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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Amilai - Kaptanganj

District : Azamgarh

Date : 28.02.2016

Depth logged : 149.0 mbgl

Depth drilled : 150.0 mbgl

Logger used : AXWS

Presence : Er. Sandeep 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	30.0—35.0	5.0	Good all
2	40.0—52.0	12.0	
3	55.0—70.0	15.0	
4	75.0—82.0	7.0	
5	93.0—97.0	4.0	
6	99.0—103.0	4.0	
7	105.0—108.0	3.0	
8	121.0—125.0	4.0	
9	130.0—135.0	5.0	

Note. Sl. No. 4 is kanker intermixed. Sl.Nos 7,8,9 are very fine sand intermixed with kanker.

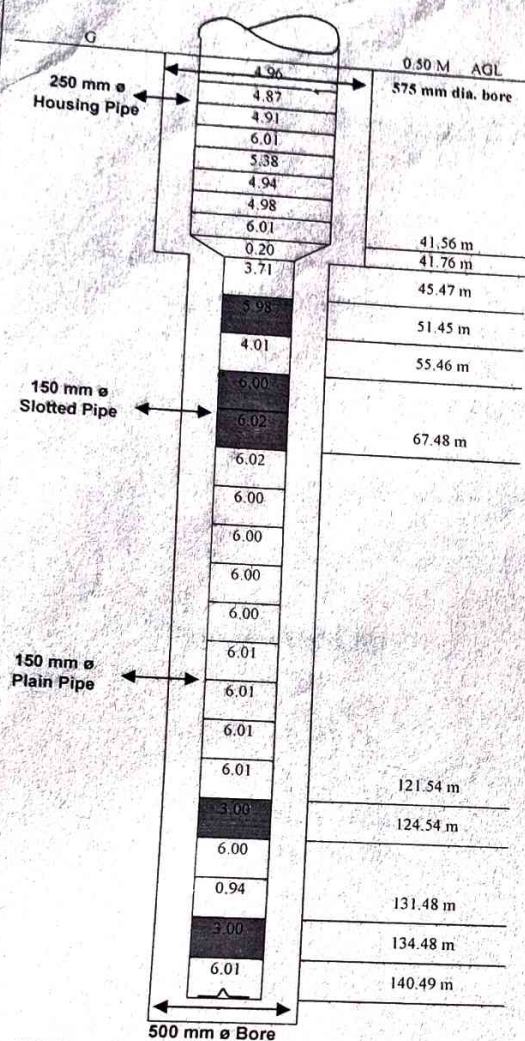
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1. C.E.(E/M), U.P.Jal Nigam, Lucknow.
2. E.E., T.C.D.(E/M), U.P.Jal Nigam, Mau
for information and necessary action.

(Dr.R.A.Yadav)
Manager(Ground Water)

REPORT OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)
U.P. JAL NIGAM, MAU.
Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Amilai
water supply scheme, Block- Tahbarpur, District- Azamgarh.

Detail of Strata



AGL + BGL
 0.50 + 140.49 = 140.99 mts.

Detail of Lowering Dated

(Not to Scale)

Sl. No.	Particulars	Remarks
1	Drilling depth	14-03-2016
2	Drilling by contractor	150 mts.
3	Total housing pipe dia 250 mm	D.C. Rig M/C
4	Total Plain pipe dia 150 mm	42.06 mt.
5	Total Slotted pipe dia 150 mm	74.73 mt.
6	Size of assembly lowering	24.00 mt.
7	250mm x 150 mm M.S. Reducer	250mm x 150 mm
		0.20 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	3	3	Surface Clay
3	28	25	Clay
28	33	5	Very Fine Sand
33	46	13	Kankar Clay
46	50	4	V. Fine Sand with Kankar
50	63	13	Fine Sand
63	67	4	Sand with Kankar
67	71	4	V. Fine Sand with clay & Kankar
71	91	20	Kankar Clay
91	96	5	Sandy Clay
96	100	4	Sand with Clay
100	108	8	Clay Kankar
108	121	13	Sandy Clay
121	127	6	V. Fine Sand with Kankar
127	132	5	Clay Kankar
132	140	8	V. Fine with Kankar
140	150	10	Clay Kankar

Logging Report

Date 28-02-2016

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TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : 30-05-2016

Discharge measured by 90° V Notch.						Date of Test : - 30-05-2016						Remark
Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				
	In Inches	In L.P.M	Starting	Runnin g	Kg/cm ²	mts		5 Min	10 Min	15 Min	20 Min	
1	8½	1834	13.50	12.50	1.00	10.00	8600	3400	2200	800	400	
Note- Recommended for development of T/W by O.P. Unit.												

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

Discharge measured by orifice meter- 150mm x 125 mm size. Date of Test : 13-07-2016

Sl. No.	Discharge		Water level in mts		Depression in meters	Starting	Sand contents in P.P.M. After				Remark
	Inches	In L.P.M	Running	Static			5 Min	10 Min	15 Min	20 Min	
1	3	800	8.85	5.75	3.10	50	Tr	Cl	Cl	Cl	
2	5	1000	9.45	5.75	3.70	150	50	Tr	Cl	Cl	
3	7	1200	10.15	5.75	4.40	200	50	25	Tr	Tr	

Recommended Discharge 700LPM after 10 min. in by pass.

M/s Shiv Drillers, Kolkata
 Contractor

(S.K. Yadav)
 J. E.

(V.K. Singh)
 Assistant Engineer

(N.A. Khan)
 Executive Engineer