



GRAM :- JAL NIGAM

Phone:- 0522 - 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :-

Dated :-

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Chaksikathi, Mubarakpur
2. District:- Mau
3. Dt. Of logging:- 27.12.18
4. Drilled depth(as reported):- 275.00mbgl
5. Logged depth:- 275.0 mbgl
6. Logger no.:- AX
7. Concerned JE:- Er. S.P.Yadav, 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	46.0-66.0	20.0	Good, fine sand kanker intermixed
2	75.0-88.0	13.0	Good, fine sand kanker intermixed
3	124.0-128.0	4.0	Good to Moderate, fine sand kanker intermixed
4	181.0-185.0	4.0	Good to Moderate, fine sand kanker intermixed
5	186.0-189.0	3.0	Good to Moderate, fine sand kanker intermixed
6	191.0-198.0	7.0	Good to Moderate, fine sand kanker intermixed

Below 200.0 mbgl till depth logged quality of the formation water is deteriorating from maginal to saline.

(Dr. S.Sahai)

Manager (Groundwater)

c.c.

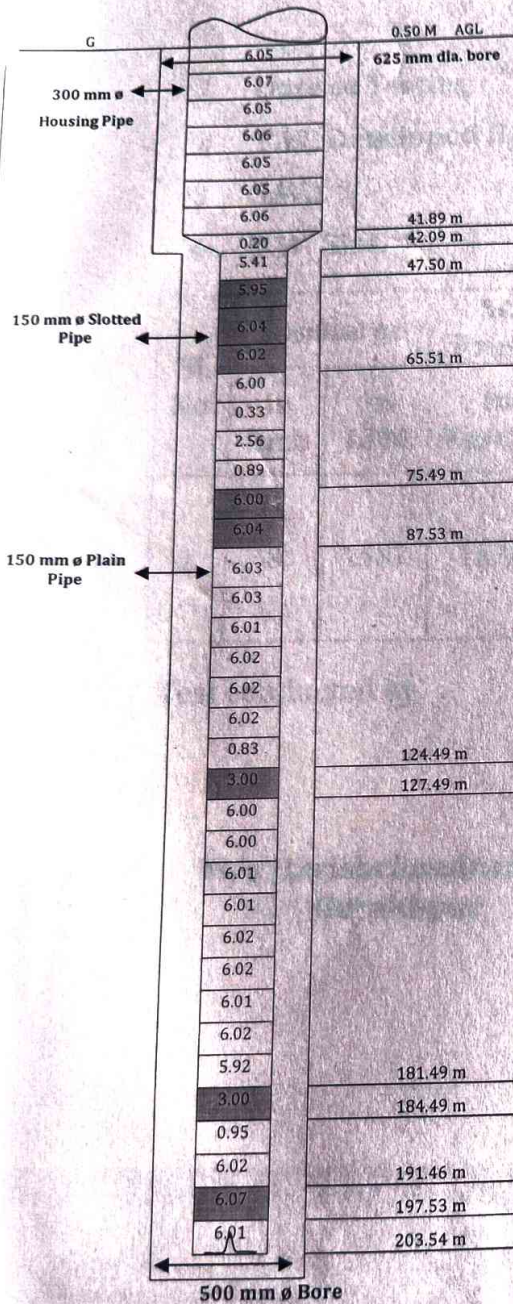
1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action..

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 Chaksikathi water supply scheme, T.W. No.- 1 Block- Sathiyaon, District- Azamgarh.
 (Not to Scale)

Detail of Strata



Detail of Lowering

Date- 11-02-2019

1	Drilling depth	275 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.39 mt.
4	300mm x 150 mm M.S. Reduser	0.20 mt.
5	Total Plain pipe dia 150 mm	119.33 mt.
6	Total Slotted pipe dia 150 mm	42.12 mt.
7	Size of assembly lowered	300mm x 150 mm

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	3.00	3.00	Surface Clay
3.00	45.00	42.00	Sandy Clay
45.00	68.00	23.00	Fine Sand
68.00	72.00	4.00	Sandy Clay
72.00	89.00	17.00	Fine Sand Kankar
89.00	120.00	31.00	Kankar Clay
120.00	129.00	9.00	Fine Sand Yellow with Kankar
129.00	159.00	30.00	Fine Sand Yellow
159.00	175.00	6.00	Clay with Kankar
175.00	181.00	6.00	V. Fine Sand
181.00	193.00	12.00	Fine Sand Yellow with Kankar
193.00	222.00	39.00	Fine Sand
222.00	275.00	53.00	Clay

Logging Report

Date 27-12-2018

Sl.N	Depth Range (mbgl)	Thicknees (m)	Remark
1	46.0 - 66.0	20.0	Good, Fine Sand Kankar Intermixed
2	75.0 - 88.0	13.0	Good, Fine Sand Kankar Intermixed
3	124.0 - 128.0	4.0	Good to moderate Fine Sand Kankar Intermixed
4	181.0 - 185.0	4.0	Good to moderate Fine Sand Kankar Intermixed
5	186.0 - 189.0	3.0	Good to moderate Fine Sand Kankar Intermixed
6	191.0 - 198.0	7.0	Good to moderate Fine Sand Kankar Intermixed

Note. Below 200 mbgl till depth logged quality of the formation water is deteriorating from marginal to saline.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 11-04-2019

Discharge			Air Pressure		Depression		Startin g Sand in P.P.M.	Sand contents in P.P.M. After				Remark
Sl. No.	In Inches	In L.P.M	in Kg/cm ²	Runni ng	Kg/c m ²	mts		5 Min	10 Min	15 Min	20 Min	
1	8	1587	18.00	17.00	1.00	10.0	25000	8000	3000	1500	600	

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 :- 30-04-2019

Sl. No.	Discharge In Inches	Discharge In L.P.M	Water level in mts.	Depression in meter s	Sand contents in P.P.M. After 5 Min	10 Min	15 Min	20 Min	Remark
1	12	1608	11.85	9.50	2.35	300	100	Tr	Cl
2	10	1476	11.15	9.50	1.65	50	Tr	Cl	Cl
3	7	1230	10.50	9.50	1.00	25	Tr	Cl	Cl

Recommended Discharge 1200 LPM after 10 min. in by pass.

AGL + BGL
 0.50 + 203.54 = 204.04 mts.

(M/s Harish Chandra Singh.)
 Gorakhpur Contractor

(S.P. Yadav)
 J. E.

(V.K. Singh)
 Assistant Engineer

(J.K. Gupta)
 Executive Engineer