



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :- _____

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Adampur, Sathiyaon
2. District:- Azamgarh
3. Dt. Of logging:- 07.06.19
4. Drilled depth(as reported):- 275.0mbgl
5. Logged depth:- 252.00mbgl
6. Logger no:- AquaXplore, Lucknow
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	25.0-31.0	6.0	Good
2	39.0-44.0	5.0	Good
3	49.0-59.0	10.0	Good
4	70.0-75.0	5.0	Good
5	77.0-80.0	3.0	Good
6	85.0-90.0	5.0	Good
7	92.0-99.0	7.0	Good
8	172.0-176.0	4.0	Good
9	180.0-193.0	13.0	Good
10	242.0-246.0	4.0	Good to Moderate, very fine sand

All zones are kanker intermixed.

Between 105.0 mbgl to 170.0 mbgl the formation water quality is deteriorating from marginal to saline.

(Dr. S.Sahai)

Manager (Ground Water)

c.c.

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

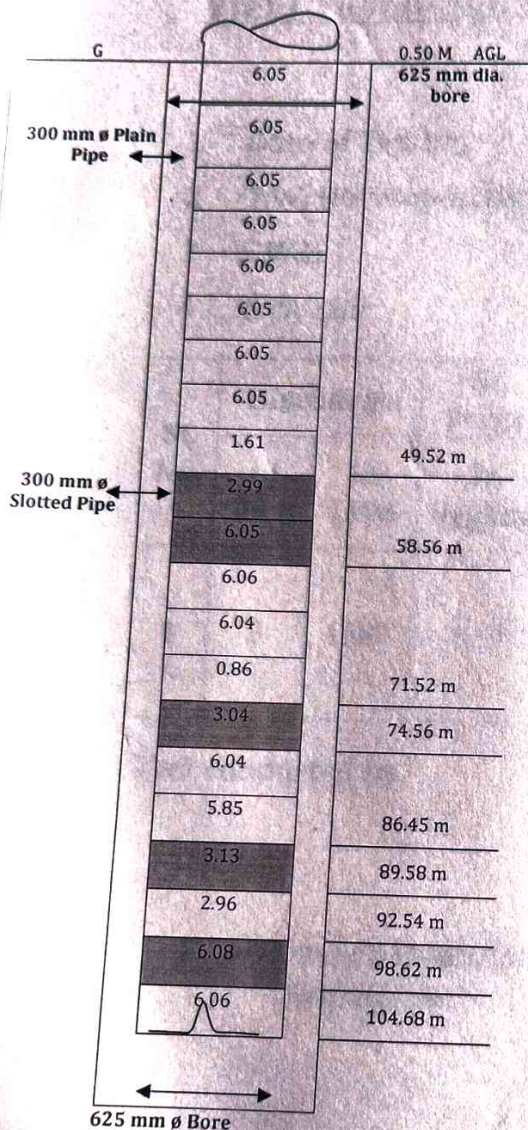
Manager (Ground Water)

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

**Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Adampur
water supply scheme, Block- Sathiyaon, District- Azamgarh.**

(Not to Scale)

Detail of Strata



AGL + BGL
0.50 + 104.68 = 105.18 mts.

Detail of Lowering

Dated- 25-06-2019

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total Plain pipe dia 300 mm	83.89 mt.
4	Total Slotted pipe dia 300 mm	21.29 mt.
5	Size of assembly lowering	300 mm x 300 mm

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	42.00	42.00	Kankar Clay
42.00	54.00	12.00	Fine Sand with Kankar
54.00	66.00	12.00	Kankar
66.00	72.00	6.00	Sandy Clay
72.00	84.00	12.00	Kankar
84.00	90.00	6.00	Fine Sand
90.00	102.00	12.00	Kankar
102.00	120.00	18.00	Fine Sand
120.00	126.00	6.00	Fine sand with Kankar
126.00	136.00	10.00	V. Fine Sand
136.00	162.00	26.00	Fine sand with Kankar
162.00	186.00	24.00	V. Fine Sand
186.00	195.00	9.00	Sandy Clay
195.00	198.00	3.00	Fine sand with Kankar
198.00	204.00	6.00	Kankar Clay
204.00	228.00	24.00	V. Fine Sand
228.00	252.00	24.00	Clay with Kankar
252.00	275.00	23.00	Clay

Logging Report

Date 07-06-2019

Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	25.0 - 31.0	6.0	Good
2	39.0 - 44.0	5.0	Good
3	49.0 - 59.0	10.0	Good
4	70.0 - 75.0	5.0	Good
5	77.0 - 80.0	3.0	Good
6	85.0 - 90.0	5.0	Good
7	92.0 - 99.0	7.0	Good
8	172.0 - 176.0	4.0	Good
9	180.0 - 193.0	13.0	Good
10	242.0 - 246.0	4.0	Good to moderate very fine Sand

Note. All zone are Kankar intermixed. between 105.0 mbgl to 170.0 mbgl the formation water quality is deteriorating from marginal to saline.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 20-08-2019

Discharge						Air Pressure in Kg/cm ²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M.				Remark
Sl. No.	In Inches	In L.P.M	Starting	Runni ng	Kg/c m ²	mts	5 Min	10 Min	15 Min		20 Min				
1	8	1587	8.75	8.00	0.75	7.50	7000	5000	2500	1000	500				

Note- Recommended for development of T/W by O.P. Unit.

Note: Recommended for development of T/W by O.P. Unit.

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

Discharge measured by orifice meter- 150mm. x125 mm. size.

Date of Test :- 02-09-2019

Sl. No.	Discharge		Water level in mts.		Depres sion in meters	Starting	Sand contents in P.P.M.				Remar k
	In Inches	In L.P.M	Running	Static			5 Min	10 Min	15 Min	20 Min	
1	10	1487	5.65	4.00	1.65	200	50	Tr	Cl	Cl	
2	8	1324	5.10	4.00	1.10	50	20	Tr	Cl	Cl	
3	6	1135	4.50	4.00	0.50	20	Tr	Cl	Cl	Cl	

Recommended Discharge 900 LPM after 10 min. in by pass.

(M/s Harish Chandra Singh,)
Gorakhpur Contractor

(Signature)
(S.P. Yadav)
J. E.

(Signature)
(V.K. Singh)
Assistant Engineer

(Signature)
(J.K. Gupta)
Executive Engineer