



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :- _____

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Garhwa
2. District:- Mau
3. Dt. Of logging:- 27.12.18
4. Drilled depth(as reported):- 275.00mbgl
5. Logged depth:- 250.0 mbgl
6. Logger no.:- AX
7. Concerned JE:- Er. Hare Ram Singh 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	24.0-29.0	5.0	Good
2	33.0-40.0	7.0	Good
3	54.0-59.0	5.0	Good
4	70.0-75.0	5.0	Good
5	80.0-84.0	4.0	Good
6	88.0-98.0	10.0	Good
7	101.0-108.0	7.0	Good
8	115.0-119.0	4.0	Good
9	152.0-160.0	8.0	Good
10	220.0-224.0	4.0	Good
11	233.0-238.0	5.0	Good
12	242.0-250.0	8.0	Good

All zones are fine sand kanker intermixed.

(Dr. S.Sahai)

Manager (Groundwater)

c.c.

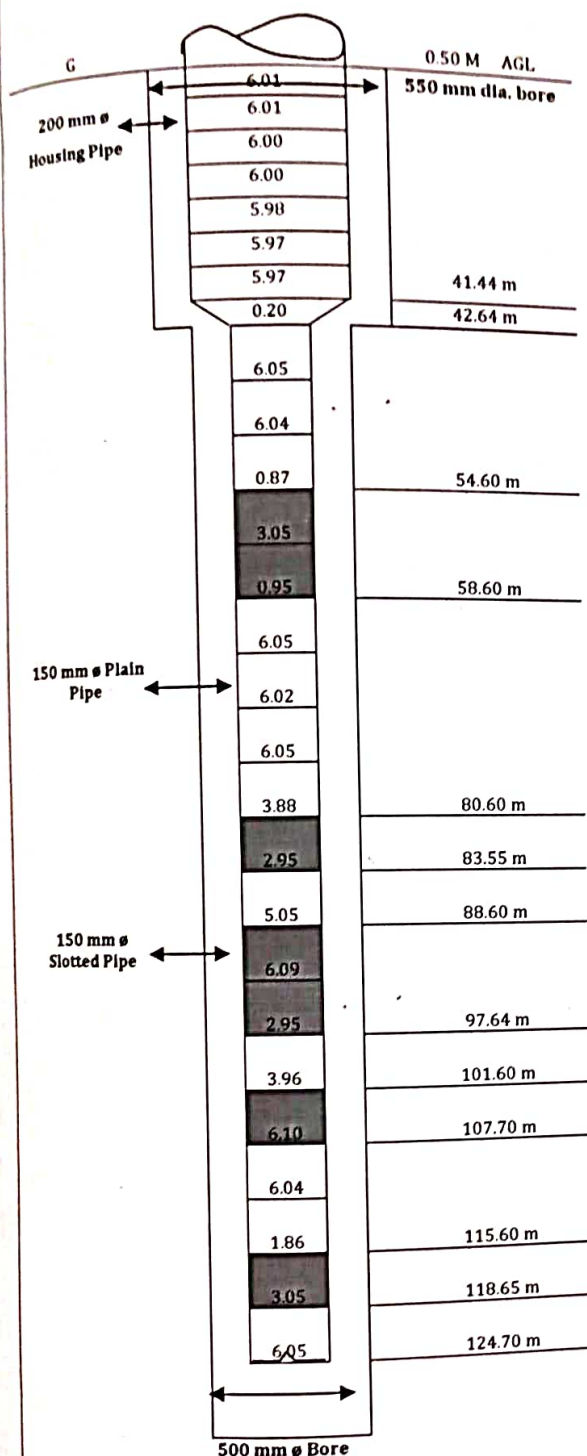
1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action..

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 Gadawa water supply scheme, District- Mau.

(Not to Scale)

Detail of Strata



AGL + BGL
 0.50 + 124.70 = 125.20 mts.

Detail of Lowering

Date- 05-01-2019

1	Drilling depth	250 mts
2	Drilling by contractor	D.C. Pig M/C
3	Total housing pipe dia 200 mm	41.94 mt.
4	Total Plain pipe dia 150 mm	57.92 mt.
5	Total Slotted pipe dia 150 mm	25.14 mt.
6	Size of assembly lowering	200mm x 150 mm
7	200mm x 150 mm M.S. Reducer	0.20 mt

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	6.00	6.00	Surface Clay
6.00	10.00	12.00	Clay Kankar
10.00	24.00	6.00	Pine Sand
24.00	54.00	30.00	Clay Kankar
54.00	66.00	12.00	Pine Sand
66.00	78.00	12.00	Very Fine sand with Kanker
78.00	84.00	6.00	Pine sand
84.00	88.00	4.00	Clay Kankar
88.00	98.00	10.00	Pine Sand
98.00	101.00	3.00	Clay Kankar
101.00	108.00	7.00	Pine Sand
108.00	115.00	7.00	Clay Kankar
115.00	119.00	4.00	Pine Sand
119.00	152.00	33.00	Clay Kankar
152.00	160.00	8.00	Pine Sand
160.00	220.00	60.00	Clay Kankar
220.00	224.00	4.00	Pine Sand
224.00	233.00	9.00	Clay Kankar
233.00	238.00	5.00	Very Fine Sand
238.00	242.00	4.00	Clay Kankar
242.00	250.00	8.00	Pine Sand

Logging Report

Date 27-12-2018

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	24.0 - 29.0	5.0	Good
2	33.0 - 40.0	7.0	Good
3	54.0 - 59.0	5.0	Good
4	70.0 - 75.0	5.0	Good
5	80.0 - 84.0	4.0	Good
6	88.0 - 98.0	10.0	Good
7	101.0 - 108.0	7.0	Good
8	115.0 - 119.0	4.0	Good
9	152.0 - 160.0	8.0	Good
10	220.0 - 224.0	4.0	Good
11	233.0 - 238.0	5.0	Good
12	242.0 - 250.0	8.0	Good

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch. Date of Test :- 02-03-2019

Sl. No.	Discharge		Air Pressure		Depression		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		5Min	10Min	15Min	20Min	
1	14	1760	9.00	8.50	0.5	5.00	8000	2500	2000	1500	1000	

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- 150 x125 mm size.

Date of Test :- 16-05-2019

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				
							5Min	10 Min	15 Min	20 Min	
1	8	1587	12.65	9.40	3.25	100	25	Tr	Cl	Cl	
2	6	776	11.70	9.40	2.30	50	Tr	Cl	Cl	Cl	
3	5	492	11.15	9.40	1.75	25	Tr	Cl	Cl	Cl	
Recommended discharge 500 LPM at 1.75 depression after 10 Min. in by pass.											

Recommended discharge 500 LPM at 1.75 depression after 10 Min. in by pass.

(M/s C.I.T. Drillers & Devlopers)
 Lucknow Contractor

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

(V.K. Singh)
 Assistant Engineer

(J.K. Gupta)
 Executive Engineer

(R.B. Ram)
 A.E.