



GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM(Nagariya)

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Nagpur, Block Rasra, District:- Ballia
2. Dt. Of logging:- 13.10.2022
3. Drilled depth(as reported by concerned JE):- 275.0mbgl
4. Logged depth:- 255.0 mbgl
5. Logger no.:- AquaXplore, Lucknow
6. Concerned JE:- Er. Joyti 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	23.0-33.0	10.0	Good, fine sand kanker intermixed
2	68.0-71.0	3.0	CLAY
3	208.0-218.0	10.0	CLAY
4	219.0-244.0	25.0	Good

(Dr. S.Sahai)

Manager (Groundwater)

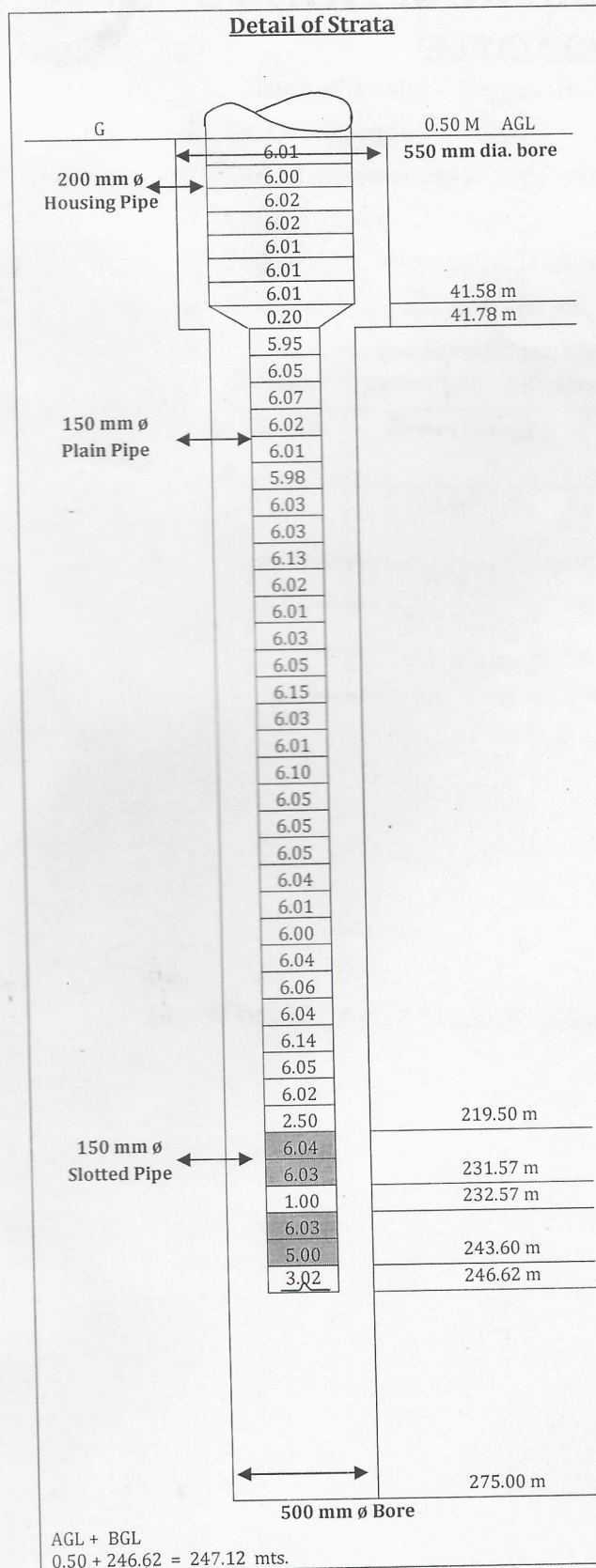
c.c.

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

Manager (Groundwater)

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Nagpur water supply scheme, Block- Rasra, District- Ballia. (Under Programme- N.W.Q.S.M.)

(Not to Scale)



Detail of Lowering		Date- 11-11-2022
1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 200 mm	42.08 mt.
4	200mmø x 150 mmø M.S. Reduser	0.20 mt.
5	Total Plain pipe dia 150 mm	181.74 mt.
6	Total Slotted pipe dia 150 mm	23.10 mt.
7	Size of assembly lowered	200mmø x 150 mmø

Detail of Strata			
From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	12.00	12.00	Surface Clay
12.00	22.00	10.00	Sandy Clay with kankar
22.00	37.00	15.00	Fine Sand with Kankar Intermixed
37.00	67.00	30.00	Sandy Clay with Kankar Intermixed
67.00	73.00	6.00	Clay
73.00	98.00	25.00	Clay with Kankar
98.00	115.00	17.00	Kankar Clay
115.00	132.00	17.00	Clay with Kankar Intermixed
132.00	163.00	31.00	Clay Kankar
163.00	194.00	31.00	Clay
194.00	207.00	13.00	Sand with Clay Kankar
207.00	219.00	12.00	Clay
219.00	245.00	26.00	Fine Sand
245.00	257.00	12.00	Clay with Kankar Intermixed
257.00	275.00	18.00	Clay Kankar

Logging Report			Date 13-10-2022
Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	23.0 – 33.0	10.0	Good Fine Sand Kankar Intermixed
2	68.0 – 71.0	3.0	Clay
3	208.0 – 218.0	10.0	Clay
4	219.0 – 244.0	25.0	Good

M/s Aditya Construction
Contractor

(J.Ranjan)
J. E.

(P.C. Gupta)
Assistant Engineer

(G.P. Singh)
Executive Engineer