

Project :

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHİ.

Well No. :	Bhakariganj Panchagarh
District :	Boda
Upazilla :	Kaliaganj
Union :	Khedize Kazar Dighi.
Mouza :	43
J.L. No:	651
Plot No :	

Barind Multipurpose
Development Authority

M/S. A taur Rahman Khan

DRILLING LOG

Date started 19-03-2008 4.00 hrs; Date completed 19-03-2008 6.00 hrs.
Logged by Mohammed Ali; Rod length 10'-0" ft.

Drilling time log			Graphic log	Thickness (ft.)		Description of formation
rod 1	from 4.00	to		from 0'	to 10'	
			10'	20'	Clay	
			20'	30'		
			30'	40'		
			40'	50'		
			50'	60'		
			60'	70'	F.S Light Brown	
			70'	80'		
			80'	90'		
			90'	100'		
			100'	110'		
			110'	120'	M.S Brown	
			120'	130'		
			130'	140'		
			140'	150'		
			150'	160'		
			160'	170'	C.S Brown	
			170'	180'		
			180'	190'		
			190'	200'		
			200'	210'		
22	6.00		210'	220'	Plastic clay	
			</			

SSAE/SAE

Date ১০/১১/২০২০
DTW-Technical paper-(p-2)

~~Asst. Engd~~

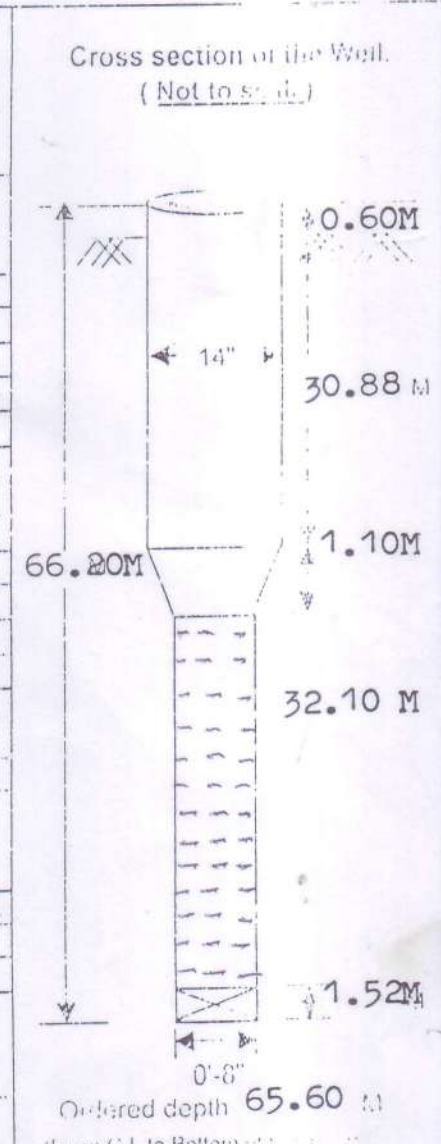
Date: ১৫ই আগস্ট-২০১৯
সহকারী প্রকৌশলী
বিদ্যুৎবিভাগ, ইউনিট-২
কোমার কোলন, কোমার, গুজরাত।

For the Contractor

Date _____
মেসার্স আতাউর রহমান খান
ঠানঠানিয়া, বগুড়া।

Project  BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY, RAJSHAH.		Well No District Upazila Union Panchagarh Boda Kaliaganj Khadiza Kazaldighi
Engineer Barind Multipurpose Development Authority	Drilling Contractor M/S. Ataur Rahman Khan	Well No District Upazila Union Panchagarh Boda Kaliaganj Khadiza Kazaldighi
		Plot No 651
		CONSTRUCTION DETAILS.

Operation	Started	Completed	
Drilling 19-03-2008 At 4.00	19-3-08 At 6.00		
Casing " At 9.00	" At 12.00		
Casing placing " At 13.00	" At 16.00		
Drilling Diameter : 14" / 22" / 24" / 44"			
Housing pipe diameter : 14" (Mild Steel / PVC)			
UWC : 0.60 M. above G.L.			
UWC Including Reducer : 31.98 M. below G.L.			
Lapping- 1.67 M. (With Reducer)			
LV (Diameter 0'-8" Inch) (Mild Steel / PVC)			
Depth below G.L. : From : M. To M.			
Lapping- M.			
Screen (Diameter 0'-8" Inch) (SS/ F.G/ L.C.S/ PVC)			
Depth below G.L. : From : 31.98 M. To 64.08 M.			
Lapping- 0.90 M.			
Blind plug (Diameter 0'-8" Inch) (SS/ F.G/ L.C.S/ PVC)			
Depth below G.L. : From : 64.08 M. To 65.60 M.			
Centralizers :			
Depth below G.L. At 32 M, 38 M, 44 M, 50 M, 56 M, 62 M, 65.50 M.			
Total Number : 7 Nos			
Gravel :			
Gravel Quantity (Approximately) : 13.71 Cum.			
Depth below G.L. At : From : 0 M. To 66 M.			
Total Quantity : 13.71 Cum.			
Figure Length (Excluding lapping of Joint).			
From up to UWC to bottom of Blind Plug			
Total length : 66.20 M.			
Verticality Test :			
Maximum Deviation : 1.968 Inch at M. Depth.			
Date : 19-03-2008			
১৭ই মার্চ ২০০৮ তারিখে ১৪" ও ২২" ও ২৪" ও ৪৪" ডায়ামিটারের পাইপ দিয়ে ৬৬.২০ মিটার গভীরতায় ড্রিলিং করা হয়েছে।			



Material Used :	34.25+0+33.00+1.52 = 68.77 M
Housing (Including Reducer) + Blind Pipe + Well Screen + Blind Plug =	
Lapping :	1.67+0+0.90+0 = 2.57 M
Housing (Including Reducer) + Blind Pipe + Well Screen + Blind Plug =	

Sr./ Sub Assistant Engineer
 B.M.D.A., Unit-2
 Thakurgaon
 ১৯/০৩/০৮

Assistant Engineer
 (B.M.D.A. Unit-2)
 Thakurgaon
 ১৯/০৩/০৮

For the Contractor
 মোসাদ্দিক রহমান খান
 ঠাকুরগাঁও, বগুড়া।

E.D.T.W. Form Paper-1/2008
 মোসাদ্দিক রহমান, বগুড়া।



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI.**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Shrouding

1. Well No. :
2. District : **Panchagarh**
3. Upazilla : **Boda**
4. Union : **Kaliaganj**
5. Mouza : **Khadiza Kazaldighi**
6. J.L No : **43**
7. Plot No : **651**
8. Total Length of the Tubewell : **66.20 M**
9. Length of UWC (Excluding Reducer) **31.48 M** ft. Date : **19-03-2008**
10. Name of Sinking Contractor : **M/S. Ataur Rahman Khan**

VERTICALITY DATA SHEET

Suspension Height (H) **10** ft.

Dia of UWC, d_1 **14.00** inch

Dia of Disc, d_2 **13.50** inch

Depth in ft. L.	Deviation in inch X	Bearing Reading Pointing North	Calculated Deviation in inch $D' = \frac{X(L+H)}{H}$	Disc Factor $C = \frac{d_1 - d_2}{2}$	Deviation in inch $D = D' + C$
10'	1/32	NE	0.062	0.25	0.312
20'	3/32	"	0.281	"	0.531
30'	1/8	"	0.50	"	0.75
40'	1/8	"	0.625	"	0.875
50'	1/8	"	0.75	"	1.00
60'	1/8	"	0.875	"	1.125
70'	1/8	"	1.25	"	1.50
80'	5/32	"	1.406	"	1.656
90'	5/32	"	2.187	"	2.437
100'	7/32	"	2.406	"	2.656
110'	7/32	"			
120'					

11. Maximum Deviation : **2.656** inch at depth **100** ft.

12. Other observation, if any :

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Date

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বিএমডিএ, ইউনিট-২
সিদ্ধান্ত জোন, বোদা, পঞ্চগড়।

Asstt. Engr.

Date

সহকারী প্রকৌশলী
বিএমডিএ, ইউনিট-২
সিদ্ধান্ত জোন, বোদা, পঞ্চগড়।

For the Contractor

Date

মেসার্স আতাউর রহমান খান
ঠানঠানিয়া, বগুড়া।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY

RAJSHAHI.

DEVELOPMENT RECORD

(Period : 2 hours)

Page No : 1

Copy for

Date : 23-03-2008				Well No.	
Starting time : 6.00 hrs 00 Minute Capacity of Pump 3.00 cusec,				District : Panchagarh	
Ref. Mark (Top of Housing) 2 ft. 0 inch. above GL				Upazilla : Boda	
Static water level 12 ft. 4 inch below top of housing pipe.				Union : Kaliaganj	
Size of orifice 5 inch, Size of delivery pipe 6 inch.				Mouza : Khadiza Kazaldighi	
Length of UWC 105 ft. Depth of Pump setting 73 ft.				J.L. No : 43	
				Plot No : 651	

Time	Piezometric height (inch)	Discharge gls/min/ cusec	Pumping Water Level (ft)	Actual Draw Down (ft)	Remarks
1	2	3	4	5	6
00 mn					50% Discharge
05 mn	32.5	1.00	19'-11"	7'-7"	
10 mn	"	"	20'-2"	7'-10"	
15 mn	"	"	20'-3"	8'-0"	
20 mn	"	"	20'-4½"	8'-1½"	
25 mn	"	"	20'-5½"	8'-2½"	
30 mn	"	"	20'-6"	8'-3"	8.00
35 mn	53	2.00	28'-0"	15'-8"	100% Discharge
40 mn	"	"	28'-3"	15'-11"	
45 mn	"	"	28'-5½"	16'-1½"	
50 mn	"	"	28'-7"	16'-3"	
55 mn	"	"	28'-8½"	16'-4½"	
60 mn	"	"	28'-9½"	16'-5½"	
65 mn	"	"	28'-10"	16'-6"	8.25
70 mn	84	2.50	32'-7"	20'-3"	125% Discharge
80 mn	"	"	32'-11"	20'-7"	
90 mn	"	"	33'-1"	20'-9"	
100 mn	113	3.00	37'-0"	24'-8"	150% Discharge
110 mn	"	"	37'-3½"	24'-11½"	
120 mn (2 hrs)	"	"	37'-6"	25'-2"	

1 cusec = 448.8 gls/mn

SSAE/SAE

Date

For the Engineer

Date

For the Contractor

Date