



Telephone 0522-2625286
FAX 0522-2625286

UTTAR PRADESH JAL NIGAM

6, Rana Pratap Marg, Lucknow

Ref. :-

Geophysical Borehole Logging Report

Name of the site: 10th Bypass
District : Mau
Date : 28-12-2012
Depth logged : 120.0 mbgl
Depth drilled : 129.0 mbgl
Logger used : UPJN
Presence : En. J. K. Gupta, A.E. & J. K. Singh, A.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.	47.0 - 75.0	28.0	Hard
2.	81.0 - 94.0	13.0	Hard
	/	/	

Note. Sl. No. 1 is Kanker in the area.

28.12.12

S. S. Yadav

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

Copy;

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



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

U.P. JAL NIGAM, MAU

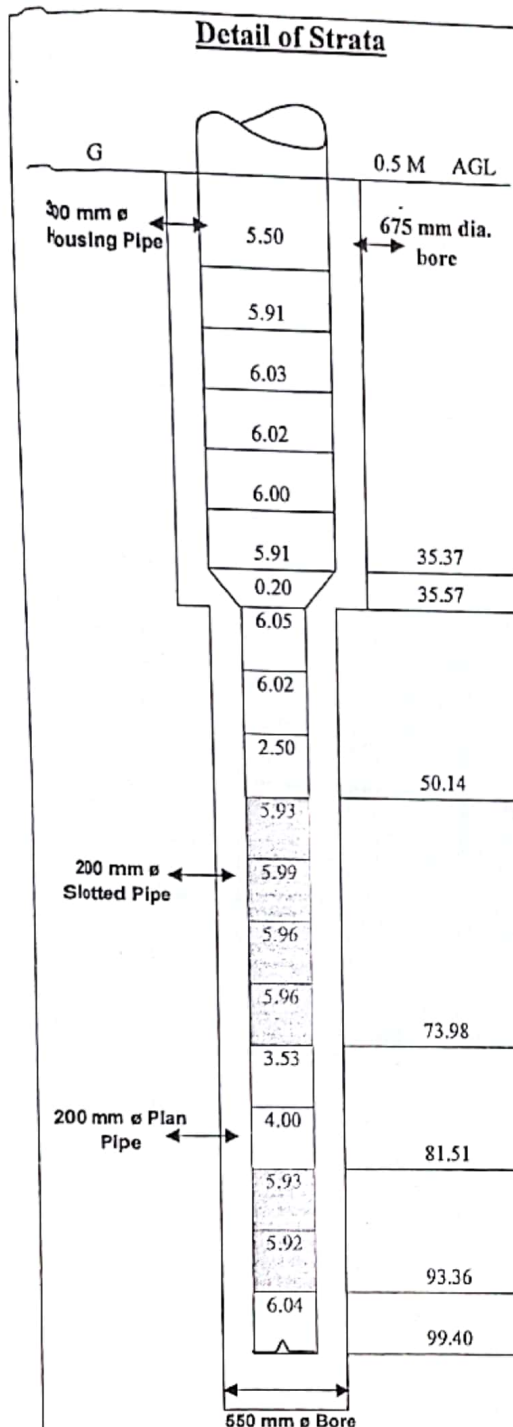
Completion plan of T.W. at

Pakari Bujurg T.W. Distt. Mau

Name of Programe /T.W. Location

N.R.W.S.P. Pakari Bujurg T.W.

(Not to Scale)



Detail of Lowering		
1	Drilling depth	129 mts.
2	Drilling by contractor	R.C. Rig M/C 600/27
3	Drilling started on	22-12-2012
4	Drilling completed on	05-01-2013
5	Date of lowering	05-01-2013
6	Total housing pipe dia 300 mm	35.87 m
7	Total Plain pipe dia 200 mm	28.14 m
8	Total Slotted pipe dia 200mm	35.69 m
9	Size of assembly lowering	300mmø x 200 mmø
10	Static Water level	5.20 m

Detail of Strata			
From (m)	To (m)	Thick (m)	Despriction of the Strata
0	6	6	Surface Clay
6	24	18	Fine Sand
24	45	21	Sandy Clay
45	51	6	Fine Sand
51	60	9	Fine to Medium Sand
60	69	9	Sand with Kankar
69	75	6	Fine to Medium Sand
75	96	21	Medium Sand
96	105	9	Fine Sand
105	129	24	Fine Sand & Clay

Logging Report			
Date		28-12-2012	
SLN.	Depth Range (mbgl)	Thicknees (m)	Remark
1	47.00 - 75.00	28.00	Good
2	81.00 - 94.00	13.00	

TEST REPORT OF T.W. DEVELOPMENT BY 250 P.S.I. COMPRESSOR															
Date of Test :		02-03-2013													
Sl. No	Air line Lower in mtr.	Pressure in kg/cm ²		Depressio n		Discharg e through 90° V-notch		Sand contents in P.P.M.							Remark
		Starting	Running	In kg/cm ²	In mtr.	In cm. / Inches	In L.P.M.	Starting	5 Min	After					
										10 Min	15 Min	20 Min	25 Min	30 Min	
1	93	9.3	8.8	0.5	5.0	9"	2107	5600	3500	2500	1500	1000	800	700	
Note- Recommended for development by O.P. unit															

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YIELD TEST REPORT OF T.W BY 3 CUSEC O.P. UNIT													
Date of Test		16-03-2013											
Sl No.	Discharge By 6"x5" orifice pipe		S.W L In Mts.	R.W L In Mts.	Depression in Mts	Sand contents in P.P.M							Remark
	Inche	L.P.M				After							
						Starting	5 Min	10 Min	15 Min	20 Min	25 Min	30Min	
1	25"	2440	5.20	8.50	3.30	700	150	100	50	Tr	Tr	Tr	
2	16"	1960	5.20	7.90	2.70	400	100	50	Tr	Tr	Tr	Cl	
3	10"	1560	5.20	7.30	2.10	250	50	Tr	Cl	Cl	Cl	Cl	
Note- Recommended discharge 1500 LPM at 2.10 m. depression pump should be run for 10 minutes through the by pass..													

Note- Recommended discharge 1500 LPM at 2.10 m. depression pump should be run for 10 minutes through the by pass.

(Suresh Yadav)
J. E.

(J.K. Gupta)
Assistant Engineer

(R.S. Singh)
Executive Engineer