



GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Sipaibrahimabad, Block Ghosi
2. District:- Mau
3. Dt. Of logging:- 03.02.2021
4. Drilled depth(as reported by concerned JE):- 275.0mbgl
5. Logged depth:- 275.0 mbgl
6. Logger no.:- AquaXplore, Lucknow
7. Concerned JE:- Er. Sudhir Kumar, 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	36.0-40.0	4.0	Good, very fine sand
2	52.0-56.0	4.0	Good, very fine sand
3	78.0-86.0	8.0	Good
4	109.0-116.0	7.0	Good, fine sand
5	187.0-197.0	10.0	Good
6	202.0-209.0	7.0	Good
7	262.0-275.0	13.0	Good

All zones are kanker intermixed.

S. Sahai

(Dr. S.Sahai)

Manager (Groundwater)

c.c.

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

S. Sahai

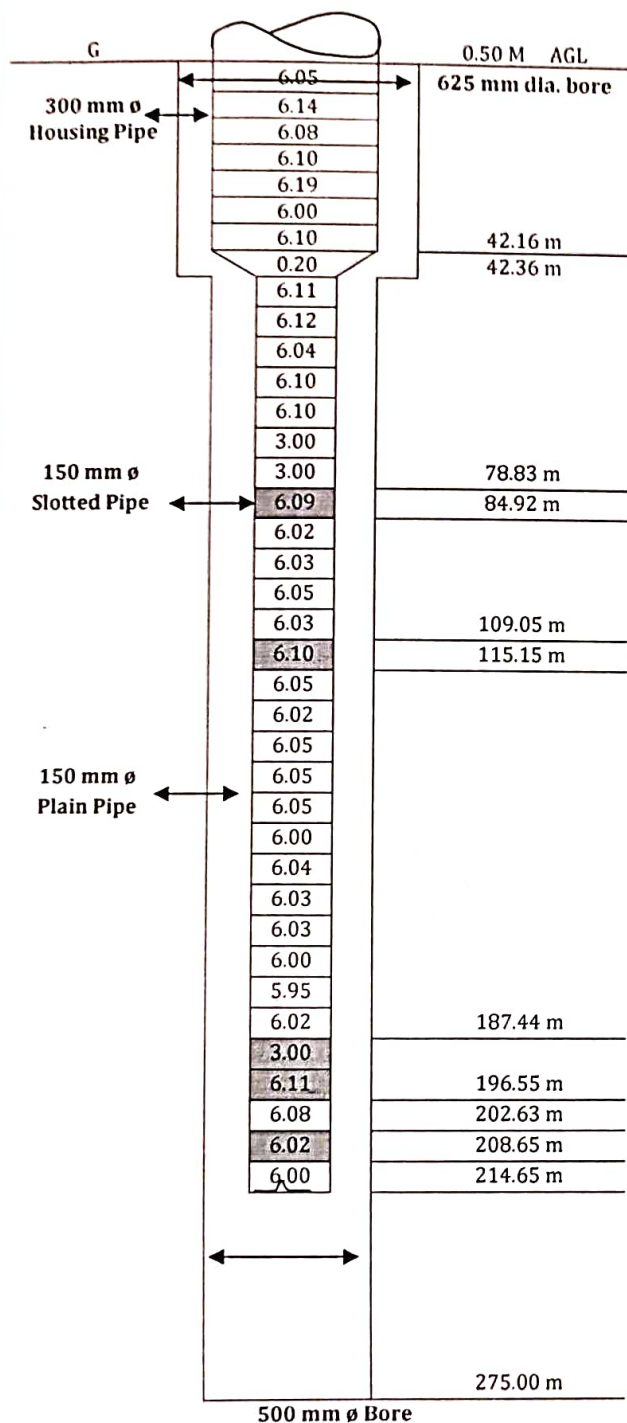
Manager (Groundwater)

ICE 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 Sipah Ibrahimabad water supply scheme, Block- Ghosi, District- Mau. (Under Programme- J.J.M.)

(Not to Scale)

Detail of Strata



Detail of Lowering

Date- 17-02-2021

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.66 mt.
4	300mmø x 150 mmø M.S. Reduser	0.20 mt
5	Total Plain pipe dia 150 mm	144.97mt.
6	Total Slotted pipe dia 150 mm	27.32 mt.
7	Size of assembly lowered	300mmø x 150 mmø

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	30.00	30.00	Sandy Clay
30.00	42.00	12.00	Fine Sand
42.00	60.00	18.00	Clay with Kankar Intermixed
60.00	72.00	12.00	Clay
72.00	90.00	18.00	M. Sand
90.00	102.00	12.00	Clay with Kankar
102.00	118.00	16.00	M. Sand
118.00	160.00	42.00	Clay
160.00	184.00	24.00	Clay with Kankar
184.00	210.00	26.00	M. Sand
210.00	260.00	50.00	Clay with Kankar
260.00	275.00	15.00	Clay

Logging Report

Date 03-02-2021

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	36.0-40.0	4.0	Good, very fine sand
2	52.0-56.0	4.0	Good, very fine sand
3	78.0-86.0	8.0	Good
4	109.0-116.0	7.0	Good, fine sand
5	187.0-197.0	10.0	Good
6	202.0-209.0	7.0	Good
7	262.0-275.0	13.0	Good

Note- All zones are kanker intermixed.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 09-04-2021

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Running	Kg/cm ²	mts		5 Min	10 Min	15 Min	20 Min	
1	7	1144	20.0	19.0	1.0	10.0	3600	3000	2200	1700	1100	

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 :- 19-06-2021

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remarks
	In Inches	In L.P.M	Running	Static		Starting	After				
							5 Min	10 Min	15 Min	20 Min	
1	15	1817	8.85	5.00	3.85	200	100	50	Tr	Cl	
2	13	1696	8.25	5.00	3.25	100	50	Tr	Cl	Cl	
3	10	1488	7.75	5.00	2.75	50	Tr	Cl	Cl	Cl	

Recommended Discharge 1000 LPM after 20 min. in by pass.

AGL + BGL

0.50 + 214.65 = 215.15 mts.

M/s Ashoka Gomti Nagar Lucknow
Contractor

(Sudhir Kumar)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.R. Gupta)
Executive Engineer