



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :- _____

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Lahuva Khurd, Block, Palahala
2. District:- Azamgarh
3. Dt. Of logging:- 10.05.19
4. Drilled depth(as reported):- 106.0mbgl
5. Logged depth:- 103.00mbgl
6. Logger no.:- UPJN 6095
7. Logged By:- Mr. Gaurav Shukla, Asstt. Hydrogeologist
8. Concerned JE:- Er. Anoj Kumar Yadav, JE
9. Based on the geophysical log interpretation following granular zones may be deciphered, particularly with respect to salinity of the formation water.

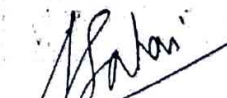
Sl. No.	Zones (mbgl)	Thickness(mts.)	Remarks
1	26.0-34.0	8.0	Good
2	36.0-42.0	6.0	Good
3	47.0-57.0	10.0	Good
4	70.0-75.0	5.0	Good
5	83.0-90.0	7.0	Good

All zones are fine sand kanker intermixed.


(Dr. S. Sahai)
Manager (Ground Water)

c.c.

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

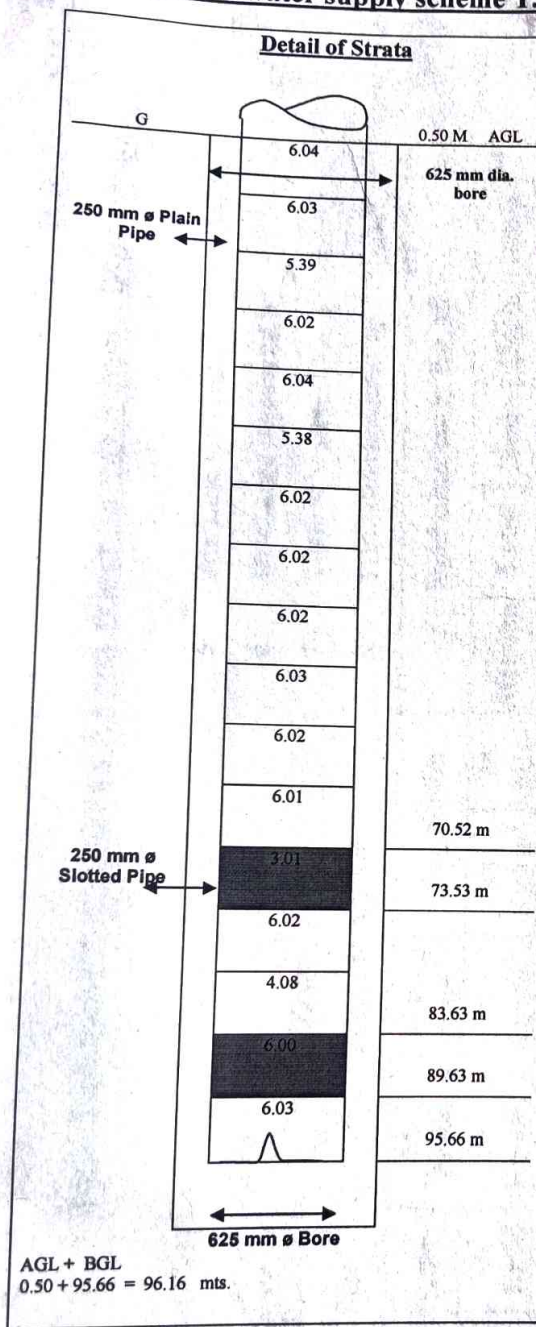

Manager (Ground Water)

Scanned by CamScanner

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 Lahuwa
Khurd water supply scheme T.W. No-1, Block- Palhana, District- Azamgarh.

(Not to Scale)



Detail of Lowering

Dated- 12-01-2017

1	Drilling depth	200 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total Plain pipe dia 250 mm	87.15 mt.
5	Total Slotted pipe dia 250mm	9.01 mt.
6	Size of assembly lowering	250mmø x 250 mmø

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	3	3	Surface Clay
3	42	39	Clay
42	48	6	Sandy Clay
48	80	32	Sandy Clay with Kankar
80	85	5	Clay Kankar
85	92	7	Sandy Clay with Kankar
92	122	30	Clay
122	125	3	Kankar
125	134	9	Sandy Clay
134	140	6	Clay
140	143	3	Clay Kankar
143	146	3	Sandy Clay
146	200	54	Clay

Logging Report

Date 31-12-2016

SL.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	50.0—57.0	7.0	Marginal (1)
2	70.0—74.0	4.0	Moderate(2&4)
3	76.0—80.0	4.0	Moderate to
4	83.0—90.0	7.0	marginal(3)

Note. Quality of the formation water is deteriorating to saline below 95.0 mbgl till depth logged.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 05-02-2017

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Startin g Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Startin g	Runni ng	Kg/c m ²	mts		5 Min	10 Min	15 Min	20 Min	
1	5½	622	9.00	6.50	2.50	25	16000	9000	6000	3000	1500	
Note- Recommended for development of T/W by O.P. Unit.												

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

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

Date of Test :- 20-07-2017

Sl. No.	Discharge		Water level in mts.		Depre ssion in meters	Starting Sand	Sand contents in P.P.M. After				Remar k
	In Inches	In L.P.M	Runnin g	Static			5 Min	10 Min	15 Min	20 Min	
1	19	700	26.45	6.00	20.45	500	150	50	25	10	
2	14	600	25.65	6.00	19.65	300	50	25	Tr	Cl	
3	10	500	25.25	6.00	19.25	100	25	Cl	Cl	Cl	

Recommended discharge 500 LPM after 10 Min. in by pass and Pump should be lowered with 36 mt. M.S. Column pipe.

(M/S. Shiv Drillers)
 Kolkata
 Contractor

(S.K. Yadav)
 J. E.

(V.K. Singh)
 Assistant Engineer

(N.A. Khan)
 Executive Engineer