

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH.

District : Palchagore

Upazilla : Autorgary

Union : Balrampur

Mouza : Dhuadu

J.L. No : 52

Plot No : 256

Engineer

Drilling Contractor

Barind Multipurpose
Development Authority

A. KALAM ENTERPRISE.

DRILLING LOG

Date started 8/27/07 7.00 hrs; Date completed 8/27/07 19.00 hrs.
 Logged by S.A.B.

Logged by S.A.F. hrs, Date completed 07/07/07 19.00 hrs.
Drilling time log 6.11; Rod length 10 ft

Drilling time log

Graphic
log

Thickness (ft.)

Description of formation

rod

from

10

from

to

2

7.00

Abstract

Q

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Clay

7.5

M.S. Grey

Course sand Gray
with pee gravels

22

19.00

30 (1)

210

290

220

Слау

SSAE/SAE

Date _____

Asstt. Engr. (इसका नाम)

Date _____

For the Contractor

Date _____

Proprietor



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL.

1. Well No. :
2. District : Porcnaagore
3. Upazilla : Autary
4. Union : Balarampur
5. Mouza : Dnushu
6. J.L. No. : 52
7. Plot No. : 256

Before Pump Installation

8. Total Length of the Tubewell : 209'-4"
9. Length of UWC (Excluding Reducer) 110' ft.
10. Name of Sinking Contractor : Kit Enterprise.

Date : 28/7/2007.

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'	0	0	-		
20'	0	0	-	.25	.25
30'	0	0	-	.25	.25
40'	1/8	N	-	.25	.25
50'	1/8	-	.82	.25	.87
60'	1/8	-	.75	.25	1.00
70'	1/8	-	.87	.25	1.12
80'	1/8	-	1.00	.25	1.25
90'	1/8	-	1.12	.25	1.37
100'	1/16	-	1.25	.25	1.50
110'			.68	.25	.93
120'					

11. Maximum Deviation : 1.5 inch at depth 90 ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto 100' ft. freely in the UWC

SSAE/SAE

Date 28/7/08

Asstt. Engineer (Barind)

Date 28/7/08

বিরমডিগ্র. ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

For the Contractor

Date 28/7/08 **ENTERPRISE**

M.A.
Proprietor

C-7-BMDA2-252 (23)

উপ-সহকারী প্রকৌশলী
বিরমডিগ্র. ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

PUMP AND ENGINE INSTALLATION

Well No :
District : **Panchagore**
Upazilla : **Autoary**
Union : **Balarampur**
Mouza : **Dhushu**
J.L. No : **52**
Plot No : **256**

Name of Contractor :

R. H. Enterprise.

Date of Starting : **28.7.07**

Date of Completion : **28.7.07**

Engine Type	CHINA	Engine No.	-
Gear Frame type GP	-	Gear Drive No.	-
Pump Category	Submersible-60 H.	Pump No.	
Discharge Head No.	-		
No. of long column pipe	6x10'	No. of short column pipe	
Length of suction pipe with bell mouth :	-		
Total length of pump installation	64'	Length of discharge pipe	1 No.
Is the engine exhaust pipe fixed and kept out of the pump house : Yes/No.			
Comments, if any :			

SSAE/SAE

Date

Asstt Engr

Date

For the Contractor

Date

R. H. ENTERPRISE

M. A.

Proprietor

C-3/BA/DA-003(P-2)

সো. এনামুল হক
উপ.সহকারী প্রকৌশলী
বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

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

Engine Model:	
Engine No:	
Engine Hp:	25
Spicer shaft No:	
Gear No:	
Gear Ratio:	
Pump Model:	Ultra Submersible
Stage of pump:	2 (Two)
Depth of Pump Setting:	55' ft.
Static Water Level:	14' ft.
below from top of housing pipe	

BARING MULTIPURPOSE DEVELOPMENT AUTHORITY
RAUSHAH
COMMISSIONING ACCEPTANCE TEST
RECORD : DURATION 6 : HRS



Well No	
District	Perculagya
Upazilla	Autuary
Union	Belarampur
Mouza	Dhushu
J.L. No	52
Plot No	256
Date	18.02.08
Starting time	08 hr 00 min

Hrs Run	Time	Hour Meter Reading	R.P.M.	Oil press.	Engine Temp. °C	Dis-charge cuase	Fuel consumption				Pumping Water Level	Specific Draw down ft. cuase	Rem-arks
							Start	stop	Fuel consumed	Start	Stop	Time	
0 hr.	00017	2	3	4	5	6	7	8	9	10	11	12	13
1 hr.													14'-0" S.W.L.
2 hr.						2			22	8.00		50	39'-4 1/2"
3 hr.						"			"				39'-5"
4 hr.						"			"				39'-7 1/2"
5 hr.						"			"				39'-8 1/2"
6 hr.						"			"				39'-9"
0 hr.	00017								00149	"	14.00	"	39'-9 1/2" 12.89 ft + /cuase.

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 Tubewell reference plaque fixed in the pump house?

Test prepaid meter
VH Enterprises
Vest No-005003000559

S SAE/SAE
Date 18/02/08
C-10-BM12A3200-1191 হক
উপ-সহকারী প্রকৌশলী
বাংলাদেশ ইলেক্ট্রিক্যাল অ্যান্ড মেকানিক্যাল ইঞ্জিনিয়ারিং সন্থ।

(স্বাক্ষর) 18/02/08
সহকারী প্রকৌশলী
আবু হাশিম আলী
সহকারী প্রকৌশলী

For the Contractor
Date

RAUSHAH
M-A

Yes No	
-	
Yes.	



বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ
রাজশাহী
গভীর নলকূপ হস্তান্তর ফরম

গ্রাম B.M.D.A. Porchagore Zone.
গ্রাম Balarampur পোঃ Balarampur উপজেলা Autoary জেলা
Porchagore এতদ্বারা (সমিতির নাম) Dhuslu গভীর নলকূপ
সমিতির Autoary উপজেলার
অধীন Balarampur তৎনিয়ন্ত্রণ Dhuslu মৌজার 256

জে এল 52 নং দাগে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ কর্তৃক স্থাপিত গভীর নলকূপটি আনুসঙ্গিক যন্ত্রপাতিসহ চালু অবস্থায় অদ্য তারিখে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষের নিকট হইতে বুঝিয়া পাইলাম এবং নলকূপটি রক্ষণাবেক্ষণ, গ্রাউপ ব্যবস্থাপনা ও বিনামূলি মোড়ানোয় তত্ত্বাবধানের দায়িত্ব গ্রহণ করিলাম। আমি গভীর নলকূপটির সার্বিক নিরাপত্তা বিধান করিব এবং যে কোন প্রকার ক্ষতি হইলে দায়ী থাকিব।

১। বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ গভীর নলকূপটি যেহেতু নানাবিধ ও পরিচালনার বিষয়ে সময়ে সময়ে যে সব বিধি/নিয়ম/প্রকৃতি প্রবর্তন করিবেন তা আমরা মানিয়া চলিতে বাধ্য থাকিব।

গভীর নলকূপের বিবরণ :

- ১। ইঞ্জিনের/বৈদ্যুতিক মটরের মেক ও মডেল : China
- ২। পাশের মেক ও মডেল : Submersible 60'H.
- ৩। গিয়ার বক্স নং :
- ৪। ডেলিভারী পাইপ : 1 Nos.
- ৫। স্টাইসার স্যাফট :
- ৬। টুলসের বিবরণ :

- ক) Starter.
- খ) Main Switch.
- গ) etc.
- ঘ)
- ঙ)
- চ)
- ছ)

দায়িত্ব গ্রহণকারীর স্বাক্ষর :
নাম ও ঠিকানা :
সি.এম.ডি.এ. ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

১। ঠিকাদানের পক্ষে K.L. ENTERPRISE
তারিখ :
S-BAIDA 1-319
Proprietor

২। সিএমডিএ এর পক্ষে :
তারিখ :
সিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।



Project :
BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

Well No. :
 District : **Barisal**
 Thana : **Autoary**
 Union : **Barampur**
 Mouza : **Dhushu**
 J.L. No. : **52**
 Plot No. : **256**
CONSTRUCTIONS DETAILS

Engineer :

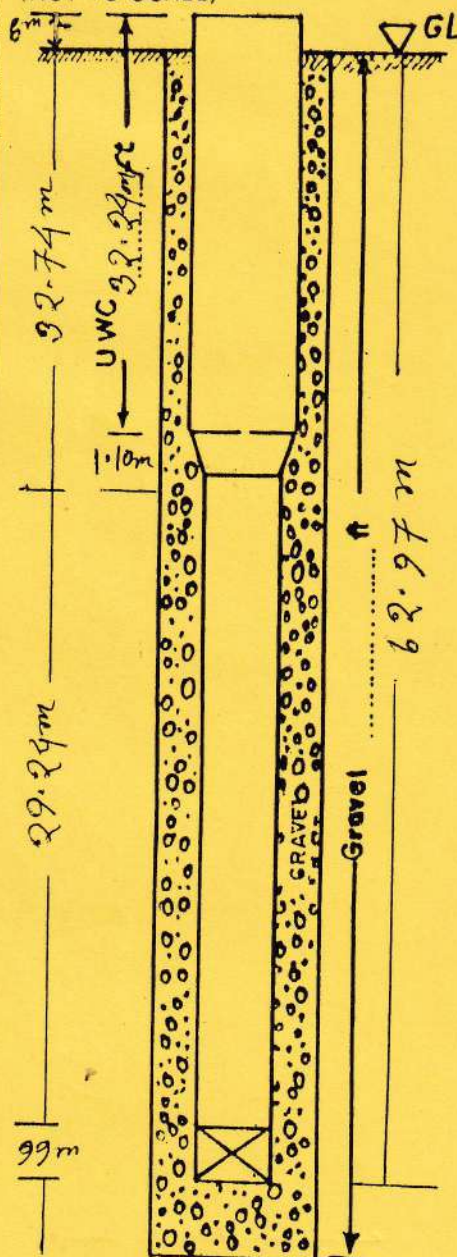
BARIND MULTIPURPOSE
 DEVELOPMENT AUTHORITY

Drilling Contractor :

A. KAMAL

Operation	Date	Started	Date	Completed
Drilling	8/2/07	1.00 HRS	8.2.07	9.10 HRS
Casing				
Gravel Placing	-10-	21.00 HRS	-10-	22.00 HRS
Drilling diameter 22" / 24" / 44"				
Housing Pipe (Dia 14") mild steel				
UWC (incl. Reducer) 32.14M. ft. below GL				
Lapping 1.5M. Total length [ft] 3.34M.				
L.W.C. (Dia inch) mild steel				
Depth below GL				
From to Length [ft]				
From to				
Total length [ft]				
Screen (8) inch slot, stainless steel/FG Dia 6"/8"/14"				
Depth below GL From 32.74M to 61.98M Length [ft] 29.24M				
From to				
Lapping .75M Total length [ft] 29.24M				
Bailplug (Dia. B...")				
Depth below GL From 61.98M to 62.97M .99M				
Centralizers Lapping 6M.				
Depth below GL at				
2/32/152/172/182/102/208M.				
Total Numbers 1				
Gravel				
Gravel quantity (approx) 15.230um cft.				
Depth below GL From GL to 210M Length [ft] 15.230ft				
Fixture length				
from top of UWC to bottom of Bail plug				
ft.				
Verticality test				
max. deviation 1.5 inch at 90				
Depth				
Date 08/02/2007				
Material used: 1/2" x 1/2" x 1/2" reducer + screen + bail plug				
= 34.64 + 30 + .99 = 65.63M. Lapping = 1.5 + .75 = 2.26M.				

Cross Section of the well
 (NOT TO SCALE)



Ordered depth 62.97M.
 (From GL to Bottom of Bail plug)

SAE/Sr. SAE

Date :

Asslt. Engineer

Date :

For the Contractor

Date :



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Shrouding

1. Well No. :
2. District : **Panchagora**
3. Upazilla : **Autoary**
4. Union : **Balrampur**
5. Mouza : **Dhushu**
6. J.L. No. : **52**
7. Plot No. : **256**
8. Total Length of the Tubewell : **209'-4"**
9. Length of UWC (Excluding Reducer) **110'-0"** ft. Date : **8/2/2007**
10. Name of Sinking Contractor : **A. Kalam Enterprise.**

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		.12	.25	.37
20'	1/16		.18	.25	.43
30'	1/16		.25	.25	.50
40'	1/16		.31	.25	.56
50'	1/8		.45	.25	1.00
60'	1/8		.67	.25	1.12
70'	1/8		1.00	.25	1.25
80'	1/16		.56	.25	.81
90'	1/16		.62	.25	.87
100'	1/16		.68	.25	.93
110'					
120'					

11. Maximum Deviation : **1.25** inch at depth **70** ft.

12. Other observation, if any :

SSAE/SAE

Date **৮/২/০৭**

Asstt. Engr. **সহকারী প্রকৌশলী**

Date **৮/২/০৭**

For the Contractor **কনট্রাক্টর**

Date **৮/২/০৭**
Proprietor



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

After Shrouding

1. Well No. :
2. District : Tanahagore
3. Upazilla : Antyary
4. Union : Balarampur
5. Mouza : Dhushu
6. J.L. No. : 52
7. Plot No. : 256
8. Total Length of the Tubewell : 203'-4"
9. Length of UWC (Excluding Reducer) : 110' ft. Date : 8/2/2007
10. Name of Sinking Contractor : A. Salam Enterprise.

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'	0	0	-	.25	.25
20'	0	0	-	.25	.25
30'	0	-	-	.25	.25
40'	1/8	1	.82	.25	.87
50'	1/8	-	.75	.25	1.00
60'	1/8	-	.87	.25	1.12
70'	1/8	-	1.00	.25	1.25
80'	1/8	-	1.2	.25	1.37
90'	1/8	-	1.25	.25	1.50
100'	1/16	-	.63	.25	.93
110'					
120'					

11. Maximum Deviation : 1.5 inch at depth 90' ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto 100' ft. freely in the UWC.

SSAE/SAE

Date

Assit. Engr.

Date

For the Contractor

Date

Proprietor

সেং এনাথুল হক
C-7-DK11DA2 ২৫২১৮-কৌশলী
বিএমডিএ, বটো-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চদণ্ড।

সিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চদণ্ড।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

DEVELOPMENT RECORD (Period : 2 hour)

Page No : 1

Date: <u>9/2/2007</u>		Well No : _____	
Starting Time <u>8.00</u> hrs <u>00</u> minute, Capacity of Pump <u>5</u> cusec		District : <u>Fanchagora</u>	
Ref. Mark (Top of Housing) <u>2</u> ft. above G.L.		Upazilla : <u>Autoary</u>	
Static Water Level <u>12</u> ft. below top of Housing Pipe.		Union : <u>Balarampur</u>	
Size of Orifice <u>5</u> inch, Size of Delivery Pipe <u>6</u> inch		Mouza : <u>Dhushu</u>	
Length of UWC <u>110</u> ft, Depth of Pump Setting <u>60</u> ft.		J.L. No. : <u>52</u>	
		Plot No. : <u>256</u>	

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)					50% Discharge
05 mn	13.5	1.02	23'-3"	11'-3"	
10 mn			23'-7"	11'-7"	
15 mn			23'-10"	11'-10"	
20 mn			24'-0"	12'-0"	
25 mn			24'-1"	12'-1"	
30 mn			24'-2"	12'-2"	
35 mn	53"	2.00	34'-11"	22'-11"	100% Discharge
40 mn			35'-2"	23'-2"	
45 mn			35'-4"	23'-4"	
50 mn			35'-6"	23'-6"	
55 mn			35'-7 1/2"	23'-7 1/2"	
60 mn			35'-8 1/2"	23'-8 1/2"	
65 mn			35'-9"	23'-9"	
70mn	84	2.5	41'-5"	29'-5"	125% Discharge
80 mn			41'-7"	29'-7"	
90 mn			41'-7 1/2"	29'-7 1/2"	
100 mn	113	3.00	47'-3"	35'-3"	150% Discharge
110 mn			47'-4 1/2"	35'-4 1/2"	
120 mn (2 hrs.)			47'-5"	35'-5"	

1 cusec = 28.32 LPS.

S SAE/SAE

Date ৯/২/০৭
এস.এস.এ. প্রকৌশলী
১০০-৩৮৮০২-১৪ (৪-২) বারি জোন
আ.টা.দারী, পঞ্চগড়।

Asstt. Engr.
 Date ৯/২/০৭
সহকারী প্রকৌশলী
বি.এম.ডি.ই.ইউ.২, আ.টা.দারী জোন
আ.টা.দারী, পঞ্চগড়।

For the Contractor
 Date ৯/২/০৭
PRPRISE
Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

RECOVERY RECORD (Period : 1 hour)

Page No : 2

Date: 9/2/2007	Starting Time	10	hrs	-	00	Minute	Well No	
	Ref. Mark (Top of Housing)	2				ft. above G.L.	District	Panchagore
	Static Water Level	2				ft. below top of Housing Pipe.	Upazilla	Autoary
							Union	Balarampur
							Mouza	Dhusnu
							I.L. No	52
							Plot No	256

Time	Water Level below Reference Mark (ft.)	Remarks
00mn		
(2 hrs)	47'-5"	
01 mn	18'-10"	
02 mn	17'-8"	
03 mn	16'-0"	
04 mn	15'-6"	
05 mn	15'-0"	
07 mn	14'-8"	
09 mn	14'-5"	
11 mn	14'-2"	
13 mn	13'-3 1/2"	
15 mn	13'-6"	
20 mn	13'-3"	
25 mn	13'-0"	
30 mn	12'-9 1/2"	
40 mn	12'-7"	
50 mn	12'-5"	
60 mn		
(3 hours)	12'-4"	

S SAE/SAE

Date 9/2/2007

Asstt. Engr.

Date

K. H ENTERPRISE

For the Contractor

Date

Proprietor

(Barind Multipurpose Development Authority)

আইসিআরডি, ঢাকা



SAND TEST RECORD

(Period : 1 hour)

Page No : 3

Date: 9/2/2007	Well No
Starting Time 11 hrs. 00 minute, Capacity of Pump 3 cusec	District Anchagore
Ref. Mark (Top of Housing) 2 ft above G.L.	Upazilla Autary
Static water level 12 ft below top of Housing Pipe.	Union Balarampur
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza Dhushu
Length of UWC 110 ft, Depth of Pump setting 60 ft.	J.L. No. 52
	Plot No. 256

Time 1	Pumping Water Level below Ref. Mark (ft) 2	Sand Content 3
00 mn (3 hrs)	42'-4"	
01 mn	45'-1"	
02 mn	45'-4"	
03 mn	45'-6"	
04 mn	45'-8"	
05 mn	45'-10"	
07 mn	46'-0"	
09 mn	46'-1"	
11 mn	46'-2½"	
13 mn	46'-5"	
15 mn	46'-7"	
20 mn	46'-9"	
25 mn	46'-10"	
30 mn	46'-11"	
40 mn	47'-0"	
50 mn	47'-1"	
60 mn (4 hrs.)	47'-1½"	

N.B.
Accepted Sand Content after 5 minutes
100 ppm and after 10 minutes-30 ppm.

Observed Result :
(a) After 5 minutes : 10 ppm
(b) After 10 minutes : 05 ppm

SSAE/SAE

Date _____

Asstt Engr. (सहायक अभियन्ता)

Date _____

For the Contractor

Date _____

M. G.
Proprietor

C-5-BMIDA-001 (P-2)



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

Development Records
(Period : 4 hours)
150 % Discharge

Page No : 4

Date: 9/2/2007		Well No : _____
Starting Time 12 hrs 00 minute, Capacity of Pump 3' cusec	District : Panchagore	
Ref. Mark (Top of Housing) 2 ft above GL.	Upazilla : Autary	
Static Water Level 12 ft below top of Housing Pipe.	Union : Balarampur	
Size of Orifice 5 inch, Size of Delivery pipe 6 inch	Mouza : Dhushu	
Length of UWC 110 ft, Depth of Pump Setting 60 ft.	J.L. No : 52	
	Plot No : 256	

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)	113"	3.00	47'-1 1/2"	35'-1 1/2"	Back Wash only one time
05 mn			45'-2"	33'-2"	Back wash has been taken after 5mm.
10 mn			45'-4 1/2"	33'-4 1/2"	
15 mn			45'-7"	33'-7"	
20 mn			45'-9"	33'-9"	
30 mn			45'-11"	33'-11"	
40 mn			46'-1"	34'-1"	
50 mn			46'-2 1/2"	34'-2 1/2"	
60 mn			46'-4"	34'-4"	
75 mn			46'-6"	34'-6"	
90 mn			46'-8"	34'-8"	
120 mn			46'-10"	34'-10"	
150 mn			47'-0"	35'-0"	
180 mn			47'-1 1/2"	35'-1 1/2"	
210 mn			47'-2 1/2"	35'-2 1/2"	
240 mn (8 hrs)			47'-3"	35'-3"	

S SAE/SAE

Date _____

Asstt Engr.

(Date নব্বিশ্ব ইসলাম)

সহকারী প্রকৌশলী

বিভাগীয়, ইউনিট-২, আটোরাগারী জোন
আটোরাগারী, পঞ্চগড়।

For the Contractor

Date _____

K. H. ENTERPRISE

Promotor

সিস-ইঞ্জিনিয়ার (পুল) হক
উপ-সহকারী প্রকৌশলী
বিভাগীয়, ইউনিট-২, আটোরাগারী জোন
আটোরাগারী, পঞ্চগড়।



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

PUMP TEST RECORD

(Period : 1 hours)

150% Discharge

Page No: 5

Date: 9/1/007	Well No :
Starting Time 16 hrs 00 minute, Capacity of Pump 3 cusec	District : Panchagore
Ref. Mark (Top of Housing) 2'-0" ft. above G.L.	Upazilla : Autoary
Static Water Level 12'-0" ft. below top of Housing Pipe.	Union : Balarampur
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza : Dhushu
Length of UWC 110 ft, Depth of Pump Setting 60 ft.	J.L. No : 52
	Plot No : 256

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 (8hrs.)	113"	5.00	47'-3"	35'-3"	
01 mn			"	"	
02 mn			"	"	
03 mn			"	"	
04 mn			"	"	
05 mn			"	"	
06 mn			"	"	
07 mn			"	"	
09 mn			"	"	
11 mn			"	"	
13 mn			"	"	
15 mn			"	"	
20 mn			"	"	
25 mn			"	"	
30mn			47'-3 1/2"	35'-3 1/2"	
40 mn			"	"	
50 mn			"	"	
60 mn (9 hrs)			47'-4"	35'-4"	

S SAE/SAE

Date

Asstt. Engr. ইঞ্জিনিয়ার

Date তারিখ

For the Contractor K. H. ENTERPRISE

Date

Proprietor

C:10-BMDA2-113(P.5)



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

RECOVERY RECORD

(Period : 2.5 hours)

150% Discharge

Page No:6

Date: 9/2/2007	Well No	
Starting Time 17 hrs 00 minute, Capacity of Pump 3 cusec	District	Panchagore
Ref. Mark (Top of Housing) 2 ft. above G.L.	Upazilla	Autoary
Static Water Level 12 ft. below top of Housing Pipe.	Union	Balarampur
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza	Dhushu
Length of UWC 110 ft., Depth of Pump Setting 60 ft.	J.L. No	52
	Plot No	256

Time	Water Level below Reference Mark (ft.)	Remarks
00 mn		
(9 hrs)	47'-4"	
02 mn		
	16'-11½"	
04 mn		
	15'-11"	
06 mn		
	14'-6"	
08 mn		
	14'-1"	
10 mn		
	13'-9"	
15 mn		
	13'-4½"	
20 mn		
	13'-½"	
25 mn		
	12'-9½"	
30 mn		
	12'-6½"	
40 mn		
	12'-5"	
50 mn		
	12'-4"	
60 mn		
	12'-3"	
75 mn		
	12'-2"	
90 mn		
	12'-1½"	
105 mn		
	12'-1½"	
120 mn		
	12'-1½"	
135 mn		
	12'-1"	
150 mn		
(11.5 hours)	12'-1"	

S.SA/SAE

Date 09/02/2007

Asstt. Engr.

Date 09/02/2007

C-10/BMDA2-118(P-3)

সহকারী প্রকৌশলী
বিদ্যুৎ বিভাগ, ইকবি.সি.সি. জাতীয় প্রকৌশলী
আইসিআরসি কলকাতা

K. H. ENTERPRISE

For the Contractor

Date 09/02/2007

Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

MULTIPLE STEP TEST
(Period : 4.5 hours)

Page No : 7

Date: 9/2/2007	Well No
Starting Time 19 hrs 30 minute, Capacity of Pump 3 cusec	District : Parachagore
Ref. Mark (Top of Housing) 2'-0" ft. above G.L.	Upazilla : Autoary
Static Water Level 12'-0" ft. below top of Housing Pipe.	Union : Balarampur
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza : Dhushu
Length of UWC 110' ft. Depth of Pump Setting 60	U. No : 52
	Plot No : 256

Time	Piezometric Height (inch)	Discharge (cusec)	Pumping Water Level (ft.)	Actual Draw Down (ft.)	Remarks
00mn (11.5hrs)			12'-1"	-	100% Discharge
10 mn	53"	2.00	34'-10"	22'-10"	
20 mn			35'-1"	23'-1"	
30 mn			35'-3"	23'-3"	
45 mn			35'-4 1/2"	23'-4 1/2"	
60 mn			35'-5 1/2"	23'-5 1/2"	
90 mn			35'-6"	23'-6"	
100 mn	84"	2.50	35'-0"	29'-0"	125% Discharge
120 mn			41'-2"	29'-2"	
135 mn			41'-3"	29'-3"	
150 mn			41'-4"	29'-4"	
180 mn			41'-4 1/2"	29'-4 1/2"	
190 mn	115"	3.00	46'-10"	34'-10"	150% Discharge
200 mn			47'-0"	35'-0"	
210mn			47'-1"	35'-1"	
225 mn			47'-2"	35'-2"	
240 mn			47'-2 1/2"	35'-2 1/2"	
270 mn (16 hrs)			47'-3"	35'-3"	

SWL :	12'-0"	ft.
PWL :	47'-3"	ft.
Final discharge	3.00	cusec
Specific Draw Down	11.75	ft/cusec.

S SAE/SAE
Date

Asset Engineer
Date

For the contractor
Date

10-BMDA2-FIR (P-1)

Project Officer



Copy for

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

COMPLETION CERTIFICATE OF PUMP HOUSE

Well No : _____ Name of Contractor : _____
 District : **Panchagora**
 Upazilla : **Autoary**
 Union : **Balarampur**
 Mouza : **Dhusan**
 F.L. No : **52** Date of Starting : **10/2/2007**
 Plot No : **256** Date of Completion : **10/3/2007**

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-18 of the general and special 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	Yes	
4.	Discharge box	-	
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	

SSAE/SAE

Date _____

Asstt Engr.

Date _____

For the Contractor

Date _____

K. H. ENTERPRISE

Proprietor

C-5-BMDA-003(P-1)

সে. প্রকল্প দপ্তর
 সরকারী প্রকৌশলী
 বিদ্যুৎবিভাগ, বর্ডার-২, আট্টারানী জোড়
 আট্টারানী, পঞ্চগড়।

বিদ্যুৎবিভাগ, বর্ডার-২, আট্টারানী জোড়
 আট্টারানী, পঞ্চগড়।