



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :- _____

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Khudadadpur,
2. District:- Azamgarh
3. Dt. Of logging:- 31.03.2019
4. Drilled depth(as reported):- 200.0mbgl
5. Logged depth:- 190.00mbgl
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	28.0-32.0	4.0	Good, fine sand
2	38.0-42.0	4.0	Good, fine sand
3	54.0-58.0	4.0	Good, fine sand
4	67.0-86.0	19.0	Good

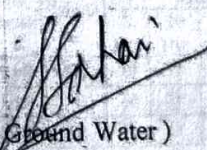
All zones are kanker intermixed. Below 90.0 mbgl till depth logged the quality of formation water is deteriorating from marginal to saline.


(Dr. S. Sahai)

Manager (Ground Water)

c.c.

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


Manager (Ground Water)

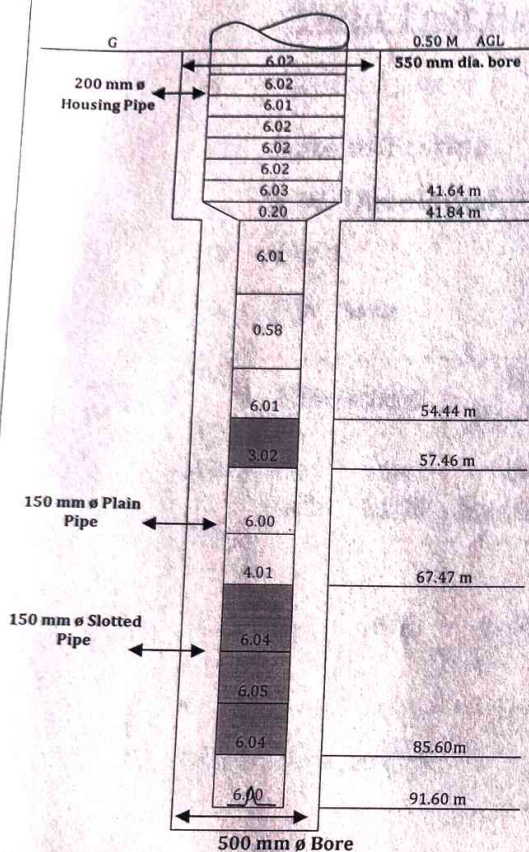
OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

U.P. JAL NIGAM, MAU.

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Khudadadpur water supply scheme, Block- Mirzapur, District- Azamgarh.

(Not to Scale)

Detail of Strata



AGL + BGL
0.50 + 91.60 = 92.10 mts.

Detail of Lowering

Date- 10-04-2019

1	Drilling depth	200 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 200 mm	42.14 mt.
4	200mm x 150 mm M.S. Reduser	0.20 mt.
5	Total Plain pipe dia 150 mm	28.61 mt.
6	Total Slotted pipe dia 150 mm	21.15 mt.
7	Size of assembly lowered	200mm 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	30.00	27.00	Sandy Clay
30.00	33.00	3.00	Fine Sand
33.00	39.00	6.00	Fine Sand with Kankar
39.00	43.00	4.00	Fine Sand
43.00	55.00	12.00	Kankar Clay
55.00	59.00	4.00	Fine Sand
59.00	68.00	9.00	Kankar Clay
68.00	85.00	17.00	Fine Sand
85.00	110.00	25.00	Fine Sand with Kankar
110.00	145.00	35.00	Fine Sand
145.00	200.00	55.00	Kankar with Fine Sand

Logging Report

Date 31-03-2019

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	28.0 - 32.0	4.0	Good
2	38.0 - 42.0	4.0	Good
3	54.0 - 58.0	4.0	Good
4	67.0 - 86.0	19.0	Good

Note: All Zones are Kankar Intermixed. Below 90.0 mbgl till depth logged the quality of formation water is deteriorating from marginal to saline.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 16-06-2019

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	8¼	1686	8.50	8.00	0.50	5.00	8000	5500	3000	1200	600	

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 :- 10-08-2019

Date of Test: 10/08/201												
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	10	1487	7.65	6.00	1.65	200	50	Tr	Cl	Cl		
2	7	1230	7.10	6.00	1.10	50	20	Tr	Cl	Cl		
3	5	908	6.50	6.00	0.50	20	Tr	Cl	Cl	Cl		
Recommended Discharge 200 LPM after 10 min. in by pass.												

Recommended Discharge 700 LPM after 10 min. in by pass.

(M/s Harish Chandra Singh.)
Gorakhpur Contractor

(S.P. Yadav)
J. E.

(V.K. Singh)
Assistant Engineer

(J.K. Gupta)
Executive Engineer