



GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM(Nagariya)

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Lakhua, Block Rasra, District:- Ballia
2. Dt. Of logging:- 26.06.2022
3. Drilled depth(as reported by concerned JE):- 275.0mbgl
4. Logged depth:- 234.0 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	78.0-85.0	7.0	CLAY
2	86.0-93.0	7.0	Good
3	110.0-116.0	6.0	CLAY
4	190.0-194.0	4.0	CLAY
5	202.0-206.0	4.0	Good
6	208.0-212.0	4.0	Good
7	214.0-234.0	20.0	Good

(Dr. S.Sahai)

Manager (Groundwater)

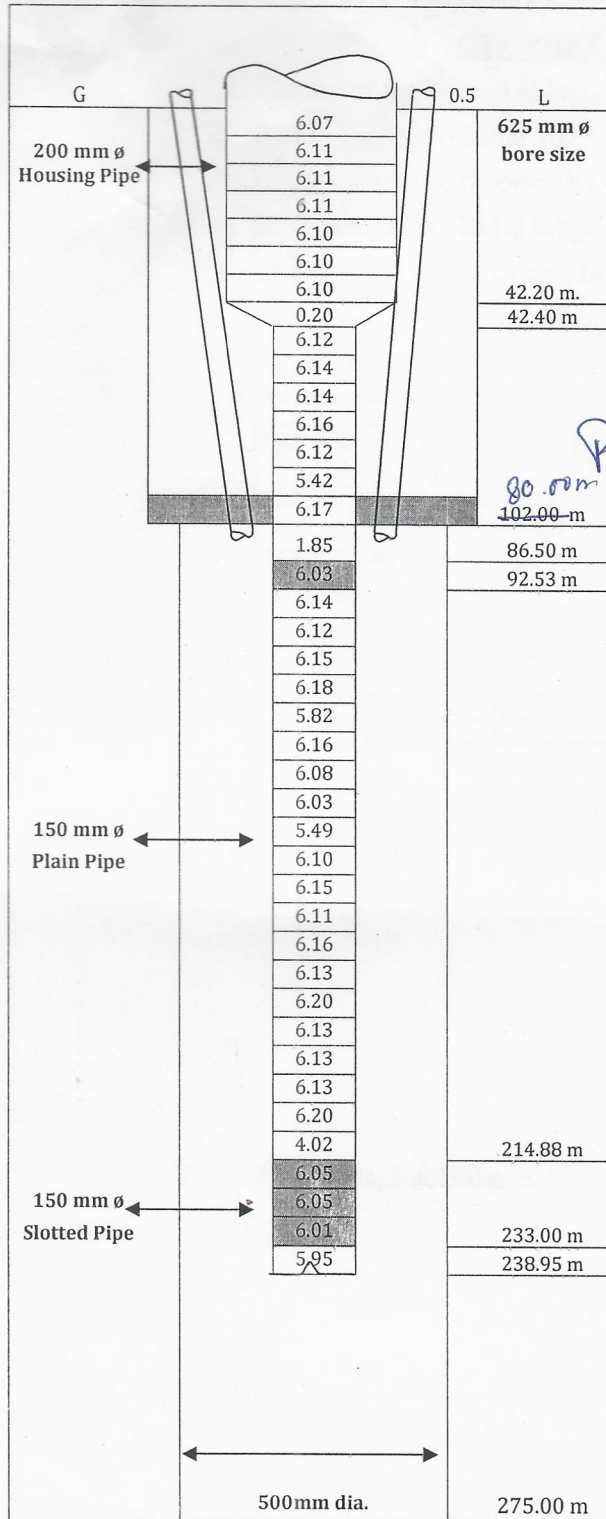
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EE, TCD(E/M), UP Jal Nigam(Nagariya), Mau for information and necessary action..

Manager (Groundwater)

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Lakhua water supply scheme Block- Rasra, District- Ballia. (Under Programme- NWQSM)

(Not to Scale)



AGL + BGL
 $0.50 + 138.95 = 139.45 \text{ m.}$

Detail of Lowering

Date - 24-05-2021

1	Drilling depth	275 m.
2	Total housing pipe dia 300 mm	42.70 m.
3	Total Plain pipe dia 150 mm	72.41 m.
4	Total Slotted pipe dia 150mm	24.14 m.
5	Size of assembly lowering	300mm ϕ x 150 mm ϕ
6	M.S. Reducer 300mm ϕ x 150 mm ϕ	0.20 m.
8	BGL.	138.95 m.
9	Total Length of assembly	139.45 m.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	12.00	12.00	Surface Clay
12.00	27.00	15.00	Sandy Clay
27.00	54.00	27.00	Kankar Clay
54.00	71.00	17.00	Clay
71.00	86.00	15.00	Clay with Kankar Intermixed
86.00	94.00	8.00	Fine to M. Sand
94.00	120.00	26.00	Clay
120.00	154.00	34.00	Clay with Kankar Intermixed
154.00	179.00	25.00	Clay Kankar
179.00	202.00	23.00	Clay
202.00	212.00	10.00	Fine Sand
212.00	214.00	2.00	Clay Kankar Intermixed
214.00	235.00	21.00	Fine to M. Sand
235.00	261.00	26.00	Clay
261.00	275.00	14.00	Kankar Clay

Logging Report

Date 26-06-2022

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Zone Testing done at following depth

S. N.	Zones (In meter)	Ars. mg/l	Ir. mg/l	Fl. mg/l	Result
1	214 234	0.0009	0.019	0.59	Satisfactory
2	86 93	0.0008	0.012	0.64	Satisfactory

M/s Rudra Pratap Singh
 Contractor

(J Ranjan)
 J. E.

(P.C. Gupta)
 Assistant Engineer

(J.K. Gupta)
 Executive Engineer