GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :-

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Ibrahimpur. Block Mohamdabad
2. District:- Azamgarh
3. Dt. Of logging:-. 21.1.19
4. Drilled depth(as reported):- 275.0mbgl
5. Logged depth:- 215.00mbgl
6. Logger no.:- AX
7. Concerned JE:- Er.,S.P.Yadav, JE
8. Based on the geophysical log interpretation following granular zones may be deciphered, particularly with respect to salinity of the formation water.

Sl. No.	Zones (mbgl)	Thickness(mts.)	Remarks
1	32.0-41.0	9.0	Good
2	51.0-58.0	7.0	Good
3	66.0-73.0	7.0	Good
4	75.0-80.0	5.0	Good
5	83.0-93.0	10.0	Good
6	95.0-99.0	4.0	Good

Below 104.0 mbgl the quality of formation water is deteriorating from marginal to saline till depth logged.

(Dr. S.Sahai)

Manager (Ground Water)

c.c.

1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action.

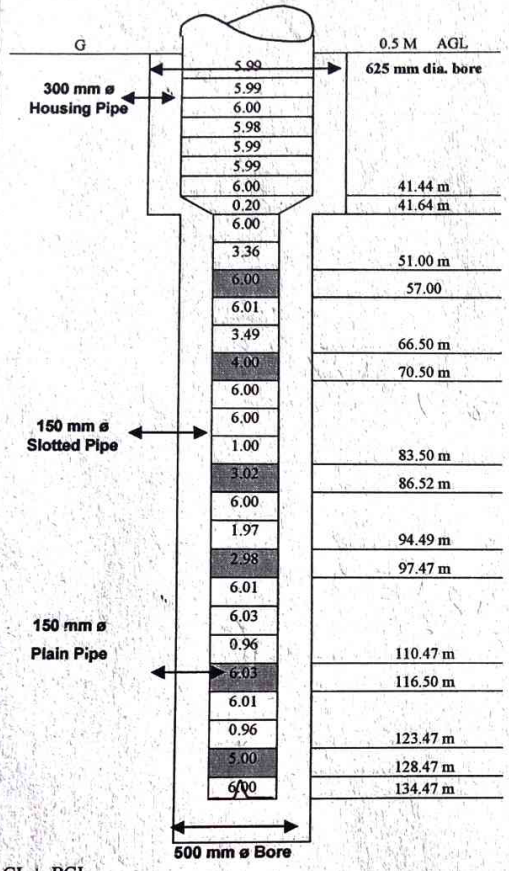
Manager (Ground Water)

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)
U.P. JAL NIGAM, MAU

Completion Plan of Tube well Assembly Chart cum strata Chart For Ibrahimpur T.W. No.-1 water supply scheme, Block- Sathiyaon, District- Azamgarh.

(Not to Scale)

Detail of Strata



AGL + BGL
0.5 + 134.47 = 134.97 mts.

Detail of Lowering

1	Drilling depth	278 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Drilling started on	17-03-2015
4	Drilling completed on	28-04-2015
5	Date of lowering	29-04-2015
6	Total housing pipe dia 300 mm	41.94 mt.
7	Total Plain pipe dia 150 mm	65.80 mt.
8	Total Slotted pipe dia 150mm	27.03 mt.
9	Size of assembly lowering	300mmø x 150 mmø
10	Static Water level	mts.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	30		Clay with Kankar
30	36		Kankar
36	54		Clay
54	66		Kankar
66	133		Clay with Kankar
133	182		Clay
182	231		Clay with Fine Sand
231	244		Clay with Kankar
244	250		Clay with Fine Sand
250	266		Clay
266	271		Very Fine Sand with Kankar
271	278		Very Fine Sand with Clay

Logging Report

Date 17-04-2015

Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	35.0 – 42.0	7.0	Good All
2	50.0 – 58.0	8.0	
3	66.0 – 71.0	5.0	
4	83.0 – 87.0	4.0	
5	94.0 – 98.0	4.0	All Zones are fine sand intermixed with Kankar in nature.
6	110.0 – 117.0	7.0	
7	123.0 – 129.0	6.0	
8	225.0 -232.0	7.0	

TEST REPORT OF T.W. DEVOLOPMENT BY AIR COMPRESSOR

Date of Test 19-05-2015

Sl. No	Air line Lower in mtr.	Pressure in kg/cm²		Depression		Discharge through 90° V- notch		Sand contents in P.P.M.				Remark
									After			
		Starting	Running	In kg/cm²	In mtr.	In cm. / Inches	In L.P.M.	Starting	5 Min	10 Min	15 Min	
1	93	11	10	1.0	10	9"	2107	9200	3800	2600	1800	

Note- Recommended for development by **O.P. unit**

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

Date of Test 08-07-2015

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
							After			
	Inche	L.P.M				Starting	5 Min	10 Min	15 Min	
1	10"	1476	12.90	7.43	5.47	300	100	50	Tr	
2	8"	1325	12.00	7.43	4.57	200	50	Tr	Cl	
3	6"	1135	11.80	7.43	4.37	100	Tr	Cl	Cl	

Note- Recommended discharge 1100 LPM at **4.37 m.** depression pump should be run for 10 minutes through the by pass..

(M/S. Shiv Drillers)
Kolkata
Contractor

(Surendra Yadav)
Junior Engineer

(V.K. Singh)
Assistant Engineer

(N.A. Khan)
Executive Engineer