

Project :

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
BANSWARI

RAJSHAHI.

Well No.	Atwar	Upazilla :	Bol arampur	Union :	Bol arampur	Mouza :	01-d-75	J.L. No. :	(No-Striking)
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English

Barind Multipurpose

Developmental Biology

Date started

Logged by	Rod length
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Description of formation

Vol. 4. S.

1 akish plastie clay

LT. CR. M.S.

Light grey C.S. with

• 10415

Lt. Br. M.S. with

3. TABLE

Dr. C. S.

U. S. G. R. C. I.

DR. C. S. WITH REVOLS.

Mr. C. S. With Traveling.

Graphic		log	from	Thickness (ft.)
	10		10	20
				30
				40
				50
				60
				70
				80
				90
				100
				
120				
130				
140				
150				
160				
170				
180				
190				
	10		10	
				210
				220
				230
				240
				250
				260
				270
				280
				
300				
310				
320				
330				
340				
350				
360				
370				
Description of formation with				
very F.S.				
Blackish plastic clay				
Lt. Gr. M.S.				
Light grey C.S. with				
gravel.				
Lt. Br. M.S. with				
gravel.				
Br. C.S.				
Lt. Gr. C.S.				
Gr. C.S. with gravel.				
Br. C.S. with gravel.				

SSAE/SAE

Date:

Assit. Engr. 6

Date: _____

Date _____

70.90.50

WATER WELL DRILLERS

For the Contractor *HR*



Project:

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

Engineer

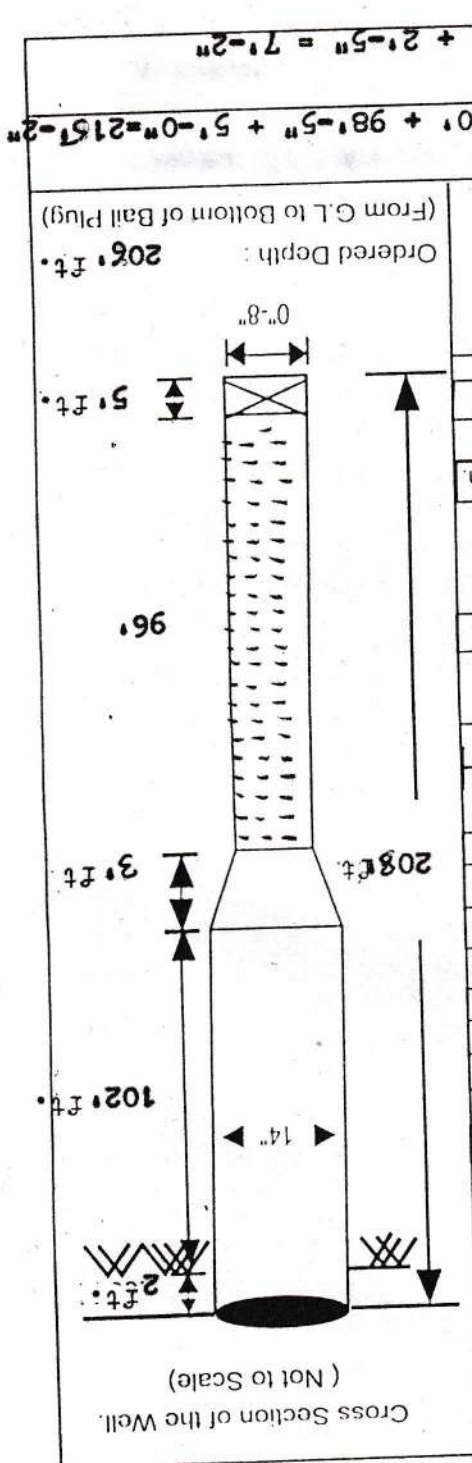
Barind Multipurpose
Development Authority.

M/S. Water Well Drillers
Drilling Contractor

Well No	Upzila	District	Union	Mouza	J.L.No	Plot No
			Bolorempur	Bolorempur	Old - 75	(Re-sinking)
CONSTRUCTION DETAILS.						

Operation	Date	Started	Completed
Drilling	14.2.06	7.00 hrs	10.00 hrs
Casing	13.2.06	8.00 hrs	11.00 hrs
Gravel Placing	15.2.06	11.00 hrs	13.00 hrs
Drilling Diameter	14" / 22" / 24" / 4"		

Housing Pipe Diameter: 14"		Material: Mild Steel / PVC	
UWC		2' Above G.L.	
UWC Including Reducer		105' Ft. below G.L.	
Lapping 4'-9" (With Reducer)		Total Length (M)	
LWC (Diameter 0'-8" Inch)		(Mild Steel / PVC)	
Lapping		From: / Ft. To: / Ft.	
Screen (Diameter 0'-8" Inch)		SS / FG / L.C.S / PVC	
Depth below G.L.		From: / Ft. To: / Ft.	
Bail Plug (Diameter 0'-8" Inch)		SS / FG / LCS / PVC	
Depth below G.L.		From: 20' Ft. To: 20' Ft.	
Centralizers:		Depth below G.L. At 118', 138', 158', 178', 198'	
Gravel:		Total Number 5 Nos.	
Gravel Quantity (Approximately):		433 c.ft.	
Depth below G.L.:		From GL To 220' Ft.	
G.L. & Ball Plug		Total Quantity 433 c.ft.	
Fixture Length (Excluding Lapping of Joint):		Total Length 208' Ft.	
From Top of UWC to bottom of Bail Plug		208' Ft.	
Vertically Test:		Maximum Deviation: 1.375 Inch at 80' Ft. Depth.	
Date:		15.2.06	



For the Contractor
M/S. WATER WELL DRILLERS
Date: 03.06.07
Proprietor: M/S. WATER WELL DRILLERS

Assst. Engg.
Date: 03.06.07
M/S. WATER WELL DRILLERS

S. SAE/S.A.E.
Date: 03.06.07
M/S. WATER WELL DRILLERS



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH I

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Shrouding

1. Well No.:
2. District: **Panchagarh**
3. Upazilla: **Atwari**
4. Union: **Bol orampur**
5. Mouza: **Bol orampur**
6. I.L. No.: **Q1-d-75 (Re-sinking)**
7. Plot No.:
8. Total Length of the Tubewell:
9. Length of UWC (Excluding Reducer): **208'**
10. Name of Sinking Contractor: **M/s. Water well drillers.**

VERTICALITY DATA SHEET

Suspension Height (H) _____ ft. Dia of UWC, d₁ 14 inch
Dia of Disc, d₂ 12.5 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'		1/16	SW	0.125	0.25	0.375
20'		1/8	"	0.375	0.25	0.625
30'		1/8	"	0.50	0.25	0.75
40'		1/16	"	0.3125	0.25	0.5625
50'		0	-	0	0.25	0.25
60'		1/16	SW	0.4375	0.25	0.6875
70'		1/8	SW	1.00	0.25	1.25
80'		1/8	SW	1.125	0.25	1.375
90'		1/8	"	1.25	0.25	1.50
100'		1/8	SW	1.375	0.25	1.625
110'						
120'						

11. Maximum Deviation : **1.625** inch at depth **100** ft.
12. Other observation, if any :

SSA RAJSHAH I
Date: **15.02.06**
For the Contractor
Date: _____
M/S. WATER WELL DRILLERS

Assit. Engr. (Water)
Date: _____
SSA RAJSHAH I
Date: **15.02.06**
For the Contractor
Date: _____
M/S. WATER WELL DRILLERS



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAHI

RECOVERY RECORD (Period : 1 hour)

Page No : 2

Date: Panchagarh	Well No :
Starting Time Atwri hrs _____ Minute	District :
Dolorampur	Upazilla :
Ref. Mark (Top of Holonampur _____ ft. above GL)	Union :
old-25 (no-sinking)	Mouza :
Static Water Level _____	J.L No :
104' 1991	Plot No : 15.2.06

N/S. water well drillers.

Time	Water Level below Reference Mark (ft.)				Remarks
1	2				3
00mn (2 hrs)					14
01 mn	10				13.5
02 mn					
03 mn					
04 mn					
05 mn					
07 mn	1/16	SW	0.125	0.25	0.375
09 mn	1/16	"	0.1875	0.25	0.4375
11 mn	1/16	"	0.25	0.25	0.50
13 mn	0	-	0	0.25	0.25
15 mn	1/16	SW	0.4375	0.25	0.6875
20 mn	1/8	"	1.00	0.25	1.25
25 mn	1/8	"	1.125	0.25	1.375
30 mn	1/16	"	0.625	0.25	0.875
40 mn					
50 mn					80
60 mn (3 hours)					
					100

S.SAE/SAE

Date **03.06.07**

Asstt. Engr.

Date **03.06.07**

M/S. WATER WELL DRILLER'S

For the Contractor

Date _____



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

DEVELOPMENT RECORD
(Period : 2 hour)

Page No : 1

Date: _____	Well No : _____
Starting Time <u>16.02.06</u> hrs _____ minute, Capacity of Pump _____ cusec	District : _____
Ref. Mark (Top of Housing) _____ ft. above G.L.	Upazilla : <u>Panchagarh</u>
Static Water Level _____ ft. below top of Housing Pipe.	Union : <u>Atwari</u>
Size of Orifice <u>17'-3"</u> inch, Size of Delivery Pipe _____ inch	Mouza : <u>Bol orampur</u> <u>Bol orampur</u>
Length of UWC <u>104</u> ft, Depth of Pump Setting <u>70</u> ft.	J.L No. : _____
	Plot No. : <u>014-2575</u> (No-Sinking)

Time	Piezometric Height (inch)	Discharge (cusec)	Pumping Water Level below Reference Mark (ft.)	Actual Draw-Down (ft.)	Remarks
1	2	3	4	5	6
00mn (8 hrs)	8	1.00	17'-3"	-	50% Discharge
05 mn	"	"	33'-9"	16'-6"	
10 mn	"	"	34'-1"	16'-10"	
15 mn	"	"	34'-4"	17'-1"	
20 mn	"	"	34'-7"	17'-4"	
25 mn	"	"	34'-9"	17'-6"	
30 mn	"	"	34'-10"	17'-7"	
35 mn	"	"	51'-7"	34'-4"	100% Discharge
40 mn	32.5	2.00	51'-10"	34'-7"	
45 mn	"	"	52'-0"	34'-9"	
50 mn	"	"	52'-1"	34'-10"	
55 mn	"	"	52'-2"	34'-11"	
60 mn	"	"	52'-2½	34'-11½	
65 mn	"	"	52'-3"	35'-0"	
70mn	"	"	60'-6"	43'-3"	125% Discharge
75mn	53	2.50	60'-8"	43'-5"	
80 mn	"	"	60'-9"	43'-6"	150% Discharge
85 mn	"	"	69'-0"	51'-9"	
90 mn	78	3.00	69'-2"	51'-11"	
95 mn	"	"	69'-3"	52'-0"	

1 cusec = 28.32 LPS.

S.SAE/SAE

Date 03.06.07

বিদ্যমান, ইউনিট-২, আটোয়ারী জোন
6-DEW-XEN-2, Technical paper (P-6)
আটোয়ারী, পঞ্চগড়।

Asstt. Engr. (সহঃ প্রকৌশল ইঞ্জিনিয়ার)

Date 03.06.07

বিদ্যমান, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

M/S. WATER WELL DRILLER'S

W. S. Man
01.06.07
PROPRIETOR

For the Contractor

Date _____



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

RECOVERY RECORD
(Period : 1 hour)

Page No : 2

Date: 16.2.06	Well No :
Starting Time 9 hrs 00 Minute	District : Panchagarh
Ref. Mark (Top of Housing) 1'-6" ft. above GL	Upazilla : Atwari
Static Water Level 17'-3" ft. below top of Housing Pipe.	Union : Bolorampur
	Mouza : Bolorampur
	J.L No : 01d-2875
	Plot No : (Re-Sinking)

Time	Water Level below Reference Mark (ft.)	Remarks
1	2	3
00mn (2 hrs)	-	
01 mn	20'-11"	
02 mn	20'-6"	
03 mn	20'-1"	
04 mn	19'-9"	
05 mn	19'-5"	
07 mn	19'-1"	
09 mn	18'-10"	
11 mn	18'-7"	
13 mn	18'-5"	
15 mn	18'-3"	
20 mn	18'-1"	
25 mn	17'-11"	
30 mn	17'-9"	
40 mn	17'-8"	
50 mn	17'-7"	
60 mn (3 hours)	17'-5"	

S SAE/SAE
Date: **16.02.06**

বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
6-E-DTW-XEN-2- Technical paper (P-7)
আটোয়ারী, পঞ্চগড়।

Asstt. Engr.
Date: **16.02.06**

বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

M/S. WATER WELL DRILLER'S

For the Contractor
Date: **16.02.06**

Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAHI

SAND TEST RECORD

(Period : 1 hour)

Page No : 3

Date: 16.2.06	Well No : _____
Starting Time 10 hrs. 0 minute, Capacity of Pump 3 cusec	District : Panchagarh
Ref. Mark (Top of Housing) 1'-6" ft above G.L.	Upazilla : Atwari
Static water level 17'-3" ft below top of Housing Pipe.	Union : Bolorampur
Size of Orifice 6 inch, Size of Delivery Pipe 8 inch	Mouza : Bolorampur
Length of UWC 106 ft, Depth of Pump setting 70 ft.	J.L. No. : old-75
	Plot No. : (No-sinking)

Time	Pumping Water Level below Ref. Mark (ft)	Sand Content
1	2	3
00mn	17'-5½"	N.B. Accepted Sand Content after 5 minutes 100 ppm and after 10 minutes-30 ppm.
(3 hrs)	65'-11"	
01 mn	66'-3"	
02 mn	66'-6"	
03 mn	66'-8"	
04 mn	66'-10"	
05 mn	67'-0"	
07 mn	67'-2"	
09 mn	67'-4"	
11 mn	67'-6"	
13 mn	67'-8"	Observed Result : 100 (a) After 5 minutes : 30 ppm (b) After 10 minutes : ppm
15 mn	67'-10"	
20 mn	68'-0"	
25 mn	68'-1"	
30 mn	68'-2"	
40 mn	68'-3"	
50 mn	68'-4"	
60 mn	68'-4"	
(4 hrs.)		

SSAE/SAE

Date **16.2.06**

বিজ্ঞানভিত্তিক, ইউনিট-২, আটোয়ারী জোন

আটোয়ারী, রাজশাহী

6-E-DTW-XEN-2- Technical paper (P-8)

Asstt Engr.

Date

বিজ্ঞানভিত্তিক, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, রাজশাহী

M/S. WATER WELL DRILLERS

Proprietor

PROPRIETOR

For the Contractor

Date _____



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

Development Records
(Period : 4 hours)
150 % Discharge

Page No : 4

Date: 16.2.06	Well No : _____
Starting Time 11 hrs 00 minute, Capacity of Pump 3 cusec	District : Panchagarh
Ref. Mark (Top of Housing) 1'-6" ft above GL	Upazilla : Atwari
Static Water Level 17'-3" ft below top of Housing Pipe.	Union : Bol orampur
Size of Orifice 6 inch, Size of Delivery pipe 8 inch	Mouza : Bol orampur
Length of UWC 106 ft, Depth of Pump Setting 70 ft.	J.L No : old-2575
104	Plot No : (No-sinking)

Time	Piezometric height (ft)	Discharge (cusec)	Pumping Water Level below Ref Mark (ft)	Actual Draw-Down (ft)	Remarks
1	2	3	4	5	6
00mn (4 hrs)	78"	3.00	68'-4"	51'-1"	Back Wash only one time
05 mn	"	"	66'-2"	48'-11"	
10 mn	"	"	66'-6"	49'-3"	
15 mn	"	"	66'-10"	49'-7"	
20 mn	"	"	67'-1"	49'-10"	
30 mn	"	"	67'-4"	50'-1"	
40 mn	"	"	67'-6"	50'-3"	
50 mn	"	"	67'-7"	50'-4"	
60 mn	"	"	67'-8"	50'-5"	
75 mn	"	"	67'-9"	50'-6"	
90 mn	"	"	67'-10"	50'-7"	
120 mn	"	"	67'-11"	50'-8"	
150 mn	"	"	68'-0"	50'-9"	
180 mn	"	"	68'-1"	50'-10"	
210 mn	"	"	68'-1"	50'-10"	
240 mn (8 hrs)	"	"	68'-2"	50'-11"	

S.SAE/SAE
Date

Asstt Engr.
Date

M/S. WATER WELL DRILLER'S

For the Contractor
Date

বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
6-E-DTW-XEN-2- Technical paper (P-9)
আটোয়ারী, পঞ্চগড়।

বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI**

PUMP TEST RECORD

(Period : 1 hours)

Page No: 5

150% Discharge

16.2.06

3

0

3

Panchagarh

Date: 16.2.06	Well No : Atwari
Starting Time _____ hrs 17.15 minute, Capacity of Pump _____ cusec	District : Bolorampur
Ref. Mark (Top of Housing) _____ ft. above G.L.	Upazilla : Bolorampur
Static Water Level 106 ft. below top of Housing Pipe.	Union : Old-2878
Size of Orifice _____ inch, Size of Delivery Pipe _____ inch	Mouza : (No-Sinking)
Length of UWC 104' ft, Depth of Pump Setting _____ ft.	J.L No : _____
	Plot No : _____

Time	Piezometric Height (ft)	Discharge (cusec)	Pumping Water Level below Ref. Mark (ft.)	Actual Draw-Down (ft.)	Remarks
1	78	3.00	68'-2"	50'-11"	6
00mn (8hrs.)	"	"	"	"	
01 mn	"	"	"	"	
02 mn	"	"	68'-3"	51'-0"	
03 mn	"	"	"	"	
04 mn	"	"	68'-4"	51'-1"	
05 mn	"	"	"	"	
06 mn	"	"	"	"	
07 mn	"	"	68'-5"	51'-2"	
09 mn	"	"	"	"	
11 mn	"	"	"	"	
13 mn	"	"	68'-5½"	51'-2½"	
15 mn	"	"	"	"	
20 mn	"	"	"	"	
25 mn	"	"	68'-6"	51'-3"	
30mn	"	"	68'-6½"	51'-3½"	
40 mn	"	"	68'-7"	51'-4"	
50 mn					
60 mn (9 hrs)					

S.SAE/SAE

Date

Asstt. Engr.

Date

M/S. WATER WELL DRILLER'S

For the Contractor

Date

বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
6-E-DTW-XEN-2- Technical paper (P-10)

বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAHI

RECOVERY RECORD

(Period : 2.5 hours)

150% Discharge

Page No:6

Date: 16.2.06	Well No :
Starting Time 4 hrs 0 minute, Capacity of Pump 3 cusec	District : Panchagarh
Ref. Mark (Top of Housing) 1'-6" ft. above G.L.	Upazilla : Atwari
Static Water Level 17'-3" ft. below top of Housing Pipe.	Union : Bolorampur
Size of Orifice 6 inch, Size of Delivery Pipe 8 inch	Mouza : Bolorampur
Length of UWC 106 / 104 ft., Depth of Pump Setting 70 ft.	J.L No : old-2875
	Plot No 104(Sin king)

Time	Water Level below Reference Mark (ft.)	Remarks
1	2	3
00mn (9 hrs)	68'-7"	Pumping discontinued
02 mn	20'-9"	
04 mn	20'-3"	
06 mn	19'-10"	
08 mn	19'-6"	
10 mn	19'-2"	
15 mn	18'-11"	
20 mn	18'-8"	
25 mn	18'-5"	
30 mn	18'-3"	
40 mn	18'-1"	
50 mn	17'-11"	
60 mn	17'-9"	
75 mn	17'-8"	
90 mn	17'-7"	
105 mn	17'-6"	
120 mn	17'-5"	
135 mn	17'-4½"	
150 mn (11.5 hours)	17'-4"	

S SAE/SAE
Date **16.2.06**

Asstt. Eng. **সহকারী প্রকৌশলী**
Date **16.2.06**

For the Contractor **MS WATER WELL DRILLER'S**
Date **16.05.07**
PROPRIETOR



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

MULTIPLE STEP TEST
(Period : 4.5 hours)

Page No : 7

Date: 16.2.06	Well No : _____
Starting Time 6 hrs 30 minute, Capacity of Pump 3 cusec	District : Panchagarh
Ref. Mark (Top of Housing) 1'-6" ft. above G.L.	Upazilla : Atwari
Static Water Level 17'-3" ft. below top of Housing Pipe.	Union : Bolorampur
Size of Orifice 6 inch, Size of Delivery Pipe 8 inch	Mouza : Bolorampur
Length of UWC 106 ft, Depth of Pump Setting 70 ft.	J.L No : old-2575
	Plot No : (Re-Sin king)

Time	Piezometric Height (inch)	Discharge (cusec)	Pumping Water Level (ft.)	Actual Draw-Down (ft.)	Remarks
1	2	3	4	5	6
00mn (11.5hrs)	32.5	2.00	-	-	100% Discharge
10 mn	"	"	51'-3"	34'-0"	
20 mn	"	"	51'-6"	34'-3"	
30 mn	"	"	51'-7"	34'-4"	
45 mn	"	"	51'-8"	34'-5"	
60 mn	"	"	51'-8½"	34'-5½"	
90 mn	"	"	51'-9"	34'-6"	
100 mn	53	2.50	59'-10"	42'-7"	125% Discharge
120 mn	"	"	60'-0"	42'-9"	
135 mn	"	"	60'-1"	42'-10"	
150 mn	"	"	60'-1½"	42'-10½"	
180 mn	"	"	60'-2"	42'-11"	
190 mn	78	3.00	67'-9"	50'-6"	150% Discharge
200 mn	"	"	68'-0"	50'-9"	
210mn	"	"	68'-2"	50'-11"	
225 mn	"	"	68'-4"	51'-1"	
240 mn	"	"	68'-5"	51'-2"	
270 mn (16 hrs)	"	"	68'-6"	51'-3"	

SWL : 17'-3" ft.
PWL : 68'-6" ft.
Final discharge 3.00 cusec
Specific Draw Down 17.08 ft/cusec.

SSAE/SAE
Date: **03.06.07**
বিক্রমডিও ইন্ডিয়া প্রাইভেট লিমিটেড
আটোয়ারী, পঞ্চগড়।

Asstt. Engr.
Date: **08.05.09**
(স্বাক্ষর: শিকল ইসলাম)
সহকারী প্রকৌশলী
বিক্রমডিও ইন্ডিয়া-২, আটোয়ারী জেলা
আটোয়ারী, পঞ্চগড়।

For the Contractor
Date: **01.06.07**
Proprietor



Copy for

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAHI

COMPLETION CERTIFICATE OF PUMP HOUSE

Well No : **Panchagarh**
District : **Atwari**
Upazilla : **Bolorampur**
Union : **Bolorampur**
Mouza : **old-2875**
J.L No : **(Re-Sinking)**
Plot No :

Name of Contractor :

M/S. Whater well Drillers.~~M/S. xxxxxxxx~~Date of Starting : **26.02.06**Date of Completion : **30.03.06**

Certified that the contractor has completed the construction work of pump house successfully at the above mentioned site as per specification in accordance with clause-8 of the general specification and special terms & conditions of contract.

Following works have been completed specifically and checked the works personally:

SL. No.	Descriptions of works	Completed (Yes/No.)	Remarks
1.	Plastering work	Yes	
2.	Slab casting	Yes	
3.	Roof casting	xx	
4.	Discharge box	Yes	
5.	White washing	Yes	
6.	Lime tracing/Bitumin emulsion	Yes	
7.	Fitting of door made of wood/metal sheet with proper paint	Yes	
8.	Pump and Engine base	Yes	
9.	RCC beam	Yes	
10.	Ditch filling and Site development	Yes	
11.	Lock & Key supply (2 nos)	Yes	
12.	1" dia hole in the beam ..	Yes	

SSAE/SAE

Date

Asstt Engr.

Date

M/S. WATER WELL DRILLER'S

For the Contractor

Date



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI.**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Pump Installation

1. Well No. : **Panchagar**
2. District : **Atoari**
3. Upazilla : **Bolarampur**
4. Union : **Bolarampur**
5. Mouza : **Old 75**
6. J.L No : **Old 75**
7. Plot No :
8. Total Length of the Tubewell : **203'** **104'** ft. Date : **28.2.06**
9. Length of UWC (Excluding Reducer) : **M/S. Water Well Drillers**
10. Name of Sinking contractor :

VERTICALITY DATA SHEET

Suspension Height (H) **10** ft. Dia of UWC, d_1 **14** inch
Dia of Disc, d_2 **13.5** 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'	1/16	SW	0.125	0.25	0.375
20'	1/16	"	0.187	0.25	0.437
30'	1/16	"	0.25	0.25	0.50
40'	0	"	0	0.25	0.25
50'	0	"	0	0.25	0.25
60'	1/16	"	0.437	0.25	0.687
70'	1/8	"	1.00	0.25	1.25
80'	1/8	"	1.125	0.25	1.375
90'	1/16	"	0.625	0.25	0.875
100'	1/16	"	0.687	0.25	0.937
110'					
120'					

11. Maximum Deviation : **1.375** inch at depth **80** ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto **100** ft. freely in the UWC

SSAH/সহকারী ইক

Date **28.02.06**
বিস্তারিত প্রকৌশলী
বিএমডিও, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

Asstt. Engt.
(সহকারী প্রকৌশল ইক)

Date **28/2/06**
বিএমডিও, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

For the Contractor

Date **M/S. WATER WELL DRILLER'S**

PROPRIETOR



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI.

PUMP AND ENGINE INSTALLATION

Well No :

Name of Contractor :

District : **Panchagar**

Upazilla : **Atwari**

M/S. Water Well Drillers

Union : **Bolarampur**

Mouza : **Bolarampur**

J.L No : **Old 75**

Date of Starting : **28.2.06**

Plot No :

Date of Completion : **01.3.06**

Engine/Motor Type.....	Submersible	Engine/Motor No.	56909
Gear Frame type GP	X	Gear Drive No.	X
Pump Category.....	Sabar	Pump No.	56909
Discharge Head No.	X	Discharge	2.00 Cusec
No. of long column pipe.....	6x10' = 60'-0"	No. of short column pipe	X
Length of suction pipe with bell mouth :	X		
Total length of pump installation.....	66'-0"	Length of discharge pipe.....	10'
Is the engine exhaust pipe fixed and kept out of the pump house : Yes/No.			
Comments, if any :			

SSAE/SAB

Date **03.06.07**

Asstt. Engr.

Date **03.06.07**

For the Contractor

Date **M/S. WATER WELL DRILLER'S**

PROPRIETOR

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বিএমডিও, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, সঞ্চয়।

Engine Model :	
Engine No :	
Engine Hp.	
Spicer shaft No:	
Gear No.:	
Gear Ratio:	
Pump Model:	Saber
Stage of pump :	2 (70)
Depth of Pun Setting...	66 ft.
Static Water Level...	13'-2" ft. below from top of housing pipe



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH
COMMISSIONING/ACCEPTANCE TEST
RECORD I DURATION 6 : HRS**

Well No :	
District	Ranchagar
Upazilla	Aftari
Union	Bolarampur
Mouza	Bolarampur
J.L. No	Old 75
Plot No :	
Date	10.3.07
Starting time..	10 hr.....min

Hrs Run	Time	Hour Meter Reading	R.P.M	Oil press.	Engine Temp. °C	Dis-charge, cusec	Fuel Gauge				Fuel/Electric consumption				Pumping Water Level, ft.	Specific Drawdown, ft./cusec	Remarks
							Start a	stop b	Fuel Used a-b=c	Start d	stop e	Min d-e=f	Litre per hp-hr = f x 60	kwh			
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0 hr.		08697	-	-	-	-	08697	-	Unit	-	-	-	-	-	10'-2"	SWL	
1 hr.		08714	-	-	-	2.00	-	-	17	10.00	-	60	-	-	51'-3"	LWL	
2 hr.		08731	-	-	-	2.00	-	-	17	-	-	60	-	-	51'-7"	"	
3 hr.		08748	-	-	-	2.00	-	-	17	-	-	60	-	-	51'-10"	"	
4 hr.		08765	-	-	-	2.00	-	-	17	-	-	60	-	-	52'-1"	"	
5 hr.		08782	-	-	-	2.00	-	-	17	-	-	60	-	-	52'-3"	"	
6 hr.		08799	-	-	-	2.00	-	08799	17	-	16.00	60	-	-	52'-4 1/2"	17.10	

- Is the exhaust pipe properly fixed & kept out of pump house as per clause of the contract?
- Is the fuel tank properly fixed with the pump house (where applicable)?
- Is the Tubewell reference plaque fixed in the pump house?

Yes/No	
Yes	
Yes	
Yes	

Signature
S SAE/SAFE
Date 10.3.07
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Signature
Asstt. Engineer
Date 10.3.07
Barind Multipurpose Development Authority, Rajshahi

For the Contractor
Date 10.3.07
M/S. WATER WELL DRILLERS
PROPRIETOR



বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ রাজশাহী

গভীর নলকূপ হস্তান্তর করম

আমি পিতা
গ্রাম পোঃ উপজেলা
জেলা এতদ্বারা (সমিতির নাম) গভীর নলকূপ
সমিতির উপজেলার
অধীন ইউনিয়নের মৌজার

জে এল নং দাগে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ কর্তৃক স্থাপিত গভীর নলকূপটি আনুষ্ঠানিক
যন্ত্রপাতিসহ চালু অবস্থায় অদ্য তারিখে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষের নিকট
হইতে বুঝিয়া পাইলাম এবং নলকূপটি রক্ষণাবেক্ষন, গ্রুপ ব্যবস্থাপনা ও বিধি মোতাবেক তত্ত্বাবধানের দায়িত্ব গ্রহণ করিলাম।
আমি গভীর নলকূপটির সার্বিক নিরাপত্তা বিধান করিব এবং যে কোন প্রকার ক্ষয়ক্ষতির জন্য দায়ী থাকিব।

২। বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ গভীর নলকূপটি সেচ কার্যে ব্যবহার ও পরিচালনার বিষয়ে সময়ে সময়ে যে সব
বিধি/নিয়ম/পদ্ধতি প্রবর্তন করিবেন তা আমরা মানিয়া চলিতে বাধ্য থাকিব।

গভীর নলকূপের বিবরণ :

- ১। ইঞ্জিনের/বৈদ্যুতিক মটরের মেক ও মডেল :
- ২। পাম্পের মেক ও মডেল :
- ৩। গিয়ার বক্স নং :
- ৪। কলাম পাইপ : টি, প্রতিটি ফুট
- ৫। ডেলিভারী পাইপ : টি
- ৬। স্পাইসার স্যাফট : টি
- ৭। টুলসের বিবরণ :

- ক)
- খ)
- গ)
- ঘ)
- ঙ)
- চ)
- ছ)

দায়িত্ব গ্রহণকারীর স্বাক্ষর :

নাম ও ঠিকানা :

১। ঠিকাদারের পক্ষে

তারিখ :

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PROPRIETOR

২। বিএমডিএ এর পক্ষে

(মোঃ শাকিল ইসলাম)

তারিখ :

নিউমার্জিত, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চদশ।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI.

CERTIFICATE OF ACCEPTANCE

No.....

Dated.....

Tender No. :- Barind/ Unit-2/Tha-14/03-04

Deep tube well sinking & commissioning.

Name of contractor : M/S. Water Well Drillers

Tue well No. : Old 75

Group No. _____

District : Panchagar

Upazilla : Atwari

Union : Bolarampur

Mouza : Bolarampur

J.L No. :

Plot No. : _____

Date of Acceptance : 10.3.07

We hereby certify in accordance with clause-21 of Special terms & conditions of contract, that the whole of the works at the site of the above tube well only have been completed in accordance with the contract. The period of the above works shall commence from the date of this certificate. The contractor shall execute, during the period of maintenance, all the works ordered in accordance with the contract to be carried out during the said period of maintenance. The issue of this certificate of acceptance does not constitute approval of any work or matter in respect which it is issued and shall not be taken as an admission of due performance to the contract or any part thereof.

[Signature]
নির্বাহী প্রকৌশলী
Executive Engineer
বিএমডিএ, ইউনিট-২
BMDA, Panchagar

Memo No. : 1234

Date : 20.06.07

Circulation :-

1. M/S. (Original copy) Water Well Drillers
2. The Executive Director, BMDA, Rajshahi.
3. The Assistant Engineer, BMDA, Atwari Zone Panchagar

N.B. The certificate is needed during financial sanction of final payment.

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