



GRAM :- JAL NIGAM

Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____

Dated :-

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Karnai, Hanumanganj
2. District:- Ballia
3. Dt. Of logging:- 03.12.2020
4. Drilled depth(as reported):- 155.0 mbgl
5. Logged depth:- 153.0 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	36.0-53.0	17.0	Good
2	56.0-59.0	3.0	Good
3	72.0-76.0	4.0	CLAY
4	75.0-78.0	3.0	Good
5	83.0-87.0	4.0	CLAY
6	89.0-102.0	13.0	Good
7	103.0-106.0	3.0	CLAY
8	108.0-124.0	16.0	Good

S. PC Gupta
AE

S. Sahai

(Dr. S.Sahai)

Manager (Ground Water)

c.c.

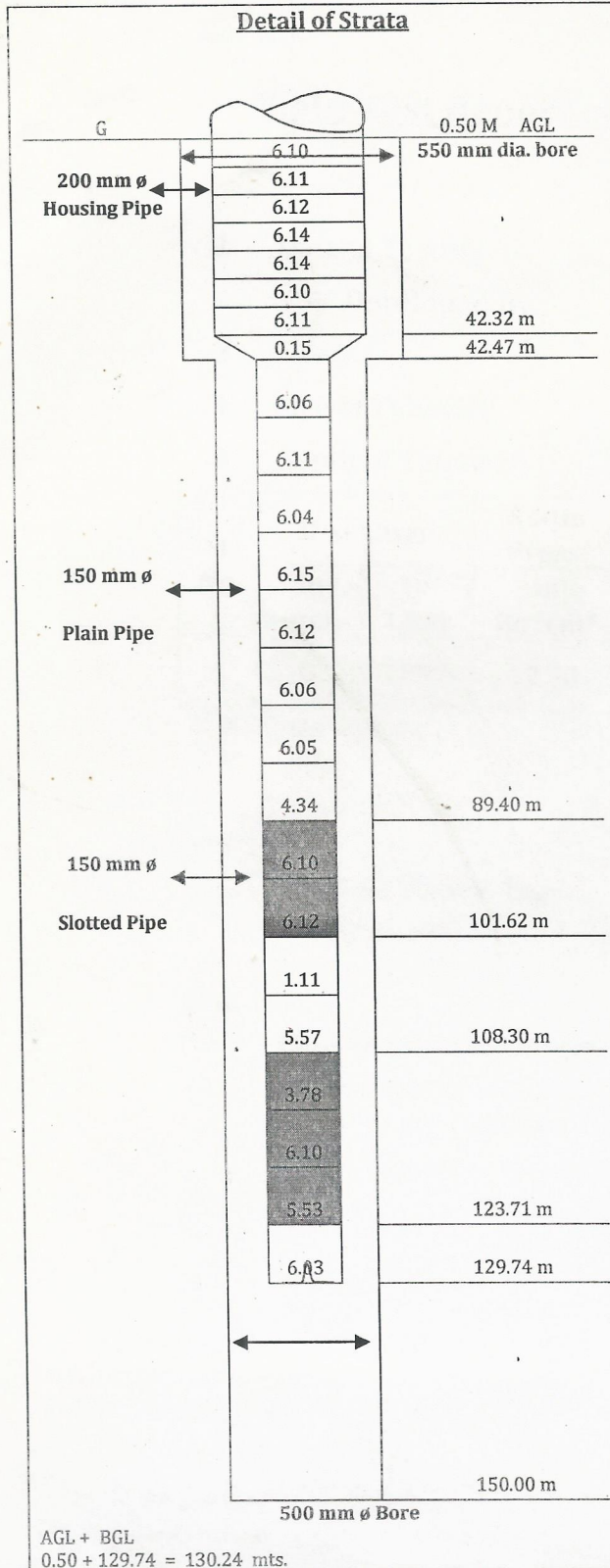
1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action.

S. Sahai

Manager (Ground Water)

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Karnai water supply scheme T.W. No-1, Block- Hanumanganj, District- Ballia. (Under Programme- I.J.M.)

(Not to Scale)



Detail of Lowering

Date- -12-2020

1	Drilling depth	150 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 200 mm	42.82 mt.
4	200mmø x 150 mmø M.S. Reduser	0.15 mt.
5	Total Plain pipe dia 150 mm	59.64 mt.
6	Total Slotted pipe dia 150 mm	27.63 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	24.00	24.00	Surface Clay
24.00	36.00	12.00	Clay with Kankar
36.00	72.00	36.00	Fine to M. Sand
72.00	76.00	4.00	Clay
76.00	83.00	7.00	Fine Sand
83.00	88.00	5.00	Clay
88.00	102.00	14.00	Fine to M. Sand
102.00	106.00	4.00	Clay
106.00	128.00	22.00	Fine to M. Sand
128.00	144.00	16.00	V. Fine Sand
144.00	155.00	11.00	Clay

Logging Report

Date 03-12-2020

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	36.0-53.0	17.0	Good
2	56.0-59.0	3.0	Good
3	72.0-76.0	4.0	CLAY
4	75.0-78.0	3.0	Good
5	83.0-87.0	4.0	CLAY
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8	108.0-124.0	16.0	Good

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 15-03-2021

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Startin g Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Startin g	Runnin g	Kg/c m ²	mts		5 Min	10 Min	15 Min	20 Min	
1	8	1587	12.50	12.00	0.50	5.00	7000	2000	900	500	400	
Note- Recommended for development of T/W by O.P. Unit.												

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YIELD TEST REPORT OF T.W BY O.P. UNIT

Discharge measured by orifice meter- 5"x4" size.

Date of Test :- 22-03-2021

Sl. No.	Discharge		Water level in mts.		Depre ssion in meter s	Startin g	Sand contents in P.P.M. After				Rema rk
	In Inches	In L.P.M	Runnin g	Static			5 Min	10 Min	15 Min	20 Min	
1	60	1220	12.20	8.50	3.70	200	100	50	Tr	Tr	
2	50	1120	11.38	8.50	2.88	100	50	Tr	Tr	Tr	
3	40	1007	11.18	8.50	2.68	50	Tr	Tr	Cl	Cl	
4	25½	802	11.00	8.50	2.50	Tr	Cl	Cl	Cl	Cl	

Recommended Discharge 800 LPM after 5 min. in by pass.

M/s Viddut Kumar Jain
M/s Viddut Kumar Jain Lucknow
Contractor Proprietor

(J. Ranjan)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.K. Gupta)
Executive Engineer