GRAM :- JAL NIGAM
Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Rakwaridih Zone 2, Pardaha
2. District:- Mau
3. Dt. Of logging:-. 27.02.2021
4. Drilled depth(as reported by concerned JE):- 275.0mbgl
5. Logged depth:- 266.0 mbgl
6. Logger no.:- AquaXplore, Lucknow
7. Concerned JE:- Er.Sudhir Kumar, 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	32.0-38.0	6.0	Good, fine sand
2	42.0-46.0	4.0	Good, fine sand
3	49.0-54.0	5.0	Good, fine sand
4	74.0-77.0	3.0	Moderate to Marginal
5	209.0-214.0	5.0	Good
6	230.0-246.0	16.0	Good

All zones are kanker intermixed. Quality of the formation water is deteriorating from marginal to saline between 80.0 mbgl to 194.0 mbgl.

(Dr. S.Sahai)
Manager (Groundwater)

c.c.

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

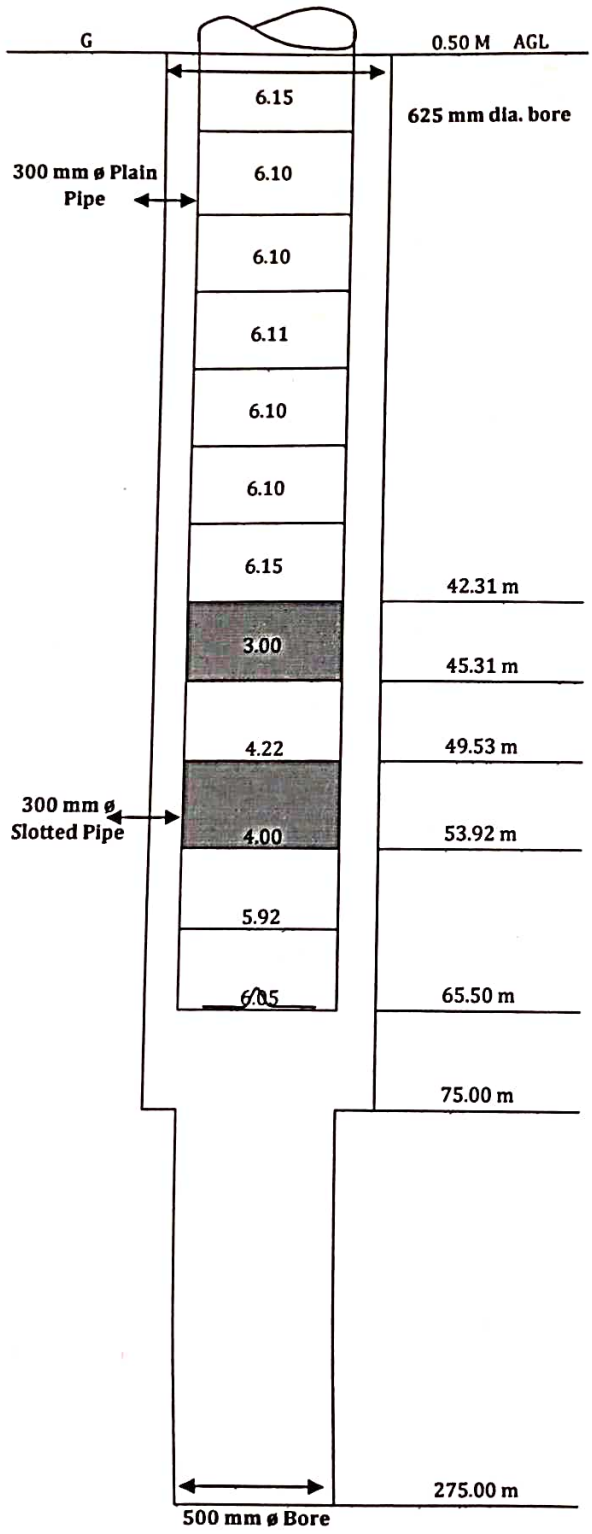
Manager (Groundwater)

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M) U.P. JAL NIGAM, MAU

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Reikwaredih Zone-2 water supply scheme, Block- Pardaha, District- Mau. (Under Programme- J.J.M.)

(Not to Scale)

Detail of Strata



AGL + BGL
0.50 + 65.50 = 66.00 mts.

Detail of Lowering

Date- 21-12-2020

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing/ Plain pipe dia 300 mm	59.00 mt.
4	Total Slotted pipe dia 300 mm	7.00 mt.
5	Size of assembly lowered	300mmø x 300 mmø

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	30.00	30.00	Clay
30.00	42.00	12.00	M. Sand
42.00	60.00	18.00	Fine Sand
60.00	72.00	12.00	Clay
72.00	84.00	12.00	Kankar wirh Clay
84.00	150.00	66.00	Clay
150.00	200.00	50.00	Kankar wirh Clay
200.00	222.00	22.00	M Sand
222.00	230.00	8.00	Clay
230.00	250.00	20.00	M. Sand
250.00	275.00	25.00	Clay

Logging Report

Date 27-02-2021

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	32.0-38.0	6.0	Good, fine sand
2	42.0-46.0	4.0	Good, fine sand
3	49.0-54.0	5.0	Good, fine sand
4	74.0-77.0	3.0	Moderate to Marginal
5	209.0-214.0	5.0	Good
6	230.0-246.0	16.0	Good

Note- All zones are kanker intermixed. Quality of the formation water is deteriorating from marginal to saline between 80.0 mbgl to 194.0 mbgl.

TEST REPORT OF T.W. DEVOLOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch. Date of Test : - 03-05-2021

Sl. No.	Discharge		Air Pressure in Kg/cm²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Running	Kg/cm²	mts		5 Min	10 Min	15 Min	20 Min	
1	7	1144	10.0	9.0	1.0	10.0	11000	9000	6500	3000	1500	

Note- Recommended for development of T/W by O.P. Unit.

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

Discharge measured by orifice meter- 150mm. x125 mm. size.

Date of Test :- 14-05-2021

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remark
	In Inches	In L.P.M	Running	Static		Starting	After 5 Min	After 10 Min	After 15 Min	After 20 Min	
1	10	1488	13.30	7.00	6.30	300	200	100	50	Tr	
2	7	1230	12.65	7.00	5.65	200	100	50	Tr	Tr	
3	5	908	11.50	7.00	4.50	100	50	Tr	Cl	Cl	

Recommended Discharge 500 LPM after 15 min. in by pass.

M/s Divya Shakti Construction, Mau
Contractor

(Sudhir Kumar)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.K. Gupta)
Executive Engineer