

# BANGLADESH WATER DEVELOPMENT BOARD

## GROUNDWATER HYDROLOGY DIVISION-2

72 GREEN ROAD, DHAKA-1205.

### FIELD BORE LOG

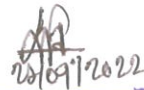
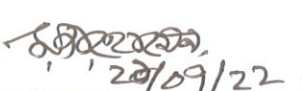
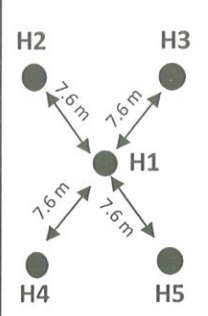
Project: Rehabilitation of polder no 15 at satkhira district under satkhira O&M division.		SITE: Gabura khal	
		P.S: Shyamnagar	DIST: Satkhira
LOCATION: Gabura khal		HOLE NO: H1-H5	GROUND LEVEL:
CLIENT: XEN,O&M DIVISION, Satkhira		WATER LEVEL:	AT 7:00 HRS
DATE STARTED: 17-06-2022	DATE COMPLETED: 21-06-22	OF DATE-	
DRILLED BY: GWHD-2	UNIT: Rig-21	TOTAL DEPTH: 72 ft	

### SOIL SAMPLING

<b>A) UNDISTURB</b>		
SAMPLE NOS:	DIMENSIONS:	NO TAKEN:
TYPE:	DRILLER: Md. Abu Jaher	GEOLOGIST: Md.Maniruzzaman Bhuiyan
<b>B) DISTURB</b>		
SAMPLE NOS: D1-D14	DIMENSIONS: 1 3/4 ID X 24 Inch	NO TAKEN: 14 Nos
TYPE: Split Spoon	WEIGHT OF HAMMER: 140 lb	AVG. DROP: 30 Inces
HOW SAMPLED: WOODEN/BOX/JARS/CANS/BAGS		DESPATCHED ON:

### CASING

SIZE:	LENGTH USED:	WT OF HAMMER:	AVG. DROP:
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REMARKS	LOCATION SKETCH
<p>Drilling was advanced by Chopping method.</p> <p style="text-align: center;">   <b>মোঃ মনিরুজ্জামান ভূইয়া</b>              ভূতত্ত্ববিদ              ভূগর্ভস্থ পানি বিজ্ঞান উপ-বিভাগ              বাপাউবো, যশোর।           </p> <p style="text-align: center;">   <b>(মোঃ জাকির হোসেন)</b>              উপ-বিভাগীয় প্রকৌশলী (সহকারী)              শ্যামনগর পল্লী উন্নয়ন-বিভাগ              বাপাউবো, শ্যামনগর, সাতক্ষীরা।           </p>	<p style="text-align: right;">↑ N</p> <p style="text-align: center;">R/S</p> <hr/> <p style="text-align: center;">Road</p> <hr/> <div style="display: flex; align-items: center;"> <div style="flex: 1;">  </div> <div style="flex: 1; border-left: 1px solid black; padding-left: 10px;"> <p style="text-align: center;">existing sluice</p> <p style="text-align: center;">Khal</p> </div> </div> <p style="text-align: center;">Not drawn to scale</p>

  
**(Masud Rana)**  
 Sub-Assistant Engineer  
 Vetkhali O&M Section  
 BWDB, Shyamnagar

**BANGLADESH WATER DEVELOPMENT BOARD**  
**GROUNDWATER HYDROLOGY**  
GROUNDWATER HYDROLOGY DIVISION-2  
**FIELD BORE LOG**

Project: Rehabilitation of polder no 15 at satkhira district under satkhira O&M division.		SITE: Gabura khal	
		P.S: Shyamnagar	DIST: Satkhira
LOCATION: Gabura khal		HOLE NO: H1	GROUND LEVEL: 2.75 m
CLIENT: XEN,O&M DIVISION, Satkhira		WATER LEVEL: .30 m	AT 7:00 HRS
DATE STARTED: 17-06-2022	DATE COMPLETED: 17-06-22	OF DATE-	
DRILLED BY: GWHD-2	UNIT: Rig-21	TOTAL DEPTH: 72 ft	

No of Sample			Type of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	PHYSICAL				DISTURBED SAMPLES				PENETRATION TEST												INDEX		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
DENSITY	COLOR	MOISTURE	DILATANCY	BLOWS ON SPOON				BLOWS ON CASING		NO OF BLOWS PER 1 FT PENETRATION												<div><div></div>Disturb</div> <div><div></div>Undisturb</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

  
17-06-22  
(Masud Rana)  
Sub-Assistant Engineer  
Vetkhali O&M Section  
BWDB, Shyamnagar



**BANGLADESH WATER DEVELOPMENT BOARD**  
**GROUNDWATER HYDROLOGY**  
GROUNDWATER HYDROLOGY DIVISION-2  
**FIELD BORE LOG**

Project: Rehabilitation of polder no 15 at satkhira district under  
satkhira O&M division.

SITE: Gabura khal

P.S: Shyamnagar

DIST: Satkhira

LOCATION: Gabura khal

HOLE NO: H2

GROUND LEVEL: 2.20 m

CLIENT: XEN,O&M DIVISION, Satkhira

WATER LEVEL: .45 m

AT 7:00 HRS

DATE STARTED: 18-06-2022

DATE COMPLETED:18-06-22

OF DATE-

DRILLED BY: GWHD-2

UNIT: Rig-21

TOTAL DEPTH: 72 ft




No of Sample	Type of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	PHYSICAL				DISTURBED SAMPLES				PENETRATION TEST											INDEX											
				DENSITY	COLOR	MOISTURE	DILATANCY	BLOWS ON SPOON				BLOWS ON CASING		NO OF BLOWS PER 1 FT PENETRATION											<div><div></div>Disturb</div>	<div><div></div>Undisturb</div>								
								0 6	6 12	12 18	18 24	0 12	12 24	10	20	30	40	50	60	70	80	90	100	REMARKS										
			Clay with trace silt	Very soft	Gray	Moist	Plastic																	V. Soft.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic										
D1	5							1	1	1	1																							
D2	10							1	1	1	1																							
D3	15							1	1	1	1																							
D4	20							1	1	1	1																							
D5	25		1	1				1	1																									
D6	30		Clay with some silt	Stiff				Gray	Moist	Plastic																		মোঃ মনিরুজ্জামান ভূঁইয়া 21/09/2022 ভূতত্ত্ববিদ স্বপ্নের পানি বিজ্ঞান উপ-বিভাগ বাগাউবো, যশোর।						
D7	35										1	4	6	8																				
D8	40										2	4	6	7																				
D9	45										1	6	8	9																				
D10	50						3				5	9	10																					
D11	55		Very fine sand with trace silt	Medium Dense			Gray				Moist	Non-plastic																						
D12	60												4	6	10	12																		
D13	65												5	6	10	13																		
D14	70												7	9	11	13																		
													8	10	13	15																		
			8	12				14	16																									

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

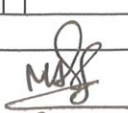
  
18-06-22  
(Masud Rana)  
Sub-Assistant Engineer  
Vetkhali O&M Section  
BWDB, Shyamnagar

**BANGLADESH WATER DEVELOPMENT BOARD**  
**GROUNDWATER HYDROLOGY**  
GROUNDWATER HYDROLOGY DIVISION-2  
**FIELD BORE LOG**

Project: Rehabilitation of polder no 15 at satkhira district under satkhira O&M division.		SITE: Gabura khal	
LOCATION: Gabura khal		P.S: Shyamnagar	DIST: Satkhira
CLIENT: XEN,O&M DIVISION, Satkhira		HOLE NO: H3	GROUND LEVEL: 2.78 m
DATE STARTED: 19-06-2022		WATER LEVEL: 1.25 m	AT 7:00 HRS
DATE COMPLETED: 19-06-22		OF DATE-	
DRILLED BY: GWHD-2		UNIT: Rig-21	
		TOTAL DEPTH: 72 ft	

No of Sample	Type of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	PHYSICAL				DISTURBED SAMPLES				PENETRATION TEST												INDEX				
				DENSITY	COLOR	MOISTURE	DILATANCY	BLOWS ON SPOON				BLOWS ON CASING		NO OF BLOWS PER 1 FT PENETRATION												 Disturb	 Undisturb	
								0 6	6 12	12 18	18 24	0 12	12 24	10	20	30	40	50	60	70	80	90	100	REMARKS				
			Clay with trace silt	Very soft	Gray	MOIST	Plastic																		V. S.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic   ১১/০৭/২০২২ বোঃ মনিরুজ্জামান ভূতত্ত্ববিদ: কুমার পানি বিজ্ঞান ও প-বি বাগাউবো, যশোর।			
D1	5							1	1	1	1																	
D2	10							1	1	1	1																	
D3	15							1	1	1	2																	
D4	20		Soft	dark gray	Plastic																							
D5	25							1	1	2	3																	
D6	30	Medium stiff																										
D7	35							1	2	4	6																	
D8	40			1			2	3	3																			
D9	45			1			2	6	7																			
D10	50	Stiff																										
D11	55		3	5			9	9																				
D12	60																											
D13	65			5	7		9	11																				
D14	70	Medium Dense	Gray	Non-plastic																								

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

  
19-06-22  
(Masud Rana)  
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BWDB, Shyamnagar



**BANGLADESH WATER DEVELOPMENT BOARD**  
**GROUNDWATER HYDROLOGY**  
GROUNDWATER HYDROLOGY DIVISION-2  
**FIELD BORE LOG**

Project: Rehabilitation of polder no 15 at satkhira district under satkhira O&M division.				SITE: Gabura khal			
				P.S: Shyamnagar		DIST: Satkhira	
LOCATION: Gabura khal				HOLE NO: H4		GROUND LEVEL: 2.86 m	
CLIENT: XEN,O&M DIVISION, Satkhira				WATER LEVEL: .42 m		AT	HRS
DATE STARTED: 20-06-2022		DATE COMPLETED:20-06-22		OF DATE-			
DRILLED BY: GWHD-2		UNIT: Rig-21		TOTAL DEPTH: 72 ft			

No of Sample	Type of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	PHYSICAL				DISTURBED SAMPLES				PENETRATION TEST										INDEX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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M.D=Medium dense

১৯/৬/২০২২  
মোঃ মনিরুজ্জামান ভূঞা  
ভূতত্ত্ববিদ  
স্বাক্ষর পানি বিভাগ ওপ-বিভাগ  
বাণাডবো, যশোর।

MAR  
20-06-22  
(Masud Rana)  
Sub-Assistant Engineer  
Vetkhal O&M Section  
BWDB, Shyamnagar

# BANGLADESH WATER DEVELOPMENT BOARD

## GROUNDWATER HYDROLOGY GROUNDWATER HYDROLOGY DIVISION-2

### FIELD BORE LOG

Project: Rehabilitation of polder no 15 at satkhira district under satkhira O&M division.		SITE: Gabura khal	
		P.S: Shyamnagar	DIST: Satkhira
LOCATION: Gabura khal		HOLE NO: H5	GROUND LEVEL: 2.86 m
CLIENT: XEN,O&M DIVISION, Satkhira		WATER LEVEL: submerged	AT 7:00 HRS
DATE STARTED: 21-06-2022	DATE COMPLETED: 21-06-22	OF DATE-	
DRILLED BY: GWHD-2	UNIT: Rig-21	TOTAL DEPTH: 72 ft	

No of Sample	Type of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	PHYSICAL				DISTURBED SAMPLES				PENETRATION TEST												INDEX		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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