



UTTAR PRADESH JAL NIGAM

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Dehre TW 1, Block Rasra, District:- Ballia
2. Dt. Of logging:- 02.03.2021 (log received 3.3.21)
3. Drilled depth(as verified dt. 05.03.21 by concerned JE):- 275.0 mbgl,
4. Logged depth:- 265.0 mbgl
5. Logger no.:- AquaXplore, Lucknow
6. Concerned JE:- Er. Jyoti Ranjan, JE
7. 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	26.0-30.0	4.0	Good, very fine sand
2	44.0-46.0	2.0	CLAY
3	47.0-50.0	3.0	Good, very fine sand
4	58.0-63.0	5.0	Good, fine sand
5	65.0-72.0	7.0	CLAY
6	78.0-85.0	7.0	Good
7	94.0-98.0	4.0	Good
8	113.0-116.0	3.0	CLAY
9	189.0-191.0	2.0	CLAY
10	194.0-197.0	3.0	Good
11	200.0-203.0	3.0	CLAY
12	226.0-239.0	13.0	Good 12 m
13	242.0-246.0	4.0	CLAY
14	249.0-256.0	7.0	Good 6 m

Between 105.0 mbgl to 185.0 mbgl the quality of formation water is deteriorating to marginal to saline.

(Dr. S.Sahai)

Manager (Ground Water)

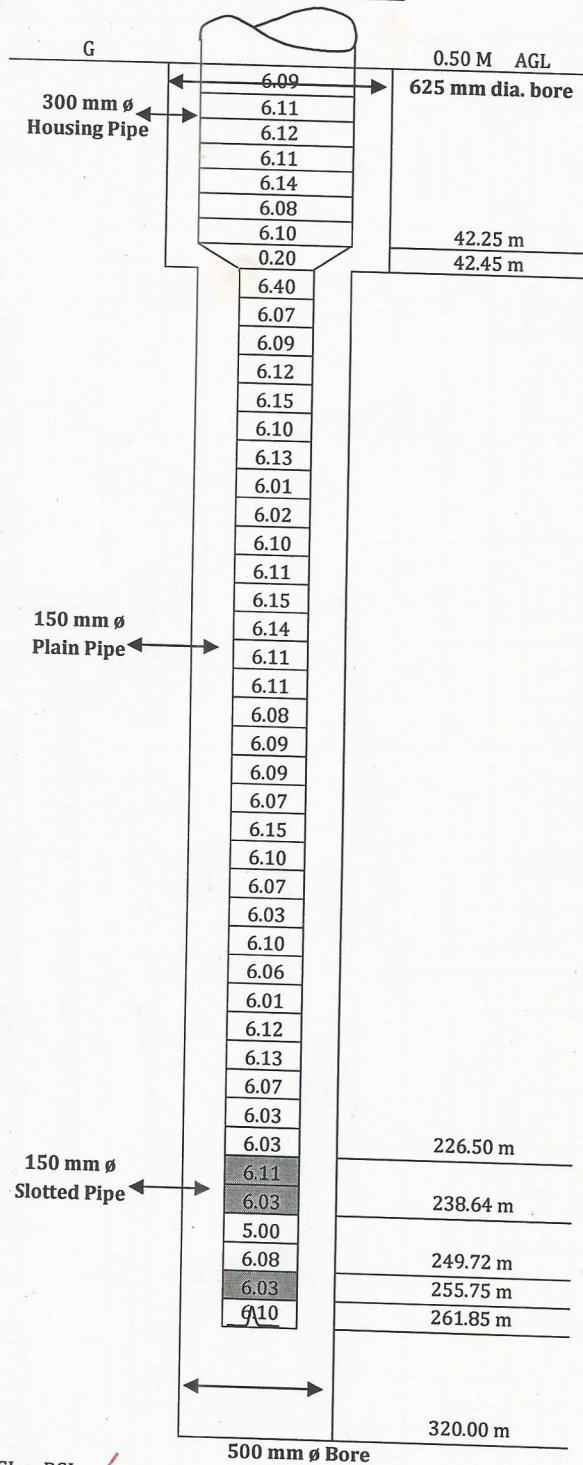
1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action.

Manager (Ground Water)

THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M) U.P. JAL NIGAM, MAU
Final Completion Plan of Tube well Assembly Chart cum strata Chart For Dehari water supply
scheme T.W. No-1, Block- Rasra, District- Ballia. (Under Programme- N.W.Q.S.M.)

(Not to Scale)

Detail of Strata



AGL + BGL
 0.50 + 261.85 = 262.35 mts.

Detail of Lowering

Date- 17-03-2021

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.75 mt.
4	300mm ϕ x 150 mm ϕ M.S. Reduser	0.20 mt
5	Total Plain pipe dia 150 mm	201.23 mt.
6	Total Slotted pipe dia 150 mm	18.17 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	24.00	24.00	Surface Clay
24.00	57.00	57.00	Clay
57.00	76.00	76.00	Clay with Kankar
76.00	88.00	88.00	Kankar Clay
88.00	102.00	102.00	Clay
102.00	144.00	144.00	V.V. Fine Sand with Clay
144.00	188.00	188.00	Clay Kankar Intermixed
188.00	200.00	200.00	V.V. Fine Sand with Clay Intermixed
200.00	226.00	226.00	Clay Kankar
226.00	244.00	244.00	Fine Sand with Kankar
244.00	249.00	249.00	Clay Kankar
249.00	263.00	263.00	Fine Sand with Gravel
263.00	275.00	275.00	Clay

Logging Report

Date 02-03-2021

SLN.	Depth Range (mbgl)	Thicknees (m)	Remark
1	26.0-30.0	4.0	Good, very fine sand
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Note- Between 105.0 mbgl to 185.0 mbgl the quality of formation water is deteriorating to marginal to saline.

M/s Amit Kumar Singh, Deoria
 Contractor

(J. Ranjan)
 J. E.

(P.C. Gupta)
 Assistant Engineer

(J.K. Gupta)
 Executive Engineer