



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

Before Pump Installation

1. Well No. :
2. District : Paragana
3. Upazilla : Antony
4. Union : Alayekjaya
5. Mouza : Bamurkumar
6. J.L. No. : 38
7. Plot No. : 980
8. Total Length of the Tubewell : 209'-3"
9. Length of UWC (Excluding Reducer) 110' ft.
10. Name of Sinking Contractor : K.H. ENTERPRISE. Date : 9/2/2007.

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'	1/16	NE	.12	.25	.37
20'	1/16	-	.18	.25	.43
30'	1/16	-	.25	.25	.50
40'	1/16	-	.31	.25	.56
50'	1/16	-	.37	.25	.62
60'	1/16	-	.43	.25	.68
70'	1/8	-	1.00	.25	1.25
80'	1/8	-	1.12	.25	1.37
90'	1/8	-	1.25	.25	1.50
100'	1/16	-	.68	.25	.93
110'					
120'					

11. Maximum Deviation : 1.50 inch at depth 90 ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto _____ ft. freely in the UWC

SSAE/SAE
Date 9/2/07

Asstt. [Signature]
Date 9/2/07

For the Contractor K.H. ENTERPRISE
Date 9/2/07

C-7-BMDA2-252 (P-3) প্রকৌশলী
বিদ্যমতি, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

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

Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAISHAH

PUMP AND ENGINE INSTALLATION

Well No : _____ Name of Contractor : _____
District : **Panchagore**
Upazilla : **Autary** **K.H. Enterprise.**
Union : **Aloyakjoya**
Mouza : **Bamarkumar**
J.I No : **38** Date of Starting : _____
Plot No : **980** Date of Completion : _____

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 _____

সসি/সিই
তারিখ: ০৯/০৭/১৮
বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

Asstt. Engr. _____

Date _____

সিসি ইঞ্জিনিয়ার (পরিদর্শক)
তারিখ: ০৯/০৭/১৮
বিএমডিএ, ইউনিট-২, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

For the Contractor _____

Date _____

K.H. ENTERPRISE

Proprietor

Engine Model: _____
 Engine No: _____
 Engine Hp. 25
 Spicer shaft No: _____
 Gear No: _____
 Gear Ratio: _____
 Pump Model: **Guina Submersible**
 Stage of pump: 2 (Two)
 Depth of Pump Setting 55 ft.
 Static Water Level 44 ft.
 below from top of housing pipe

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

District : **Barisal**
 Upazila : **Autyary**
 Union : **Aloyakjona**
 Mouza : **Bamrikumar**
 J.L. No : 38
 Plot No : 980
 Date : 10-02-08
 Starting time 08 hr 00 min

Static Water Level 4.4 ft. below from top of housing pipe														
Time		R.P.M.	Oil press.	Engine Temp. °C	Dis-charge, cuase	Fuel consumption Litre			Litre per hp-hr = $\frac{\text{Fuel}}{\text{hp-hr}}$	Pumping Water Level, ft.	Specific Drawdown, ft. cuase	Remarks		
Hrs Run	Hour Meter Reading					Start	Fuel stop	Stop					Start	Stop
1	2	3	4	5	0	0	0	10	11	12	13	14	15	16
0 hr.	00017							22	8.00	60	38	39'-4½"		
1 hr.					2			"		"		39'-6"		
2 hr.					"			"		"		39'-7½"		
3 hr.					"			"		"		39'-8½"		
4 hr.					"			"		"		39'-9"		
5 hr.					"			"		"		39'-9½"	2.89 ft/cu	
6 hr.	00149				"			00149		14.00				
Is the exhaust pipe properly fixed & kept out of pump house as per clause of the contract?														
Yes No														
-														
-														
Yes.														

Engine Model:	
Engine No:	
Engine Hp:	25
Spicer shaft No:	
Gear No:	
Gear Ratio:	
Pump Model:	Guina Submersible
Stage of pump:	2 (Two)
Depth of Pump Setting	55 ft.
Static Water Level	44 ft. below from top of housing pipe

BARING MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI
COMMISSIONING/AcCEPTANCE TEST
RECORD : DURATION 6 : HRS

Well No	
District	Baranagora
Upazilla	Autnary
Union	Alvaykjoya
Mouza	Bamrikumar
J.L. No	38
Plot No	980

Date 10-02-08

Starting time 08 hr 00 min

Time	Hrs Run	Hour Meter Reading	R.P.M.	Oil press.	Engine Temp. °C	Dis-charge, cusec	Fuel Consumption Litre			Litres per hp-hr	Pumping Water Level, ft.	Specific Drawdown, ft. cusec	Remarks
							Start	Fuel stop	End				
0 hr.	00017		3	4	5	0	0017	0	10	11	12	13	
1 hr.											14	15	
2 hr.						2		22	8.00	60	14'-0"	3.5 W.L.	
3 hr.						"		"		"	39'-4 1/2"		
4 hr.						"		"		"	39'-6"		
5 hr.						"		"		"	39'-7 1/2"		
6 hr.	00149					"		"		"	39'-8 1/2"		
						"	00149	"	14.00		39'-9"		
						"		"			39'-9 1/2"	12.89 ft/cusec	

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?

Yes	No
-	-
-	-
Yes.	

S SAE/SAE

Date

10/02/08

C10-BM/DIA 2 1/2 inch

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

Assit

Date

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

For the Contractor

Date

10/02/08
10/02/08

Ordered depth 62.9 ft.
(From GL to Bottom of Bail plug)

Assit Engineer



বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ
রাজশাহী
গভীর নলকূপ ক্ষমতা স্তর ফরম

আমি B.M.D.A. (xxx) Poronagore Zone.
গ্রাম Aloyakjaya পোঃ Aloyakjaya উপজেলা Autary জেলা
Poronagore এতদ্বারা (সিগিতির নাম) Bamokumar গভীর নলকূপ
সিগিতির Autary উপজেলার
বন্দী Aloyakjaya ইটনিয়নের Bamokumar মৌজার 980

জে এল 38 নং দাগে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষ কর্তৃক স্থাপিত গভীর নলকূপটি আনুসঙ্গিক যন্ত্রপাতিসহ চালু অবস্থায় অদা। তারিখে বরেন্দ্র বহুমুখী উন্নয়ন কর্তৃপক্ষের নিকট হইতে বুঝিয়া পাওয়া যায় এবং নলকূপটি রক্ষণাবেক্ষণ, যন্ত্রপাতি সার্বস্বত্বনা ও বিদ্যুৎ মোতায়েনকৃত তত্ত্বাবধানের দায়িত্ব গ্রহণ করিলাম। আমি গভীর নলকূপটির সার্বিক নিরাপত্তা নিশ্চয় করিব এবং যে কোন প্রকার ক্ষয়ক্ষতি হইলে দায়ী থাকিব।

১। 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 : China.
- ২। পাম্পের মেক ও মডেল : Submersible 60'H.
- ৩। পায়ার বয়স নং :
- ৪। ডেলিভারী পাইপ : 1 Nos. টি
- ৫। পাইপের স্যাফটি :
- ৬। ট্রান্সমিটর : টি

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

দায়িত্ব গ্রহণকারীর স্বাক্ষর :
নাম ও ঠিকানা :
বিভাগীয়, ইন্সপেক্টর, আটোয়ারী জোন
আটোয়ারী, পঞ্চগড়।

AT. ENTERPRISE

১। ঠিকাদারের পক্ষে :
তারিখ :

S-BMDA 1-319

১। বিএমডিএ এর পক্ষে :
তারিখ :

আটোয়ারী, পঞ্চগড়।



Project :

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAHI

Well No. :

District : Panchagore

Thana : Autary

Union : Aloyakunya

Engineer :

BARIND MULTIPURPOSE
DEVELOPMENT AUTHORITY

Drilling Contractor :

A. Kalam Enterprises

Mouza : Bamankumar

J.L. No. : 38

Plot No. : 980

CONSTRUCTIONS DETAILS

Operation	Date	Started	Date	Completed	
Drilling	3.2.07	7.00	HRS	9.07	7.00 HRS
Casing			HRS		HRS
Gravel Placing	-DO-	19.00	HRS	-DO-	3.00 HRS
Drilling diameter 22" / 24"/44"					
Housing Pipe (Dia 14") mild steel					
UWC (incl. Reducer)		32.74m		ft. below GL	
Lapping - 1.5m		Total length [ft]		31.34m	
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 51.98m		Length [ft]	
From.....to.....		Length [ft]		29.24m	
Lapping .76m		Total length [ft]		29.24m	
Bailplug (Dia 8")					
Depth below GL		From 51.98m to 62.97m		9.99m	
Centralizers					
Depth below GL at					
32.74/33.74/44.74/50.74/56.74/62.97m					
Total Numbers		5			
Gravel					
Gravel quantity (approx)		15.230 cum.		cft.	
Depth below GL		From 01. to 220m		Length [ft]	
Fixture length		from top of UWC to bottom of Bail plug		63.57m	
Verticality test					
max. deviation		1.50m		inch at 90m	
Depth					
Date 03/02/2007					
Material used with reducer 3" x 4" x 1/2" x 1/4" x 1/8" x 1/16" x 1/32" x 1/64" x 1/128" x 1/256" x 1/512" x 1/1024" x 1/2048" x 1/4096" x 1/8192" x 1/16384" x 1/32768" x 1/65536" x 1/131072" x 1/262144" x 1/524288" x 1/1048576" x 1/2097152" x 1/4194304" x 1/8388608" x 1/16777216" x 1/33554432" x 1/67108864" x 1/134217728" x 1/268435456" x 1/536870912" x 1/1073741824" x 1/2147483648" x 1/4294967296" x 1/8589934592" x 1/17179869184" x 1/34359738368" x 1/68719476736" x 1/137438953472" x 1/274877906944" x 1/549755813888" x 1/1099511627776" x 1/2199023255552" x 1/4398046511104" x 1/8796093022208" x 1/17592186044416" x 1/35184372088832" x 1/70368744177664" x 1/140737488355328" x 1/281474976710656" x 1/562949953421312" x 1/1125899906842624" x 1/2251799813685248" x 1/4503599627370496" x 1/9007199254740992" x 1/18014398509481984" x 1/36028797018963968" x 1/72057594037927936" x 1/144115188075855872" x 1/288230376151711744" x 1/576460752303423488" x 1/1152921504606846976" x 1/2305843009213693952" x 1/4611686018427387904" x 1/9223372036854775808" x 1/18446744073709551616" x 1/36893488147419103232" x 1/73786976294838206464" x 1/147573952589676412928" x 1/295147905179352825856" x 1/590295810358705651712" x 1/1180591620717411303424" x 1/2361183241434822606848" x 1/4722366482869645213696" x 1/9444732965739290427392" x 1/18889465931478580854784" x 1/37778931862957161709568" x 1/75557863725914323419136" x 1/151115727451828646838272" x 1/302231454903657293676544" x 1/604462909807314587353088" x 1/1208925819614629174706176" x 1/2417851639229258349412352" x 1/4835703278458516698824704" x 1/9671406556917033397649408" x 1/19342813113834066795298816" x 1/38685626227668133590597632" x 1/77371252455336267181195264" x 1/154742504910672534362390528" x 1/309485009821345068724781056" x 1/618970019642690137449562112" x 1/1237940039285380274899124224" x 1/2475880078570760549798248448" x 1/4951760157141521099596496896" x 1/9903520314283042199192993792" x 1/19807040628566084398385987584" x 1/39614081257132168796771975168" x 1/79228162514264337593543950336" x 1/158456325028528675187087900672" x 1/316912650057057350374175801344" x 1/633825300114114700748351602688" x 1/1267650600228229401496703205376" x 1/2535301200456458802993406410752" x 1/5070602400912917605986812821504" x 1/10141204801825835211973625643008" x 1/20282409603651670423947251286016" x 1/40564819207303340847894502572032" x 1/81129638414606681695789005144064" x 1/162259276829213363391578010288128" x 1/324518553658426726783156020576256" x 1/649037107316853453566312041152512" x 1/1298074214633706907132624082305024" x 1/2596148429267413814265248164610048" x 1/5192296858534827628530496329220096" x 1/10384593717069655257060992658440192" x 1/20769187434139310514121985316880384" x 1/41538374868278621028243970633760768" x 1/83076749736557242056487941267521536" x 1/166153499473114484112975882535043072" x 1/332306998946228968225951765070086144" x 1/664613997892457936451903530140172288" x 1/1329227995784915872903807060280344576" x 1/2658455991569831745807614120560689152" x 1/5316911983139663491615228241121378304" x 1/10633823966279326983230456482242756608" x 1/21267647932558653966460912964485513216" x 1/42535295865117307932921825928971026432" x 1/85070591730234615865843651857942052864" x 1/170141183460469231731687303715884105728" x 1/340282366920938463463374607431768211456" x 1/680564733841876926926749214863536422912" x 1/1361129467683753853853498429727072845824" x 1/2722258935367507707706996859454145691648" x 1/5444517870735015415413993718908291383296" x 1/10889035741470030830827987437816582766592" x 1/21778071482940061661655974875633165533184" x 1/43556142965880123323311949751266331066368" x 1/87112285931760246646623899502532662132736" x 1/174224571863520493293247799005065324265472" x 1/348449143727040986586495598010130648530944" x 1/696898287454081973172991196020261297061888" x 1/1393796574908163946345982392040522594123776" x 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1/1461501637330902918203684832716283019655932542976" x 1/2923003274661805836407369665432566039311865085952" x 1/5846006549323611672814739330865132078623730171904" x 1/11692013098647223345629478661730264157247460343808" x 1/23384026197294446691258957323460528314494920687616" x 1/46768052394588893382517914646921056628989841375232" x 1/93536104789177786765035829293842113257991682750464" x 1/18707220957835557353007165858768422651599365500928" x 1/37414441915671114706014331717536845303198731001856" x 1/74828883831342229412028663435073690606397462003712" x 1/149657767662684458824057326870147381212794924007424" x 1/299315535325368917648114653740294762425589848014848" x 1/598631070650737835296229307480589524851079696029696" x 1/1197262141301475670592458614961179049702159392059392" x 1/2394524282602951341184917229922358099404318784118784" x 1/4789048565205902682369834459844716198808637568237568" x 1/9578097130411805364739668919689432397617275136475136" x 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RAJSHAHI MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

INSPECTION OF VERTICALITY OF THE TUBEWELL

1. Well No. : _____
 2. District : **Panchagore**
 3. Upazilla : **Autoary**
 4. Union : **Aloyakhoye**
 5. Mouza : **Baarkumar**
 6. J.L. No. : **38**
 7. Plot No. : **980**
 8. Total Length of the Tubewell : **209'-3"**
 9. Length of UWC (Excluding Reducer) : **10'** ft. Date : **9/2/2007**
 10. Name of Sinking Contractor : **A. Kalam Enterprise.**

Before Shrouding

After Shrouding

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	-	-	-	-
20'	1/16	SE	.19	.25	.25
30'	1/16	-	.25	.25	.43
40'	1/8	-	.62	.25	.50
50'	1/8	-	.75	.25	.37
60'	1/8	-	.87	.25	1.00
70'	1/8	-	1.00	.25	1.12
80'	1/16	-	.56	.25	1.25
90'	1/16	-	.62	.25	.81
100'	1/16	-	.78	.25	.87
110'				.25	.93
120'					

11. Maximum Deviation : **1.25** inch at depth **70'** ft.
 12. Other observation, if any : _____

SSAE/SAE
Date

Asslt. Engr. (সহকারী প্রকৌশলী)
Date (তারিখ)
সহকারী প্রকৌশলী
আব্দুল হক
আব্দুল হক
আব্দুল হক

For the Contractor
Date
A. Kalam Enterprise
Proprietor

**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

INSPECTION OF VERTICALITY OF THE TUBEWELL

After Shrouding

1. Well No. :
2. District : **Faridkot**
3. Upazilla : **Autary**
4. Union : **Aloyakhoya**
5. Mouza : **Bamankumar**
6. J.L. No. : **38**
7. Plot No. : **980**
8. Total Length of the Tubewell : **209'-3"**
9. Length of UWC (Excluding Reducer) **110'** ft.
10. Name of Sinking Contractor : **A. Kalam Enterprise.** Date : **9/2/2007**

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'	1/16	NE	.12	.25	.37
20'	1/16	-	.13	.25	.43
30'	1/16	-	.25	.25	.50
40'	1/16	-	.31	.25	.56
50'	1/16	-	.37	.25	.62
60'	1/16	-	.43	.25	.68
70'	1/8	-	1.00	.25	1.25
80'	1/8	-	1.12	.25	1.37
90'	1/8	-	.25	.25	1.50
100'	1/16	-	.68	.25	.93
110'					
120'					

11. Maximum Deviation : **1.50** inch at depth **90** ft.
12. Other observation, if any :
13. Straightness : Dolly passed upto ft. freely in the UWC.

SSAE/SAE

Date

Asstt. Engr. (সহ প্রকল্প ইঞ্জিনিয়ার)

Date

For the Contractor

Date

Proprietor

**MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH**

**DEVELOPMENT RECORD
(Period : 2 hour)**

Page No : 1

Date: 11/2/2007		Well No	
Starting Time 8 hrs 00 minute.	Capacity of Pump 5 cusec	District	Ranchagore
Ref. Mark (Top of Housing) 2	ft. above G.L.	Upazilla	Autoary
Static Water Level 11'-0"	ft. below top of Housing Pipe.	Union	Aloyakhoya
Size of Orifice 5 inch.	Size of Delivery Pipe 6 inch	Mouza	Bamor kumar
Length of UWC 110	ft. Depth of Pump Setting 03	J.I. No.	38
		Plot No.	980

Time	Piezometric Height (inch)	Discharge (cusec)	Pumping Water Level below Reference Mark (ft.)	Actual Draw-Down (ft.)	Remarks
1	2	1	1	5	6
00mn (8 hrs)			11'-0"	S.W.L.	50% Discharge
05 mn	3.5	1.02	23'-9"	12'-9"	
10 mn			24'-0"	13'-0"	
15 mn			24'-2"	13'-2"	
20 mn			24'-3 1/2"	13'-3 1/2"	
25 mn			24'-4 1/2"	13'-4 1/2"	
30 mn			24'-5 1/2"	13'-5 1/2"	
35 mn	53"	2.00	36'-0"	25'-0"	
40 mn			36'-3"	25'-3"	100% Discharge
45 mn			36'-5 1/2"	25'-5 1/2"	
50 mn			36'-8"	25'-8"	
55 mn			36'-10"	25'-10"	
60 mn			36'-11"	25'-11"	
65 mn			37'-0"	26'-0"	
70mn	84"	2.5	43'-3"	32'-3"	
80 mn			43'-4 1/2"	32'-4 1/2"	125% Discharge
90 mn			43'-5 1/2"	32'-5 1/2"	
100 mn	113"	3.00	49'-7"	38'-7"	
110 mn			49'-9"	38'-9"	150% Discharge
120 mn (2 hrs.)			49'-10"	38'-10"	

1 cusec = 28.32 LPS.

S SAE/SAE

Date

Asstt. Engr.

Date

For the Contractor

Date

[Signature]
Proprietor

KIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

RECOVERY RECORD (Period : 1 hour)

Page No : 2

Date: 11/2/2007		Well No	
Starting Time	10 hrs 00 Minute	District	Parchagore
Ref. Mark (Top of Housing) 2 ft. above G.L.		Upazilla	Autoary
Static Water Level 11 ft. below top of Housing Pipe.		Union	Aloyakhoya
		Mouza	Damorkumar
		U.L. No	38
		Plot No	980

Time	Water Level below Reference Mark (ft.)	Remarks
00mn (2 hrs)	49'-10"	
01 mn	17'-0"	
02 mn	16'-1"	
03 mn	15'-3"	
04 mn	14'-8"	
05 mn	14'-2"	
07 mn	13'-9"	
09 mn	13'-4"	
11 mn	13'-0"	
13 mn	12'-8"	
15 mn	12'-5"	
20 mn	12'-3"	
25 mn	11'-1"	
30 mn	11'-11"	
40 mn	11'-9½"	
50 mn	11'-8"	
60 mn (3 hours)	11'-7"	

SAT/SAT

Date

স্বঃ এনাবুল হক

স্বঃ সত্যজীত কৌশলী
স্বঃ সত্যজীত কৌশলী
স্বঃ সত্যজীত কৌশলী
স্বঃ সত্যজীত কৌশলী

Asst. Engr. (স্বঃ সত্যজীত কৌশলী)
Date

নিরূপিত, ১৫.৮.০৭, জাতীয় জোন
জাতীয়, পঞ্চক

For the Contractor

Date

[Signature]
Proprietor

RURAL MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

SAND TEST RECORD (Period : 1 hour)

Page No : 3

Date: 11/2/2007

Starting Time 11 hrs. 00 minute, Capacity of Pump 3 cusec
 Ref. Mark (Top of Housing) 2 ft above G.L.
 Static water level 11 ft below top of Housing Pipe.
 Size of Orifice 5 inch, Size of Delivery Pipe 6 inch
 Length of UWC 110' ft, Depth of Pump setting 63 ft.

Well No	
District	Panchagore
Upazilla	Autary
Union	Aloyakhoya
Mouza	Bamankumar
J.L. No.	38
Plot No.	980

Time	Pumping Water Level below Ref. Mark (ft)	Sand Content
00mn		
(3 hrs)	11'-7"	
01 mn	44'-0"	
02 mn	44'-6"	
03 mn	45'-0"	
04 mn	45'-5"	
05 mn	45'-10"	
07 mn	46'-2"	
09 mn	46'-6"	
11 mn	46'-9"	
13 mn	46'-11"	
15 mn	47'-2"	
20 mn	47'-5"	
25 mn	47'-7 1/2"	
30 mn	47'-9 1/2"	
40 mn	47'-11"	
50 mn	48'-0"	
60 mn	48'-1"	
(4 hrs.)		

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 : 5 ppm

SSAI/SAE

Date ১১-০২-০৭

Asstt Engr (ইসলাম)

Date ১১-০২-০৭

C.S-BMHA-001 (P-2)
 বিদ্যুৎ, ইলেক্ট্রিক্যাল
 আ.টোকারী, পঞ্চগড়।

বিদ্যুৎ, ইলেক্ট্রিক্যাল, আ.টোকারী
 আ.টোকারী, পঞ্চগড়।

For the Contractor

Date


 Proprietor



BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

Development Records
(Period : 4 hours)
150 % Discharge

Page No : 4

Date: 11/2/2007

Starting Time 12 hrs 00 minute, Capacity of Pump 3 cusec

Ref. Mark (Top of Housing) 2 ft above G.L.

Static Water Level 11 ft below top of Housing Pipe.

Size of Orifice 5 inch, Size of Delivery pipe 6 inch

Length of UWC 110" ft, Depth of Pump Setting 63 ft

Well No :
District : Panchagore
Upazilla : Autoary
Union : Alayakloye
Mouza : Bamarkumar
J.L. No : 38
Plot No : 980

Time	Piezometric height (ft)	Discharge (cusec)	Pumping Water Level below Ref Mark (ft)	Actual Draw-Down (ft)	Remarks
00mn (4 hrs)	113"	3.00	43'-1"	37'-1"	Back Wash only one time After 5mn.
05 mn			45'-11"	31'-11"	
10 mn			46'-4"	35'-4"	
15 mn			46'-8"	35'-8"	
20 mn			47'-0"	36'-0"	
30 mn			47'-3"	36'-3"	
40 mn			47'-5"	36'-5"	
50 mn			47'-7"	36'-7"	
60 mn			47'-8"	36'-8"	
75 mn			47'-9"	36'-9"	
90 mn			47'-10"	36'-10"	
120 mn			48'-0"	37'-0"	
150 mn			48'-12"	37'-12"	
180 mn			48'-22"	37'-22"	
210 mn			48'-32"	37'-32"	
240 mn (8 hrs)			48'-4"	37'-4"	

S SAE/SAE

Date

Asstt Engr

Date

For the Contractor

Date

K. H ENTERPRISE

Proprietor

BARIND MULTIPURPOSE DEVELOPMENT RAJSHAH

PRIORITY

PUMP TEST RECC

(Period : 1 hours

150% Discharge

Date: 11/2/2007	
Starting Time 16 hrs 00 minute, Capacity of Pump 3 cusec	
Ref. Mark (Top of Housing) 2'-0" ft. above G.L.	Upazilla : Autoary
Static Water Level 11'-0" ft. below top of Housing Pipe.	Union : Aloyakhoya
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch	Mouza : Banankumar
Length of UWC 110' ft. Depth of Pump Setting 53' ft.	J.I. No : 38
	Plot No : 980

Time	Piezometric Height (ft)	Discharge (cusec)	Pumping Water Level below Ref. Mark (ft.)	Actual Draw-Down (ft.)	Remarks
00mn (8hrs.)	113"	3.00	48'-4"	37'-4"	
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			"	"	
40 mn			48'-4½"	37'-4½"	
50 mn			"	"	
60 mn			"	"	
(9 hrs)			48'-5"	37'-5"	

S SAE/SAE

Date: 11/2/2007

Asstt. Engineer (Name)

Date: 11/2/2007

For the Contractor

Date: 11/2/2007

Proprietor

KIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAJSHAH

RECOVERY RECORD (Period : 2.5 hours) 150% Discharge

Page No:6

Date: **11/2/2007**
 Starting Time **17** hrs **00** minute. Capacity of Pump **3** cusec
 Ref. Mark (Top of Housing) **2** ft. above G.L.
 Static Water Level **11** ft. below top of Housing Pipe
 Size of Orifice **5** inch. Size of Delivery Pipe **6** inch
 Length of UWC **110** ft. Depth of Pump Setting **63** ft.

Well No
 District **Parchagore**
 Upazilla **Autorary**
 Union **Aloyakhoya**
 Mouza **Bamorkumar**
 J.L. No **38**
 Plot No **980**

Time	Water Level below Reference Mark (ft.)	Remarks
00 mn (9 hrs)	48'-5"	Pumping discontinued
02 mn	15'-0"	
04 mn	14'-0"	
06 mn	13'-5"	
08 mn	13'-0"	
10 mn	12'-7"	
15 mn	12'-3"	
20 mn	12'-3½"	
25 mn	12'-0"	
30 mn	11'-10½"	
40 mn	11'-8½"	
50 mn	11'-7"	
60 mn	11'-6"	
75 mn	11'-5½"	
90 mn	11'-4½"	
105 mn	11'-4"	
120 mn	11'-3½"	
135 mn	11'-3"	
150 mn (11.5 hours)	11'-2½"	

S SAE/SAE

Date **১১/০২/০৭**

Asstt. Engr.
 Date **১১/০২/০৭**

C-10-BMDA2-II8(P-3)
 উপ. সচিব (সহকারী প্রকৌশলী)
 জি.ও. সচিব (সহকারী প্রকৌশলী) কোম

সিএমডি. ইউ.ই-২, ভারোত্তরী কোম
 ভারোত্তরী, পঞ্চদশ

For the Contractor
 Date **১১/০২/০৭**
K. HENTERPRISE
 Proprietor

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY RAISHAH

MULTIPLE STEP TEST
(Period : 4.5 hours)

Page No : 7

Date: 11/2/2007		Well No	
Starting Time 19 hrs 30 minute, Capacity of Pump 3 cusec		District	Parchagore
Ref. Mark (Top of Housing) 2'-0" ft. above G.L.		Upazilla	Autoary
Static Water Level 11'-0" ft. below top of Housing Pipe.		Union	Aloyakhoya
Size of Orifice 5 inch, Size of Delivery Pipe 6 inch		Mouza	Bamonkumar
Length of UWC 110' ft. Depth of Pump Setting 63		J.L. No	38
		Plot No	980

Time	Piezometric Height (inch)	Discharge (cusec)	Pumping Water Level (ft.)	Actual Draw-Down (ft.)	Remarks
00mn (11.5hrs)	-	-	11'-2½"	-	100% Discharge
10 mn	53"	2.00	35'-10"	24'-10"	
20 mn			36'-½"	25'-½"	
30 mn			36'-2½"	25'-2½"	
45 mn			36'-4"	25'-4"	
60 mn			36'-5"	25'-5"	
90 mn			36'-5½"	25'-5½"	
100 mn	84"	2.5	42'-5"	31'-5"	125% Discharge
120 mn			42'-7"	31'-7"	
135 mn			42'-8"	31'-8"	
150 mn			42'-9"	31'-9"	
180 mn			42'-9½"	31'-9½"	
190 mn	113"	3.00	48'-7"	37'-7"	150% Discharge
200 mn			48'-9"	37'-9"	
210mn			48'-11"	38'-½"	
225 mn			49'-½"	38'-1½"	
240 mn			49'-1½"	38'-2"	
270 mn (16 hrs)			49'-2"		

SWL :	11'-0"	ft.
PWL :	49'-2"	ft.
Final discharge	3.00	cusec
Specific Draw Down	12.72	ft/cusec

S SAE/SAE

Date **11/2/2007**

10-BMDA2-118 (P-1)

Asstt. Engineer
(Barind Multipurpose Development Authority)

সহকারী প্রকৌশলী
বরেন্দ মাল্টিপারপোজ ডেভেলপমেন্ট অথরি
রাইসাহ, বরেন্দ-২, আশেখারী জোম
আশেখারী, বরেন্দ

For the Contractor

Date **11/2/2007**

BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY
RAJSHAH

COMPLETION CERTIFICATE OF PUMP HOUSE

Well No : _____ Name of Contractor : _____
 District : **Panchagore**
 Upazilla : **Autoary** **A. Alam Enterprise.**
 Union : **Aloyaknaya**
 Mouza : **Bamarkumar**
 LL No : **38** Date of Starting : **12/2/2007**
 Plot No : **980** Date of Completion : **11/3/2007**

40. 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.	Line 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 1/2" dia lifting hook.	Yes.	

SSAE/SAE

Date: **সোঃ এনাবুল হক**

Assst. Engr.

Date: **১১/৩/০৭**For the Contractor: **ENTERPRISE**Date: **11/3/2007**
Proprietor