



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

# UTTAR PRADESH JAL NIGAM

Ref :-

Dated :-

## GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Rampur Badauna, Block Lalganj
2. District:- Azamgarh
3. Dt. Of logging:- 12.09.19
4. Drilled depth( as reported):- 153.0mbgl
5. Logged depth:- 150.0mbgl
6. Logger no.:- 6095
7. Logged By:- Mr. Gaurav Shukla, Asstt. Hydrogeologist
8. Concerned JE:- Er. Anuj 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	15.0-25.0	10 4.0	Good, fine sand
2	30.0-33.0	3 4.0	Good, very fine sand
3	37.0-40.0	3 4.0	Good, very fine sand
4	47.0-59.0	12.0	Good, fine sand
5	71.0-75.0	4.0	Good, very fine sand

All zones are kanker intermixed. Below 79.0 mbgl till depth logged the quality of formation water is saline.

*S. V. K. Singh*

*Er. Anuj Yadav JE*

(Dr. S. Sahai)

Manager ( Ground Water )

c.c.

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

*S. Sahai*  
Manager ( Ground Water )

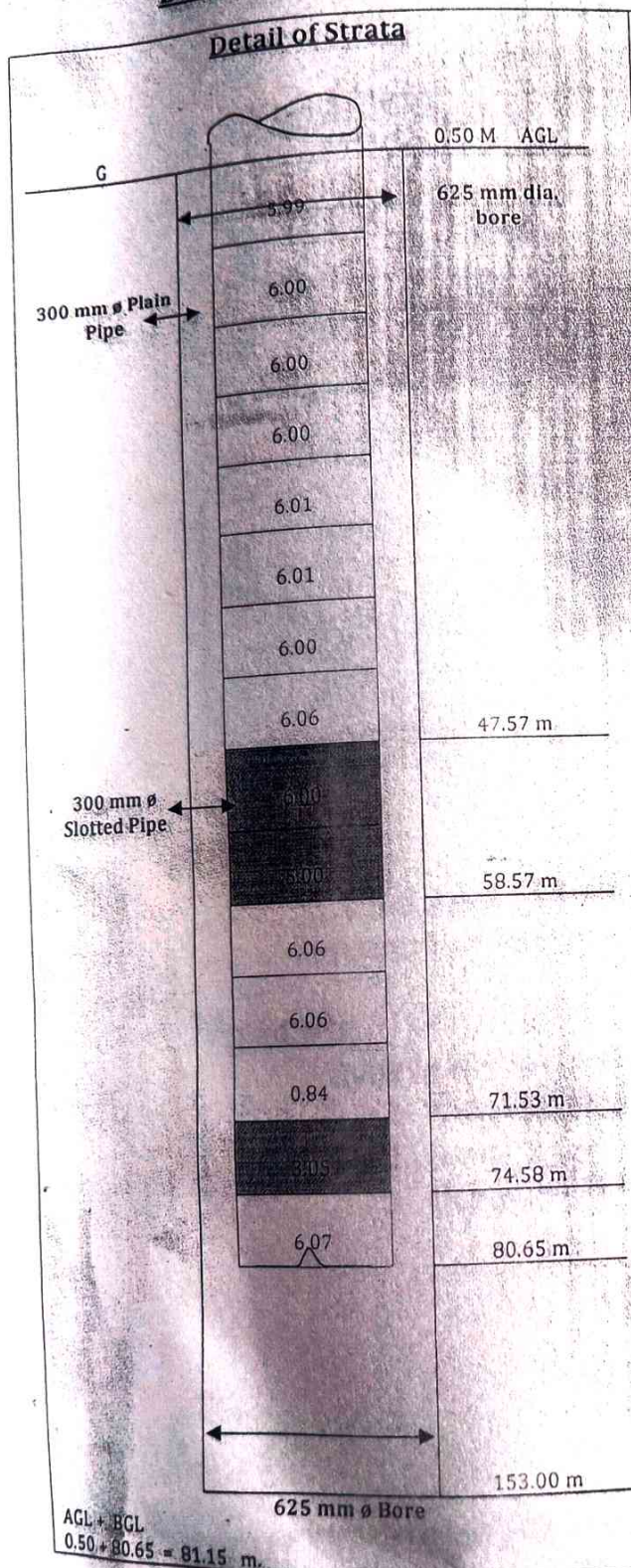


# OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M) U.P. JAL NIGAM, MAU.

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Rampur  
Badhauna water supply scheme. Block- Lalganj. District- Azamgarh.

## Detail of Strata

(Not to Scale)



## Detail of Lowering

Dated- 25-06-2019

1	Drilling depth	153 m.
2	Drilling by contractor	D.C. Rig M/C
3	Total Plain pipe dia 300 mm	67.10 m.
4	Total Slotted pipe dia 300 mm	14.05 m.
5	Size of assembly lowering	300 mm $\phi$ x 300 mm $\phi$

## Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	16.00	16.00	Sandy Clay
16.00	40.00	24.00	Fine Sand
40.00	46.00	6.00	Sandy Clay
46.00	59.00	13.00	Sand with Kankar Clay
59.00	71.00	12.00	Sand with Kankar
71.00	77.00	6.00	Clay Kankar
77.00	153.00	76.00	Clay Kankar

## Logging Report

Date 12-09-2019

Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	15.0 - 25.0	10.0	Good, Fine Sand
2	30.0 - 33.0	3.0	Good, very Fine Sand
3	37.0 - 40.0	3.0	Good, very Fine Sand
4	47.0 - 59.0	12.0	Good, Fine Sand
5	71.0 - 75.0	4.0	Good, very Fine Sand

Note. All zones are kanker intermixed. Below 79.0 mbgl till depth logged the quality of formation water is saline.

## TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test: - 11-12-2019

Discharge measured by 50" V. Hotchkiss. Date 04-04-04												
Sl. No.	Discharge		Air Pressure in Kg/cm <sup>2</sup>		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 <sup>2</sup>	m		5 Min	10 Min	15 Min	20 Min	
1	6½	947	7.00	6.50	0.50	5.00	8000	4000	2500	2000	1800	
used 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 :- 12-01-2021

Date of Test: 22-05-2024

Sl. No.	Discharge		Water level in m.		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	25	795	13.60	10.0	3.60	400	200	50	20	Tr	
2	20	708	13.35	10.0	3.35	200	75	20	Tr	Cl	
3	18	674	12.15	10.0	2.15	50	Tr	Cl	Cl	Cl	

Recommended Discharge 600 LPM after 10 min. in by pass.

Recommended Discharge 600 LPM after 10 min. in by pass.

M/s Ashoka & Yuvraj Construction  
Lucknow

(A.K. Yadav)  
J.E.

(M.N. Maurya)  
Assistant Engineer

(J.K. Gupta)  
Executive Engineer