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UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow-226001

Ref.

Geophysical Borehole Logging Report

Name of the site : Bhanwarkol

District : Mau

Date : 16.10.2015

Depth logged : 202.0 mbgl

Depth drilled : 205.0 mbgl

Logger used : GIT

Presence : Er.Rajesh, 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	45.0-----70.0	25.0	Good all
2	80.0-----90.0	10.0	
3	128.0-----132.0	4.0	
4	148.0-----165.0	17.0	
5	190.0-----195.0	5.0	
6	197.0-----200.0	3.0	

Note. Sl.No. 4 is intermixed with kanker.

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

Copy;

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.

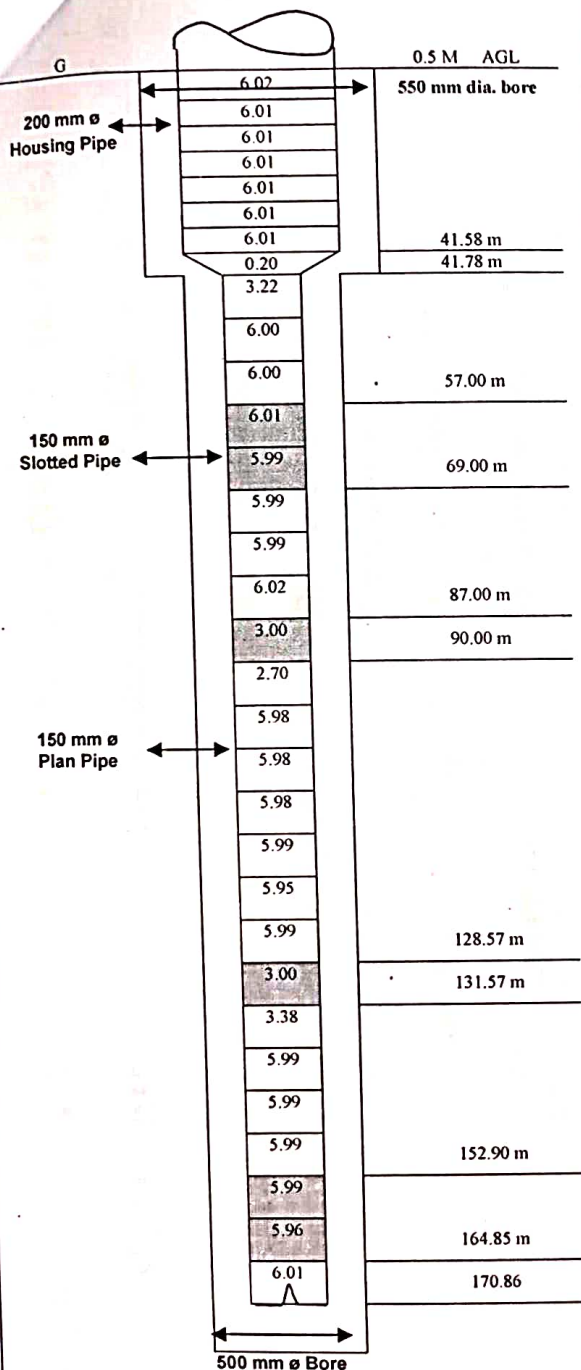
EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

U.P. JAL NIGAM, MAU

Completion Plan of Tube well Assembly Chart cum strata Chart For Bhawarkol water supply scheme, Block- Kopaganj, District- Mau.

(Not to Scale)

Detail of Strata



AGL + BGL
0.5 + 170.86 = 171.36 mts.

Detail of Lowering

1	Drilling depth	200 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Drilling started on	
4	Drilling completed on	27.10-2015
5	Date of lowering	28.10-2015
6	Total housing pipe dia 200 mm	42.08 mt.
7	Total Plain pipe dia 150 mm	99.13 mt.
8	Total Slotted pipe dia 150 mm	29.95 mt.
9	Size of assembly lowering	200mmø x 150 mmø
10	Static Water level	5.00 mts.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	38		Surface Clay with Sand
38	53		Clay Kankar
53	76		Fine to medium Sand with Kankar
76	87		Clay with Kankar
87	95		Medium to Fine Sand with Kankar
95	110		Clay Kankar
110	121		Medium to Fine Sand with Kankar
121	129		Clay Kankar
129	136		Medium to Fine Sand with Kankar
136	152		Clay Kankar
152	178		Fine Sand
178	200		Clay

Logging Report

Date 16-10-2015

Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	45.0 - 70.0	25.0	Good (1-6)
2	80.0 - 90.0	10.0	
3	128.0 - 132.0	4.0	
4	148.0 - 165.0	17.0	
5	190.0 - 195.0	5.0	
6	197.0 - 200.0	3.0	

TEST REPORT OF T.W. DEVOLOPMENT BY AIR COMPRESSOR

Date of testing 28-02-2016

Sl. No.	Discharge		St. Press.	Runnin g Press.	Depression		Sand contents in P.P.M.					Remark
	in inch	in LPM			in Kg/cm ²	in Mtr.	Starting	5 min	10 min	15 min	20 min	
1	9½	2406	15.50	14.80	0.70	7.00	14000	2600	1600	1500	1500	
2	9	2107	15.50	14.90	0.60	6.00	11000	2200	1100	1200	1000	
3	8	1578	15.50	15.05	0.45	4.50	9000	1500	700	500	400	
4	7	1143	15.50	15.10	0.40	4.00	7000	1200	600	400	300	

Note- Recommended for Development by O.P. unit

(M/s Shiv Drillers, Kolkata)
Contractor

(Rajesh Kumar)
J. E.

(S.N. Singh)
Assistant Engineer

(N.A. Khan)
Executive Engineer