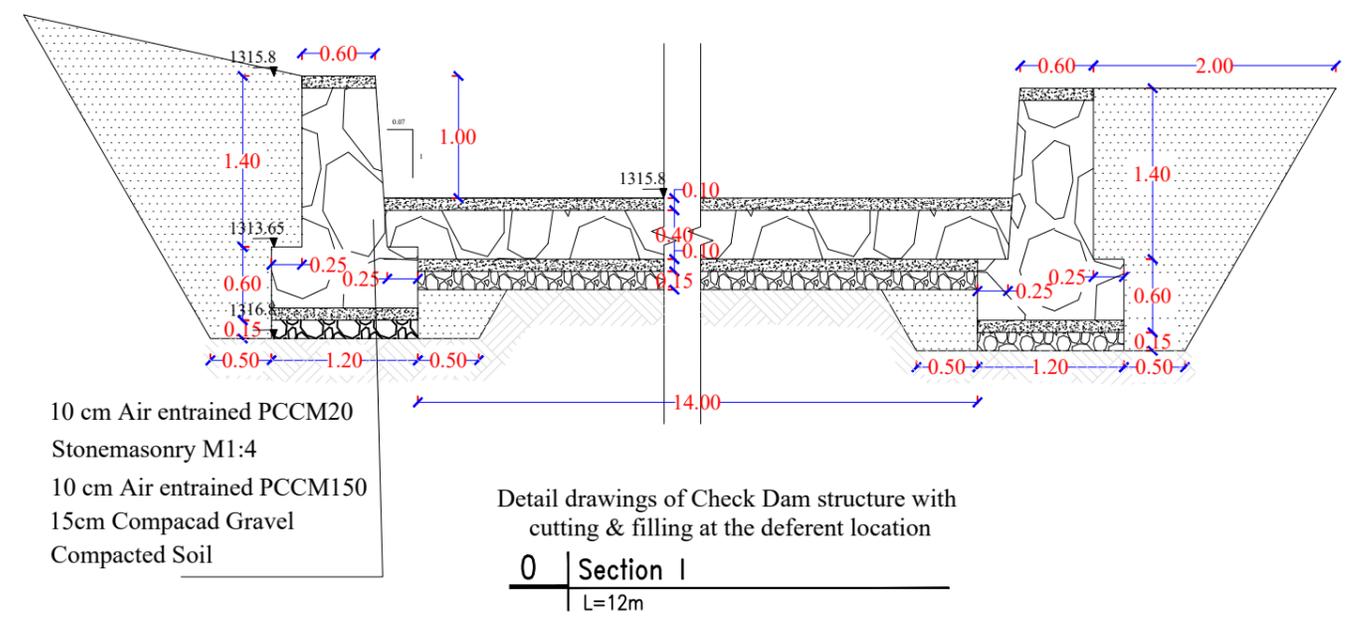
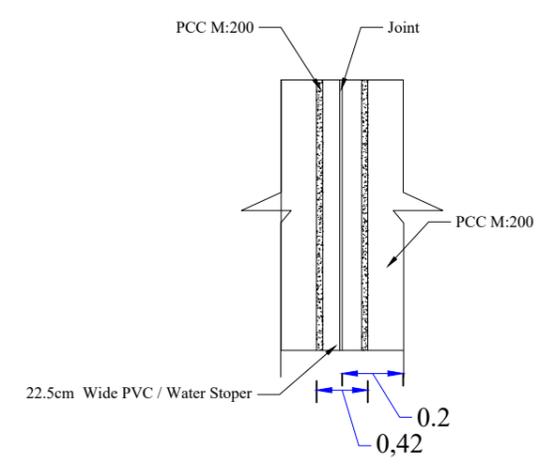
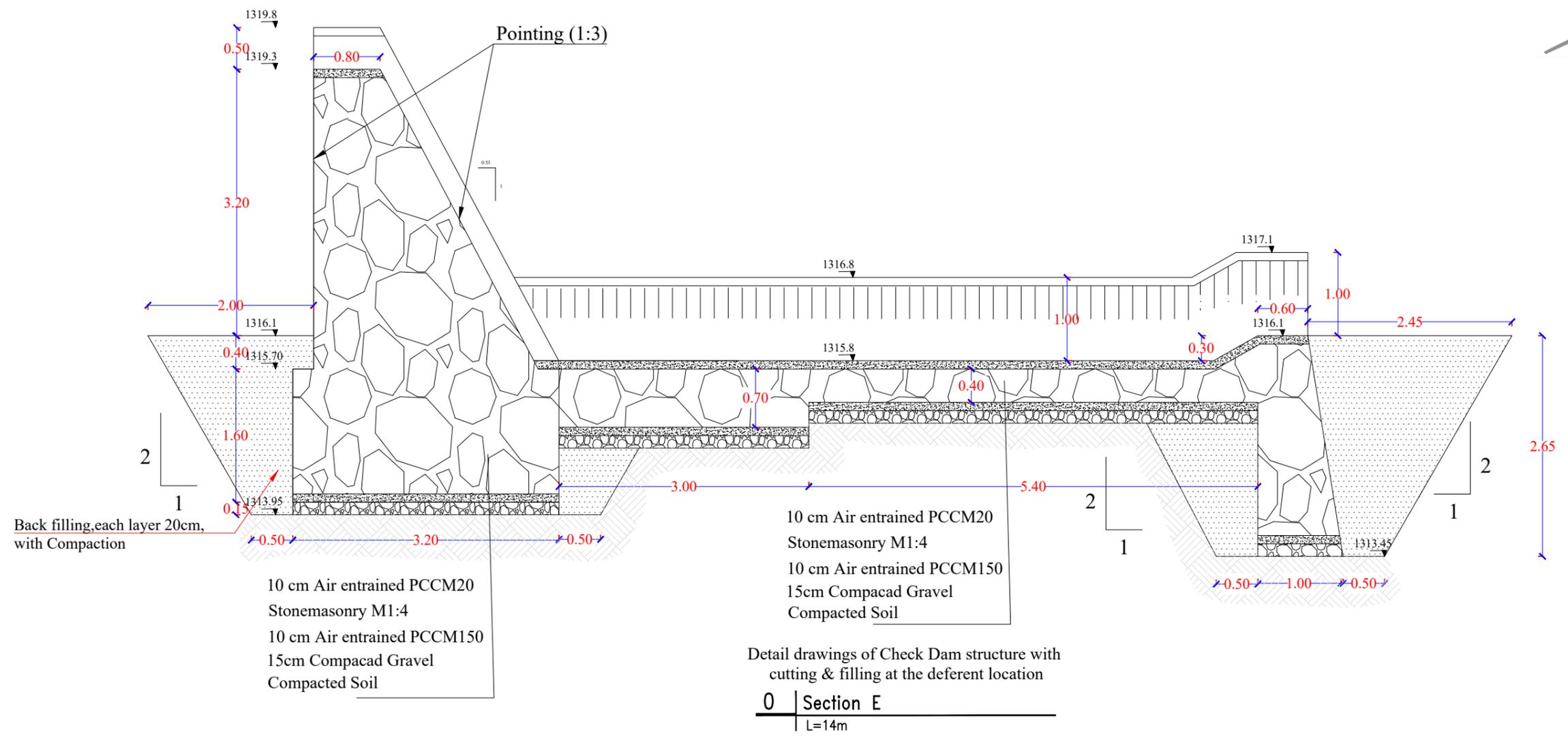
**Note:**

- All dimensions are in M.
- All Excavated material can be use it upstream and downstream faces fillings with 90% Compaction.
- Filling layers must not be Pave more than (15-20)cm thickness.

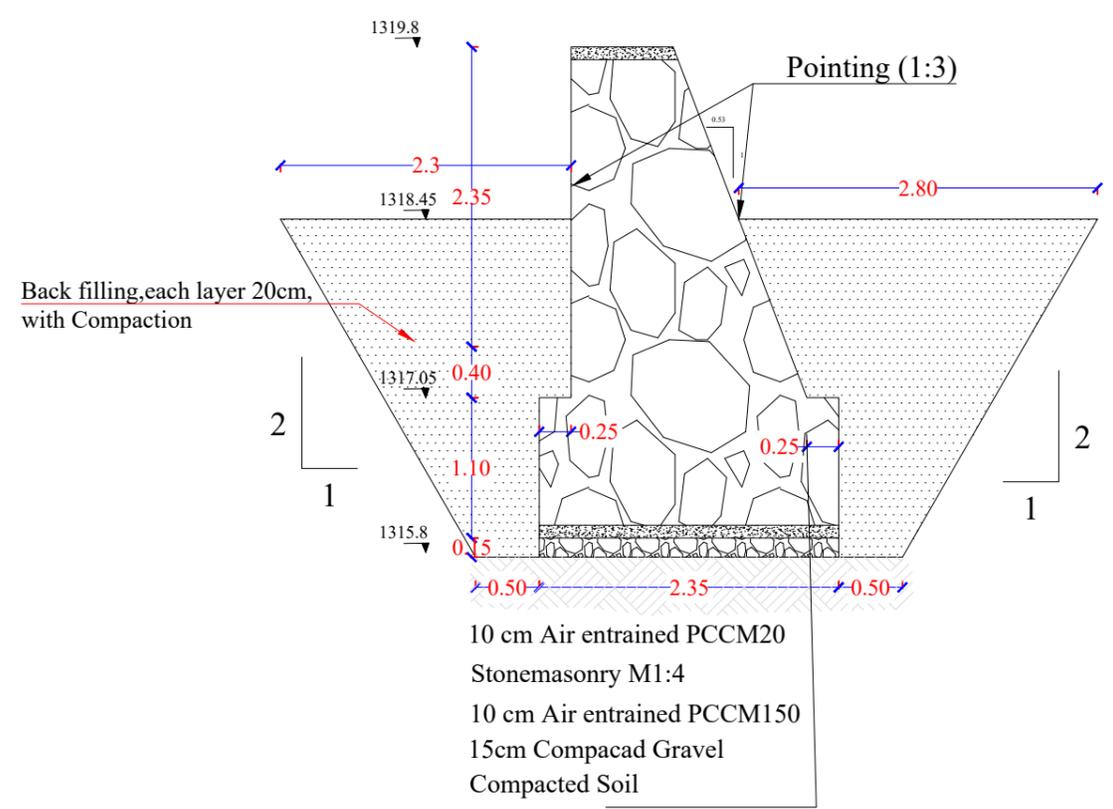
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	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	Section
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				



DACAAR / PROGRAM	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 09 10	Project Title	CheckDam
	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	L- SECTION
			Province	Helmand	Reviewed by	Eng. Sayed Najib Jalal		Date :	March-2026	
					Checked & Approved By	Eng. Abdul Wali Muslih				

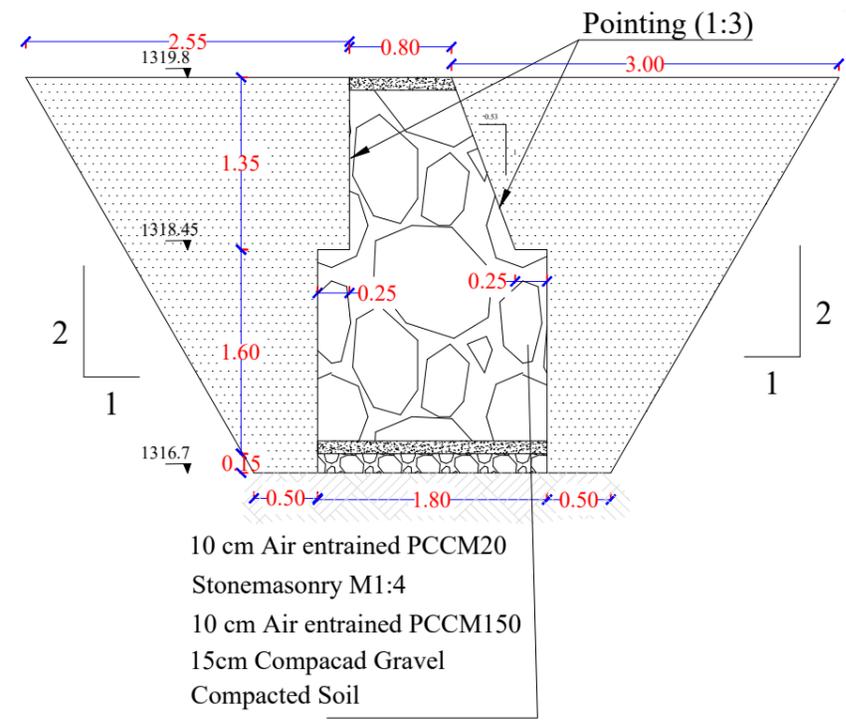


DACAAR / PROGRAM	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 10 10	Project Title	CheckDam
	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	Section
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				



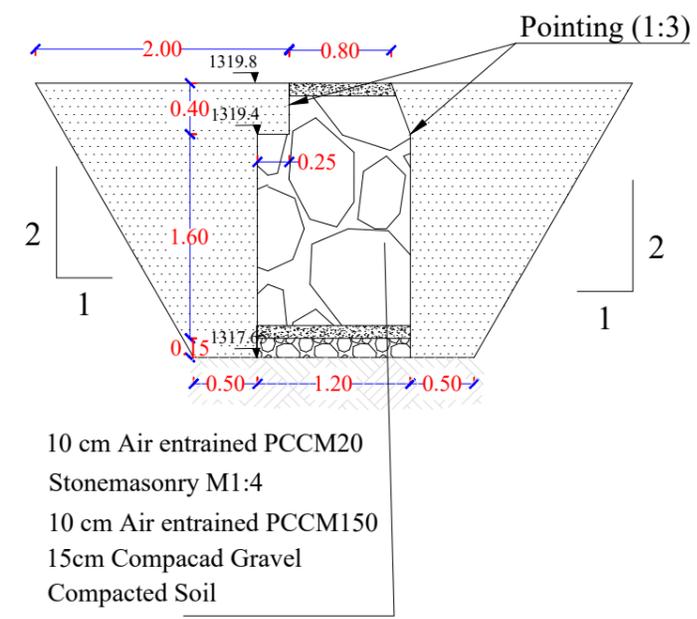
Detail drawings of Check Dam structure with cutting & filling at the deferent location

**0** | Section C  
L=21m



Detail drawings of Check Dam structure with cutting & filling at the deferent location

**0** | Section B  
L=6.20m



Detail drawings of Check Dam structure with cutting & filling at the deferent location

**0** | Section A  
L=3m

DACAAR / PROGRAM	Funded By	UNODC	Village	Khanjak	Survey by	Eng. Sayed Zaki Sadat	Scale Meter	Sheet Index 10 10	Project Title	CheckDam
	Implemented By	DACAAR	District	Nowzad	Drawn & Designed by	Eng. Sayed Zaki Sadat			Drawing Title	Section
			Province	Helmand	Reviewed By	Eng. Sayed Najib Jalal			Date :	March-2026
					Checked & Approved By	Eng. Abdul Wali Muslih				

Technical and Coordination Unit/Survey and Design Team  
Bill of Quantity (BOQ) for Construction of Khanjak Check Dam

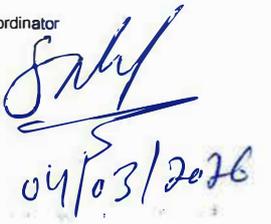
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District: Nwazad  
Village: Khanjak  
Fund: UNODC

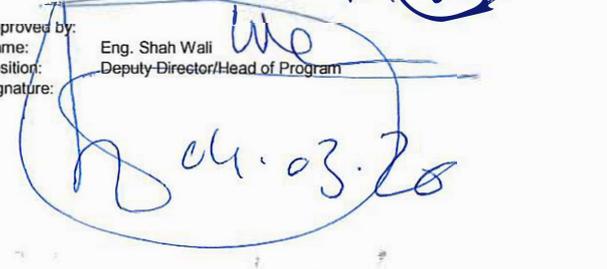
Subproject Name: Khanjak  
Estimation Date: 04.03.2026  
Submitting Date: 04.03.2026

No.	Item	Activities %	Quantity	Unit	Unit cost	Total cost Afs
1	Mobilization: Includes the cost of all activities necessary for project implementation, such as the transfer of personnel, tools, vehicles, establishment of the field office, and subsequent demobilization.	1.42%	1	LS		-
2	<b>Normal Excavating works (Manual):</b> This item shall consist of excavation works executed manually without the use of hydraulic or mechanical equipment. The scope includes excavation in all types of soil (unless otherwise specified), loading, transporting, and disposing of surplus materials to a lead distance of up to 500 meters from the excavation site, or as instructed by the Field Engineer. All works shall be carried out in strict accordance with Paragraph 2.02 of the Technical Specifications and shall be subject to inspection and written approval by the Supervising Engineer prior to measurement and payment. Measurement and payment shall be made based on the actual volume of excavation completed and approved.	4.42%	1,040	M3		-
3	<b>Hard Excavation Works:</b> This item shall consist of excavation in hard materials including compacted soil, soft to hard rock, boulders, or other dense strata that cannot be removed by manual means and typically require the use of mechanical equipment and/or approved controlled blasting methods. The scope of work includes breaking, loosening, excavation, loading, transportation, and disposal of excavated materials as specified in the contract documents or as directed by the Field Engineer. All works shall be executed in accordance with the Technical Specifications and shall be subject to inspection and written approval by the Supervising Engineer prior to measurement and payment. Measurement and payment shall be made based on the actual volume of work completed and approved.	6.16%	272	M3		-
4	<b>Dense Filling with FDD tests:</b> Dense Filling with FDD Tests This item shall consist of the supply, placement, spreading, watering, and compaction of approved well-graded fill material in designated areas. The fill material shall comply with specified gradation requirements and shall be placed in approved layers. Field compaction shall be verified through Field Density Tests (FDD). The achieved dry density shall not be less than 90% of the Modified Proctor Maximum Dry Density, determined in accordance with applicable ASTM standards. When mechanical compaction equipment is used, the compacted layer thickness shall not exceed 20 cm. When manual compaction equipment is used, the compacted layer thickness shall not exceed 10 cm. All works shall be carried out in accordance with the Technical Specifications and shall be subject to inspection, testing, and written approval by the Supervising Engineer prior to acceptance and payment. Measurement and payment shall be based on the approved compacted volume.	3.86%	620	M3		-
5	<b>Stone Masonry Work M(1:4):</b> This item shall consist of constructing stone masonry walls using hard, durable, and clean stones free from dust, dirt, or other deleterious materials. Stones shall be laid in cement-sand mortar with a mix ratio of 1:4 (1 part cement : 4 parts sand) unless otherwise specified. Work shall include proper leveling, bonding, and alignment of masonry as per the approved drawings, specifications, and instructions of the Field Engineer. All work shall be subject to inspection, testing, and written approval by the Supervising Engineer prior to acceptance and payment. Measurement and payment shall be made based on the actual volume of masonry constructed and approved.	66.95%	657	M3		-
6	<b>15 cm Thick Sea Gravel Layer in the Lower Part of the Tahadab:</b> This item shall consist of the preparation, placement, and compaction of a 15 cm thick gravel filter layer composed of well-graded materials beneath paving stones or gabions. <b>Material Requirements:</b> The gravel layer shall consist of a well-graded mixture of sea sand and sea gravel, or crushed gravel, ensuring proper gradation for filter and drainage purposes. Materials shall be free from deleterious substances and approved by the Field Engineer. All works, materials, and workmanship shall comply with the approved drawings and specifications and shall be subject to inspection and written approval by the Supervising Engineer prior to acceptance and payment. Measurement and payment shall be based on the actual compacted volume of gravel layer approved by the Supervising Engineer.	1.13%	53	M3		-
7	<b>PCC M(1:1.5:3):</b> This item shall consist of the supply, preparation, placement, compaction, and curing of Plain Cement Concrete (PCC) with a mix ratio of 1:1.5:3 (1 part cement : 1.5 parts sand : 3 parts coarse aggregate). The concrete shall be designed to achieve a compressive strength of 20 MPa at 28 days. All works, materials, and workmanship shall comply with the approved drawings and technical specifications and shall be subject to inspection and written approval by the Supervising Engineer prior to acceptance and payment. Measurement and payment shall be based on the actual volume of PCC placed and approved.	9.22%	62	M3		-
8	<b>PCC M(1:2:4):</b> This item shall consist of the supply, preparation, placement, compaction, and curing of Plain Cement Concrete (PCC) with a mix ratio of 1:2:4 (1 part cement : 2 parts sand : 4 parts coarse aggregate). The concrete shall be designed to achieve a compressive strength of 15 MPa at 28 days. All works, materials, and workmanship shall comply with approved drawings and technical specifications and shall be subject to inspection and written approval by the Supervising Engineer prior to acceptance and payment. Measurement and payment shall be made based on the actual volume of PCC placed and approved.	4.78%	35	M3		-
9	<b>Pointing, M (1:3):</b> Pointing of masonry joints using cement-sand mortar (1:3). Joints shall be cleaned to a depth of 3 cm before application. After completion, excess mortar shall be removed, and the joints cured properly. All work shall comply with Technical Specifications Paragraph 4.05 and be approved by the Supervising Engineer.	1.86%	596	M2		-
10	<b>Installation of Water Stopper with Waterproof PCC Concrete (1:4):</b> Installation of water stopper embedded in waterproof PCC concrete (1:4). Includes preparation, placement, compaction, and curing. All work must follow project specifications and be approved by the Supervising Engineer.	0.21%	21	m		-
<b>Total Cost In Afs</b>		100.00%				0 Afs
<b>Total Cost in USD</b>						\$0

Prepared by:  
Name: Sayed Zaki Sadat  
Position: Survey & Design Engineer  
Signature: 

Authorized by:  
Name: Eng. Ab. Wali Muslih  
Position: Manager Technical & Coordination Unit  
Signature: 

Review and Checked by:  
Name: Sayed Najib Jalal  
Position: Survey & design Coordinator  
Signature: 

Approved by:  
Name: Eng. Shah Wali  
Position: Deputy Director/Head of Program  
Signature: 

**DACAAR - Program**  
**Technical and Coordination Unit/Survey and Design Team**  
**Bill of Quantity (BOQ) for Construction of Khanjak Check Dam**

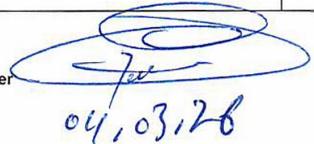
Province: Helmand  
 District: Nowzad  
 Village: Khanjak  
 Fund: UNODC

Subproject Name: Khanjak  
 Estimation Date: 04.03.2026  
 Submitting Date: 04.03.2026

S/N	Description	QNT	Unit	Weeks												
				1	2	3	4	5	6	7	8	9	10	11	12	
1	<b>Mobilization:</b> includes the price of all activities such as the transfer of personnel, tools, vehicles, field establishment office and other activities for the implementation of the project and demobilization.	1	LS													
2	<b>Normal Excavating works(Manual):</b> Normal Excavating works(Manual): This item shall consist of excavation works executed manually without the use of hydraulic or mechanical equipment. The scope includes excavation in all types of soil (unless otherwise specified), loading, transporting, and disposing of surplus materials to a lead distance of up to 500 meters from the excavation site, or as instructed by the Field Engineer.	1,040	m3													
3	<b>Hard Excavation Works:</b> This item shall consist of excavation in hard materials including compacted soil, soft to hard rock, boulders, or other dense strata that cannot be removed by manual means and typically require the use of mechanical equipment and/or approved controlled blasting methods	272	m3													
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6	<b>15 cm Thick Sea Gravel Layer in the Lower Part of the Tahadab:</b> This item shall consist of the preparation, placement, and compaction of a 15 cm thick gravel filter layer composed of well-graded materials beneath paving stones or gabions.	53	m3													
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8	<b>PCC M(1:2:4):</b> This item shall consist of the supply, preparation, placement, compaction, and curing of Plain Cement Concrete (PCC) with a mix ratio of 1:2:4 (1 part cement : 2 parts sand : 4 parts coarse aggregate).	35	m3													
9	<b>Pointing, M (1:3):</b> Pointing of masonry joints using cement-sand mortar (1:3). Joints shall be cleaned to a depth of 3 cm before application. After completion, excess mortar shall be removed, and the joints cured properly. All work shall comply with Technical Specifications Paragraph 4.05 and be approved by the Supervising Engineer.	596	m2													
10	<b>Installation of Water Stopper with Waterproof PCC Concrete (1:4):</b> Installation of water stopper embedded in waterproof PCC concrete (1:4). Includes preparation, placement, compaction, and curing. All work must follow project specifications and be approved by the Supervising Engineer	21	m													

Prepared by:  
 Name:  
 Position:  
 Signature:

Sayed Zaki Sadat  
 Survey & Design Engineer



Review and Checked by :  
 Name :  
 Position :  
 Signature:

Sayed Najib Jalal  
 Survey & Design Coordinator



Authorized by :  
 Name:  
 Position :  
 Signature:

Eng. Ab. Wali Muslih  
 Manager Technical & Coordination Unit

Approved by:  
 Name:  
 Position :  
 Signature:

Eng. Shah Wali  
 Deputy Director/Head of Program

