

BMDA-13

Project:

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

Well No:

District: Punchogar

Upazilla: Atouary

Union: Radanagor

Mouza: Gobindapur

J.L.No: 43

Plot No: 3372

Engineer

Drilling Contractor

Barind Multipurpose
Development AuthorityM/S BuLu Machineries
College Road, Thakurgaon.

DRILLING LOG

Date started 19-02-09 at 07-00 hrs; Date completed 20-02-09 at 09-00 hrs

Logged by Md. Enamul Haque, SAE; Rod length 3.00 M.

Drilling time log

Graphic
log

Thickness (M.)

Description of formation

rod

from

to

from

to

0

7.00

0.000

6.10

Hard clay

6.10

M.S brown

15.24

15.24

M.S with gravels

30.48

30.48

C.S with gravels

42.68

42.68

C.S brown

48.78

48.78

C.S with gravels

51.82

51.82

Stone

18

9.00

(স্বাক্ষর) SAE/SAE (স্বাক্ষর)

Date

০৬.১২.০৯

(স্বাক্ষর) ASST. Engr (স্বাক্ষর)

Date

০৮.১২.০৯

(স্বাক্ষর) For the Contractor

Date

Project :



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY, RAJSHAHI.

Engineer

Barind Multipurpose
Development Authority.

Drilling Contractor

M/S BuLu Machineries
College Road, Thakurgaon.

Well No	:	
District	:	Punchogor
Upazilla	:	Atouary
Union	:	Radanagor
Mouza	:	Gobindapur
J.L No.	:	43
Plot No.	:	3372

CONSTRUCTION DETAILS.

Operation	Started	Completed
Drilling	19.02.09 At 8.00	20.02.09 At 9.00
Casing	20.02.09 At 11.00	20.02.09 At 15.00
Gravel placing	20.02.09 At 15.30	20.02.09 At 18.00
Drilling Diameter	14" / 22" / 24" / 44"	
Housing pipe diameter	14"	(Mild Steel / PVC)

UWC	0.60	M. above G.L.
UWC Including Reducer	29.27	M. below G.L.
Lapping (With Reducer) - 1.65 M.		
LWC (Diameter 08'-0" Inch)		Total Fixture length (M.): 29.87

Depth bellow G.L.	From: 0.00	M. To 0.00	M.	0.00
Lapping	From: 0.00	M. To 0.00	M.	0.00
Screen (Diameter 0'-8" Inch)				0.00

Depth bellow G.L.	From: 29.27	M. To 49.67	M.	20.40
Lapping - 0.60 M.	From: 0.00	M. To 0.00	M.	0.00
Bail plug (Diameter 0'-8" Inch)				20.40
Depth bellow G.L.	From: 49.67	M. To 51.19	M.	1.52

Centralizers				
Depth bellow G.L. At:	49.67, 43.82, 37.97, 32.12, 29.27 M.			
Gravel		Total Number:	5	Nos.

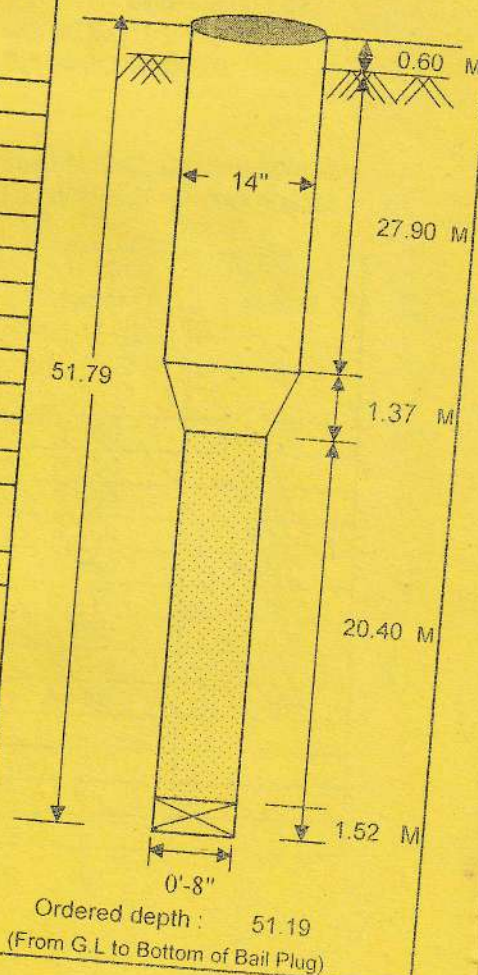
Gravel Quantity (Approximately)				
Depth bellow G.L. At:	From: 0	M. To 11.03	Cum.	52.00
Fixture Length (Excluding lapping of Joint)			Total Quantity:	11.03 Cum.

From up to UWC to bottom of Bail Plug.			Total Fixture length (M.):	51.79 M.
Verticality Test:				
Maximum Deviation:	46.350	MMat	27	M. Depth.

Date:	20.02.09			
From G.L. to Bottom of Bail Plug packing with Gravels				
Material Used:				

Housing (Including Reducer) + Well Screen + Bail Plug =	31.52 M. + 0.00M + 21.00 M. + 1.52 M. = 54.04 M.
Lapping:	1.65 M. + 0.00 + 0.60M + 0.00M. = 2.25 M.

Cross section of the Well.
(Not to scale).



Sr./Sub Assistant Engineer
B.M.D.A. Unit-2
Atouary Zone, Ponchogor

Assistant Engineer
B.M.D.A. Unit-2
Atouary Zone, Ponchogor

For the Contractor
Signature and Stamp



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHSHI

INSPECTION OF VERTICALITY OF THE TUBEWELL

After Shrouding

- 1 Well No:
2 District: Punchagor
3 Upazilla: Atouary
4 Union: Radanagor
5 Mouza: Gobindapur
6 J.L. No: 43
7 Plot No: 3372
8 Total Length of tubewell: 51.79 M.
9 Length of UWC (Excluding Reducer): 28.50M.
10 Name of Sinking Contractor: M/S BULU MACHINERIES,
COLLEGE ROAD, THAKURGAON.
- Date: 20.02.09

Suspension Hight (H) 3.00 M..

Dia of UWC, d1 355.60M.M

Dia of UWC, d2 342.90M.M

Depth in m L	Deviation in mm X	Bearing reading pointing North	Calculated Deviation in mm $\frac{X(L+H)}{D' = H}$	Disc factor $\frac{d1-d2}{C = 2}$	Deviation in mm D= D'+C
3	1	NE	2.000	6.350	8.350
6	0	-	0.000	6.350	6.350
9	0	-	0.000	6.350	6.350
12	2	NE	10.000	6.350	16.350
15	0	-	0.000	6.350	6.350
18	0	-	0.000	6.350	6.350
21	3	NE	24.000	6.350	30.350
24	0	-	0.000	6.350	6.350
27	4	NE	40.000	6.350	46.350
30					
33					
36					
39					

- 11 Maximum Deviation: 46.350MM at depth 27.00 M.
12 Other observation, if any
13 Straightness : Dolly passed upto 28.50M freely in the UWC.

(মোঃ SSAE/SAE) মান্নান
Date: 06.12.09
উপসহকারী প্রকৌশলী
পাটনা, ইন্ডিয়ান-২
আটোমারী জোন, পঞ্চগড়

(জি এফ এম) ইঞ্জিনিয়ার
Asstt. Engr
Date: ০৭.১২.০৯
আটোমারী জোন, পঞ্চগড়

For the Contractor
Date: ০৭.১২.০৯



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAISHSHI**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Shrouding

- 1 Well No:
- 2 District: Punchagor
- 3 Upazilla: Atouary
- 4 Union: Radanagor
- 5 Mouza: Gobindapur
- 6 J.L. No: 43
- 7 Plot No: 3372
- 8 Total Length of tubewell: 51.79 M.
- 9 Length of UWC (Excluding Reducer): 28.50M. Date: 20.02.09
- 10 Name of Sinking Contractor: **M/S BULU MACHINERIES,
COLLEGE ROAD, THAKURGAON.**

Suspension Hight (H) 3.00 M

Dia of UWC, d1 355.60M.M

Dia of UWC, d2 342.90M.M

Depth in m L	Deviation in mm X	Bearing reading pointing North	Calculated Deviation in mm $\frac{X(L+H)}{D' = H}$	Disc factor $\frac{d1-d2}{C = 2}$	Deviation in mm D = D'+C
3	0	-	0	6.350	6.350
6	4	NE	12.000	6.350	18.350
9	0	-	0.000	6.350	6.350
12	0	-	0.000	6.350	6.350
15	4	NE	24.000	6.350	30.350
18	0	-	0.000	6.350	6.350
21	0	-	0.000	6.350	6.350
24	4	NE	36.000	6.350	42.350
27	0	-	0.000	6.350	6.350
30					
33					
36					
39					

- 11 Maximum Deviation: 42.350 M.M at depth 24 M,
- 12 Other observation, if any

(স্বাক্ষরিত)
SSAE/SAE
Date: 06.12.09

(স্বাক্ষরিত)
Asstt. Engr
Date: 20/2/09

(স্বাক্ষরিত)
For the contractor
Date: 20/2/09

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI**

DEVELOPMENT RECORD

(Period: 2 hour)

Page No-1

Date 22/02/09	Well No:
Starting time 08-00 hrs 00 minute, Capacity of pump 0.085 cum/s.	District: Punchogar
Ref. Mark (Top of housing) 0.60..... M. above G.L.	Upazilla: Atouary
Static water Level .. 5.350 M. below top of Housing pipe.	Union: Radanagor
Size of Orifice... 125MM. Size of delivery pipe 150MM	Mouza: Gobindapur
Length of UWC 28.50 M Depth of pump setting 22.25 M	J.L No: 31
	Plot No: 4470

Time	Piezometric Height (mm)	Discharge (cum/s)	Pumping Water Level below Reference Mark(m.)	Actual Draw-Down (m.)	Remarks
00mn (8 hrs)	0	0.000	5.350		50% Discharge 66.310
05 mn	343	0.029	6.823	1.473	
10 mn	343	0.029	6.973	1.623	
15 mn	343	0.029	7.098	1.748	
20 mn	343	0.029	7.198	1.848	
25 mn	343	0.029	7.248	1.898	
30 mn	343	0.029	7.273	1.923	100% Discharge 66.315
35 mn	1346	0.057	8.720	3.370	
40 mn	1346	0.057	8.870	3.520	
45 mn	1346	0.057	8.970	3.620	
50 mn	1346	0.057	9.045	3.695	
55 mn	1346	0.057	9.095	3.745	
60 mn	1346	0.057	9.120	3.770	125% Discharge 66.323
65 mn	1346	0.057	9.130	3.780	
70 mn	2134	0.071	9.784	4.434	
80 mn	2134	0.071	9.959	4.609	
90 mn	2134	0.071	10.059	4.709	
100 mn	2870	0.085	10.638	5.288	150% Discharge 66.329
110 mn	2870	0.085	10.888	5.538	
120 mn (2 hrs)	2870	0.085	10.988	5.638	

1 cusec= 28.32 LPS=0.02832 cum/s

SSAE/SAE
Date 06.12.09

ASST. Engr
Date

For the Contractor
Date

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

RECOVERY RECORD
(Period: 1 hour)

Page No-2

Date: 22/02/09	Well No:
Starting time 10-00 hrs 00 minute,	District: Punchogar
Ref Mark (Top of housing) ... 0.60 M. above G.L.	Upazilla: Atouary
Static water Level 5.350 M below top of Housing pipe.	Union: Radanagor
	Mouza: Gobindapur
	J.L.No: 43
	Plot No: 3372

Time	Water Level below Reference Mark (M.)	Remarks
1	2	3
00 mn (2 hrs)	10.988	
01 mn	6.610	
02 mn	6.160	
03 mn	5.860	
04 mn	5.710	
05 mn	5.610	
07 mn	5.535	
09 mn	5.485	
11 mn	5.460	
13 mn	5.440	
15 mn	5.425	
20 mn	5.405	
25 mn	5.390	
30 mn	5.380	
40 mn	5.365	
50 mn	5.355	
60 mn (3 hours)	5.350	

SSA/SAE
Date: 06.12.09

ASST. Engr
Date: 06.12.09

For the Contractor
Date: 06.12.09



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY

RAJSHAHI

SAND TEST RECORD

(Period: 1 hour)

Page No-3

Date: 22/02/09	Well No:
Starting time 11-00 hrs 00 minute, Capacity of pump 0.085 cum/s	District: Punchogar
Ref. Mark (Top of housing)..... 0.60 M..... above G.L.	Upazilla: Atouary
Static water Level... 5.350 M ... below top of Housing pipe.	Union: Radanagor
Size of Orifice... 125 MM. Size of delivery pipe..... 150 MM	Mouza: Gobindapur
Length of UWC... 28.50 M. Depth of pump setting 22.25 M.	J.L.No: 43
	Plot No: 3372

Time	Pumping Water Level below Reference Mark (M.)	Sand content
1	2	3
00 mn (3 hrs)	5.350	N.B. Accepted sand content after 5 minutes 100ppm and after minutes-30ppm. Observed Result : (a) After 5 minute: 10 ppm (b) After 10 minute: Nil ppm
01 mn	10.150	
02 mn	10.300	
03 mn	10.400	
04 mn	10.475	
05 mn	10.545	
07 mn	10.605	
09 mn	10.660	
11 mn	10.710	
13 mn	10.755	
15 mn	10.795	
20 mn	10.835	
25 mn	10.880	
30 mn	10.886	
40 mn	10.890	
50 mn	10.892	
60 mn (4 hours)	10.894	

06.12.09
 (সি.এস.এম. ইমদাদুল হক)
 ASST. Engr.
 Date: 06.12.09
 (সি.এস.এম. ইমদাদুল হক)

(সি.এস.এম. ইমদাদুল হক)
 ASST. Engr.
 Date: 06.12.09
 (সি.এস.এম. ইমদাদুল হক)

For the Contradictor
 Date: 06.12.09



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAHI

DEVELOPMENT RECORD

(Period: 4 hour)

Discharge

Page No-4

Date: 22/02/09

Starting time 12-00 hrs 00 minute, Capacity of pump 0.085 cum/s

Ref. Mark (Top of housing)..... 0.60 M. above G.L.

Static water Level 5.350 M. below top of Housing pipe.

Size of Orifice 125mm. Size of delivery pipe 150mm

Length of UWC... 28.50 M. Depth of pump setting 22.25 M.

Well No:

District: Punchogar

Upazilla: Atouary

Union: Radanagor

Mouza: Gobindapur

J.L.No: 43

Plot No: 3372

Time	Piezometric Height (M.M)	Discharge (cum/s)	Pumping Water Level below Reference Mark(M.)	Actual Draw-Down (M.)	Remarks
00mn (4 hrs)	2870	0.085	10.894	5.544	Back wash only one time
05 mn	2870	0.085	10.284	4.934	
10 mn	2870	0.085	10.424	5.074	
15 mn	2870	0.085	10.549	5.199	
20 mn	2870	0.085	10.649	5.299	
30 mn	2870	0.085	10.729	5.379	
40 mn	2870	0.085	10.799	5.449	
50 mn	2870	0.085	10.829	5.479	
60 mn	2870	0.085	10.849	5.499	
75 mn	2870	0.085	10.864	5.514	
90 mn	2870	0.085	10.876	5.526	
120 mn	2870	0.085	10.886	5.536	
150 mn	2870	0.085	10.891	5.541	
180 mn	2870	0.085	10.895	5.545	
210 mn	2870	0.085	10.898	5.548	
240 mn (4 hrs)	2870	0.085	10.900	5.550	

[Signature]
06.12.09

[Signature]
22/2/09

ASST. Engr

Date

[Signature]
For the Contractor
Date 22/2/09

RAJIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

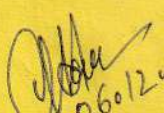
PUMP TEST RECORD

(Period: 1 hour)
150% Discharge

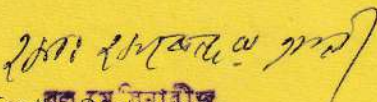
Page No-5

Date: 22/02/09 Starting time 16 hrs 00 minute, Capacity of pump 0.085 cum/s Ref. Mark (Top of housing) 0.60 M above G.L. Static water Level 5.350 M below top of Housing pipe. Size of Orifice 125mm Size of delivery pipe 150mm Length of UWC 28.50 M Depth of pump setting 22.25 M.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Well No:</td><td></td></tr> <tr><td>District:</td><td>Punchogar</td></tr> <tr><td>Upazilla:</td><td>Afouary</td></tr> <tr><td>Union:</td><td>Radanagor</td></tr> <tr><td>Mouza:</td><td>Gobindapur</td></tr> <tr><td>J.L.No:</td><td>43</td></tr> <tr><td>Plot No:</td><td>3372</td></tr> </table>	Well No:		District:	Punchogar	Upazilla:	Afouary	Union:	Radanagor	Mouza:	Gobindapur	J.L.No:	43	Plot No:	3372
Well No:															
District:	Punchogar														
Upazilla:	Afouary														
Union:	Radanagor														
Mouza:	Gobindapur														
J.L.No:	43														
Plot No:	3372														

Time	Piezometric Height (M)	Discharge (cusec)	Pumping Water Level below Reference Mark(M.)	Actual Draw-Down (M.)	Remarks
00mn (8 hrs)	2870	0.085	10.900	5.550	
01 mn	2870	0.085	10.900	5.550	
02 mn	2870	0.085	10.900	5.550	
03 mn	2870	0.085	10.900	5.550	
04 mn	2870	0.085	10.900	5.550	
05 mn	2870	0.085	10.900	5.550	
06 mn	2870	0.085	10.900	5.550	
07 mn	2870	0.085	10.900	5.550	
09 mn	2870	0.085	10.900	5.550	
11 mn	2870	0.085	10.900	5.550	
13 mn	2870	0.085	10.900	5.550	
15 mn	2870	0.085	10.900	5.550	
20 mn	2870	0.085	10.900	5.550	
25 mn	2870	0.085	10.900	5.550	
30 mn	2870	0.085	10.900	5.550	
40 mn	2870	0.085	10.900	5.550	
50 mn	2870	0.085	10.900	5.550	
60 mn (9 hrs)	2870	0.085	10.900	5.550	


 06/12/09
 (মোঃ সাইদুল হক মাসুদ)
 S.S.A. / S.A.E.
 পঞ্চগড় জেলা পানি সরবরাহ প্রকল্প
 পি.এম.ইউ.এ. ইকুইটি-২
 খাটোয়ারী জোন, পঞ্চগড়।


 27/2/09
 (জি এম এম ইব্রাহিম ইব্রাহিম)
 ASST. Engr.
 পঞ্চগড় জেলা পানি সরবরাহ প্রকল্প
 পি.এম.ইউ.এ. ইকুইটি-২
 খাটোয়ারী জোন, পঞ্চগড়।


 For the Contractor
 Date: 27/2/09

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAHI

RECOVERY RECORD (Period: 2.5 hourS) 150% Discharge

Page No-6

Date: 22/02/09

Starting time 17 hrs 00 minute, Capacity of pump 0.085 cum/s

Ref. Mark (Top of housing) 0.60 M above G.L.

Static water Level 5.350 M below top of Housing pipe.

Size of Orifice 125mm Size of delivery pipe 150mm

Length of UWC 28.50 M Depth of pump setting 22.25 M.

Well No:

District: Punchogar

Upazilla: Atouary

Union: Radanagor

Mouza: Gobindapur

J.L.No: 43

Plot No: 3372

Time	Water Level below Reference Mark (M.)	Remarks
1	2	3
00 mn (9 hrs)	10.900	Pumping discontinued
02 mn		
04 mn	6.155	
06 mn	5.705	
08 mn	5.567	
10 mn	5.505	
15 mn	5.467	
20 mn	5.420	
25 mn	5.400	
30 mn	5.385	
40 mn	5.375	
50 mn	5.360	
60 mn	5.350	
75 mn	5.350	
90 mn	5.350	
105 mn	5.350	
120 mn	5.350	
135 mn	5.350	
150 mn (1.5 hours)	5.350	

(স্বাক্ষরিত)
SSAE/SAE
Date: 06.12.09

ASST. Engr.
Date: 06.12.09

For the Contractor
Date: 06.12.09

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

MULTIPLE STEP TEST
(Period: 4.5 hour)

Page No-7

Date: 22/02/09	Well No:
Starting time 12 hrs 50 minute. Capacity of pump 0.085 cum/s	District: Punchogar
Ref. Mark (Top of housing) 0.60 M. above G.L.	Upazilla: Atouary
Static water Level ... 5.350 M. below top of Housing pipe.	Union: Radanagor
Size of Orifice 125mm. Size of delivery pipe 150mm	Mouza: Gobindapur
Length of UWC... 28.50 M. Depth of pump setting 22.25 M.	J.L No: 43
	Plot No: 3372

Time	Piezometric Height (M)	Discharge (cusec)	Pumping Water Level below Reference Mark(M.)	Actual Draw-Down (M.)	Remarks
00mn (11.5 hrs)	0.000	0.000	5.35	0.000	100% Discharge
05 mn	1346	0.057	8.858	3.508	
10 mn	1346	0.057	8.948	3.598	
20 mn	1346	0.057	8.993	3.643	
30 mn	1346	0.057	9.028	3.678	
45 mn	1346	0.057	9.048	3.698	
60 mn	1346	0.057	9.058	3.708	
90 mn	1346	0.057	9.063	3.713	
100 mn	2134	0.071	9.771	4.421	125% Discharge
120 mn	2134	0.071	9.871	4.521	
135 mn	2134	0.071	9.941	4.591	
150 mn	2134	0.071	9.966	4.616	
180 mn	2134	0.071	9.976	4.626	
190 mn	2870	0.085	10.575	5.225	150% Discharge
200 mn	2870	0.085	10.690	5.340	
210 mn	2870	0.085	10.790	5.440	
225 mn	2870	0.085	10.850	5.500	
240 mn	2870	0.085	10.880	5.530	
270 mn (16 hrs)	2870	0.085	10.890	5.540	

SWL: 5.350 M
 PWL: 10.890 M
 Final discharge: 0.085 Cum/s
 Specific Draw Down: 65.176 M/Cum/s

[Signature]
 06.12.09
 (SSAE/SAL)
 Date

[Signature]
 22/2/09
 (ASST. Engr. (Electrical))
 Date

[Signature]
 For the Controller
 Date



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHSHI

COMPLETION CERTIFICATE OF PUMP HOUSE

Well No :

Name of Contractor:

District : -Punchogar

M/S BuLu Machineries

Upzilla :-Atouary

College Road, Thakurgaon.

Union : -Radanagor

Mouza : -Gobindapur

J.L. No : -43

Date of Starting:25-02-09

Plot No : -3372

Date of Completion: 10-03-09

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 and special conditions of contract.

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

Sl. No	Description of works	Completed (Yes/No)	Remarks
1.	Plastering work	Yes	1½" dia hock used in R.C.C beam.
2.	Slab casting	Yes	
3.	Roof casting	Yes	
4.	Discharge box	No	
5.	White washing	Yes	
6.	Lime tracing/Bitumen emulsion	Yes	
7.	Fitting of door made of metal sheet with proper paint	Yes	
8.	Pump base	Yes	
9.	RCC beam	Yes	
10.	Ditch filling and site development	Yes	
11.	Lock & Key Supply (1 No)	Yes	

SSAE/SAE
Date: 06.12.09

Asstt. Engr.
Date: 02/12/09

For the contractor
Date: 10.03.09



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHSHI

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before pump Installation

- 1 Well No:
- 2 District: Punchogar
- 3 Upazilla: Atouary
- 4 Union: Radanagor
- 5 Mouza: Gobindapur
- 6 J.L. No: 43
- 7 Plot No: 3372
- 8 Total Length of tubewell: 51.79 M.
- 9 Length of UWC (Excluding Reducer): 28.50M. Date: 12/9/2009
- 10 Name of Sinking Contractor: **M/S BULU MACHINERIES,**
COLLEGE ROAD, THAKURGAON.

Suspension Hight (H) 3.00 M..

Dia of UWC, d1 355.60M.M

Dia of UWC, d2 342.90M.M

Depth in m L	Deviation in mm X	Bearing reading pointing North	Calculated Deviation in mm $\frac{X(L+H)}{D' = H}$	Disc factor $\frac{d1-d2}{C = 2}$	Deviation in mm D= D'+C
3	1	NE	2.000	6.350	8.350
6	0	-	0.000	6.350	6.350
9	0	-	0.000	6.350	6.350
12	2	NE	10.000	6.350	16.350
15	0	-	0.000	6.350	6.350
18	0	-	0.000	6.350	6.350
21	3	NE	24.000	6.350	30.350
24	0	-	0.000	6.350	6.350
27	4	NE	40.000	6.350	46.350
30					
33					
36					
39					

- 11 Maximum Deviation: 46.350MM at depth 27.00 M.
- 12 Other observation, if any
- 13 Straightness : Dolly passed upto 28.50 M freely in the UWC.

[Signature]
06.12.09
(স্বাক্ষর) SSAE/SAE
Date: 06.12.09

[Signature]
27/12/09
Asstt. Engr. সুনু ইমদাম
Date: 27/12/09

[Signature]
For the contractor.
Date: 27/12/09



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

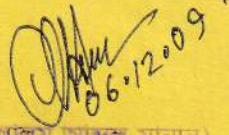
PUMP AND ENGINE INSTALLATION

1 Well No :
2 District : Punchogar
3 Upzilla : Atouary
4 Union : Radanagor
5 Mouza : Gobidapur
6 J.L. No : 43
7 Plot No : 3372

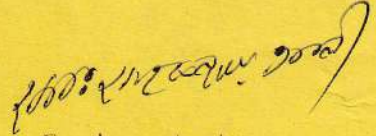
Name of Contractor: M/S Bulu Machineries.
College road, Thakurgaon.

Date of starting: 12/09/09
Date of completion: 12/09/09

Engine/Motor Type.....x.....	Engine/Motor No.....x.....
Gear Frame type GP.....x.....	Gear Drive No.....x.....
Pump Category.....SUB-MERSEBLE (Tainbo).....	Pump No- 08093 -- Discharge head No
.....x.....	Discharge..... 2 Cusec 65' Head
No. of long column pipe7x10=70'.....	No. of short column pipe...x.....
Length of suction pipe with bell mouth:.....x.....	
Total length of pump installation70'.....	Length of discharge pipe ..7'-00"
Is the engine exhaust pipe fixed and kept out of the pump house : Yes/No.....Yes.	
Comments, if any: Reference plaque has been properly fixed in the pump house.	


SSAB/SAE
Date: 06.12.09
(মোঃ আব্দুল আজিজ মাল্লান)
উপসহকারী প্রকৌশলী
বি.এ.সি.ই. ইউনিট-২
আটোয়ারী জোন, পঞ্চগড়।


Asstt. Eng. Senuel Islam
সহকারী প্রকৌশলী
Date: 06.12.09
(আটোয়ারী জোন, পঞ্চগড়।)


For the contractor
বুলু মেশিনারীজ
Date: 12/09/09



Engine Model: Submersible motor
Engine No: Motor no-08093
Engine Hp: 20
Spicer shaft No.: x
Gear No.: x
Gear Ratio: x
Pump Model : Submersible
Stage of pump: one
Depth of Pump Setting... 21.34 M
Static Water Level 4.810 M. below from top of housing pipe

Baring Multipurpose Development Authority

RAJSHAHI

COMMISSIONING/Acceptance Test

RECORD: DURATION 6: HRS

Well No :	
District :	Punchogar.
Upzilla :	Atouary
Union :	Radanagor
Mouza :	Gobindapur
J.L. No :	43
Plot No :	3372

Q. 11

Date: ~~16-09-09~~ 26.11.09

Starting time 10 hr 00.min

Time		R.P. M	Oil press	Engine Temp. °C	Dis- Charge. LPS (Cum/s)	Fuel Gauge			Fuel/Electric consumption					Pumping Water Level. M	Specific Drawdown, M/cum/s	Remarks
Hrs Run	Hour Meter Reading KWH					Start a	stop b	Fuel Used a- b=c	Start	d stop	e Min.	d- e=f	litre per hp-hr = $\frac{c \times 60}{f \times hp}$			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
00 hr	00000	-	-	-	0.071	-	-	-	10.00	-	-	-	0	4.810	-	-
1hr	00018	-	-	-	0.071	-	-	-	10.00	11.00	60	-	18	9.404	-	-
2hr	00036	-	-	-	0.071	-	-	-	11.00	12.00	60	-	18	9.419	-	-
3hr	00054	-	-	-	0.071	-	-	-	12.00	13.00	60	-	18	9.429	-	-
4hr	00072	-	-	-	0.071	-	-	-	13.00	14.00	60	-	18	9.434	-	-
5hr	00090	-	-	-	0.071	-	-	-	14.00	15.00	60	-	18	9.436	-	-
00 hr	00108	-	-	-	0.071	-	-	-	15.00	16.00	60	-	18	9.437	02.109	-

1. Is the exhaust pipe properly fixed & kept out of pump house as per clause of the contract ?
2. Is the fuel tank properly fixed with the pump house (where applicable)
3. Is the tube well reference plaque fixed in the pump house ?

[Handwritten signature]

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九
十

10/1/92
Asst. Engr.
Date

Quæ in præf. libell.

For the Minister for
Education, Government of India



বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ রাজশাহী

গভীর নলকূপ হস্তান্তর ফরম

আমি সহকারী প্রকৌশলী, বিএমডিএ, ইউনিট-২, আটোয়ারী জোন, পোঃ আটোয়ারী, উপজেলাঃ আটোয়ারী জেলাঃ
পঞ্চগড়.....এতদ্বারা (সমিতির নাম), গোবিন্দপুর গভীর নলকূপ..... সমিতির আটোয়ারী
উপজেলার বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষের অধীন
.....রাধানগর.....ইউনিয়নের গোবিন্দপুর.....মৌজার
জেএলনং৪৩.....দাগনং৩৩৭২.....এ বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ কর্তৃক স্থাপিত গভীর নলকূপটি আনুষঙ্গিক
যন্ত্রপাতিসহ চালু অবস্থায় অদ্য ২৬/১১/০৯ ইং তারিখে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষের নিকট হইতে বুঝিয়া পাইলাম এবং নলকূপটির
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 নলকূপটির সেচ কার্যে ব্যবহার ও পরিচালনার বিষয়ে সময়ে সময়ে যে সব
বিধি/নিয়ম/পদ্ধতি প্রবর্তন করবেন তা আমরা মানিয়া চলিতে বাধ্য থাকিব।

গভীর নলকূপের বিবরণ :

- ১। ইঞ্জিনের/বেদ্যুতিক মটরের মেক ও মডেল : সাবমারসিবল মটর (তায়ানবো)
- ২। পাম্পের মেক ও মডেল : ...সাবমারসিবল পাম্প ৬৫' হেড।
- ৩। গিয়ার বক্স নং :
- ৪। কলাম পাইপ : ...০৭ টি, প্রতিটি ...১০'.. ফুট
- ৫। ডেলিভারী পাইপ :০১..... টি
- ৬। স্পাইসার স্যাফট : টি
- ৭। টুলসের বিবরণ :

- ক) ওয়্যারিং বোর্ড (২০ অংশশক্তির স্ট্যাটার-১টি, ১০০ এম্পিয়ার মেইন সুইচ-১ টি সহ) ১ টি।
- খ) ৯০° বেড (সোল প্লেটসহ) ১টি।
- গ) ৬" সাসপেনশন ক্রাম্প-১(এক) জোড়া।

দায়িত্ব গ্রহণকারীর স্বাক্ষর :
নাম ও ঠিকানা :
বিএমডিএ, ইউনিট-২
আটোয়ারী জোন, পঞ্চগড়।

১।

ঠিকাদারের পক্ষে

তারিখ :
কলকাতা, ২৬/১১/০৯

২।

বিএমডিএ এর পক্ষে (স্বাক্ষর)

তারিখ :
আটোয়ারী জোন, পঞ্চগড়।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI.

CERTIFICATE OF ACCEPTANCE

No.....
Dated.....

Tender No: Barind/Unit-2/SE:/Tha-09/08-09 Deep tube well sinking & Commissioning.

Name of contractor: M/S Bulu Machineries. College road, Thakurgaon..

Tube well No:

Group No: Puncho-03

District: Punchogar

Upazilla: Atouary

Union: Radanagor

Mouza: Gobindapur

J.L No: 43

plot No: 3372

Date of acceptance: 16/09/09

We hereby certify in accordance with clause-19 of the general and Special condition 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 at 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.

Executive Engineer
BMDA.....

Memo No:

Date:

Circulation:

1. M/S (original copy): M/S Bulu Machineries. College road, Thakurgaon.
2. The Executive Director, BMDA, Rajshahi.
3. The Assistant Engineer, BMDA. Atouary Zone, Punchogar.

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



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI**

CERTIFICATE OF COMPLETION

Tender No: Barind/Unit-2/SE:/Tha-09/08-09

Deep Tube well sinking & commissioning

Name of contractor: M/S Bulu Machineries. College road, Thakurgaon.

Tube well No:

Group No: Puncho-03

District: Punchogar

Upazilla: Atouary

Union: Radanagor

Mouza: Gobindapur

J.L No: 43

plot No: 3372

We hereby certify in accordance with clause-30 of the special terms & conditions of contract, that the works at the site of the above tube well have been completed and maintained to our satisfaction.

Executive Director
Barind Multipurpose Development Authority
Rajshahi.

Memo No.

Date.....

1. M/S . (Original copy): M/S Bulu Machineries. College road, Thakurgaon.
2. The Executive Engineer, BMDA, Unit-2, Punchogar Region, Punchogar.
3. The Assistant Engineer, BMDA, Unit-2, Atouary Zone, Punchogar.

N.B. Security money will be released only after issuance of this CERTIFICATE OF COMPLETION.