



UTTAR PRADESH JAL NIGAM

GEOPHYSICAL LOGGING REPORT

1. Name of the site :- Sahulai Hardonpatti, Block Pandah
2. District:- Ballia
3. Dt. Of logging:- 02.03.2021 (log received dt. 3.3.21)
4. Drilled depth(as verified dt. 05.03.21 by concerned JE):- 275.0mbgl
5. Logged depth:- 275.0 mbgl
6. Logger no.:- AquaXplore, Lucknow
7. Concerned JE:- Er. Jyoti Ranjan, 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	42.0-66.0	24.0	Good
2	72.0-76.0	4.0	Good
3	78.0-81.0	3.0	CLAY
4	94.0-101.0	7.0	Good, kanker intermixed
5	120.0-122.0	2.0	CLAY
6	149.0-152.0	3.0	CLAY
7	162.0-166.0	4.0	Good, fine sand
8	179.0-182.0	3.0	CLAY
9	183.0-190.0	7.0	Good 6
10	200.0-204.0	4.0	CLAY x
11	217.0-224.0	7.0	Good 6
12	228.0-235.0	7.0	Good 6
13	237.0-256.0	19.0	Good 12 m

S. P. C. onkara
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S. Sahai

(Dr. S.Sahai)

Manager (Groundwater)

c.c.

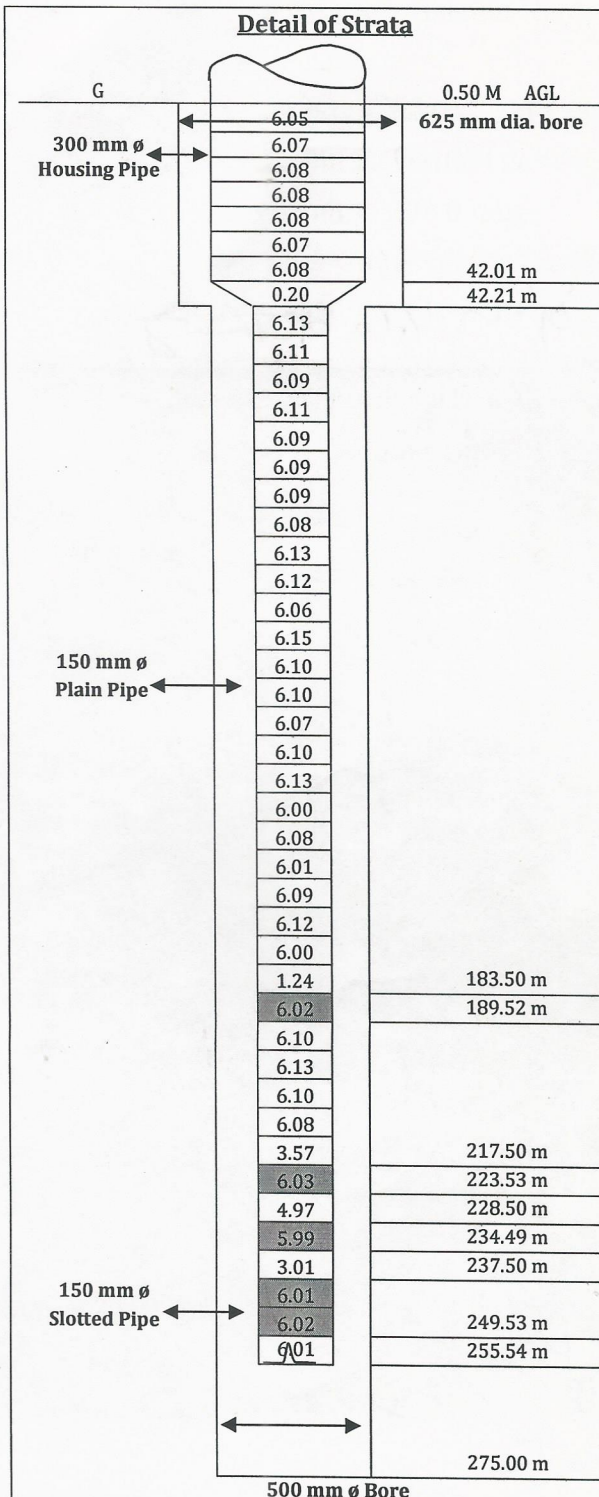
1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action..

S. Sahai

Manager (Groundwater)

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Sahulai Hardopatti water supply scheme T.W. No-1, Block- Pandah, District- Ballia. (Under Programme- N.W.Q.S.M.)

(Not to Scale)



Detail of Lowering

Date- 19-03-2021

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.51 mt.
4	300mm ϕ x 150 mm ϕ M.S. Reduser	0.20 mt
5	Total Plain pipe dia 150 mm	183.26 mt.
6	Total Slotted pipe dia 150 mm	30.07 mt.
7	Size of assembly lowered	300mm ϕ x 150 mm ϕ

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	6.00	6.00	Clay
6.00	48.00	48.00	Fine to M. Sand
48.00	76.00	76.00	Fine Sand
76.00	90.00	90.00	Clay
90.00	108.00	108.00	Fine Sand with Kankar
108.00	160.00	160.00	Clay
160.00	166.00	166.00	V. Fine Sand
166.00	175.00	175.00	Clay
175.00	179.00	179.00	Fine Sand
179.00	182.00	182.00	Clay
182.00	191.00	191.00	Fine Sand
191.00	200.00	200.00	Fine to M. Sand
200.00	205.00	205.00	Clay
205.00	217.00	217.00	Fine Sand
217.00	224.00	224.00	Fine to M. Sand
224.00	250.00	250.00	Fine Sand
250.00	275.00	275.00	V. Fine Sand

Logging Report

Date 02-03-2021

SL.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	42.0-66.0	24.0	Good
2	72.0-76.0	4.0	Good
3	78.0-81.0	3.0	CLAY
4	94.0-101.0	7.0	Good, kanker intermixed
5	120.0-122.0	2.0	CLAY
6	149.0-152.0	3.0	CLAY
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8	179.0-182.0	3.0	CLAY
9	183.0-190.0	7.0	Good
10	200.0-204.0	4.0	CLAY
11	217.0-224.0	7.0	Good
12	228.0-235.0	7.0	Good
13	237.0-256.0	19.0	Good

AGL + BGL
0.50 + 255.54 = 256.04 mts.

M/s Raghav Tradres Deoria.
Contractor

(J. Ranjan)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.K. Gupta)
Executive Engineer