

বাংলাদেশ পানি উন্নয়ন বোর্ড

Project Management Office
Climate-Resilient Integrated Southwest
Project for Water Resources Management
(CRISP-WRM), BWDB, Dhaka.
email: bwdb.pd.crisp@gmail.com



প্রকল্প ব্যবস্থাপনা দণ্ডর
গোপালগঞ্জ জেলার টুঙ্গিপাড়া-কোটালীপাড়া উপজেলার
জলাবদ্ধতা নিরসনে সমিতি পানি সম্পদ ব্যবস্থাপনা
বাস্তবায়ন প্রকল্প, বাপাউবো, ঢাকা।
email: bwdb.pd.crisp@gmail.com

Memo No. PMO/691

Dated: 26-01-2025

To

Superintending Engineer
Design & Research Circle-05
Pani Bhaban, 72, Green Road,
BWDB, Dhaka.

Subject: Submission of bore log Data.

Ref: EE, SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj Memo No. 494, Dated: 19.01.2025. (কপি-
৩৫৮৩)

As per submission of Executive Engineer, SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj the
bore log data for below mentioned work are attached herewith for preparation of working design.

Sl	Name of Division	Name of Work	Remarks
1	SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj.	Construction of boatpass (IV-4.00m Wide) over Kuchimara Khal in c/w Tarail-Pachuria Sub-Project under IDWRM-KT during the year 2024-25.	

You are requested to take necessary action in this regard.

Enclosed: As stated.

(Md. Abu Baker Siddique Bhuayan)
Project Director
CRISP-WRM
BWDB, Dhaka.

A.E. Mostofa Kamal
04/02/2025

CC.

- Additional Director General, West Region, BWDB, Dhaka.
- CSO to DG, BWDB, Dhaka.
- Executive Engineer, SMO Specialized Division, IDWRM-KT (CRISP-WRM), BWDB, Gopalganj.
- Office Copy.

তারিখ: ০২-০১-২০২৫	তারিখ: ০০-০১-২০২৫
১. জনাব মোছাঃ তাসমীয় জাহান, নির্বাহী প্রকৌশলী	অঙ্গীকৃত জনকারী / জনকারী
২. জনাব মোঃ কামরুল হাসান, নির্বাহী প্রকৌশলী	প্রয়োজনীয় ব্যবস্থা নিম্ন
৩. জনাব পিটলী দে, নির্বাহী প্রকৌশলী	মন্তব্য নিম্ন / অভিজ্ঞতা কর্তৃপক্ষ
৪. জনাব মার্জিয়া ইসরাত, নির্বাহী প্রকৌশলী	নথি তৃতীয় কর্তৃপক্ষ
৫. জনাব উপ-বিভাগীয় / সহকারী প্রকৌশলী	
৬. উপ-সহকারী প্রকৌশলী	
৭. উচ্চমান সহকারী / ডিইও / উৎ হিস সহকারী	
	তারিখ স্বাক্ষর প্রকৌশলী

CLIENT : EXECUTIVE ENGINEER
SUB-PROJECT MANAGEMENT OFFICE SPECIALIZED DIVISION,
GOPALGONJ DISTRICT, BWDB, GOPALGONJ.

SOIL BORING FOR THE CONSTRUCTION OF BOAT PASS (1 VENT-4.00 M WIDE)
OVER KUCHIMARA KHAL IN C/W TARAIL-PACHURIA SUB-PROJECT UNDER
IDWRM-KT DURING THE YEAR 2024-25.

LOCATION : KUCHIMARA KHAL, UPAZILA: TUNGIPARA,
DISTRICT - GOPALGONJ.

SITE : BOAT PASS (1 VENT-4.00M WIDE)
P.S. : TUNGIPARA,
Dist. : GOPALGONJ.

NOVEMBER-2024

Prepared by :



BTESC Consultant

Safety First ♦ Quality ♦ Commitment ♦ Confidence

Office :

Razzak Plaza(3rd floor west side), Katpotty, Thana more, Faridpur.
Mobile : 01767-411 363, 01725-695 520,
E-mail : btes.cc18@gmail.com



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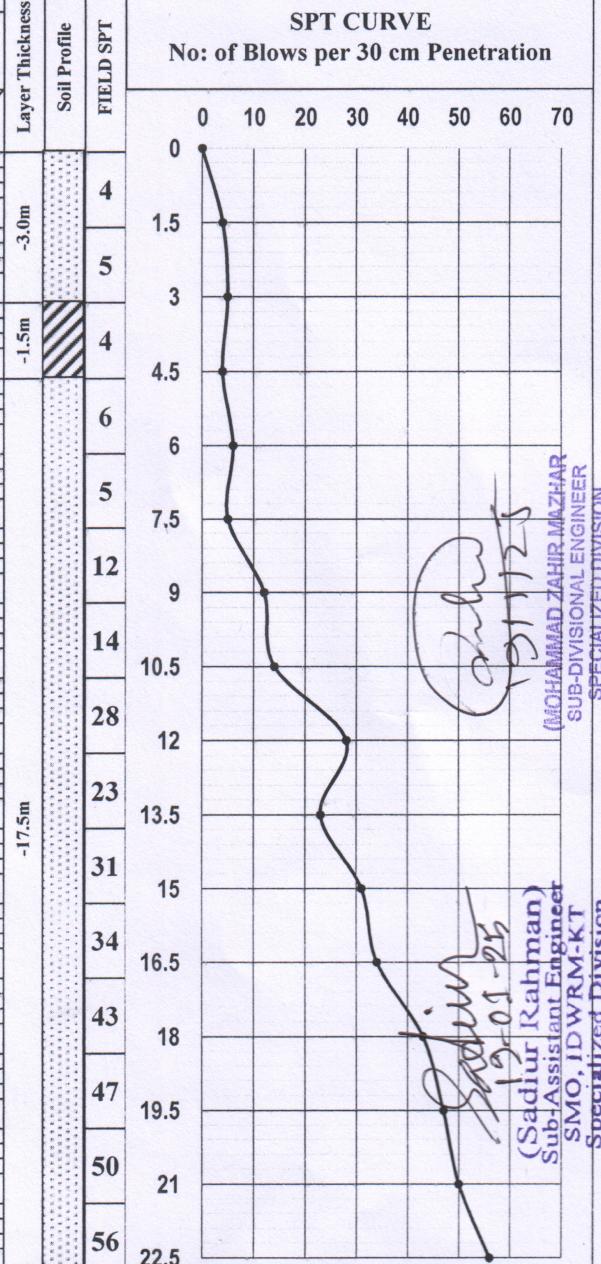
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FIELD BORE LOG

PROJECT: SOIL BORING FOR THE CONSTRUCTION OF BOAT PASS (1 VENT-4.00 M WIDE) OVER KUCHIMARA KHAL IN C/W TARAIL-PACHURIA SUB-PROJECT UNDER IDWRM-KT DURING THE YEAR 2024-25.							SITE: BOAT PASS (1 VENT-4.00 M WIDE)					
LOCATION: Kuciamora Khal, Upazila:Tungipara, District -Gopalgonj.							P.S:Tungipara	Dist:Gopalgonj				
CLIENT: XEN, Sub-Project Management Office Specialize Division,Gopalgonj district , BWDB, Gopalgonj.							HOLE NO: 01	GROUND LEVEL:(-)0.29 m,PWD				
DATE STARTED: 19-11-2024							WATER LEVEL: (+) 1.234 m,PWD	AT : 09.00 AM				
DATE COMPLETED: 19-11-2024					OF DATE:19-11-2024		LATITUDE: 22.907472°					
					TOTAL DEPTH = 22.50m		LONGITUDE: 89.939107°					
No of Sample	Depth of Meter	Scale	LITHOLOGICAL DESCRIPTION	PHYSICAL	DISTURBED SAMPLES			SPT CURVE				
V. Dense				DENSITY	BLOWS ON SPOON		SPT(N)	BLOWS ON CASING				
				MOISTURE	0"	6"	12"	18"	24"	0	12	24
D1	1.5		F. Sand	N.Plastic	1	2	2	4				
D2	3.0			Plastic	2	2	3	5				
D3	4.5			N.Plastic	1	2	2	4				
D4	6.0			Plastic	2	3	3	6				
D5	7.5			N.Plastic	1	2	3	5				
D6	9.0			Plastic	3	5	7	12				
D7	10.5			N.Plastic	4	6	8	14				
D8	12			Plastic	5	8	10	18				
D9	13.5			N.Plastic	5	10	13	23				
D10	15			Plastic	8	14	17	31				
D11	16.5			N.Plastic	8	15	19	34				
D12	18			Plastic	10	19	24	43				
D13	19.5			N.Plastic	12	21	26	47				
D14	21			Plastic	14	22	28	50				
D15	22.5			N.Plastic	15	25	31	56				

Note: >50% = dominant size; 50%-50% = and; 20%-40% = some; 10%-20% = Little; <10% = Trace, LDM = Light and Dark colored Minerals



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Civil Engr.(MIDEB-38424)
BTES Consultant & Construction
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(Mohammad Zahiruzzaman)
Sub-Divisional Engineer
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(Md. Sadiur Rahman)
Sub-Assistant Engineer
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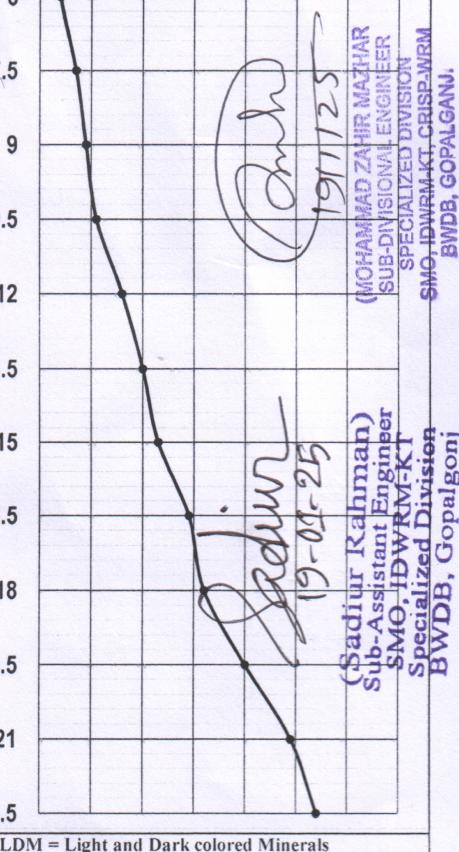
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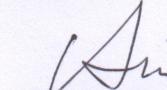
FIELD BORE LOG

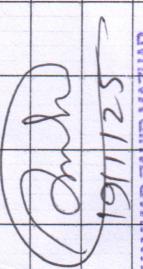
PROJECT: SOIL BORING FOR THE CONSTRUCTION OF BOAT PASS (1 VENT-4.00 M WIDE) OVER KUCHIMARA KHAL IN C/W TARAIL-PACHURIA SUB-PROJECT UNDER IDWRM-KT DURING THE YEAR 2024-25.							SITE: BOAT PASS (1 VENT-4.00 M WIDE)											
LOCATION: Kucimora Khal, Upazila: Tungipara, District - Gopalgonj.							P.S: Tungipara	Dist: Gopalgonj										
CLIENT: XEN, Sub-Project Management Office Specialize Division, Gopalgonj district, BWDB, Gopalgonj.							HOLE NO: 02	GROUND LEVEL: (+) 0.97 m, PWD										
DATE STARTED: 19-11-2024							WATER LEVEL: (+) 1.387 m, PWD	AT : 11.30 AM										
DATE COMPLETED: 19-11-2024				OF DATE: 19-11-2024			LATITUDE: 22.907768°											
				TOTAL DEPTH = 22.50m			LONGITUDE: 89.939084°											
No of Sample	Depth of Meter	Scale	LITHOLOGICAL DESCRIPTION	PHYSICAL		DISTURBED SAMPLES			Layer Thickness	Soil Profile	FIELD SPT	SPT CURVE						
				DENSITY	MOISTURE	BLOWS ON SPOON	SPT(N)	BLOWS ON CASING				No: of Blows per 30 cm Penetration						
												0"	6"	12"	18"	24"	0	12
D1	1.5		Clayey	V. Soft	Loose	Soft	Medium	Grey	Moisture	Plastic	0	10	20	30	40	50	60	70
D2	3.0			1	1	1	2				1.5							
D3	4.5			1	1	2	3				3							
D4	6.0			1	1	2	3				4.5							
D5	7.5			1	2	2	4				6							
D6	9.0			2	3	4	7				7							
D7	10.5			3	4	5	9				9							
D8	12			3	5	6	11				11							
D9	13.5			4	7	9	16				16							
D10	15			5	9	11	20				20							
D11	16.5			6	10	13	23				23							
D12	18			6	13	16	29				29							
D13	19.5			9	14	18	32				32							
D14	21			10	18	22	40				40							
D15	22.5			13	21	28	49				49							
				15	24	30	54				54							

Note: >50% = dominant size; 50%-50% = and; 20%-40% = some; 10%-20% = Little; <10% = Trace, LDM = Light and Dark colored Minerals


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Mohammad Zahir Muzhar
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FIELD BORE LOG

PROJECT: SOIL BORING FOR THE CONSTRUCTION OF BOAT PASS (1 VENT-4.00 M WIDE) OVER KUCHIMARA KHAL IN C/W TARAIL-PACHURIA SUB-PROJECT UNDER IDWRM-KT DURING THE YEAR 2024-25.						SITE: BOAT PASS (1 VENT-4.00 M WIDE)					
LOCATION: Kucimora Khal, Upazila: Tungipara, District -Gopalgonj.						P.S:Tungipara	Dist:Gopalgonj				
CLIENT: XEN, Sub-Project Management Office Specialize Division, Gopalgonj district, BWDB, Gopalgonj.						HOLE NO: 03	GROUND LEVEL:(-)0.30 m,PWD				
DATE STARTED: 19-11-2024						WATER LEVEL: (+) 1.224 m,PWD	AT : 2.30 PM				
DATE COMPLETED: 19-11-2024				OF DATE: 19-11-2024		LATITUDE: 22.907765°					
				TOTAL DEPTH = 22.50m		LONGITUDE: 89.939086°					
No of Sample	Depth of Meter	Scale	LITHOLOGICAL DESCRIPTION	PHYSICAL	DISTURBED SAMPLES	SPT CURVE No: of Blows per 30 cm Penetration					
V. Dense	Medium	Loose	M. Stiff	Very Loose	DENSITY COLOR MOISTURE DILATANCY	BLOWS ON SPOON 0" 6" 12" 18" 24" 6" 12" 18" 24"	SPT(N) 0 12 24 12 24	BLOWS ON CASING 0" 6" 12" 18" 24" 6" 12" 18" 24"	Layer Thickness	Soil Profile	FIELD SPT
D1	1.5				F. Sand	1 1 2 3			3		
D2	3.0				Clayey	1 2 2 4			4		
D3	4.5					2 2 3 5			5		
D4	6.0					2 3 3 6			6		
D5	7.5					3 5 6 11			11		
D6	9.0					3 5 7 12			12		
D7	10.5					4 6 9 15			15		
D8	12					4 8 12 20			20		
D9	13.5					5 9 13 22			22		
D10	15					6 11 20 31			31		
D11	16.5					8 14 17 31			31		
D12	18					8 16 20 36			36		
D13	19.5					11 20 25 45			45		
D14	21					13 23 27 50			50		
D15	22.5					14 25 31 56			56		
Note: >50% = dominant size; 50%-50% = and; 20%-40% = some; 10%-20% = Little; <10% = Trace, LDM = Light and Dark colored Minerals											

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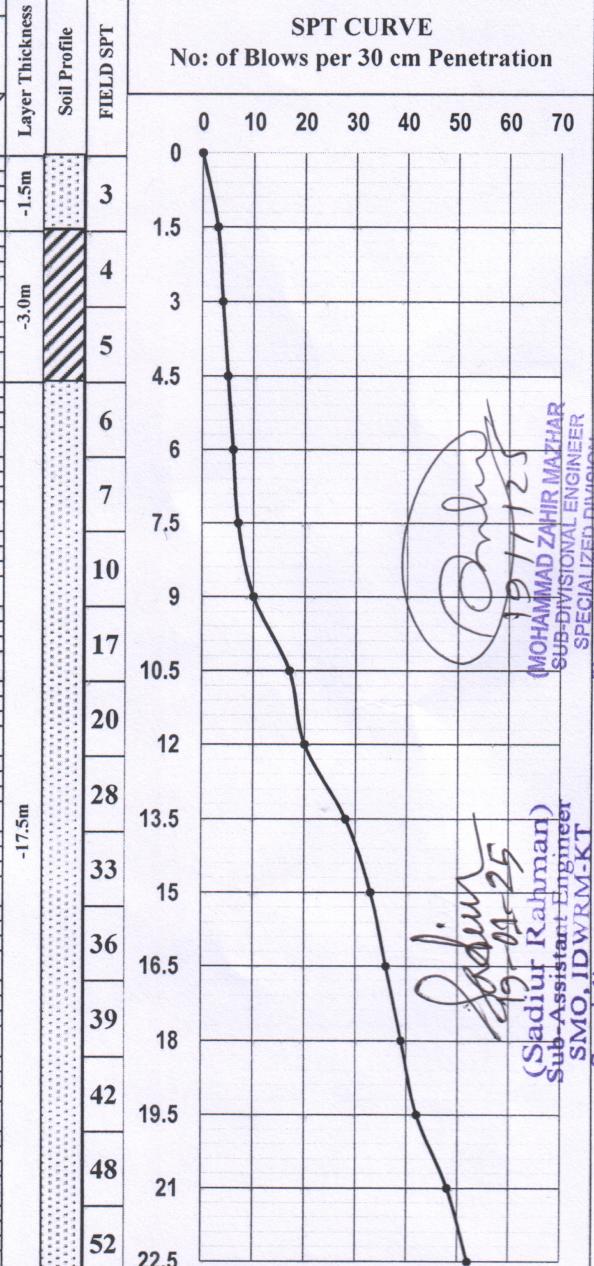
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FIELD BORE LOG

PROJECT: SOIL BORING FOR THE CONSTRUCTION OF BOAT PASS (1 VENT-4.00 M WIDE) OVER KUCHIMARA KHAL IN C/W TARAIL-PACHURIA SUB-PROJECT UNDER IDWRM-KT DURING THE YEAR 2024-25.							SITE: BOAT PASS (1 VENT-4.00 M WIDE)						
LOCATION: Kuciamora Khal, Upazila: Tungipara, District -Gopalgonj.							P.S:Tungipara	Dist:Gopalgonj					
CLIENT: XEN, Sub-Project Management Office Specialize Division, Gopalgonj district , BWDB, Gopalgonj.							HOLE NO: 04	GROUND LEVEL:(+)0.32 m,PWD					
DATE STARTED: 20-11-2024							WATER LEVEL: (+) 1.387 m,PWD	AT : 09.00 AM					
DATE COMPLETED: 20-11-2024							OF DATE: 20-11-2024	LATITUDE: 22.907614°					
							TOTAL DEPTH = 22.50m	LONGITUDE: 89.939057°					
No of Sample	Depth of Meter	Scale	LITHOLOGICAL DESCRIPTION	PHYSICAL		DISTURBED SAMPLES				SPT CURVE No: of Blows per 30 cm Penetration			
				V. Dense	Dense	Loose	M. Stiff	Soft	V. Loose		DENSITY	MOISTURE	DILATANCY
D1	1.5		Clayey	F. Sand	Grey	N. Plastic	Plastic	Moisture					
D2	3.0			F. Sand	N. Plastic	1	1	2	3				
D3	4.5			F. Sand	N. Plastic	1	2	2	4				
D4	6.0			F. Sand	N. Plastic	1	2	3	5				
D5	7.5			F. Sand	N. Plastic	2	3	3	6				
D6	9.0			F. Sand	N. Plastic	2	3	4	7				
D7	10.5			F. Sand	N. Plastic	3	4	6	10				
D8	12		F. Sand	F. Sand	N. Plastic	4	7	10	17				
D9	13.5			F. Sand	N. Plastic	6	8	12	20				
D10	15			F. Sand	N. Plastic	7	12	16	28				
D11	16.5			F. Sand	N. Plastic	9	14	19	33				
D12	18			F. Sand	N. Plastic	12	16	20	36				
D13	19.5			F. Sand	N. Plastic	12	17	22	39				
D14	21			F. Sand	N. Plastic	13	19	23	42				
D15	22.5			F. Sand	N. Plastic	15	22	26	48				
						17	23	29	52				
Note: >50% = dominant size; 50%-50% = and; 20%-40% = some; 10%-20% = Little; <10% = Trace, LDM = Light and Dark colored Minerals													



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MOHAMMAD ZAHR MATZAR
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SPECIALIZED DIVISION
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(Sadiur Rahman)
Sub-Assistant Engineer
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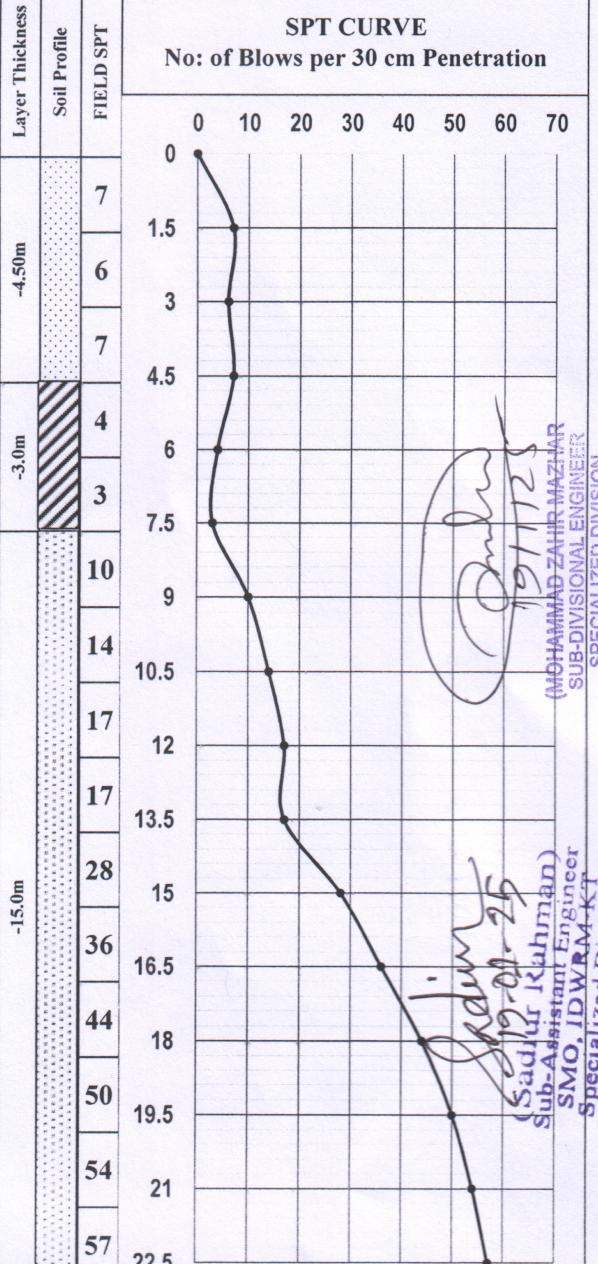
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FIELD BORE LOG

PROJECT: SOIL BORING FOR THE CONSTRUCTION OF BOAT PASS (1 VENT-4.00 M WIDE) OVER KUCHIMARA KHAL IN C/W TARAIL-PACHURIA SUB-PROJECT UNDER IDWRM-KT DURING THE YEAR 2024-25.							SITE: BOAT PASS (1 VENT-4.00 M WIDE)	
LOCATION: Kucimora Khal, Upazila: Tungipara, District -Gopalgonj.							P.S:Tungipara	Dist:Gopalgonj
CLIENT: XEN, Sub-Project Management Office Specialize Division, Gopalgonj district, BWDB, Gopalgonj.							HOLE NO: 05	GROUND LEVEL:(+)4.38 m, PWD
DATE STARTED: 20-11-2024							WATER LEVEL: (+) 1.636 m, PWD	AT : 12.30 PM
DATE COMPLETED: 20-11-2024				OF DATE: 20-11-2024			LATITUDE: 22.907492°	
				TOTAL DEPTH = 22.50m			LONGITUDE: 89.939150°	
No of Sample	Depth of Meter	Scale	LITHOLOGICAL DESCRIPTION	PHYSICAL	DISTURBED SAMPLES			SPT CURVE
V.	Dense	Medium	Fine sand	Loose	Loose	Soft	Medium	No: of Blows per 30 cm Penetration
1.5					DENSITY	COLOR	MOISTURE	
D1					DILATANCY	BLOWS ON SPOON	SPT(N)	BLOWS ON CASING
3.0					0''/6''	6''/12''	12''/18''	18''/24''
D2			Medium Sand		2	3	4	7
4.5					2	3	3	6
D3					2	3	4	7
6.0					1	2	2	4
D4			Clayey		1	1	2	3
7.5					2	4	6	10
D5					3	6	8	14
9.0					4	7	10	17
D6					5	7	10	17
10.5					6	12	16	28
D7					7	14	22	36
12					12	18	26	44
D8					14	23	27	50
13.5					14	24	30	54
D9					15	25	32	57
15								
D10								
16.5								
D11								
18								
D12								
19.5								
D13								
21								
D14								
22.5								
D15								

Note: >50% = dominant size; 50%-50% = and; 20%-40% = some; 10%-20% = Little; <10% = Trace, LDM = Light and Dark colored Minerals



(MOHAMMAD ZAHR MAZHAR
SUB-DIVISIONAL ENGINEER
SPECIALIZED DIVISION
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BWDB, GOPALGANJ,

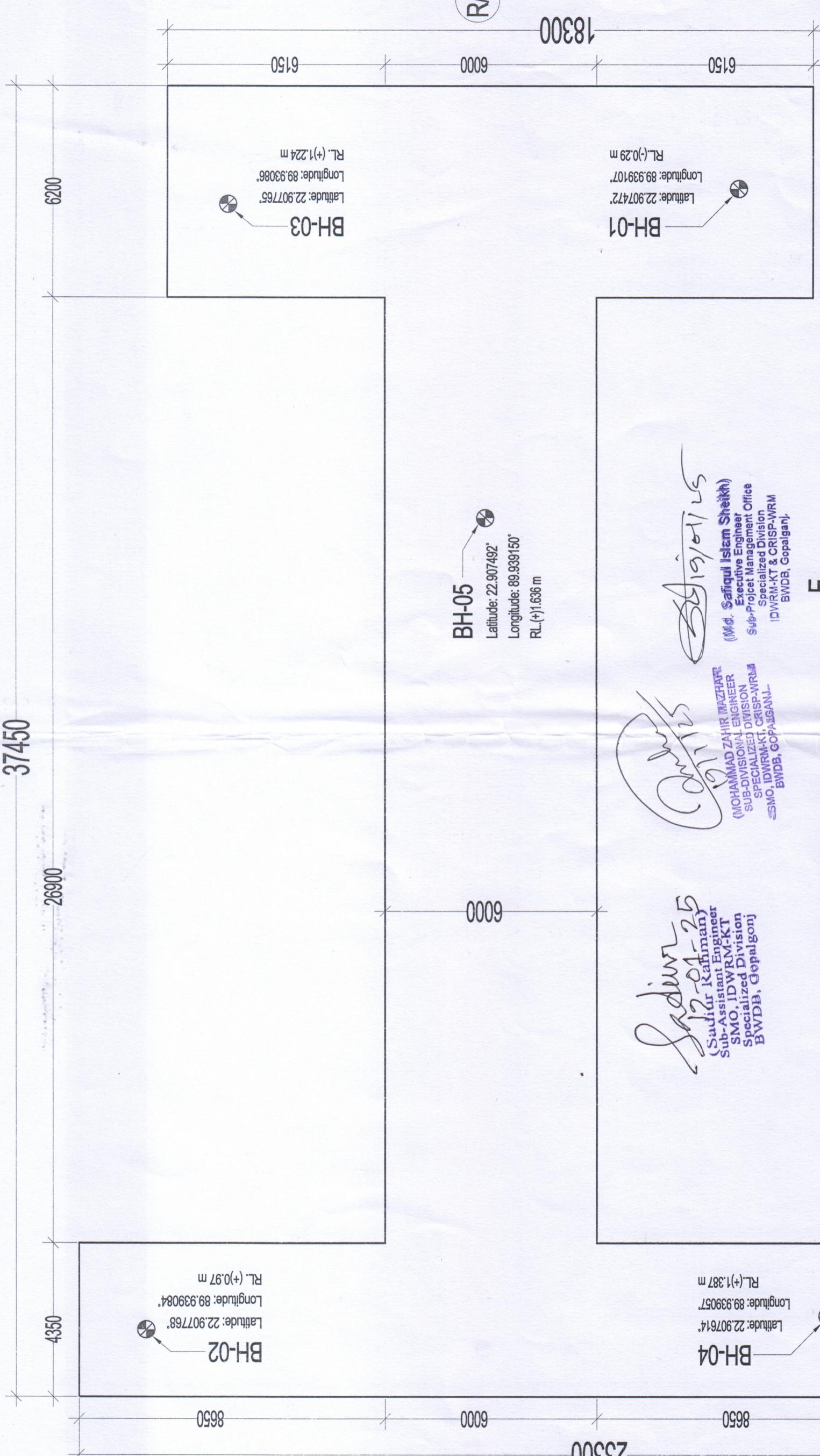
Sadiqur Rahman
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Md. Safiqul Islam Sheikh
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M.S. FAYSal
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KUCHIMARA KHAL BORE HOLE LOCATION MAP

A compass rose with four arrows pointing North, South, East, and West.

Md. Safiqul Islam Sheikh)
Executive Engineer
Sug-Project Management Office
Specialized Division
IDWRM-KT & CRISP-WRM
BWDB, Gopalganj.


M.S. FAYS
Geologist
Civil Engg (MDEE-3)
BTTES Consultant & Con-
Fardipur Sadar, Far-

Latitude: 22.907614°
Longitude: 89.939057°
RL(+): 1.387 m
BH-04



Project:	Geologist & Geotechnical Engineer by:		
Client:			
XEN, Sub-Project Management Office Specialized Division, Gopalganj District , BMDB, Gopalganj.			
SUB BORING FOR THE CONSTRUCTION OF BOAT PASS (1 YARD-4.0 M WIDE) OVER KUCHIMARA KHAI IN CHTARAL-PACHURA SUB-PROJECT UNDER IDNBR-II DURING THE YEAR 2024-25.			
Project:	Geologist & Geotechnical Engineer by:	Consultant by:	Drawn by:
	M.S. FAYSal Civil Engr.(MIDEB-36424) BTES Consultant & Construction	 BTES Consultant Razia Plaza 3rd floor west side,Dhaka-1205, Mobile no: 01725 652 520, 01717 411 363 Email: acf@btel.com Dhaka zone of B&H...	Drawing title: MAHMUDUR RAHMAN ARCHITECT MOHIUDIN AHMED Civil Engineer
Project:	Geologist & Geotechnical Engineer by:	Consultant by:	Drawn by:
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Project:	Geologist & Geotechnical Engineer by:	Consultant by:	Drawn by:
	M.S. FAYSal Civil Engr.(MIDEB-36424) BTES Consultant & Construction	 BTES Consultant Razia Plaza 3rd floor west side,Dhaka-1205, Mobile no: 01725 652 520, 01717 411 363 Email: acf@btel.com Dhaka zone of B&H...	Drawing title: MAHMUDUR RAHMAN ARCHITECT MOHIUDIN AHMED Civil Engineer