

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

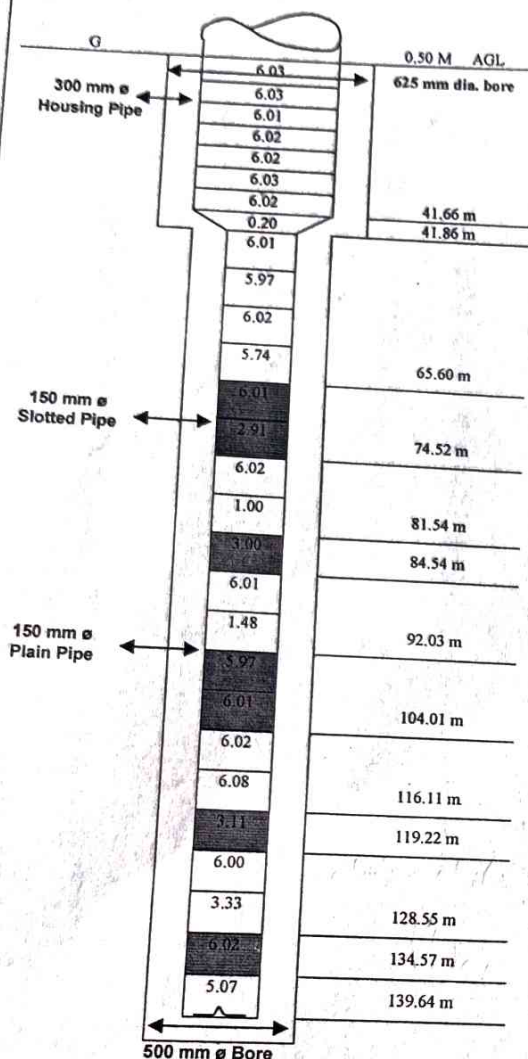
U.P. JAL NIGAM, MAU.

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Araj
Dewara Karkhiya water supply scheme, Block- Haraiya, District- Azamgarh.

(Not to Scale)

Dated 08-04-2016

Detail of Strata



AGL + BGL
0.50 + 139.64 = 140.14 mts.

Detail of Lowering

1	Drilling depth	150 mts.
2	Drilling by contractor	R.C. Rig M/C
3	Total housing pipe dia 300 mm	42.16 mt.
4	Total Plain pipe dia 150 mm	64.75 mt.
5	Total Slotted pipe dia 150 mm	33.03 mt.
6	Size of assembly lowering	300mm x 150 mm
7	300mm x 150 mm M.S. Reducer	0.20 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	0.5	0.5	Clay
0.5	53	52.5	Fine Sand
53	65	12	Clay and Kankar
65	104	39	Fine to Medium Sand
104	108	4	Clay
108	111	3	Fine Sand
111	116	5	Clay
116	120	4	Fine to Medium Sand
120	128	8	Clay
128	139	11	Fine to Medium Sand with Kankar
139	150	11	Clay Kankar

Logging Report

Date 03-04-2016

Sl. No.	Depth Range (mbgl)	Thicknees (m)	Remark
1	42.0-----51.0	9.0	Good all
2	53.0-----60.0	7.0	
3	65.0-----75.0	10.0	
4	80.0-----85.0	5.0	
5	90.0-----105.0	15.0	
6	115.0-----120.0	5.0	
7	125.0-----135.0	10.0	

Note - Sl. No. 1 is kanker intermixed. Sl. No. 2 is very fine sand intermixed with kanker.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test :- 07-06-2016

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in mts		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Running	Kg/cm ²	mts		5 Min	10 Min	15 Min	20 Min	
1	9	2107	13.00	12.40	0.60	6.00	7100	900	500	300	200	

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 :- 23-07-2016

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remarks
	In Inches	In L.P.M	Running	Static		Starting	After				
							5 Min	10 Min	15 Min	20 Min	
1	8	1324	6.40	4.00	2.40	250	150	50	Tr	Tr	
2	7	1230	6.05	4.00	2.05	150	50	Tr	Tr	Cl	
3	6	1135	5.60	4.00	1.60	100	50	Tr	Cl	Cl	
4	5	1060	5.30	4.00	1.30	50	Tr	Cl	Cl	Cl	
Recommended Discharge) 1.0 L.P.M after 5 min. in by pass.											

Recommended Discharge 100 L.P.M after 5 min. in by pass.

M/s Shiv Drillers, Kolkata
Contractor

(S.K. Yadav)
J. E.

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