

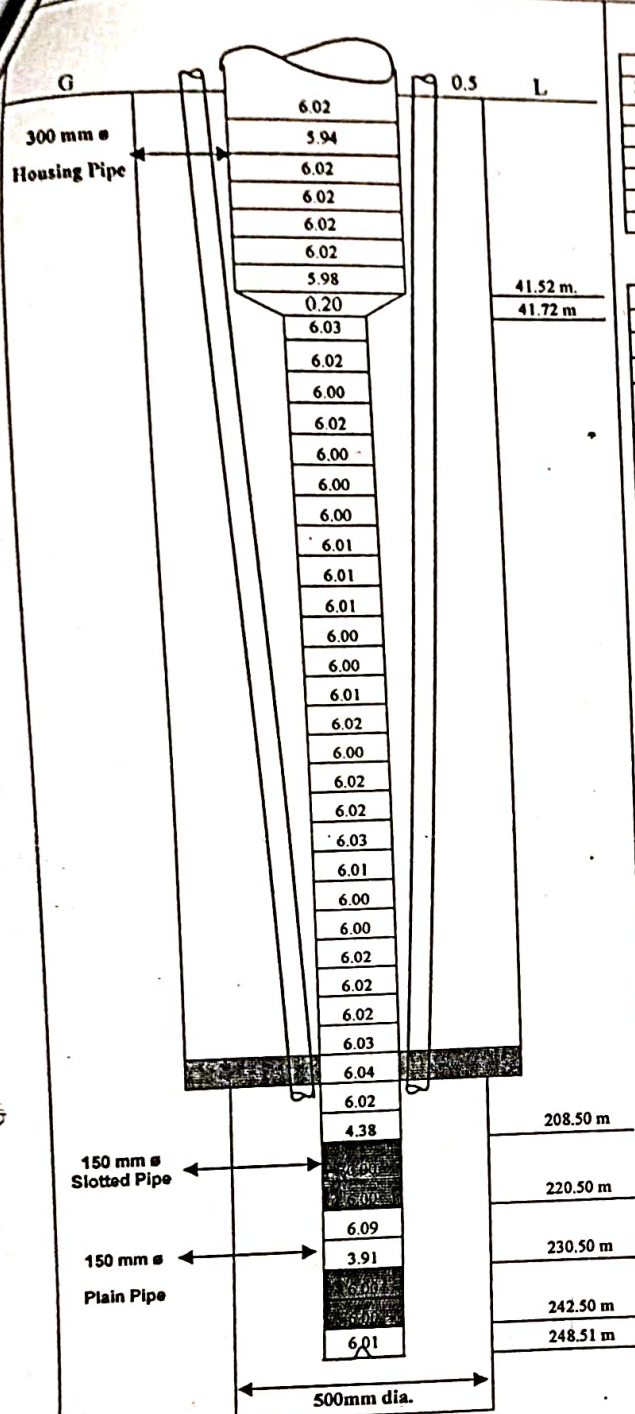
OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

U.P. JAL NIGAM, MAU

(115)

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Chal Chhapra water supply scheme, Block- Baidiya, District- Ballia

(Not to Scale)



Detail of Lowering

Date - 18-02-2015

1	Drilling depth	275 mts.
2	Total housing pipe dia 300 mm	42.02 mt.
3	Total Plain pipe dia 150 mm	182.79 mt.
4	Total Slotted pipe dia 150mm	24.00 mt.
5	Size of assembly lowering	300mm x 150 mm
6	M.S. Reducer 300mm x 150 mm	0.20 mt.
8	BGL	248.51 mt.
9	Total Length of assembly	249.01 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	4.57	4.57	Clay
4.57	96.03	91.46	Fine to Medium Sand with Kankar
96.03	100.00	3.97	Caving Clay
100.00	154.87	54.87	Fine to Medium Sand with Sand Stone & Kankar
154.87	157.93	3.06	Caving Clay
157.93	160.06	2.13	Fine to M. Sand with gravel Kankar
160.06	161.58	1.52	Sand Stone
161.58	195.12	33.54	Fine to M. Sand with gravel & Kankar
195.12	196.61	1.49	Sand Stone with Clay
196.61	201.21	4.60	Clay
201.21	245.42	44.21	Fine to M. Sand
245.42	270.00	24.58	Caving Clay with Kankar

Date 12-02-2016

Logging Report

SLN.	Depth Range (mbgl)	Thicknees (m)	Remark
1	55.0—70.0	15.0	Good all
2	75.0—95.0	20.0	
3	100.0—110.0	10.0	
4	125.0—137.0	12.0	
5	143.0—156.0	13.0	
6	159.0—163.0	4.0	
7	170.0—180.0	10.0	
8	185.0—195.0	10.0	
9	204.0—221.0	17.0	
10	230.0—243.0	13.0	

Note

Zone Testing done at following depth

S. N.	Zones (In Feet)	Result
1	15	125 PPB
2	328	70 PPB
3	518	45 PPB
4	660	02 PPB
Satisfactory		

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° V Notch.

Date of Test : 17-03-2016

Discharge measured by 90° V Notch.												Remark
Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				
	In Inches	In L.P.M	Starting	Runnin g	Kg/cm ²	mts		5Min	10Min	15Min	20Min	
1	10	27.40	24½	24	0.5	5	1500	150	50	50	50	

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 :- 14-04-2016

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M. After					Remark
	In Inch	In L.P.M	Running	Static		Starting	5 Min	10 Min	15 Min	20 Min	
1	5%	1100	7.90	4.75	3.15	50	Cl	Cl	Cl	Cl	Recommended Discharge 1000 LPM after 5 min. in by pass.
2	7%	1300	8.50	4.75	3.75	50	Tr	Cl	Cl	Cl	
3	10	1500	9.15	4.75	4.40	100	50	Tr	Cl	Cl	
4	13	1700	9.80	4.75	5.05	150	75	Tr	Cl	Cl	
5	17	1900	10.60	4.75	5.85	175	80	30	Tr	Cl	

Proposed By
(M/S. Shiv Drillers)
Kolkata
Contractor

(S.K. Yadav)
J. E.

(M.A. Ur Ansari)
Assistant Engineer

Approved
(N.A. Khan)
Executive Engineer