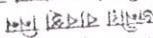


 مولانا سید احمد علی خاں نواب احمد علی خاں	<p>ب۔ ۱۰۔ میرزا جعفر</p> <p>ج۔ ۹۔ میرزا جعفر</p> <p>د۔ ۸۔ میرزا جعفر</p> <p>ه۔ ۷۔ میرزا جعفر</p> <p>ج۔ ۶۔ میرزا جعفر</p> <p>د۔ ۵۔ میرزا جعفر</p> <p>ب۔ ۴۔ میرزا جعفر</p> <p>ج۔ ۳۔ میرزا جعفر</p> <p>د۔ ۲۔ میرزا جعفر</p> <p>ب۔ ۱۔ میرزا جعفر</p>
 مولانا سید احمد علی خاں نواب احمد علی خاں	<p>۱۷۹۶</p>

। ମହାନ୍ତିମା ‘ଲାଲାଦୁଆ’ ଏଥିରେ ମହାନ୍ତିମା ପ୍ରକାଶିତ ହୁଏ । (୯)

୧୦୦୭୯୮୦୬୬-୧୯ ବୁଲ୍ଡାଇ

፳፻፲፭

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِيْمِ

ପ୍ରାଚୀନ କାଣ୍ଡାତାତ୍ତ୍ଵ

(ଶ୍ରୀ କୃତ୍ତବ୍ୟାମିତିରୁ)

٢٠٢٢ (جامعة الملك عبد الله)

। ବେଳାମ୍ବାଲ ପଣ୍ଡିତ

ବ୍ୟାକୋର ପାଇଁ ଏହାର ମଧ୍ୟ ଦେଖିଲୁଛନ୍ତି ଯାହାର ଅନ୍ତରେ କିମ୍ବା କିମ୍ବା ଏହାର ମଧ୍ୟ ଦେଖିଲୁଛନ୍ତି ଯାହାର ଅନ୍ତରେ

। ପ୍ରକାଶିତ ଦିନ ୧୯୮୫ ଅକ୍ଟୋବର ୩୦ ମୁହଁରାରେ ଏହା ପରିଚୟ କରାଯାଇଛି ।

جدا زیاد است. این مقاله در اینجا برای اولین بار در ایران منتشر شده است.

। ୨୦୧୯-୨୦୨୦ ‘ନାଟ୍ୟମତ୍ର’ ୧୮

ଲେଖକ ପରିଚୟ

۹-۱۹۷۲ جلد هشتم

ପ୍ରାଚୀନ କବିତା

三

। ፲፻፲፭/፳፱/፭፯ የፌዴራል

၁၆၈။/၀၂၁၄/၁၇၁၆-၁၉ ကုန်မြို့



Office of the Superintendent of Schools, Khulna.

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

Project: Rehabilitation of sub-project Madhumati-Naboganga & SITI; Kalishankarpur Nai
Revival of Naboganga by re-excavation and dredging & to P.S: Lahuria DIST: Narail

LOCATION: Kalsihankarapur (5.750 km)	HOLE NO: H1	GROUND LEVEL: 5.5 m
CIBNET: XEN.QGM DIVISION, Narai	WATER LEVEL: 1.70 m	AT 7:00 HRS

DATE STARTED: 15-01-2022 DATE COMPLETED: 15-01-22 QF DATE: 15-01-22 DRILLED BY: GWHD-2 UNIT: RIG-21 TOTAL DEPTH: 72 ft DISTILLED SAMPLES: INDEX

LITHOLOGICAL DESCRIPTION										Type of Sample	Scale (ft)	No. of Sample
BLOWS ON SPOON	ON CASING	PENETRATION	NO OF BLOWS PER FT	0	6	12	18	24	12	24	0	D1
60	50	40	30	20	10	0	12	18	24	12	24	D2
96	88	80	70	60	50	40	30	20	10	0	12	D3
100												D4
DILATANCY										MOISTURE		
1	1	1	2	1	1	1	2	1	1	2	0	D5
1	1	1	2	1	1	1	2	1	1	2	1	D6
1	1	1	2	1	1	1	2	1	1	2	1	D7
1	1	1	2	1	1	1	2	1	1	2	1	D8
1	1	1	2	1	1	1	2	1	1	2	1	D9
1	1	1	2	1	1	1	2	1	1	2	1	D10
1	1	1	2	1	1	1	2	1	1	2	1	D11
1	1	1	2	1	1	1	2	1	1	2	1	D12
1	1	1	2	1	1	1	2	1	1	2	1	D13
1	1	1	2	1	1	1	2	1	1	2	1	D14
COLOR										CLAY WITH TRACE SILT		
1	1	1	2	1	1	1	2	1	1	2	1	D15
1	1	1	2	1	1	1	2	1	1	2	1	D16
1	1	1	2	1	1	1	2	1	1	2	1	D17
1	1	1	2	1	1	1	2	1	1	2	1	D18
1	1	1	2	1	1	1	2	1	1	2	1	D19
1	1	1	2	1	1	1	2	1	1	2	1	D20
1	1	1	2	1	1	1	2	1	1	2	1	D21
1	1	1	2	1	1	1	2	1	1	2	1	D22
1	1	1	2	1	1	1	2	1	1	2	1	D23
1	1	1	2	1	1	1	2	1	1	2	1	D24
1	1	1	2	1	1	1	2	1	1	2	1	D25
1	1	1	2	1	1	1	2	1	1	2	1	D26
1	1	1	2	1	1	1	2	1	1	2	1	D27
1	1	1	2	1	1	1	2	1	1	2	1	D28
1	1	1	2	1	1	1	2	1	1	2	1	D29
1	1	1	2	1	1	1	2	1	1	2	1	D30
1	1	1	2	1	1	1	2	1	1	2	1	D35
1	1	1	2	1	1	1	2	1	1	2	1	D40
1	1	1	2	1	1	1	2	1	1	2	1	D45
1	1	1	2	1	1	1	2	1	1	2	1	D50
1	1	1	2	1	1	1	2	1	1	2	1	D55
1	1	1	2	1	1	1	2	1	1	2	1	D60
1	1	1	2	1	1	1	2	1	1	2	1	D65
1	1	1	2	1	1	1	2	1	1	2	1	D70
CLAY WITH LITTLE SILT												
1	1	1	2	1	1	1	2	1	1	2	1	D114

FIELD BORE LOG									
GROUNDWATER HYDROLOGY									
BANGLADESH WATER DEVELOPMENT BOARD									
PROJECT: Rehabilitation of sub project Madhumati-Naboganga & SITE: Kalishankarpur khal									
Revival of Naboganga by re-excavation and dredging & to protect ecological balance.									
LOCATION: Kalishankarpur (5.750 km) HOLE NO: H3 GROUND LEVEL: 5.5 m									
CLIENT: XEN, O&M DIVISION, Narail DATE COMPLETED: 17-01-22 OF DATE -									
DRILLED BY: GWHD-2 UNIT: Rig-21 TOTAL DEPTH: 72 ft									
DESCRIPTION									
No of Sample	Type of Sample	Scale (ft)	TESTS						
			DENSITY	PENETRATION TEST	PHYSICAL	DISTURBED SAMPLES	NO OF BLOWS ON SPOON	CASING	BLOWS ON SPOON
5	5	10							
10	10	15							
15	15	20							
20	20	25							
25	25	30							
30	30	35							
35	35	40							
40	40	45							
45	45	50							
50	50	55							
55	55	60							
60	60	65							
65	65	70							
70	70	75							
75	75	80							
80	80	85							
85	85	90							
90	90	95							
95	95	100							
Note: >50% =Dominant size, 50%-50% =and, 20%-40% =some, 10%-20% =little, <10% =trace.									

M.S.=Very soft
W.G.=Whitish gray
N.P.=Non-plastic
S.P.=Semi-plastic

06/02/2021
06/02/2021

BANGLADESH WATER DEVELOPMENT BOARD

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

72 GREEN ROAD, DHAKA-1205.

Project: Rehabilitation of sub-project Mahidhamati-Naboganga & SITE: Kalishankarpur khal
REVIVAL of Nahaqanga by co-excavation and dredging

e-excavation and dredging & to

LOCATION: Kalishankarpur (5.060 km) HOLE NO: H1-H4 GROUND LEVEL:

SOIL SAMPLING

A) UNDISTURB
SAMPLE NOS.:
DIMENSIONS:
NO TAKEN:

TYPE: TRY
DRILLER: Md. Abu Jaffer GEOLOGIST: Md. Maniruzzaman Bhuiyan

Abu Jaher GEOLOGIST

Journal of Health Politics, Policy and Law

1

SAMPLE NOS: D1-D14	DIMENSIIONS: 1 3/4 ID X 24 Inch	NO TAKEN: 14 Nos	WEIGHT OF HAMMER: 140 lb	Avg. DROP: 30 inches	TYPE: Split Spoon
--------------------	---------------------------------	------------------	--------------------------	----------------------	-------------------

HOW CAN I EASIESTLY GET A COPY OF THE SPANISH SPEECH

VWEIGHT

HOW SAMBLED.

CASING

LEN GTH USED: [LEN GTH USED] AVG: DROP: [AVG: DROP]

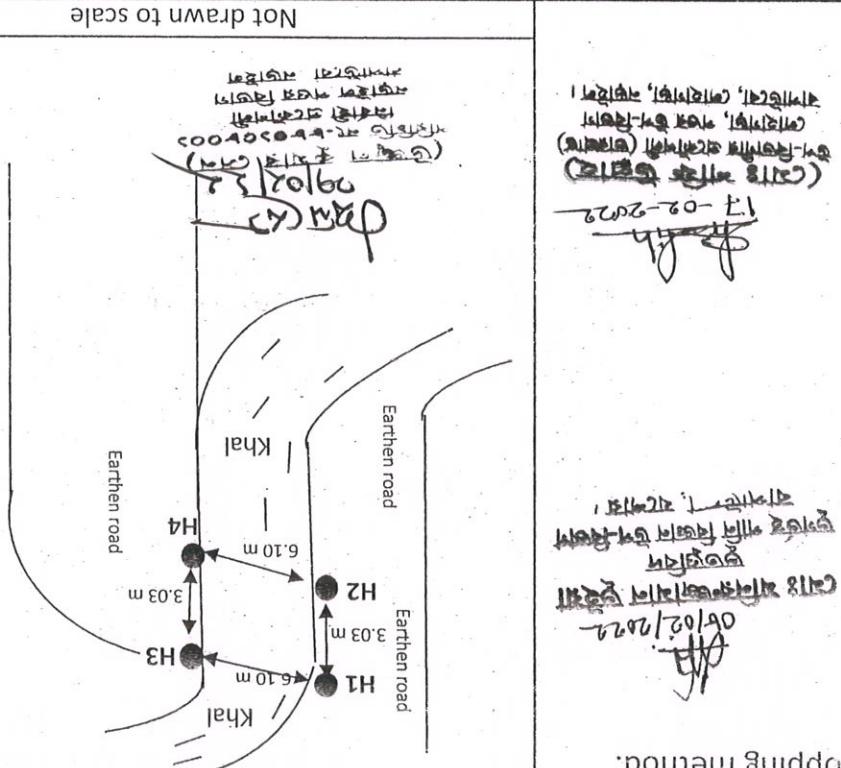
LENGTH USED:

512

Drilling was advanced by Chopping method.
REMARKS

Planning was undertaken by Chapman Method.

REMARKS



FIELD BORE LOG																					
GROUNDWATER HYDROLOGY																					
BANGLADESH WATER DEVELOPMENT BOARD																					
Project: Rehabilitation of sub-project Madhumati-Naboganga & SITE: Kalishankarpur Khal Revival of Naboganga by re-excavation and dredging & to protect ecological balance.																					
LOCATION: Kalishankarpur (5.060 km)	HOLE NO: H1	GROUND LEVEL: 5.85 m	CLIENT: XEN, Q&M DIVISION, Narail	DATE STARTED: 10-01-2022	DATE COMPLETED: 10-01-22	OF DATE-	DRILLED BY: GWDH-2	UNIT: Rig-21	TOTAL DEPTH: 72 ft												
LITHOLOGICAL DESCRIPTION																					
No of Sample	Type of Sample	Scale (ft)	REMARKS																		
			DILATANCY	DISTURBED SAMPLES	PENETRATION TEST	INDEX	DENSITY	COLOR	MOISTURE	PLASTICITY	N.P.	GRAY	V.soft=very soft								
D1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
D2	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
D3	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
D4	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
D5	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
D6	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130
D7	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135
D8	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
D9	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
D10	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
D11	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155
D12	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
D13	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165
D14	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170

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

FIELD BORE LOG									
GROUNDWATER HYDROLOGY									
BANGLADESH WATER DEVELOPMENT BOARD									
Project: Rehabilitation of sub-project Madhumati-Naboganga & SITE: Kalishankarpur Khal									
REVIVAL of Naboganga by re-excavation and dredging & to protect ecological balance.									
LOCATION: Kalishankarpur (5.60 km) HOLE NO: H2 DATE COMPLETED: 11-01-2022 AT 7:00 HRS									
CLIENT: XENOGM DIVISION, Narail WATER LEVEL: (1.43 m) GROUND LEVEL: 5.9 m DATE STARTED: 11-01-2022 OF DATE-									
TOTAL DEPTH: 72 ft UNIT: Rig-21									
DRILLED BY: GWHD-2									
DESCRIPTION									
PHYSICAL		DISTURBED SAMPLES		PENETRATION TEST		INDEX		REMARKS	
DILATANCY		BLOWS ON SPOON		NO OF BLOWS PER 1 FT		COLOR		MOISTURE	
0 / 6 / 12 / 18		0 / 12 / 18 / 24		0 / 12 / 24		Soft		V.Soft	
1 / 2 / 2 / 2		1 / 2 / 2 / 2		1 / 2 / 2 / 2		Plastic		Non-plastic	
1 / 1 / 1 / 1		1 / 1 / 1 / 1		0 / 1 / 1 / 2		Gray		Moist	
1 / 2 / 2 / 2		1 / 2 / 2 / 2		3 / 4 / 5 / 5		Clay with Trace silt		Clay with some silt	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		2 / 2 / 3 / 4		4 / 4 / 5 / 6		Very fine sand, Little silt and trace Clay	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		2 / 4 / 5 / 6		5 / 6 / 7 / 7		Clay with some silt and trace Clay	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		3 / 7 / 8 / 12		6 / 7 / 7		Clay with some silt	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		4 / 4 / 6 / 7		5 / 6 / 7 / 8		Very fine sand with trace	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		5 / 6 / 7 / 7		5 / 6 / 7 / 8		D14	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		6 / 7 / 7		6 / 7 / 8		D13	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		7 / 8 / 8		7 / 8 / 8		D12	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		8 / 9 / 9		8 / 9 / 9		D11	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		9 / 10 / 10		9 / 10 / 10		D10	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		10 / 11 / 11		10 / 11 / 11		D9	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		11 / 12 / 12		11 / 12 / 12		D8	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		12 / 13 / 13		12 / 13 / 13		D7	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		13 / 14 / 14		13 / 14 / 14		D6	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		14 / 15 / 15		14 / 15 / 15		D5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		15 / 16 / 16		15 / 16 / 16		D4	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		16 / 17 / 17		16 / 17 / 17		D3	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		17 / 18 / 18		17 / 18 / 18		D2	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		18 / 19 / 19		18 / 19 / 19		D1	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		19 / 20 / 20		19 / 20 / 20		5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		20 / 21 / 21		20 / 21 / 21		D10	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		21 / 22 / 22		21 / 22 / 22		D9	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		22 / 23 / 23		22 / 23 / 23		D8	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		23 / 24 / 24		23 / 24 / 24		D7	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		24 / 25 / 25		24 / 25 / 25		D6	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		25 / 26 / 26		25 / 26 / 26		D5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		26 / 27 / 27		26 / 27 / 27		D4	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		27 / 28 / 28		27 / 28 / 28		D3	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		28 / 29 / 29		28 / 29 / 29		D2	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		29 / 30 / 30		29 / 30 / 30		D1	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		30 / 31 / 31		30 / 31 / 31		5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		31 / 32 / 32		31 / 32 / 32		D10	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		32 / 33 / 33		32 / 33 / 33		D9	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		33 / 34 / 34		33 / 34 / 34		D8	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		34 / 35 / 35		34 / 35 / 35		D7	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		35 / 36 / 36		35 / 36 / 36		D6	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		36 / 37 / 37		36 / 37 / 37		D5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		37 / 38 / 38		37 / 38 / 38		D4	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		38 / 39 / 39		38 / 39 / 39		D3	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		39 / 40 / 40		39 / 40 / 40		D2	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		40 / 41 / 41		40 / 41 / 41		D1	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		41 / 42 / 42		41 / 42 / 42		5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		42 / 43 / 43		42 / 43 / 43		D10	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		43 / 44 / 44		43 / 44 / 44		D9	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		44 / 45 / 45		44 / 45 / 45		D8	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		45 / 46 / 46		45 / 46 / 46		D7	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		46 / 47 / 47		46 / 47 / 47		D6	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		47 / 48 / 48		47 / 48 / 48		D5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		48 / 49 / 49		48 / 49 / 49		D4	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		49 / 50 / 50		49 / 50 / 50		D3	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		50 / 51 / 51		50 / 51 / 51		D2	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		51 / 52 / 52		51 / 52 / 52		D1	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		52 / 53 / 53		52 / 53 / 53		5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		53 / 54 / 54		53 / 54 / 54		D10	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		54 / 55 / 55		54 / 55 / 55		D9	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		55 / 56 / 56		55 / 56 / 56		D8	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		56 / 57 / 57		56 / 57 / 57		D7	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		57 / 58 / 58		57 / 58 / 58		D6	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		58 / 59 / 59		58 / 59 / 59		D5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		59 / 60 / 60		59 / 60 / 60		D4	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		60 / 61 / 61		60 / 61 / 61		D3	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		61 / 62 / 62		61 / 62 / 62		D2	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		62 / 63 / 63		62 / 63 / 63		D1	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		63 / 64 / 64		63 / 64 / 64		5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		64 / 65 / 65		64 / 65 / 65		D10	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		65 / 66 / 66		65 / 66 / 66		D9	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		66 / 67 / 67		66 / 67 / 67		D8	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		67 / 68 / 68		67 / 68 / 68		D7	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		68 / 69 / 69		68 / 69 / 69		D6	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		69 / 70 / 70		69 / 70 / 70		D5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		70 / 71 / 71		70 / 71 / 71		D4	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		71 / 72 / 72		71 / 72 / 72		D3	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		72 / 73 / 73		72 / 73 / 73		D2	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		73 / 74 / 74		73 / 74 / 74		D1	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		74 / 75 / 75		74 / 75 / 75		5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		75 / 76 / 76		75 / 76 / 76		D10	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		76 / 77 / 77		76 / 77 / 77		D9	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		77 / 78 / 78		77 / 78 / 78		D8	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		78 / 79 / 79		78 / 79 / 79		D7	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		79 / 80 / 80		79 / 80 / 80		D6	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		80 / 81 / 81		80 / 81 / 81		D5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		81 / 82 / 82		81 / 82 / 82		D4	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		82 / 83 / 83		82 / 83 / 83		D3	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		83 / 84 / 84		83 / 84 / 84		D2	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		84 / 85 / 85		84 / 85 / 85		D1	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		85 / 86 / 86		85 / 86 / 86		5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		86 / 87 / 87		86 / 87 / 87		D10	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		87 / 88 / 88		87 / 88 / 88		D9	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		88 / 89 / 89		88 / 89 / 89		D8	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		89 / 90 / 90		89 / 90 / 90		D7	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		90 / 91 / 91		90 / 91 / 91		D6	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		91 / 92 / 92		91 / 92 / 92		D5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		92 / 93 / 93		92 / 93 / 93		D4	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		93 / 94 / 94		93 / 94 / 94		D3	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		94 / 95 / 95		94 / 95 / 95		D2	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		95 / 96 / 96		95 / 96 / 96		D1	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		96 / 97 / 97		96 / 97 / 97		5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		97 / 98 / 98		97 / 98 / 98		D10	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		98 / 99 / 99		98 / 99 / 99		D9	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		99 / 100 / 100		99 / 100 / 100		D8	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		100 / 101 / 101		100 / 101 / 101		D7	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		101 / 102 / 102		101 / 102 / 102		D6	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		102 / 103 / 103		102 / 103 / 103		D5	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		103 / 104 / 104		103 / 104 / 104		D4	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		104 / 105 / 105		104 / 105 / 105		D3	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		105 / 106 / 106		105 / 106 / 106		D2	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		106 / 107 / 107		106 / 107 / 107		D1	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		107 / 108 / 108		107 / 108 / 108		5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		108 / 109 / 109		108 / 109 / 109		D10	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		109 / 110 / 110		109 / 110 / 110		D9	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		110 / 111 / 111		110 / 111 / 111		D8	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		111 / 112 / 112		111 / 112 / 112		D7	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		112 / 113 / 113		112 / 113 / 113		D6	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		113 / 114 / 114		113 / 114 / 114		D5	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		114 / 115 / 115		114 / 115 / 115		D4	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		115 / 116 / 116		115 / 116 / 116		D3	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		116 / 117 / 117		116 / 117 / 117		D2	
1 / 2 / 3 / 4		1 / 2 / 3 / 4		117 / 118 / 118		117 / 118 / 118		D1	
0 / 1 / 2 / 2		0 / 1 / 2 / 2		118 / 119 / 119		118 / 11			

FIELD LOG							
GROUNDWATER HYDROLOGY							
BANGLADESH WATER DEVELOPMENT BOARD							
Project: Rehabilitation of sub-project Madhumati-Nabogangna & SITE: Kalishankarpur Khal							
Revival of Nabogangna by re-excavation and dredging & to protect ecological balance.							
LOCATION: Kalishankarpur (5.060 km) HOLE NO: H3 GROUND LEVEL: 6.1 m							
CLIENT: XEN, O&M DIVISION, Narail DATE COMPLETED: 12-01-22 OF DATE- AT 7:00 HRS							
DATE STARTED: 12-01-2022 DRILLED BY: GWHD-2 UNIT: Rig-21 TOTAL DEPTH: 72 ft							
DESCRIPTION							
No. of Sample	Type of Sample	TEST					
		INDEX	DENSITY	COLOR	MOISTURE	DILATANCY	BLOWS ON SPOON
5	Clay with Trace silt	Soft	Gray	dark gray	Plastic	2 3 5 6	2 3 4 5
10	Clay with Little silt	V. soft	Stiff	Medium stiff	N.P.	2 4 6 7	2 4 5 7
15	Clay with some silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 4 6
20	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
25	Clay with some silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
30	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
35	Clay with some silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
40	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
45	Clay with some silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
50	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
55	Very fine sand with trace silt	Soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
60	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
65	Very fine sand with trace silt	Soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
70	Very fine sand with trace silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
75	Very fine sand with trace silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
80	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
85	Clay with some silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
90	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8
95	Clay with some silt	Soft	Stiff	Medium stiff	NP	3 5 6 7	2 2 5 8
100	Clay with Little silt	V. soft	Stiff	Medium stiff	NP	2 4 6 7	2 2 5 8

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

M.S.=Medium stiff
W.G.=Whitish gray
N.P.=Non-plastic
S.P.=Semi-plastic

251
7/1/2022 Pre-cast pdf 8TON

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

Project: Rehabilitation of sub-project Madhumati-Naboganga & SITE: Kalishankarpur Khal	Revival of Naboganga by re-excavation and dredging & to	P.S: Lahuria	DIST: Narail	protect ecological balance.
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LOCATION: Kalsihankapur (5.060 km)	HOLE NO: H4	GROUND LEVEL: 6.03 m	CLIENT: XEN, O&GM DIVISION, Narail	WATER LEVEL:(1.25 m)	OF DATE-	DATE STARTED: 13-01-2022	DATE COMPLETED:13-01-22	UNIT: Rig-21	DRILLED BY: GWHD-2	TOTAL DEPTH: 72 ft
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LITHOLOGICAL DESCRIPTION										REMARKS
INDEX	PENETRATION TEST	DISTURBED SAMPLES	PHYSICAL	BLOWS ON SPOON	BLOWS ON CASING	NO OF BLOWS PER 1 FT	DILATANCY	MOISTURE	COLOR	
0.00	0.00	1.1	1.1	1.1	1.1	1.1	1.1	Clay with trace silt	Gray	D2
0.10	1.2	2	1.1	1.1	1.1	1.1	1.1	Clay with trace silt	Gray	D3
0.20	2	2	1.1	1.1	1.1	1.1	1.1	Clay with trace silt	Gray	D4
0.30	3	4	2	2	2	2	2	Clay with Little silt	Gray	D5
0.40	3	4	5	5	5	5	3	Clay with Little silt	Gray	D6
0.50	4	5	5	5	6	6	2	Very fine sand with Little	Gray	D7
0.60	4	6	7	6	7	7	2	Very fine sand with Little	Gray	D8
0.70	4	6	8	7	8	8	2	Very fine sand with Little	Gray	D9
0.80	5	6	8	8	9	9	2	Very fine sand with Little	Gray	D10
0.90	5	7	8	9	9	9	2	Clay with Some silt	Gray	D11
1.00	5	8	9	9	9	9	2	Very fine sand with clay	Gray	D12
1.10	5	8	9	9	9	9	2	slit trace clay	Gray	D13
1.20	5	8	9	9	9	9	2	slit trace clay	Gray	D14

M.D-Medium
dense

2020/6/9
11:10