



GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM(Nagariya)

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Kakari, Block Nagra, District:- Ballia
2. Dt. Of logging:- 16.04.2022
3. Drilled depth(as reported by concerned JE):- 265.0mbgl
4. Logged depth:- 257.0 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	51.0-64.0	13.0	Good
2	67.0-72.0	5.0	CLAY
3	73.0-77.0	4.0	Good
4	80.0-84.0	4.0	CLAY
5	97.0-102.0	5.0	Good
6	108.0-111.0	3.0	CLAY
7	120.0-123.0	3.0	CLAY
8	148.0-152.0	4.0	CLAY
9	154.0-161.0	7.0	Good
10	172.0-176.0	4.0	CLAY
11	193.0-196.0	3.0	CLAY
12	207.0-210.0	3.0	Good, fine sand
13	214.0-218.0	4.0	CLAY
14	234.0-241.0	7.0	Good
15	245.0-252.0	7.0	Good

All zones are kanker intermixed.

(Dr. S.Sahai)

Manager (Groundwater)

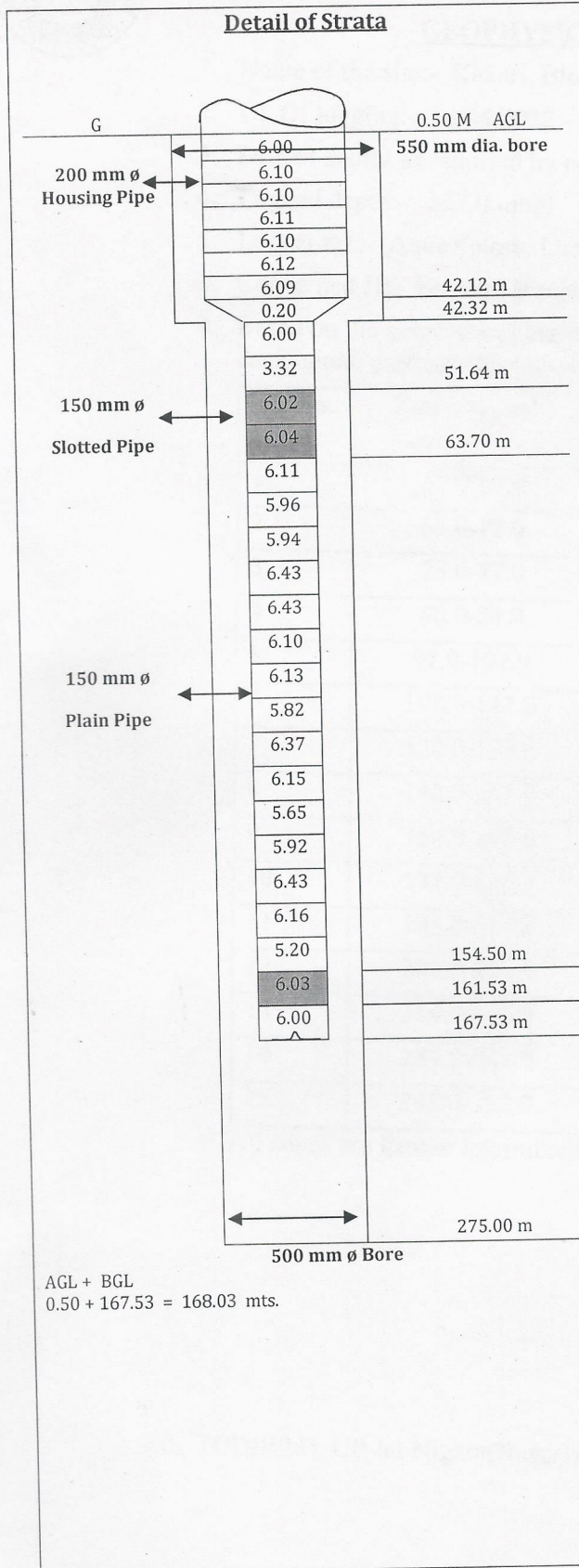
c.c.

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 Kakari water supply scheme, Block- Nagra, District- Ballia. (Under Programme- N.W.Q.S.M.)

(Not to Scale)



Detail of Lowering Date- 26-11-2022

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 200 mm	42.62 mt.
4	200mm ϕ x 150 mm ϕ M.S. Reduser	0.20 mt.
5	Total Plain pipe dia 150 mm	107.12 mt.
6	Total Slotted pipe dia 150 mm	18.09 mt.
7	Size of assembly lowered	200mm ϕ x 150 mm ϕ

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	18.00	18.00	Surface Clay
18.00	34.00	16.00	Sandy Clay with kankar
34.00	49.00	15.00	Sand with Clay Kankar Intermixed
49.00	65.00	16.00	Fine Sand
65.00	72.00	7.00	Clay
72.00	78.00	6.00	Fine Sand
78.00	96.00	18.00	Kankar Clay
96.00	104.00	8.00	Fine Sand
104.00	127.00	23.00	Clay Kankar
127.00	153.00	26.00	Clay
153.00	162.00	9.00	Fine Sand
162.00	177.00	15.00	Clay
177.00	206.00	29.00	Clay Kankar
206.00	212.00	6.00	Fine Sand
212.00	231.00	19.00	Clay Kankar
231.00	241.00	10.00	Fine to M. Sand
241.00	245.00	4.00	Clay with Kankar Intermixed
245.00	253.00	8.00	Fine Sand
253.00	275.00	22.00	Clay

Logging Report Date 16-04-2022

SLN.	Depth Range (mbgl)	Thicknees (m)	Remark
1	50.0 - 64.0	13.0	Good
2	67.0 - 72.0	5.0	Clay
3	73.0 - 77.0	4.0	Good
4	80.0 - 84.0	4.0	Clay
5	97.0 - 102.0	5.0	Good
6	108.0 - 111.0	3.0	Clay
7	120.0 - 123.0	3.0	Clay
8	148.0 - 152.0	4.0	Clay
9	154.0 - 161.0	7.0	Good
10	172.0 - 176.0	4.0	Clay
11	193.0 - 196.0	3.0	Clay
12	207.0 - 210.0	3.0	Good Fine Sand
13	214.0 - 218.0	4.0	Clay
14	234.0 - 241.0	7.0	Good
15	145.0 - 252.0	7.0	Good

Note - All zones are kankar intermixed

M/s Rudra Pratap Singh
Contractor

(J.Ranjan)
J. E.

(P.C. Gupta)
Assistant Engineer

(G.P. Singh)
Executive Engineer