



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref:-

Dated :-

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Kutubpur, Kopaganj
2. District:- Mau
3. Dt. Of logging:- 23.02.19
4. Drilled depth(as reported):- 200.00mbgl
5. Logged depth:- 185.0 mbgl
6. Logger no:- AX
7. Concerned JE:- Er. H.S.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	52.0-69.0	17.0	Good
2	75.0-80.0	5.0	Good
3	90.0-93.0	3.0	Good
4	98.0-102.0	4.0	Good
5	109.0-113.0	4.0	Good
6	134.0-137.0	3.0	Good
7	154.0-167.0	13.0	Good

All zones are kanker intermixed.

(Dr/S.S.Sahai)

Manager (Groundwater)

c.c.

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

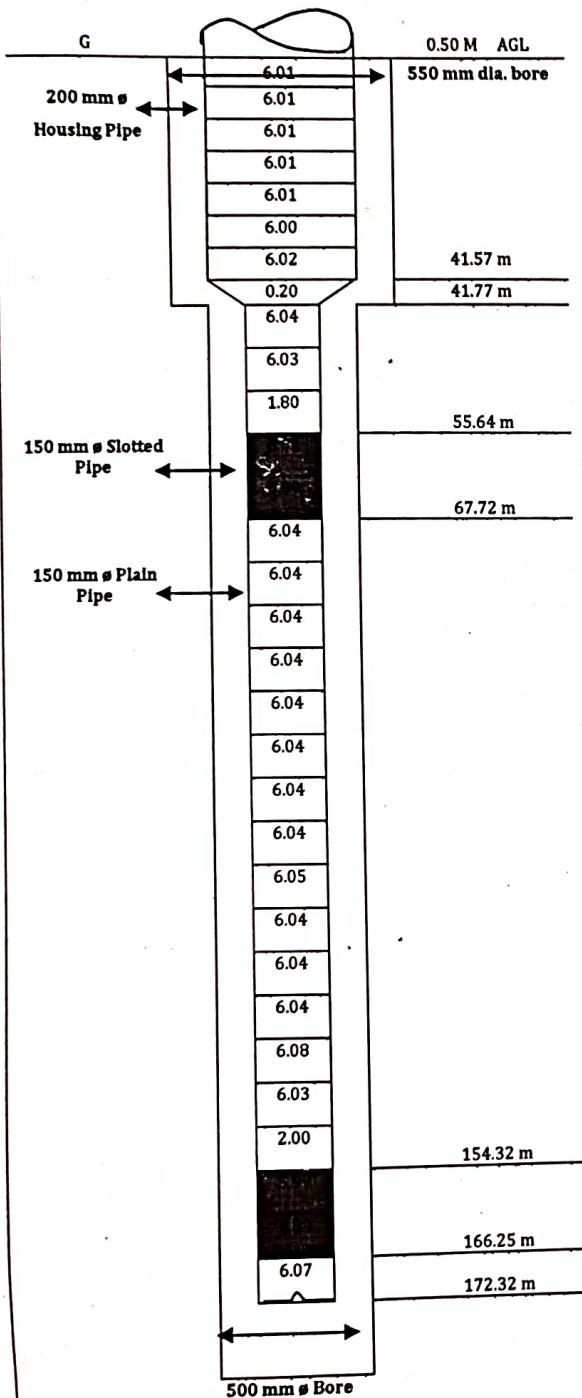
Manager (Groundwater)

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 Kutubpur water supply scheme Block- Kopaganj. District- Mau.

(Not to Scale)

Detail of Strata



AGL + BGL
0.50 + 172.32 = 172.82 mts.

Detail of Lowering

Date- 06-03-2019

1	Drilling depth	200 mts.
2	Drilling by contractor	R.C. Rig M/C
3	Total housing pipe dia 200 mm	42.07 mt.
4	Total Plain pipe dia 150 mm	106.54 mt.
5	Total Slotted pipe dia 150 mm	24.01 mt.
6	Size of assembly lowering	200mmø x 150 mmø
7	200mmø x 150 mmø M.S. Reduser	0.20 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	3.00	3.00	Surface Clay
3.00	36.00	33.00	Clay
36.00	48.00	12.00	Kankar Clay
48.00	69.00	21.00	Medium Sand
69.00	72.00	3.00	Clay
72.00	81.00	9.00	Sandey Clay
81.00	132.00	51.00	Clay
132.00	141.00	9.00	Fine Sand
141.00	144.00	3.00	Sandey Clay
144.00	168.00	24.00	Medium Sand
168.00	186.00	18.00	Sandey Clay
186.00	200.00	14.00	Clay

Logging Report

Date 23-02-2019

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	52.0 - 69.0	17.0	Good
2	75.0 - 80.0	5.0	Good
3	90.0 - 93.0	3.0	Good
4	98.0 - 102.0	4.0	Good
5	109.0 - 113.0	4.0	Good
6	134.0 - 137.0	3.0	Good
7	154.0 - 167.0	13.0	Good

Note- All Zone are Kankar Intermixed.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch. Date of Test: - 07-06-2019

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	Startin g	Runni ng	Kg/ cm ²	mts		5 Min	10 Min	15 Min	20 Min	
1	8	1587	5.0	4.50	0.5	5.00	15000	1000	800	700	300	
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- 100 x 80 mm size.

Date of Test: - 04-07-2019

Sl. No.	Discharge		Water level in mts.		Depre ssion in meter s	Startin g	Sand contents in P.P.M. After				Remar k
	In Inche s	In L.P.M	Runni ng	Static			5Min	10 Min	15 Min	20 Min	
1	16	632	11.20	9.75	1.45	300	50	25	Tr	Tr	
2	12	563	10.85	9.75	1.10	150	50	Tr	Tr	Cl	
3	8	461	10.65	9.75	0.90	100	Tr	Cl	Cl	Cl	

Recommended discharge 400 LPM at 0.90 depression after 10 Min. in by pass.

(M/s Harish Chandra Singh,
Gorakhpur Contractor

(H.R. S. Yadav)
J. E.

(V.K. Singh)
Assistant Engineer

(J.K. Gupta)
Executive Engineer