



GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :- 10.07.2017

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Oril
2. District:- Azamgarh
3. Dt. Of logging:- 22.07.2017
4. Drilled depth(as reported):- 275.00mbgl
5. Logged depth:- 260.00mbgl
6. Logger no.:- AX
7. In the presence of:- Er. V.K.Singh, AE
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	40.0-47.0	7.0	Good
2	54.0-59.0	5.0	Good, fine sand kanker intermixed
3	63.0-67.0	4.0	Good, fine sand kanker intermixed
4	95.0-102.0	7.0	Good
5	110.0-115.0	5.0	Good
6	122.0-129.0	7.0	Good
7	165.0-179.0	14.0	Good
8	197.0-214.0	17.0	Good

S. Sahai
24.7.17

(Dr. S.Sahai)

Manager (Groundwater)

c.c.

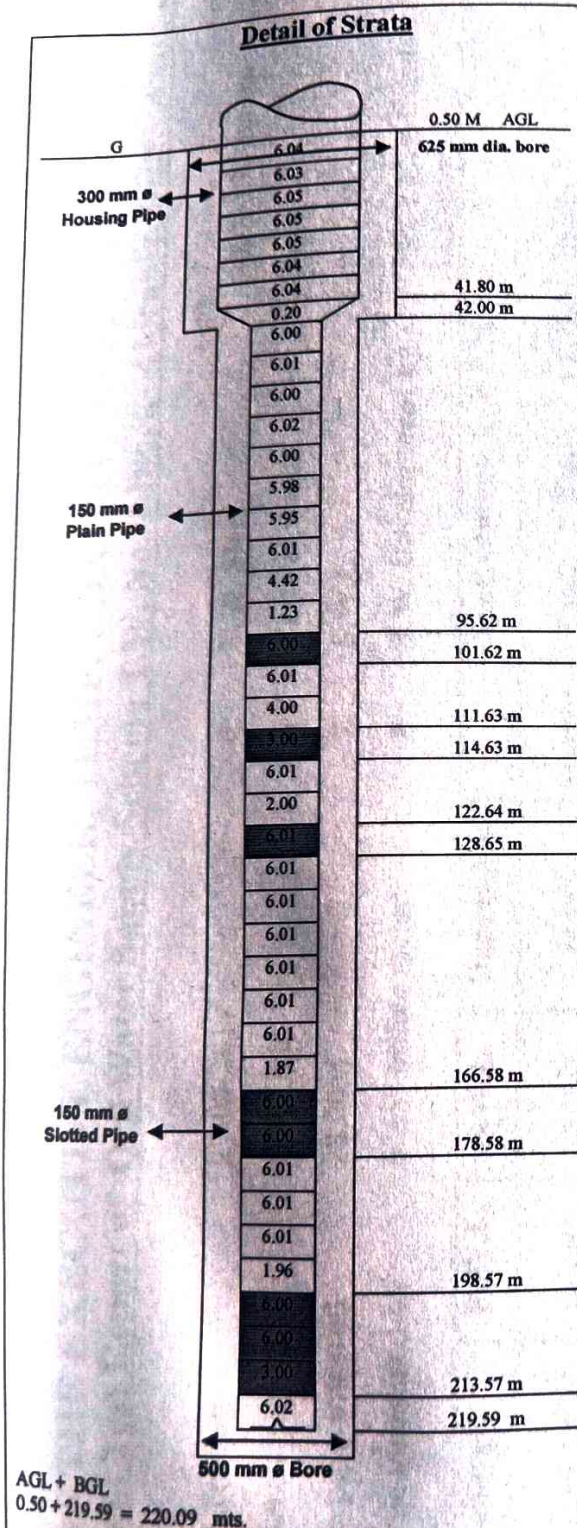
✓ EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action.

S. Sahai
24.7.17

Manager (Groundwater)

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 Oril water supply scheme, T.W. No-1 Block- Ahiraula, District- Azamgarh.



Detail of Lowering

(Not to Scale)

Sl. No.	Detail of Lowering	Date- 02-08-2017
1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.30 mt.
4	Total Plain pipe dia 150 mm	135.58 mt.
5	Total Slotted pipe dia 150 mm	42.01 mt.
6	Size of assembly lowering	300mm ϕ x 150 mm ϕ M.S. Reduser
7	300mm ϕ x 150 mm ϕ M.S. Reduser	0.20 mt

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	28	28	Clay
28	71	43	Fine Sand with Kankar
71	83	12	Clay Kankar
83	102	19	Fine Sand with Kankar
102	114	12	Fine Sand
114	151	37	Course Sand
151	186	35	Fine Sand with Kankar
186	231	45	Fine Sand
231	237	6	Clay Kankar
237	262	25	Sandy Clay
262	275	13	Clay Kankar

Logging Report

Date 22-07-2017

SL. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	40.0 - 47.0	7.0	Good
2	54.0 - 59.0	5.0	Good, fine sand Kankar Intermixed
3	63.0 - 67.0	4.0	Good, fine sand Kankar Intermixed
4	95.0 - 102.0	7.0	Good
5	110.0 - 115.0	5.0	Good
6	122.0 - 129.0	7.0	Good
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8	197.0 - 214.0	17.0	Good

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 07-09-2017

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	8½	1834	21.00	20.50	0.5	5.0	9200	1500	1000	500	300		
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 :- 27-09-2017

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	9	1400	12.45	9.50	2.95	500	50	25	25	10	
2	8	1324	11.80	9.50	2.30	400	50	25	10	Tr	
3	7	1230	11.54	9.50	2.04	300	25	10	Tr	Cl	
4	6	1135	11.00	9.50	1.50	100	Tr	Cl	Cl	Cl	

Recommended Discharge 1100 LPM after 10 min. in by pass.

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For YUVRAAJ CONSTRUCTIONS

(M/s. Yuvraj Construction)
Lucknow, Contractor

(Santosh Kumar)
J. E.

(V.K. Singh)
Assistant Engineer

(N.A. Khan)
Executive Engineer