

Date: 2019

OK

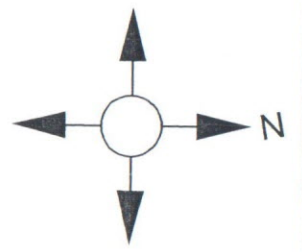
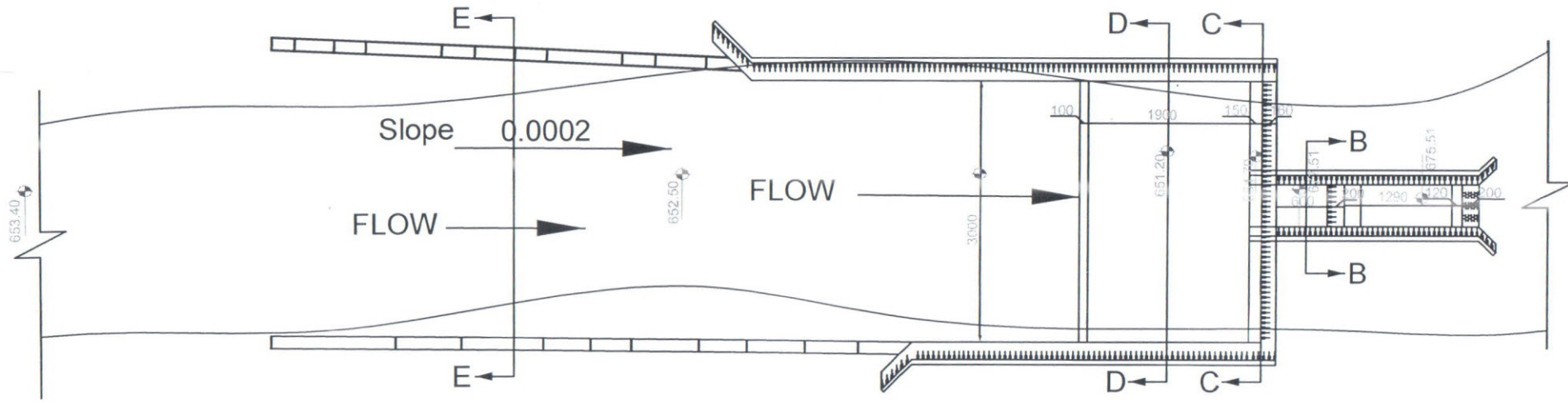
Sub Project Name:

Nawrooz tapa Check Dam

Nawrooz tapa Village

Saripul Sub River Basin





# Site Plane

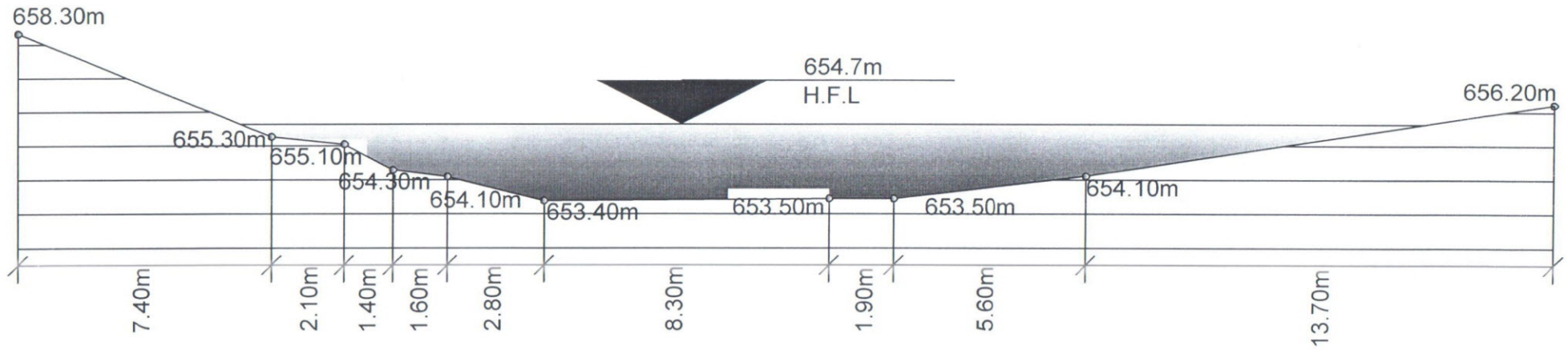
JOBS	NAME	POSITION	SIGNED
DRAWING BY	Sayed Wahid Ahmad	MANAGER OF PLANS & ENGINEERING SERVICES	<i>[Signature]</i>
SURVEY BY			<i>[Signature]</i>
DESIGNED BY			<i>[Signature]</i>
CHECKED BY	ENG. NAJIBULLAH "HAYAT"	HEAD OF PLANS & ENGINEERING SERVICES	<i>[Signature]</i>
APPROVED BY	ENG. SAYEED ROHULLAH "SHAHAB"	DIRECTOR OF SARI PUL SUB RIVER BASIN	<i>[Signature]</i>

All dimension is in Centimeter	
SARI PUL SUB RIVER BASIN	
PROJECT NAME:	NAWROZTAPA CHECKDAM
TYPE OF PROJECT:	MASS CONCRETE RETAINING WALL
LOCATION:	NAWROZTAPA VILLAGE CENTER OF SARI PUL PROVINCE
NUMBER OF PAGES:	01

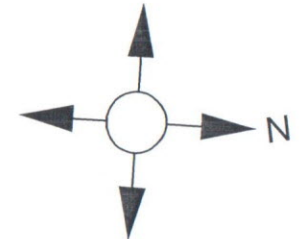
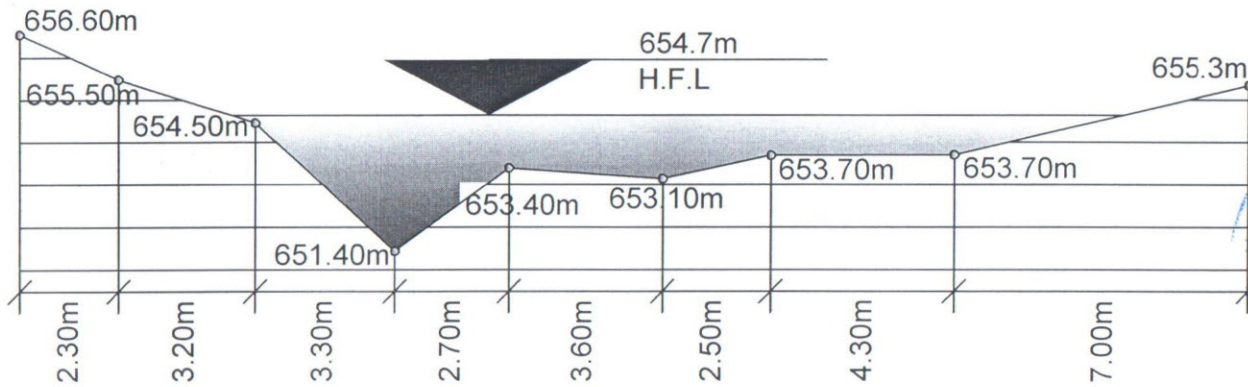


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 MINISTRY OF ENERGY AND WATER  
 NORTHERN RIVER BASIN  
 SARIPUL SUB BASIN





**Cs1**



JOB	NAME	POSITION	SIGNED
DRAWING BY	Sayed Wahid Ahmad	MANAGER OF PLANS & ENGINEERING SERVICES	
SURVEY BY			
DESIGNED BY			
CHECKED BY	ENG. NAJIBULLAH "HAYAT"	HEAD OF PLANS & ENGINEERING SERVICES	
APPROVED BY	ENG. SAYEED ROHULLAH "SHAHAB"	DIRECTOR OF SARI PUL SUB RIVER BASIN	

All dimension is in Centimeter

SARI PUL SUB RIVER BASIN

PROJECT NAME: NAWROZTAPA CHECKDAM

TYPE OF PROJECT: MASS CONCRETE RETAINING WALL

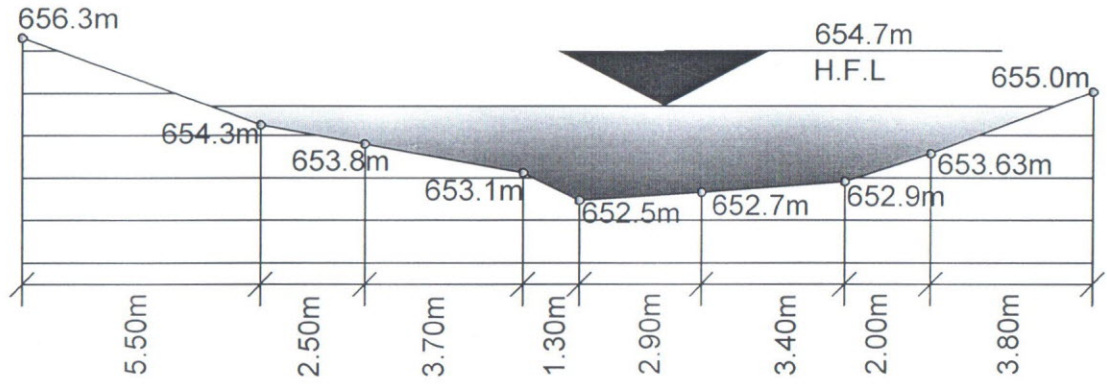
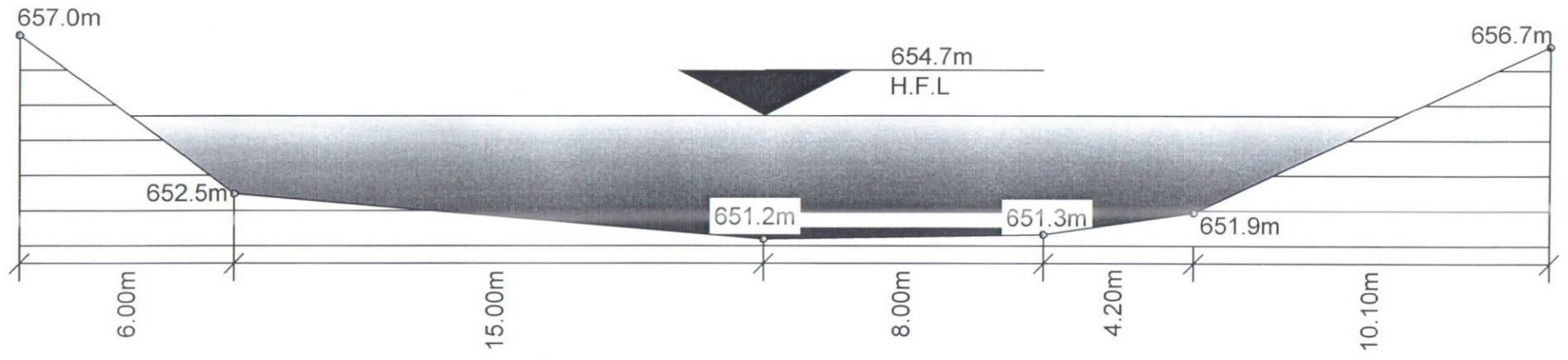
LOCATION: NAWROZTAPA VILLAGE CENTER OF SARI PUL PROVINCE

NUMBER OF PAGES: 02

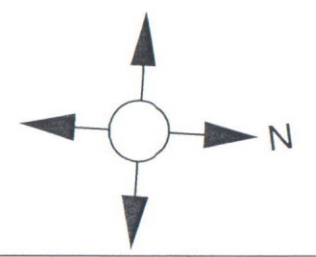


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**Cs4**



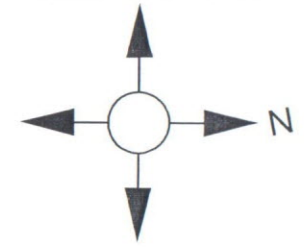
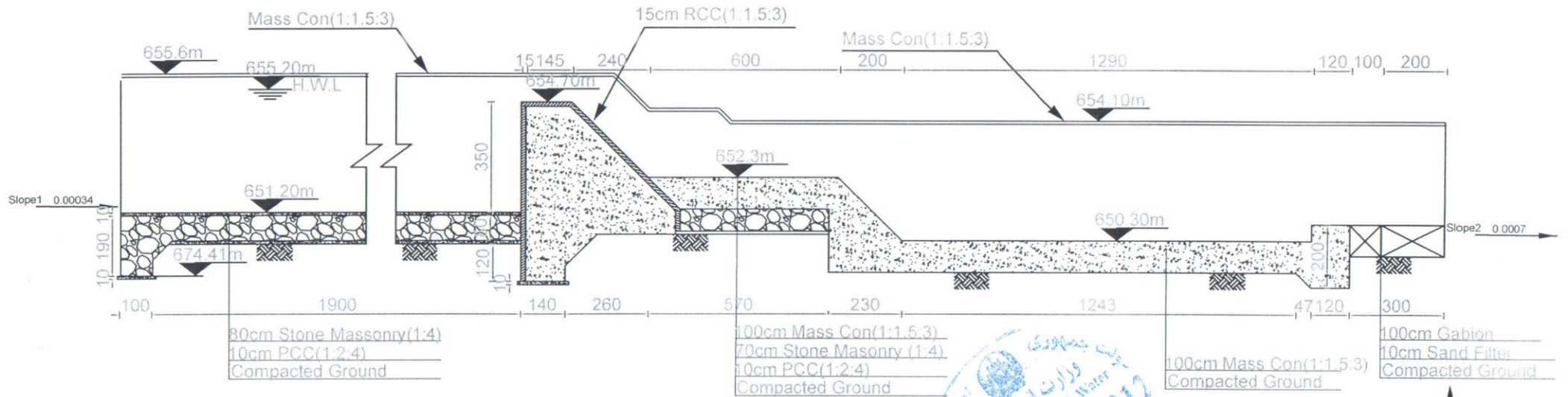
JOB	NAME	POSITION	SIGNED
DRAWING BY	Sayed Wahid Ahmad	MANAGER OF PLANS & ENGINEERING SERVICES	
SURV			
All dimension is in Centimeter			
SARI PUL SUB RIVER BASIN			
			PROJECT NAME: NAWROZTAPA CHECKDAM
			TYPE OF PROJECT: MASS CONCRETE RETAINING WALL
			LOCATION: NAWROZTAPA VILLAGE CENTER OF SARI PUL PROVINCE
			NUMBER OF PAGES: 03



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NORTHERN RIVER BASIN  
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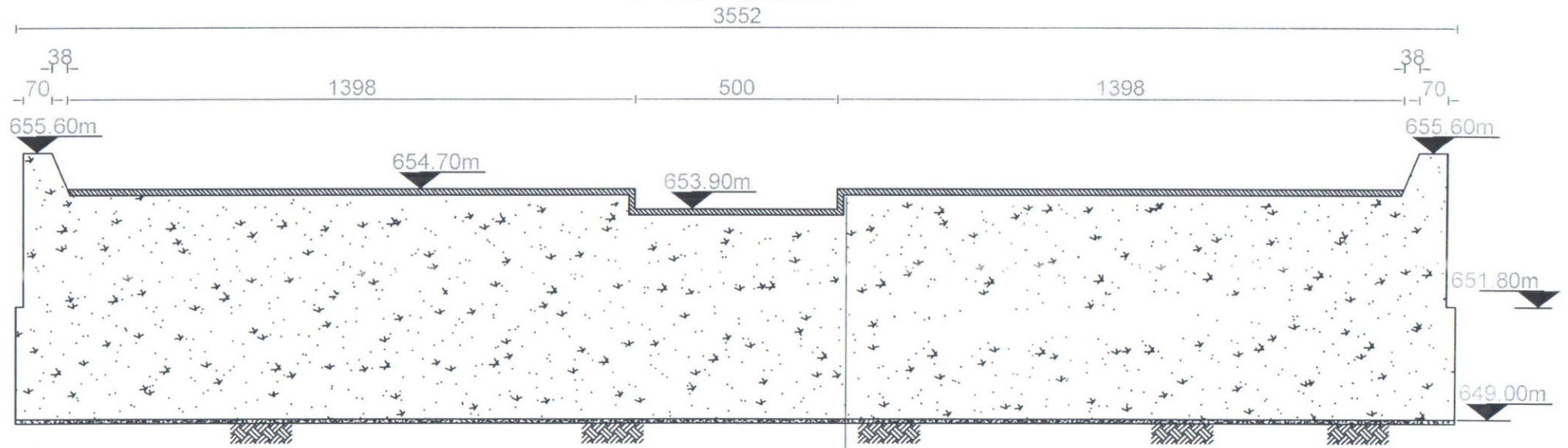
# Sec A-A



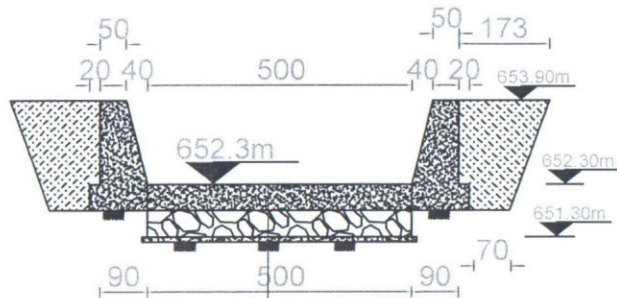
JOBS	NAME	POSITION	SIGNED	
DRAWING BY	Sayed Wahid Ahmad	MANAGER OF PLANS & ENGINEERING SERVICES		All dimension is in Centimeter
SURVEY BY				SARI PUL SUB RIVER BASIN
DESIGNED BY				PROJECT NAME: NAWROZTAPA CHECKDAM
CHECKED BY	ENG. NAJIBULLAH "HAYAT"	HEAD OF PLANS & ENGINEERING SERVICES		TYPE OF PROJECT: MASS CONCRETE RETAINING WALL
APPROVED BY	ENG. SAYEED ROHULLAH "SHAHAB"	DIRECTOR OF SARI PUL SUB RIVER BASIN		LOCATION: NAWROZTAPA VILLAGE CENTER OF SARI PUL PROVINCE
				NUMBER OF PAGES: 04

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**NORTHERN RIVER BASIN**  
**SARIPUL SUB BASIN**

# Sec C-C

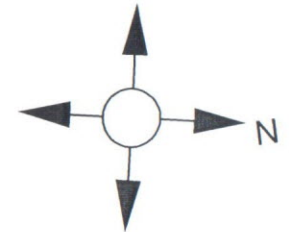


15cm R.C.C (1:1.5:3)  
 Mass Con(1:1.5:3)  
 10cm P.C.C (1:2:4)  
 Compacted Ground



## Sec B-B

50cm Mass Con(1:1.5:3)  
 50cm Stone masonry (1:4)  
 10cm P.C.C (1:2:4)  
 Compacted Ground



JOBS	NAME	POSITION	SIGNED
DRAWING BY	Sayed Wahid Ahmad	MANAGER OF PLANS & ENGINEERING SERVICES	
SURVEY BY			
DESIGNED BY			
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APPROVED BY	ENG. SAYEED ROHULLAH "SHAHAB"	DIRECTOR OF SARI PUL SUB RIVER BASIN	

All dimension is in Centimeter

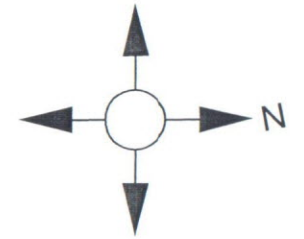
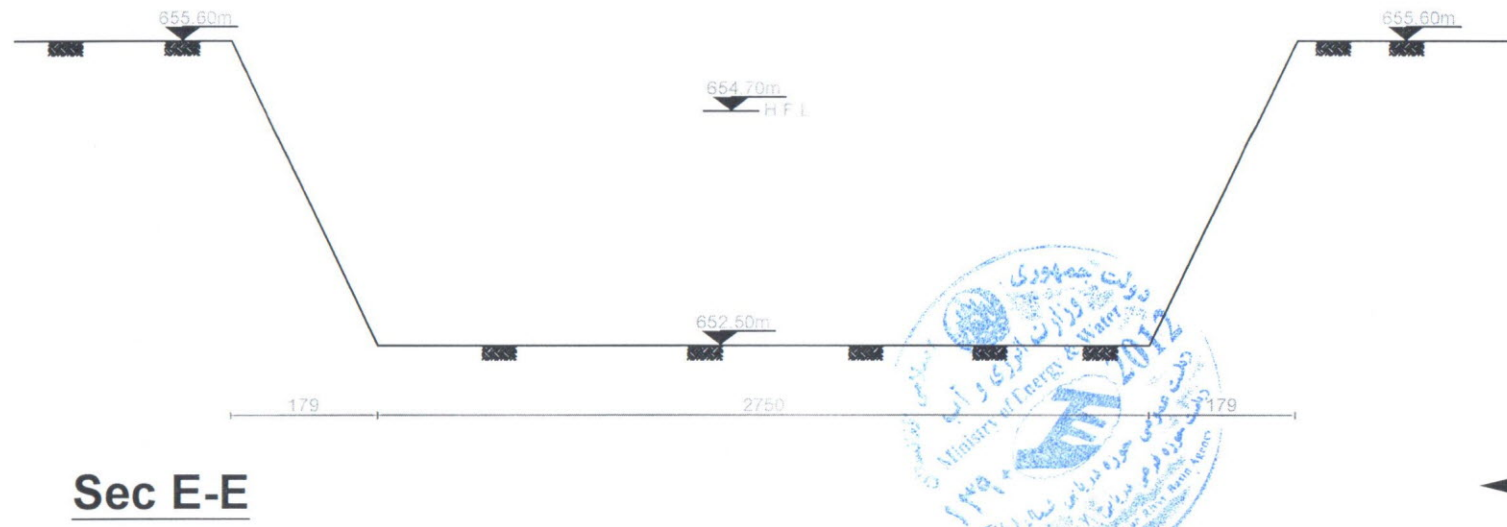
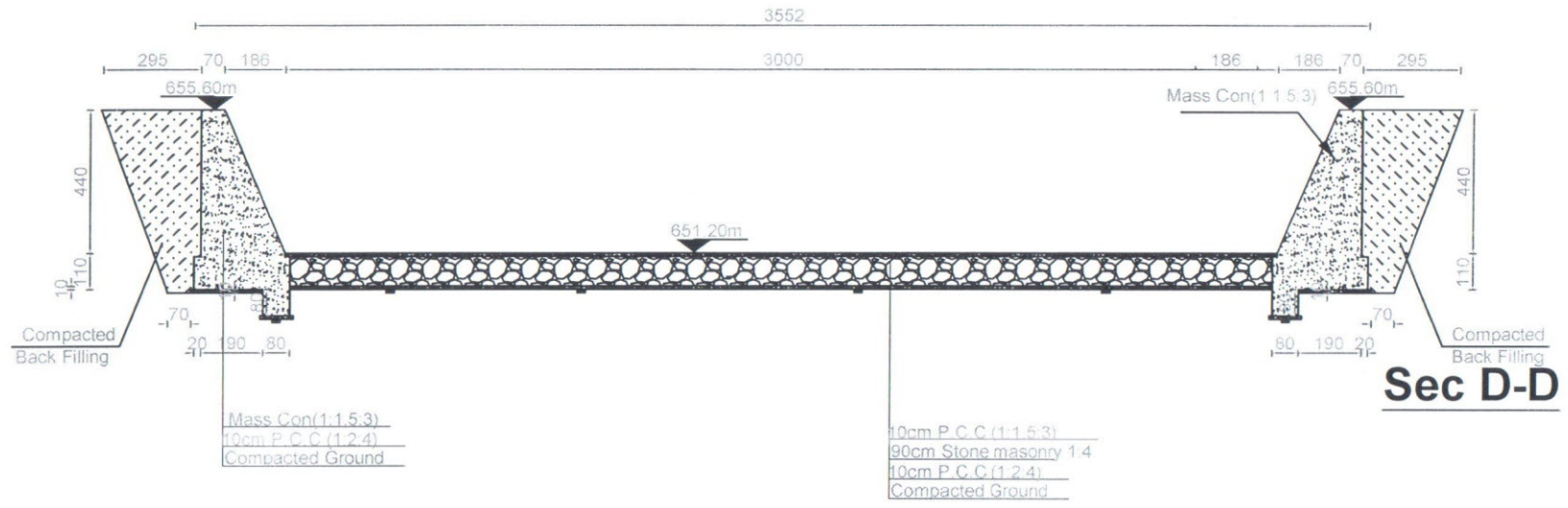
SARI PUL SUB RIVER BASIN

PROJECT NAME:	NAWROXTAPA CHECKDAM
TYPE OF PROJECT:	MASS CONCRETE RETAINING WALL
LOCATION:	NAWROXTAPAVILLAGE CENTER OF SARI PUL PROVINCE
NUMBER OF PAGES:	05



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 NORTHERN RIVER BASIN  
 SARIPUL SUB BASIN





JOB	NAME	POSITION	SIGNED
DRAWING BY	Sayed Wahid Ahmad	MANAGER OF PLANS & ENGINEERING SERVICES	
SURVEY BY			
DESIGNED BY			
CHECKED BY	ENG. NAJIBULLAH "HAYAT"	HEAD OF PLANS & ENGINEERING SERVICES	
APPROVED BY	ENG. SAYEED ROHULLAH "SHAHAB"	DIRECTOR OF SARI PUL SUB RIVER BASIN	

All dimension is in Centimeter	
SARI PUL SUB RIVER BASIN	
PROJECT NAME:	NOWROZTAPA CHECKDAM
TYPE OF PROJECT:	MASS CONCRETE RETAINING WALL
LOCATION:	NOWROZTAPA VILLAGE CENTER OF SARI PUL PROVINCE
NUMBER OF PAGES:	06



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MINISTRY OF ENERGY AND WATER  
NORTHERN RIVER BASIN  
SARIPUL SUB BASIN



قارمیت برای خانه پیری پروژه چکم نوروز تپه ریاست حوزه فرعی دریایی (سرپل بالاچی)

ملاحظات	اولویت بندی پروژه	
	سوم	
	دوم	
	اول	اول
تعداد مستفید شونده گان آب	2100	
قیمت پروژه تحت پلان تخمین به افغانی	14861800	
مساحت تحت آبیاری به هکتار	بهبود وضع آبیاری	150
	بعداز پروژه	650
	قبل از پروژه	500
طول کانال به km	0.07	
جریان اعظمی کانال m <sup>3</sup> /sec	0	
مقدار جریان اعظمی دریا m <sup>3</sup> /sec	330	
عرض البلد	36° 11' 49"	
طول البلد	65° 55' 10"	
ارتفاع از سطح بحر	655	
منبع تغذیه	آبهای باران	
تعداد میراب باشی ها	1	
امنیت منطقه	خوب	
نوع ساختمان مورد ضرورت	مس کانگریت	
موقعیت	قریه	نوروز تپه
	ولسوالی	مرکز
	ولایت	سرپل
اسم پروژه	چکم نوروز تپه	
شماره	4	



تائید: ریاست حوزه فرعی دریایی سرپل.....

ترتیب کننده: انجنیر سیدو حید

تائید: رئیس عمومی حوزه دریایی شمال.....



The essential equipment to be made available for the Contract of **Nawroztapa Check Dam** by the successful Bidder shall be:

S/N	Type of Equipment's	Required Number
1	GCB (Small Excavator)	1
2	Jack Hammer Excavator For Hard Excavation (Rock)	0
3	Double Drum Vibratory Rollers Compactor	1
4	Water Tanker (about 15,000 liter capacity)	2
5	Tractor with Blade	0
6	Dump Truck (about 10 Cub capacity)	5
7	Reversible Plate Compactors	2
8	Vibrator	2
9	Concrete Mixer	3
10	Generator 10Kw	2
11	Water Pump with 1000 m pipe (Capacity 20 Lps)	2
12	Total station	1
13	Auto Level Machine	1
14	Measuring Tape	3

Bidders are allowed to propose different equipment with sufficient information to establish that their capacity is equivalent or more that the above.

Note: Costly equipment's (e.g. 1, 4 and 5) may be deployed on "As and When required" basis.

Qualifications and experience of key personnel proposed for administration and execution of the Contract. [Attach biographical data. شایستگی و تجارب پرسونل کلیدی پیشنهاد شده قراردادی برای اداره و انجام کارها.]

Position موقف	Qty	Years of experience (general)* سال های تجارب (بشکل عموم)	Years of experience in proposed position* سالهای تجربه کاری برای رشته پیشنهاد شده
(a) Project/Contract Manager (One)	1	5	3
(b) Irrigation cum Survey Engineer (One)	1	5	3
(c) Site Engineer cum Safety supervisor (1) - one per site	1	5	3
(d) Safety Engineer	1	4	3
(e) Geo Technical Engineer	1	4	4
(f) Q/C Engineer	1	5	3

Please attach CV and university Certificate of the above persons



منظوری و تائیدی ادارات زیربند

شماره	مشخصات	اسم	وظیفه	امضاء
1	سروی کننده	سیدوحید احمد	مدیر برنامه ها	
		امیر حسین	انجنیر تاسیسات	
		محمد یعقوب	آمیر تنظیم آب	
		سیدوحید احمد	مدیر برنامه ها	
2	دیزاین کننده			
3	تائید ریاست حوزه فرعی دریایی	سیدروح الله (شهاب)	رئیس حوزه دریایی	
4	تائید ریاست عمومی حوزه دریایی شمال			
5	تائید مقام ولایت			
6	منظوری مقام وزارت			





مركز البحوث والدراسات  
البيئية والبيئية  
البيئية والبيئية  
2012  
مركز البحوث والدراسات  
البيئية والبيئية  
البيئية والبيئية



**SUMMARY BOQ OF Naw Roz Tapa Check Dam (Check Dam Template Structure)**

No	Item bill of quantity	Quantity	Unite	Unit Rate (Af)	Total Cost (Af)
1	Site Stripping, Cleaning and Grubbing : 15cm thick site stripping / clearance to layout the work before actual excavation which includes clearing of all herbs and shrubs, boulders as per the dimension of the structure	1	LS		
2	<b>Ordinary Soil Excavation:</b> Excavation in ordinary soil (in canal /river bed etc.) and disposal of surplus material up to a maximum distance of 500m or as directed by site engineer.	4100	M <sup>3</sup>		
3	<b>Air-Entrained Mass concrete(M200):</b> Supplying , Placing adding boulders , compacting and curing Air- entrained Mass concrete with 4.5 % to 7% of aired Vellums by adding approved admixtures, including formworks as per relevant drawing, specification and to the complete satisfaction of the site engineer. (%age of boulders in the mass concrete should not be more than 40% of total volume, also the size of the boulders should not be neither more than 1/5 <sup>th</sup> the literal dimension of the structure element , nor 20 cm , whichever is less).	2013.5	M <sup>3</sup>		
4	<b>Plaint Cement concrete(pcc) (M200):</b> Supplying , Placing , compacting and curing Air-entrained PCC M-20 with 4.5 % to 7% of aired Vellums by adding approved admixtures, as per relevant drawing, specification and to the complete satisfaction of the site engineer	163	M <sup>3</sup>		
5	<b>Joint preparation at each 15m:</b> Construction of expansion joint at every 15 m with 20 cm wide PVC water stop and cork filing including all materials and labors all as per relevant drawing, specification and complete satisfaction of site engineer.	55	M		
6	<b>Air-Entrained Reinforced Cement concrete (M250):</b> Supplying , Placing , compacting and curing Air-entrained RCC M-25 with 4.5 % to 7% of aired Vellums by adding approved admixtures including Steel Reinforcement framework , as per relevant drawing, specification and to the complete satisfaction of the site engineer.	57	M <sup>3</sup>		
7	<b>Compacted back filing:</b> All backfilling materials shall be will graded granular materials from selected materials of excavation or approved source of borrow pits including compaction to 95% modified proctor in layers of not more than 15 cm thickness in	1700	M <sup>3</sup>		



**SUMMARY BOQ OF Naw Roz Tapa Check Dam (Check Dam Template Structure)**

	accordance to the relevant drawing and specification and satisfaction of the site engineer.				
8	<b>Gabion basket (1x1x1m) :</b> Provide, install and fill the gabion basket (1x1x1) m with stone in place, having mesh size not more than (80x100) mm as per relevant drawing, specification and complete satisfaction of the site engineer. (2.7 to 3) mm galvanized mild steel wire should be used for the mesh with zinc quantity not less than 260 gr/m <sup>2</sup> and (3.4 to 4) mm galvanized mild steel wire with zinc quantity of not less than 275 gr /m <sup>2</sup> for the frame. The gabion boxes shall be fabricated 'Maccaferri' type or equivalent supplied by an approved manufacturer. The cage shall be constructed with 2.2 mm dia. Galvanized mild steel wire.	15	M <sup>3</sup>		
9	<b>Graded Gravel Filter:</b> supplying , placing and compacting granular filter materials under gabion basket as per relevant drawing as specification .	3	M <sup>3</sup>		
10	<b>Stone Masonry 1:4</b> Providing and laying random rubble and coursed stone masonry with cement sand mortar 1:4 as per relevant, Specifications and to the complete satisfaction of the site engineer.	555	M <sup>3</sup>		
11	<b>Wipe holes 3":</b> providing and installing pvc wipeholse with per relevant, Specifications and to the complete satisfaction of the site engineer.	70	M		
12	<b>Stone Sign board:</b> Preparing and installation of stone signboard specification and complete satisfaction of the site engineer.	1	LS		
<b>Total</b>					

تصديق کننده : رئيس حوزه دريائي سرپل

تأيند : رئيس عمومى حوزه دريائي زون شمال



ترتيب کننده: انجنير وحيد(هائى)

Handwritten signature and date 1391.

Title Work plan for Naw Roz Tapa checkdam

Title Work plan for Naw Roz Tapa checkdam				موضوع : جدول پلان کاری برای اعمار پروژه چکدم نوروژ تپه سال 1398																																											
Item Descriptions		Unit	Quantity	months																																											
				ماه اول				ماه دوم				ماه سوم				ماه چهارم				ماه پنجم				ماه ششم				ماه هفتم				ماه هشتم				ماه نهم				ماه دهم				ماه یازدهم			
شماره	فعالیت ها	واحد	مقدار	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4				
1	آماده سازی ستاجه برای کار پروژه	LS	1	■	■																																										
2	کندنکاری خاک عادی	M3	4100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
3	مس کاتکریت مارک 200 با 40% سنگ	M3	213.5			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
4	کاتکریت بدون سیخ (PCC)	M3	163			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
5	جاینت هادر هر 15 الی 20 متر	M	55			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
6	اهنگانگريت سيخدار (RCC)	M3	57									■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
7	پرکاری عقب دیوار	M3	1700													■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
8	نصب گبیون باکس	M3	15																																												
9	چخل دانه بندی شده	M3	3																																												
10	سنگ کاری فرش بند	M3	555																																												
11	نصب نل های (PVC)	M	70																																												
12	نصب لوحه سنگی	LS	1																																												

Prepared by: Sayed Wahid Ahmad