



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :- _____

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Chaksikathi T/W no. 2
2. District:- Azamgarh
3. Dt. Of logging:- 28.02.2019
4. Drilled depth(as reported):- 275.0mbgl
5. Logged depth:- 265.00mbgl
6. Logger no.:- AX
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	51.0-66.0	15.0	Good
2	72.0-76.0	4.0	Good
3	85.0-90.0	5.0	Good
4	97.0-101.0	4.0	Good
5	155.0-162.0	7.0	Good
6	174.0-178.0	4.0	Good
7	187.0-191.0	4.0	Good
8	217.0-224.0	7.0	Good
9	228.0-238.0	10.0	Good
10	243.0-250.0	7.0	Good

All zones are fine sand kanker intermixed.

(Dr. S. Sahai)

Manager (Ground Water)

c.c.

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

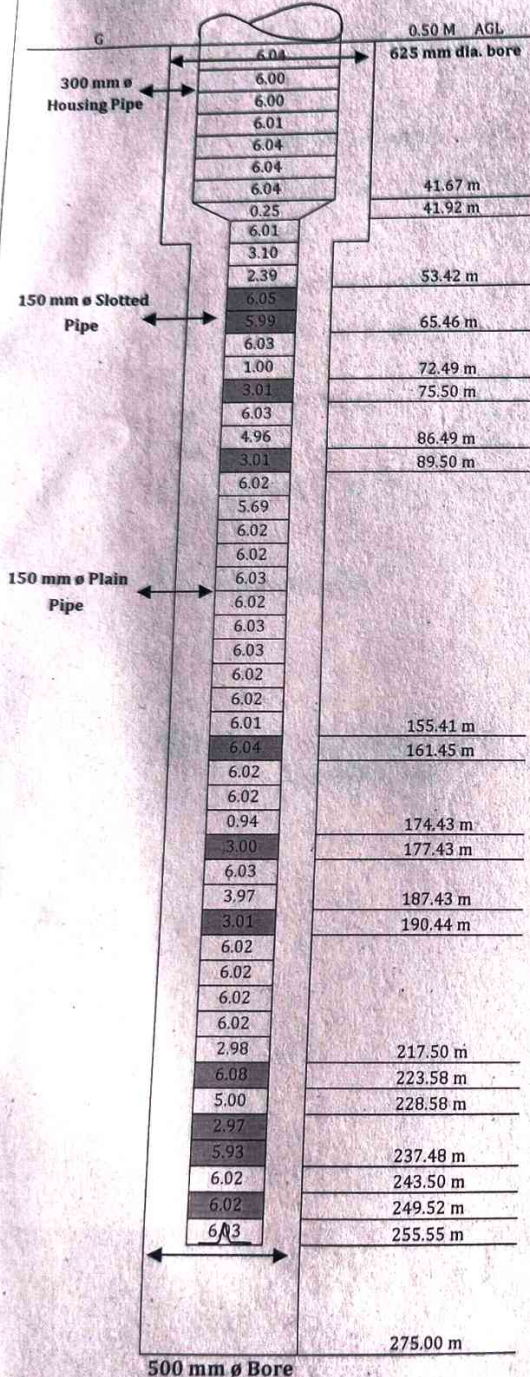
Manager (Ground Water)

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 Chaksikathi water supply scheme. T.W. No.- 2 Block- Sathiyaon, District- Azamgarh.

(Not to Scale)

Detail of Strata



Detail of Lowering

Date- 15-03-2019

1	Drilling depth	275 m.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.17 m.
4	300mm x 150 mm M.S. Reduser	0.25 m
5	Total Plain pipe dia 150 mm	162.52 m.
6	Total Slotted pipe dia 150 mm	51.11 m.
7	Size of assembly lowered	300mm x 150 mm

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	3.00	3.00	Surface Clay
3.00	51.00	48.00	Sandy Clay
51.00	54.00	3.00	Fine Sand yellow
54.00	73.00	19.00	Fine Sand
73.00	90.00	17.00	Fine Sand with Kankar
90.00	144.00	11.00	Sandy Clay with Kankar
144.00	155.00	11.00	Sandy Clay
155.00	177.00	22.00	Fine Sand
177.00	185.00	8.00	Clay
185.00	195.00	10.00	Fine Sand with Kankar
195.00	207.00	12.00	Fine Sand
207.00	239.00	32.00	Fine Sand with Kankar
239.00	242.00	3.00	Clay
242.00	250.00	8.00	Fine Sand with Kankar
250.00	275.00	25.00	Clay

Logging Report

Date 28-02-2019

SLN	Depth Range (mbgl)	Thicknees (m)	Remark
1	51.0 - 66.0	15.0	Good
2	72.0 - 76.0	4.0	Good
3	85.0 - 90.0	5.0	Good
4	97.0 - 101.0	4.0	Good
5	155.0 - 162.0	7.0	Good
6	174.0 - 178.0	4.0	Good
7	187.0 - 191.0	4.0	Good
8	217.0 - 224.0	7.0	Good
9	228.0 - 238.0	10.0	Good
10	243.0 - 250.0	7.0	Good

Note. All Zones are fine sand Kankar Intermixed.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 28-10-2019

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	Runni ng	Kg/c m ²	mts		5 Min	10 Min	15 Min	20 Min	
1	10	2943	25.0	24.50	0.50	5.00	10000	4000	2000	500	200	
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 :- 17-11-2019

Sl. No.	Discharge		Water level in mts.		Depression in meters	Starting	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Running	Static			5 Min	10 Min	15 Min	20 Min	
1	10	1487	12.30	6.00	6.30	200	50	Tr	Cl	Cl	
2	8	1324	10.85	6.00	4.85	50	20	Tr	Cl	Cl	
3	6	1135	9.00	6.00	3.00	20	Tr	Cl	Cl	Cl	

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

AGL + BGL
0.50 + 255.55 = 256.05 m.

(M/s Harish Chandra Singh.)
Gorakhpur Contractor

(S.P. Yadav)
J. E.

(M.N. Maurya)
Assistant Engineer

(J.K. Gupta)
Executive Engineer