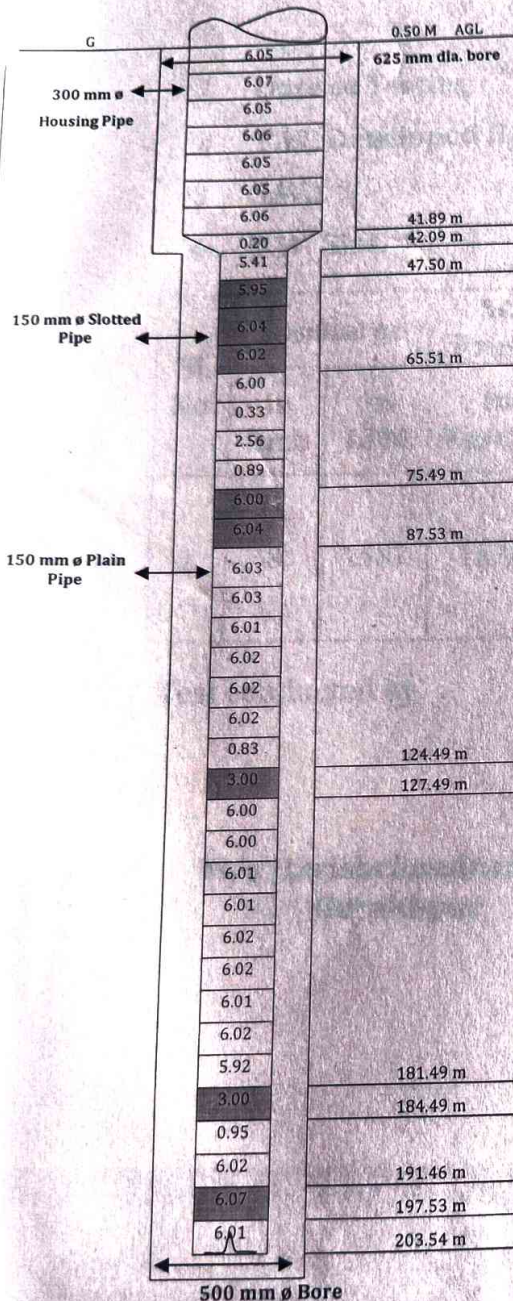


OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)
U.P. JAL NIGAM, MAU.

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Chaksikathi water supply scheme, T.W. No.- 1 Block- Sathiyoon, 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 measurement			Air Pressure in Kg/cm ²		Depression in mts		Startin g Sand in P.P.M.	Sand contents in P.P.M. After				Remark
Sl. No.	In Inches	In L.P.M	Startin g	Runn g	Kg/c m ²			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		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remarks
	In Inches	In L.P.M	Running g	Static		Starting g	After				
							5 Min	10 Min	15 Min	20 Min	
1	12	1608	11.85	9.50	2.35	300	100	Tr	Cl	Cl	
2	10	1476	11.15	9.50	1.65	50	Tr	Cl	Cl	Cl	
3	7	1230	10.50	9.50	1.00	25	Tr	Cl	Cl	Cl	
Recommended Discharge 1200 LPM after 10 min. in by pass.											

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