

Project : Integrated Agriculture Development Project (IADP).

DTW No	: A-BMDA-
District	: Panchagarh.
Upazilla	: Atwari.
Union	: Dhamore.
Mouza	: Panishail
J.L No.	: 4
Plot No.	: 417

DRILLING LOG.

BARIND MULTIPURPOSE DEVELOPMENT
AUTHORITY, RAJSHAHI.

Sinking & Drilling Contractor

Naogaon United
Notun Bazar, Santahar, Bogra.

Date Strated	: 27/01/16	At	: 9.00 A.M	Date completed	: 30/01/16	At	: 10.00 A.M	Rod length	: 3.00 Meter
Logged By	: (Md. Harun-Or-Rashid)			Sr. Sub-Assistant Engineer	B.M.D.A, Atwari Zone		Panchagarh.		

Drilling Time Log			Graphic Log	Thickness (Meter)		Description of Formation.	Remarks
Rod	From	To		From	To		
1	2	3	4	5	6	7	8
1	9.00			0	3	Clay Brown Colour	
				3	6	Coarse Sand Grey Colour.	
				6	9	Coarse Sand Grey Colour with Stone.	
				9	12	Fine Sand Grey Colour.	
				12	15		
				15	18		
				18	21		
				21	24	Medium Sand Grey Colour.	
				24	27	Medium Sand Grey Colour with Stone.	
				27	30		
				30	33		
				33	36		
				36	40.25	Coarse Sand Grey Colour with Gravel.	
				40.25	42		
				42	45		
				45	48		
				48	51		
				51	54		
				54	57	Fine Sand Grey Colour.	
				57	60		
				60	63		
		10.00		63	66	Fine Sand Grey Colour with Stone..	
				66	69		

(Md. Harun-Or-Rashid)
Sr. Sub-Assistant Engineer
B.M.D.A, Atwari Zone
Panchagarh.

(Md. Zohorul Islam)
Assistant Engineer
B.M.D.A, Atwari Zone
Panchagarh.

For The Contractor
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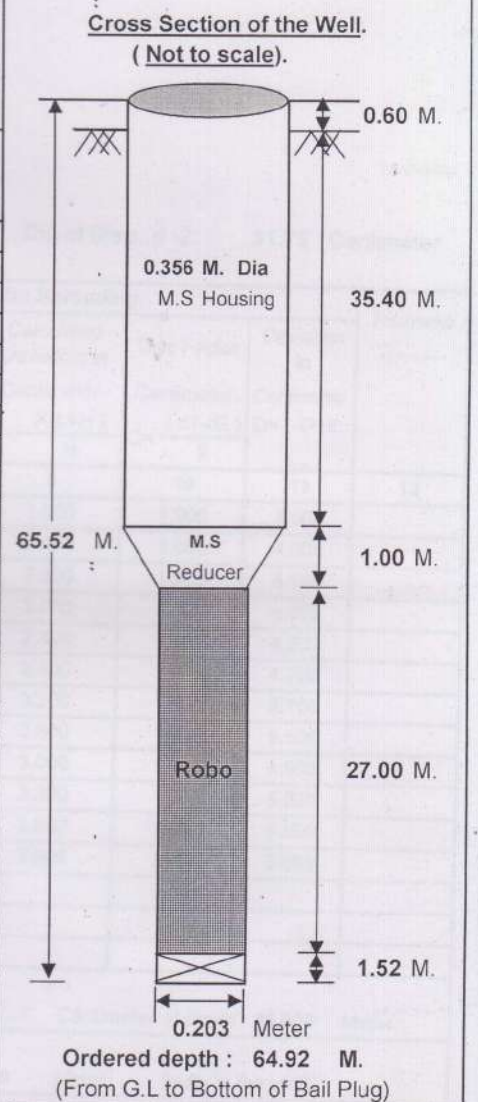
**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY,
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Engineer	Sinking & Drilling Contractor
BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY, RAJSHAHI.	Naogaon United Notun Bazar, Santahar, Bogra.
CONSTRUCTION DETAILS.	

Operation	Started	Completed	
Drilling	27/01/16 At 9.00	30/01/16 At 10.00	
Casing	30/01/16 At 11.00	30/01/16 At 15.00	
Gravel Shrouding	30/01/16 At 15.30	30/01/16 At 17.30	
Bore Hole Diameter	0.6096 Meter		
Housing pipe (Diameter)	: 0.3556 Meter (Mild Steel / PVC)		
UWC	: M.S 0.60 M. above G.L.		
UWC Including Reducer	: M.S 36.40 M. bellow G.L.		
Lapping (With Reducer)	: 0.00 M. Total Fixture length (M.) : 37.00		
LWC pipe (Diameter)	: 0.203 Meter (Mild Steel / PVC)		
Depth bellow G.L : From : PVC	M. To M.		
From : PVC	M. To M.		
Lapping	: 0.00 M. Total Fixture length (M.) : 0.00		
Screen pipe (Diameter)	: 0.203 Meter (SS/ FG/ LCS/ PVC - Robo)		
Depth bellow G.L : From : PVC	36.40 M. To 63.40 M.	27.00	
From : PVC	M. To M.		
From : PVC	M. To M.		
Lapping	: 0.00 M. Total Fixture length (M.) : 27.00		
Bail plug (Diameter)	: 0.203 Meter (SS/ FG/ LCS/ PVC)		
Depth bellow G.L : From : PVC	63.40 M. To 64.92 M.	1.52	
End Cap	: 0.203 Meter (SS/ FG/ LCS/ PVC)		
Depth bellow G.L : From :	64.92 M. To 64.92 M.	0.00	
Centralizers			
Depth bellow G.L At :	63 , 57 , 51 , 48 , 45 M.		
	Total Number :	5 Nos.	
Gravel Shrouding			
Gravell Quantity (Approximately) :	14.631 Cum.		
Depth bellow G.L At : From :	0.00 M. To 64.920 M.		
	Total Quantity :	14.631 Cum.	
Fixture Length (Excluding lapping of Joint).			
From up to UWC bottom of Bail Plug.	Total Fixture length (M.) :	65.52 M.	
Verticality Checking			
Maximum Deviation	: 5.805 Centimeter. at 36.00 Meter Depth:		
Date	: 30/01/16		
G.L. হইতে Bell Plug এর তলা পর্যন্ত Gravells দ্বারা প্যাকিং সম্পন্ন করা হয়েছে।			
Material Used			
Housing (Inc.Reducer)+LWC (Blind Pipe)+Well Screen+Bail Plug =	37.00 M. + 0.00 M. + 27.00 M. + 1.52 M. =	65.52 M.	
Lapping			
Housing (Inc.Reducer)+LWC (Blind Pipe)+Well Screen+Bail Plug =	0.00 M. + 0.00 M. + 0.00 M. + 0.00 M. =	0.00 M.	



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Before & After Shrouding.

Engineer

BARIND MULTIPURPOSE DEVELOPMENT
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Notun Bazar, Santahar, Bogra.

- | | | | | |
|---|-----------------------------------|---|-------------|-----------------|
| 1 | Total Length of Deep Tube Well | : | 65.52 Meter | |
| 2 | Length of UWC (Excluding Reducer) | : | 36.00 Meter | Date : 30/01/16 |

VERTICALITY DATA SHEET.

Suspension of Height (H) : **3.00** Meter Dia of UWC : d-1: **35.56** Centimeter. Dia of Disc : d -2: **31.75** Centimeter.

Depth in Meter Length.	Before Shrouding.					After Shrouding.					Remarks
	Deviation of Centimeter. (X)	Bearing Reading Pointing North	Calculated Deviation in Centimeter.	Disc Factor	Deviation in Centimeter. D= D'+C	Deviation of Centimeter. (X)	Bearing Reading Pointing North	Calculated Deviation in Centimeter.	Disc Factor	Deviation in Centimeter. D= D'+C	
			$D' = \frac{X(L+H)}{H}$	$C = \frac{(d1-d2)}{2}$				$D' = \frac{X(L+H)}{H}$	$C = \frac{(d1-d2)}{2}$		
1	2	3	4	5	6	7	8	9	10	11	12
3	1.000	W	2.000	1.905	3.905	0.800	W	1.600	1.905	3.505	
6	1.000	W	3.000	1.905	4.905	0.800	W	2.400	1.905	4.305	
9	1.000	W	4.000	1.905	5.905	0.800	W	3.200	1.905	5.105	
12	1.000	W	5.000	1.905	6.905	0.600	W	3.000	1.905	4.905	
15	0.800	W	4.800	1.905	6.705	0.400	W	2.400	1.905	4.305	
18	0.600	W	4.200	1.905	6.105	0.400	W	2.800	1.905	4.705	
21	0.600	W	4.800	1.905	6.705	0.400	W	3.200	1.905	5.105	
24	0.600	W	5.400	1.905	7.305	0.400	W	3.600	1.905	5.505	
27	0.400	W	4.000	1.905	5.905	0.300	W	3.000	1.905	4.905	
30	0.400	W	4.400	1.905	6.305	0.300	W	3.300	1.905	5.205	
33	0.400	W	4.800	1.905	6.705	0.300	W	3.600	1.905	5.505	
36	0.400	W	5.200	1.905	7.105	0.300	W	3.900	1.905	5.805	

Maximum Deviation : 7.305
Straightness :
Dolly Passed up to 36.000
Other observation, if any :

Centimeter. at depth 24.000
Meter
freely in the UWC.

Maximum Deviation : 5.805
Straightness :
Dolly Passed up to 36.000
Other observation, if any :

Centimeter. at depth 36.000
Meter
freely in the UWC.

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**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY,
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DEVELOPMENT RECORD

(Preiod : 2.00 Hours)

DTW No	: A-BMDA-
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Mouza	: Panishail
J.L No.	: 4
Plot No.	: 417
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Date	: 03/02/16				
Starting Time	: 7.00	hrs	0	minute,	Capacity of Pump : 0.0850 Cumec.
Ref. Mark (Top of Housing)	: 0.60	Meter		above G.L.	
Static Water Level	: 4.700	Meter		bellow top of Housing Pipe.	
Size of Orifice	: 0.125	Meter			Size of Delivery Pipe : 0.150 Meter
Length of UWC	: 36.00	Meter			Depth of Pump Setting : 27.00 Meter

Time	Pizometric Height (Meter)	Discharge (Cumec.)	Pumping Water level bellow Refference Mark (Meter)	Actual Draw - Down (Meter)	Remarks.
1	2	3	4	5	6
00 mn (0.00 hrs)			4.700		50 % Discharge.
05 mn	0.3430	0.0288	7.596	2.896	
10 mn	0.3430	0.0288	7.622	2.922	
15 mn	0.3430	0.0288	7.673	2.973	
20 mn	0.3430	0.0288	7.723	3.023	
25 mn	0.3430	0.0288	7.749	3.049	
30 mn	0.3430	0.0288	7.800	3.100	0.0288 Cumec.
35 mn	1.3465	0.0566	11.178	6.478	100 % Discharge.
40 mn	1.3465	0.0566	11.204	6.504	
45 mn	1.3465	0.0566	11.229	6.529	
50 mn	1.3465	0.0566	11.267	6.567	
55 mn	1.3465	0.0566	11.305	6.605	
60 mn	1.3465	0.0566	11.331	6.631	
65 mn	1.3465	0.0566	11.381	6.681	0.0566 Cumec.
70 mn	2.1341	0.0708	13.149	8.449	125 % Discharge.
80 mn	2.1341	0.0708	13.199	8.499	
90 mn	2.1341	0.0708	13.238	8.538	0.0708 Cumec.
100 mn	2.8709	0.0850	14.812	10.112	150 % Discharge.
110 mn	2.8709	0.0850	14.863	10.163	
120 mn (2.00 hrs)	2.8709	0.0850	14.939	10.239	0.0850 Cumec.

1 Cumec. : 1000.00 LPS.

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Panchagarh.

(Md. Zohorul Islam)
Assistant Engineer
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For The Contractor
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**RECOVERY RECORD
(Preiod : 1.00 Hours)**

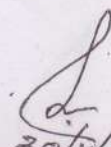
DTW No	: A-BMDA-
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Union	: Dhamore.
Mouza	: Panishail
J.L No.	: 4
Plot No.	: 417
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Date	: 03/02/16				
Starting Time	: 9.00	hrs	0	minute,	Capacity of Pump : 0.085 Cumec.
Ref. Mark (Top of Housing)	: 0.60	Meter		above G.L.	
Static Water Level	: 4.700	Meter		bellow top of Housing Pipe.	
Size of Orifice	: 0.125	Meter			Size of Delivery Pipe : 0.15 Meter
Length of UWC	: 36.00	Meter			Depth of Pump Setting : 27.00 Meter

Time	Water level bellow Reference Mark (Meter)	Remarks.
1	2	3
00 mn (2.00 hrs)	14.939	
01 mn	5.513	
02 mn	5.386	
03 mn	5.335	
04 mn	5.285	
05 mn	5.208	
07 mn	5.132	
09 mn	5.068	
11 mn	5.030	
13 mn	4.980	
15 mn	4.929	
20 mn	4.903	
25 mn	4.852	
30 mn	4.827	
40 mn	4.814	
50 mn	4.789	
60 mn (3.00 hrs)	4.776	

1 Cumec. : 1000.00 LPS.


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**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY,
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SAND TEST RECORD

(Preiod : 1.00 Hours)

DTW No	: A-BMDA-
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Union	: Dhamore.
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J.L No.	: 4
Plot No.	: 417
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Date	: 03/02/16				
Startng Time	: 10.00	hrs	0	minute,	Capacity of Pump : 0.085 Cumec.
Ref. Mark (Top of Housing)	: 0.60	Meter	above	G.L.	
Static Water Level	: 4.700	Meter	bellow	top of Housing Pipe.	
Size of Orifice	: 0.125	Meter			Size of Delivery Pipe : 0.15 Meter
Length of UWC	: 36.00	Meter			Depth of Pump Setting : 27.00 Meter

Time	Water level bellow Reference Mark (Meter)	Sand Content	Remarks
1	2	3	4
00 mn (3.00 hrs)	4.776	N.B : Accepted sand content after 5 minutes : 100 ppm and after 10 minutes 30 ppm. Observed result : (a) After 5 minutes : <100..... ppm. (b) After 10 minutes : < 30..... ppm.	
01 mn	14.202		
02 mn	14.304		
03 mn	14.444		
04 mn	14.533		
05 mn	14.609		
07 mn	14.660		
09 mn	14.710		
11 mn	14.736		
13 mn	14.761		
15 mn	14.787		
20 mn	14.812		
25 mn	14.838		
30 mn	14.850		
40 mn	14.889		
50 mn	14.914		
60 mn (4.00 hrs)	14.977		

1 Cumec. : 1000.00 LPS.

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**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY,
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DEVELOPMENT RECORD

(Preiod : 4.00 Hours) 150% Discharge.

DTW No : A-BMDA-
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Plot No. : 417
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Date	: 03/02/16				
Startng Time	: 11.00	hrs	0	minute,	Capacity of Pump : 0.085 Cumec.
Ref. Mark (Top of Housing)	: 0.60	Meter	above	G.L.	
Static Water Level	: 4.700	Meter	bellow	top of Housing Pipe.	
Size of Orifice	: 0.125	Meter			Size of Delivery Pipe : 0.15 Meter
Length of UWC	: 36.00	Meter			Depth of Pump Setting : 27.00 Meter

Time	Pizometric Height (Meter)	Discharge (Cumec.)	Pumping Water level bellow Refference Mark (Meter)	Actual Draw - Down. (Meter)	Remarks.
1	2	3	4	5	6
00 mn (4.00 hrs)	2.8709	0.0850	14.977		Back Wash only 30 Time.
05 mn	2.8709	0.0850	14.507	9.807	
10 mn	2.8709	0.0850	14.634	9.934	
15 mn	2.8709	0.0850	14.736	10.036	
20 mn	2.8709	0.0850	14.838	10.138	
30 mn	2.8709	0.0850	14.888	10.188	
40 mn	2.8709	0.0850	14.914	10.214	
50 mn	2.8709	0.0850	14.939	10.239	
60 mn	2.8709	0.0850	14.964	10.264	
75 mn	2.8709	0.0850	14.990	10.290	
90 mn	2.8709	0.0850	15.003	10.303	
120 mn	2.8709	0.0850	15.015	10.315	
150 mn	2.8709	0.0850	15.041	10.341	
180 mn	2.8709	0.0850	15.053	10.353	
210 mn	2.8709	0.0850	15.066	10.366	
240 mn (8.00 hrs)	2.8709	0.0850	15.091	10.391	

1 Cumec. : 1000.00 LPS.

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PUMP TEST RECORD

(Preiod : 1.00 Hours) 150% Discharge.

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Date : 03/02/16
Starting Time : 15.00 hrs 0 minute, Capacity of Pump : 0.085 Cumec.
Ref. Mark (Top of Housing) : 0.60 Meter above G.L.
Static Water Level : 4.700 Meter below top of Housing Pipe.
Size of Orifice : 0.125 Meter Size of Delivery Pipe : 0.15 Meter
Length of UWC : 36.00 Meter Depth of Pump Setting : 27.00 Meter

Time	Pizometric Height (Meter)	Discharge (Cumec.)	Pumping Water level below Reference Mark (Meter)	Actual Draw - Down. (Meter)	Remarks.
1	2	3	4	5	6
00 mn (8.00 hrs)	2.8709	0.0850	15.091	10.391	
01 mn	2.8709	0.0850	15.091	10.391	
02 mn	2.8709	0.0850	15.091	10.391	
03 mn	2.8709	0.0850	15.091	10.391	
04 mn	2.8709	0.0850	15.091	10.391	
05 mn	2.8709	0.0850	15.091	10.391	
06 mn	2.8709	0.0850	15.091	10.391	
07 mn	2.8709	0.0850	15.091	10.391	
09 mn	2.8709	0.0850	15.091	10.391	
11 mn	2.8709	0.0850	15.091	10.391	
13 mn	2.8709	0.0850	15.091	10.391	
15 mn	2.8709	0.0850	15.091	10.391	
20 mn	2.8709	0.0850	15.091	10.391	
25 mn	2.8709	0.0850	15.104	10.404	
30 mn	2.8709	0.0850	15.104	10.404	
40 mn	2.8709	0.0850	15.104	10.404	
50 mn	2.8709	0.0850	15.104	10.404	
60 mn (9.00 hrs)	2.8709	0.0850	15.104	10.404	

1 Cumec. : 1000.00 LPS.

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**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY,
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RECOVERY RECORD

(Preiod : 2.50 Hours) 150% Discharge.

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Date	: 03/02/16				
Starting Time	: 16.00	hrs	0	minute,	Capacity of Pump : 0.085 Cumec.
Ref. Mark (Top of Housing)	: 0.60	Meter		above G.L.	
Static Water Level	: 4.700	Meter		bellow top of Housing Pipe.	
Size of Orifice	: 0.125	Meter			Size of Delivery Pipe : 0.15 Meter
Length of UWC	: 36.00	Meter			Depth of Pump Setting : 27.00 Meter

Time	Water level bellow Reference Mark (Meter)	Remarks.
1	2	3
00 mn (9.00 hrs)	15.104	Pumping discontinued.
02 mn	5.157	
04 mn	5.081	
06 mn	5.005	
08 mn	4.954	
10 mn	4.904	
15 mn	4.878	
20 mn	4.852	
25 mn	4.827	
30 mn	4.814	
40 mn	4.802	
50 mn	4.789	
60 mn	4.776	
75 mn	4.764	
90 mn	4.751	
105 mn	4.738	
120 mn	4.725	
135 mn	4.713	
150 mn (11.50 hrs)	4.703	

1 Cumec. : 1000.00 LPS.

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**MULTIPLE STEP TEST
(Preiod : 4.50 Hours)**

DTW No : A-BMDA-
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Date : 03/02/16
Starting Time : 18.50 hrs 0 minute, Capacity of Pump : 0.085 Cumec.
Ref. Mark (Top of Housing) : 0.60 Meter above G.L.
Static Water Level : 4.700 Meter bellow top of Housing Pipe.
Size of Orifice : 0.125 Meter Size of Delivery Pipe : 0.15 Meter
Length of UWC : 36.00 Meter Depth of Pump Setting : 27.00 Meter

Time	Pizometric Height (Meter)	Discharge (Cumec.)	Pumping Water level (Meter)	Actual Draw - Down (Meter)	Remarks.
1	2	3	4	5	6
00 mn (11.50 hrs)			4.703		100 % Discharge.
10 mn	1.3465	0.0566	11.229	6.529	
20 mn	1.3465	0.0566	11.254	6.554	
30 mn	1.3465	0.0566	11.280	6.580	
45 mn	1.3465	0.0566	11.356	6.656	
60 mn	1.3465	0.0566	11.382	6.682	0.0566 Cumec.
90 mn	1.3465	0.0566	11.382	6.682	
100 mn	2.1341	0.0708	13.161	8.461	
120 mn	2.1341	0.0708	13.174	8.474	
135 mn	2.1341	0.0708	13.187	8.487	
150 mn	2.1341	0.0708	13.238	8.538	125 % Discharge.
180 mn	2.1341	0.0708	13.288	8.588	
190 mn	2.8709	0.0850	14.812	10.112	
200 mn	2.8709	0.0850	14.837	10.137	
210 mn	2.8709	0.0850	14.888	10.188	
225 mn	2.8709	0.0850	14.939	10.239	150 % Discharge.
240 mn	2.8709	0.0850	14.965	10.265	
270 mn (16.00 hrs)	2.8709	0.0850	14.990	10.290	
					0.0850 Cumec.

Static Water Level (S.W.L) : 4.700 Meter or 15.416 Feet.
Pumping Water Level (P.W.L) : 14.990 Meter or 49.167 Feet.
Final Discharge : 0.085 Cumec. or 3.000 Cusec.
Specific Draw Down : 121.057 Meter / Cumec. or 11.251 Feet. / Cusec.

(Md. Harun-Or-Rashid)
Sr. Sub-Assistant Engineer
B.M.D.A, Atwari Zone
Panchagarh.

(Md. Zohorul Islam)
Assistant Engineer
B.M.D.A, Atwari Zone
Panchagarh.

For The Contractor
Naogaon United
Notun Bazar, Santahar, Bogra.

ORIFICE METER-CHART.

Height of Water in Piezometer (inch)		Discharge											
		76.20 mm (3") Orifice			102 mm (4") Orifice			127 mm (5") Orifice			152 mm (6") Orifice		
		102 mm (4") Pipe			152 mm (6") Pipe			152 mm (6") Pipe			203 mm (8") Pipe		
MM	Inch	LPS	Cusec	Cumec	LPS	Cusec	Cumec	LPS	Cusec	Cumec	LPS	Cusec	Cumec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
127.00	5.00	6.330	0.22	0.0060	9.060	0.32	0.0090	17.560	0.62	0.0174	24.070	0.85	0.0238
152.00	6.00	6.800	0.24	0.0067	10.190	0.36	0.01010	19.260	0.68	0.0190	25.770	0.91	0.0238
178.00	7.00	7.080	0.25	0.0070	10.760	0.38	0.0106	20.670	0.73	0.0204	27.190	0.96	0.0255
191.00	7.50	7.360	0.26	0.0073	11.330	0.40	0.0112	21.240	0.75	0.0210	28.040	0.99	0.0269
203.00	8.00	7.650	0.27	0.0076	11.610	0.41	0.0115	21.800	0.77	0.0216	28.890	1.02	0.0277
229.00	9.00	7.930	0.28	0.0078	12.170	0.43	0.0120	23.500	0.83	0.0232	30.590	1.08	0.0286
254.00	10.00	8.210	0.29	0.0081	13.020	0.46	0.0129	24.920	0.88	0.0246	32.000	1.13	0.0316
279.00	11.00	8.780	0.31	0.0087	13.590	0.48	0.0134	26.050	0.92	0.0258	33.700	1.19	0.0333
305.00	12.00	9.060	0.32	0.0090	14.160	0.50	0.0140	27.190	0.96	0.0269	35.120	1.24	0.0347
330.00	13.00	9.350	0.33	0.0092	14.720	0.52	0.0146	28.040	0.99	0.0277	36.530	1.29	0.0361
343.00	13.50	9.630	0.34	0.0095	15.010	0.53	0.0148	28.880	1.02	0.0286	37.100	1.31	0.0367
381.00	15.00	10.190	0.36	0.0101	15.860	0.56	0.0157	30.300	1.07	0.0300	39.080	1.38	0.0386
457.00	18.00	11.040	0.39	0.0109	17.000	0.60	0.0168	33.130	1.17	0.0328	42.480	1.50	0.0420
508.00	20.00	11.890	0.42	0.0118	17.840	0.63	0.0176	34.550	1.22	0.0342	44.750	1.58	0.0442
610.00	24.00	12.740	0.45	0.0126	19.540	0.69	0.0193	37.670	1.33	0.0372	48.990	1.73	0.0484
711.00	28.00	13.870	0.49	0.0137	21.240	0.75	0.0210	40.500	1.43	0.0400	52.390	1.85	0.0518
762.00	30.00	14.440	0.51	0.0143	21.800	0.77	0.0216	42.200	1.49	0.0417	54.090	1.91	0.0535
775.00	30.50	14.720	0.52	0.0146	22.090	0.78	0.0218	42.480	1.50	0.0420	54.370	1.92	0.0538
813.00	32.00	15.000	0.53	0.0148	22.370	0.79	0.0221	43.610	1.54	0.0431	55.790	1.97	0.0552
826.00	32.50	15.000	0.53	0.0148	22.650	0.80	0.0224	43.900	1.55	0.0434	56.640	2.00	0.0560
889.00	35.00	15.570	0.55	0.0154	23.500	0.83	0.0232	45.880	1.62	0.0454	58.060	2.05	0.0574
940.00	37.00	16.140	0.57	0.0160	24.350	0.86	0.0241	47.290	1.67	0.0468	59.750	2.11	0.0591
1016.00	40.00	16.700	0.59	0.0165	25.200	0.89	0.0249	49.280	1.74	0.0487	61.740	2.18	0.0610
1092.00	43.00	17.270	0.61	0.0171	26.050	0.92	0.0258	50.980	1.80	0.0504	63.720	2.25	0.0630
1143.00	45.00	17.550	0.62	0.0174	26.900	0.95	0.0266	52.110	1.84	0.0515	65.140	2.30	0.0644
1270.00	50.00	18.690	0.66	0.0185	28.320	1.00	0.0280	54.940	1.94	0.0543	68.820	2.43	0.0680
1346.00	53.00	18.970	0.67	0.0188	28.880	1.02	0.0286	56.640	2.00	0.0560	70.800	2.50	0.0700
1524.00	60.00	20.390	0.72	0.0202	30.860	1.09	0.0305	59.750	2.11	0.0591	75.050	2.65	0.0742
1651.00	65.00	21.240	0.75	0.0210	32.000	1.13	0.0316	61.740	2.18	0.0610	77.800	2.75	0.0770
1778.00	70.00	21.800	0.77	0.0216	33.130	1.17	0.0328	64.000	2.26	0.0633	80.710	2.85	0.0798
1981.00	78.00							67.400	2.38	0.0666	84.860	3.00	0.0840
2134.00	84.00							70.800	2.50				
2870.00	113.00							84.960	3.00				



**BARIND MULTIPURPOSE DEVELOPMENT AUTHORITY,
RAJSHAHI.**

Project : Integrated Agriculture Development Project (IADP).

COMPLETION CERTIFICATE OF PUMP HOUSE.

DTW No : A-BMDA-

District : Panchagarh.

Upazilla : Atwari.

Union : Dhamore.

Mouza : Panishail

J.L No. : 4

Plot No. : 417

Engineer

BARIND MULTIPURPOSE DEVELOPMENT
AUTHORITY, RAJSHAHI.

Sinking & Drilling Contractor

Naogaon United
Notun Bazar, Santahar, Bogra.

Page No : 8

Date of Starting : 20/02/16

Date of Completion : 25/03/16

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 contracts.

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

SL. No.	Description of Works	Completed (Yes / No).	Remarks.
1	2	3	4
1	Plastering Work	Yes	
2	Slab Casting	Yes	
3	Roof Castig	Yes	
4	Discharge Box	No	
5	White Washing	Yes	
6	Lime Tracing / Bitumin emulsion	Yes	
7	Fitting of door made Metal sheet with proper paint	Yes	
8	Pump base	Yes	
9	R.C.C Beam	Yes	0' - 1 1/4" (Inch) dia Rod Hook used in R.C.C Beam.
10	Ditch filling or Site Development	Yes	
11	Lock and Key supply (2 Nos.)	Yes	
12			
13			


(Md. Harun-Or-Rashid)
Sr. Sub-Assistant Engineer
B.M.D.A, Atwari Zone
Panchagarh.


(Md. Zohorul Islam)
Assistant Engineer
B.M.D.A, Atwari Zone
Panchagarh.


For The Contractor
Naogaon United
Notun Bazar, Santahar, Bogra.