

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

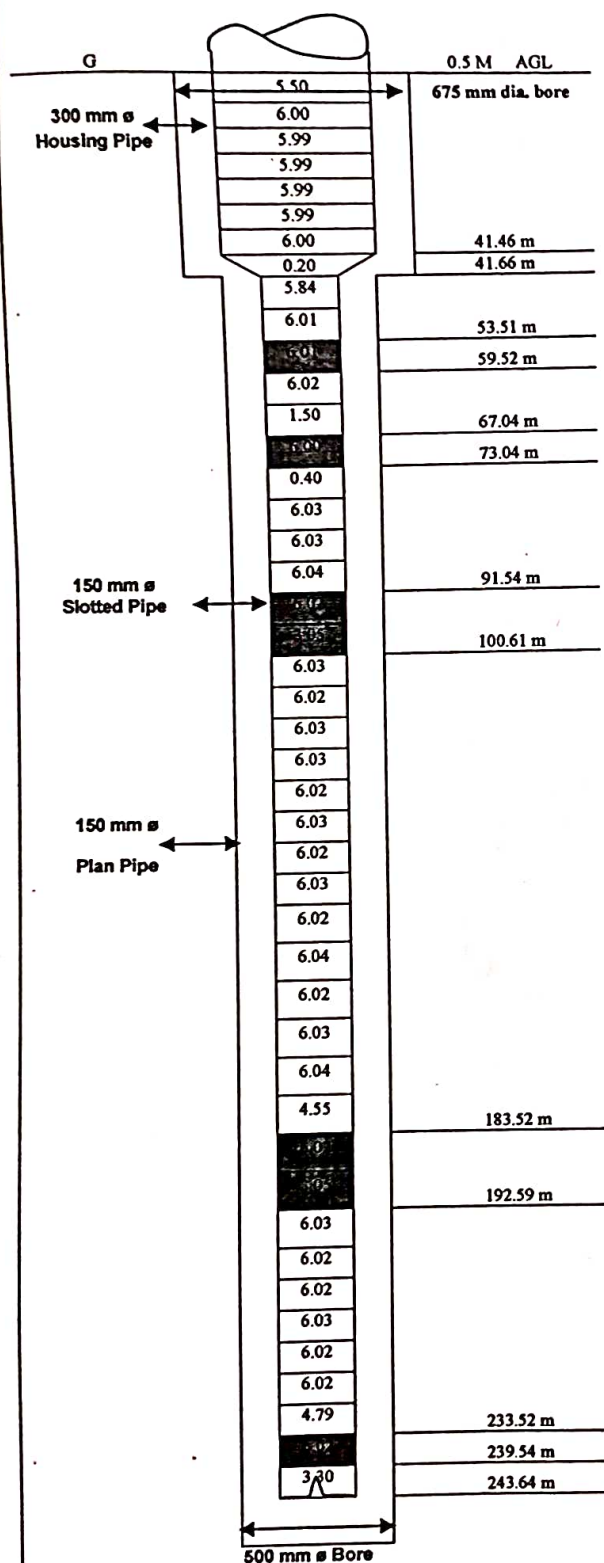
U.P. JAL NIGAM, MAU

Completion plan of T.W. at
Name of Programme /T.W. Location

Alinagar T.W. Distt. Mau
N.R.W.S.P.

(Not to Scale)

Detail of Strata



Detail of Lowering

1	Drilling depth	273 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Drilling started on	15-06-2014
4	Drilling completed on	27-07-2014
5	Date of lowering	28-07-2014
6	Total housing pipe dia 300 mm	41.96 mt.
7	Total Plain pipe dia 150 mm	165.81 mt.
8	Total Slotted pipe dia 150mm	36.17 mt.
9	Size of assembly lowering	300mm x 150 mm
10	Static Water level	9.0 mts.

Detail of Strata

From (m)	To (m)	Thick (m)	Description of the Strata
0	6	6	Surface Clay
6	24	18	Sandy Clay
24	30	6	Sandy Clay / Kankar
30	36	6	Kankar
36	48	12	Clay Kankar
48	54	6	Sandy Clay & Kankar
54	60	6	Fine Sand
60	66	6	Sandy Clay
66	75	9	Very Fine Sand
75	84	9	Caving Clay
84	90	6	Sandy Clay
90	102	12	Fine Sand
102	120	18	Clay
120	150	30	Clay Kankar
150	162	12	Caving Clay
162	180	18	Sandy Clay
180	192	12	Fine Sand
192	216	24	Clay Kankar
216	228	12	Sandy Clay
228	240	12	Fine Sand
240	243	3	Sandy Clay
243	252	9	Kankar Clay
252	275	23	Sandy Clay Kankar

Logging Report

Date 16-07-2014			
SLN.	Depth Range (mbgl)	Thickness (m)	Remark
1	53.0 - 60.0	7.0	Good
2	66.0 - 74.0	8.0	
3	91.0 - 101.0	10.0	
4	183.0 - 193.0	10.0	
5	233.0 - 240.0	7.0	
6	245.0 - 265.0	20.0	

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR																
Date of Test 24-08-2014																
Sl. No	Air line Lower in mtr.	Pressure in kg/cm ²		Depression in mtr.	Discharge through 90° V-notch in cm. Inches in L.P.M.	Sand contents in P.P.M.						Remark				
		Starting	Running			In kg/cm ²	In mtr.	In cm. Inches	In L.P.M.	After						
										Starting	5 Min		10 Min	15 Min	20 Min	25 Min
1	237	23.7	22.8	0.9	9	9"	2110	7200	4500	3000	2500	2000	1500	1000		
Note- Recommended for development by O.P. unit																

YIELD TEST REPORT OF T.W BY 3 CUSEC O.P. UNIT

Date of Test 15-09-2014													
Sl.No.	Discharge By 6"x5" orifice pipe		S.W.L In Mts.	R.W.L In Mts.	epression in Mts.	Sand contents in P.P.M.							Remark
	Inche	L.P.M				Starting	After						
							5 Min	10 Min	15 Min	20 Min	25 Min	30Min	
1	14"	1760	8.65	14.30	5.65	1000	300	150	100	50	Tr	Tr	
2	9"	1408	8.65	13.40	4.75	600	200	100	50	Tr	Tr	Cl	
3	6"	1154	8.65	12.90	4.25	250	50	Tr	Cl	Cl	Cl	Cl	

Note- Recommended discharge 1100 LPM at 4.25 m. depression pump should be run for 15 minutes through the by pass..

(Surendra Yadav)
J. E.

(J.K. Gupta)
Assistant Engineer

(R.S. Singh)
Executive Engineer



UTTAR PRADESH JAL NIGAM

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Ref. :-

Geophysical Borehole Logging Report

Name of the site : Alinagar
District : Mau
Date : 16.07.2014
Depth logged : 270.0 mbgl
Depth drilled : 275.0 mbgl
Logged by : Mr. Shivendra Kr. Yadav, Asst. Geophysicist
Logger Used : UPJN
Presence : Er. Surendra Yadav, J.E.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl. No.	Depth range(mbgl)	Thickness(m)	Remarks
1	53.0 - 60.0	7.0	} Good
2	66.0 - 74.0	8.0	
3	91.0 - 101.0	10.0	
4	183.0 - 193.0	10.0	
5	233.0 - 240.0	7.0	
6	245.0 - 265.0	20.0	

S. Sahai
(Dr. S. Sahai)
Sr. Geophysicist

Copy:

1. Manager (G.W.), U.P. Jal Nigam, Lucknow.
2. E.E, T.C.D. (E/M), U.P. Jal Nigam, Mau.
for information and necessary action.

S. Sahai
Sr. Geophysicist