

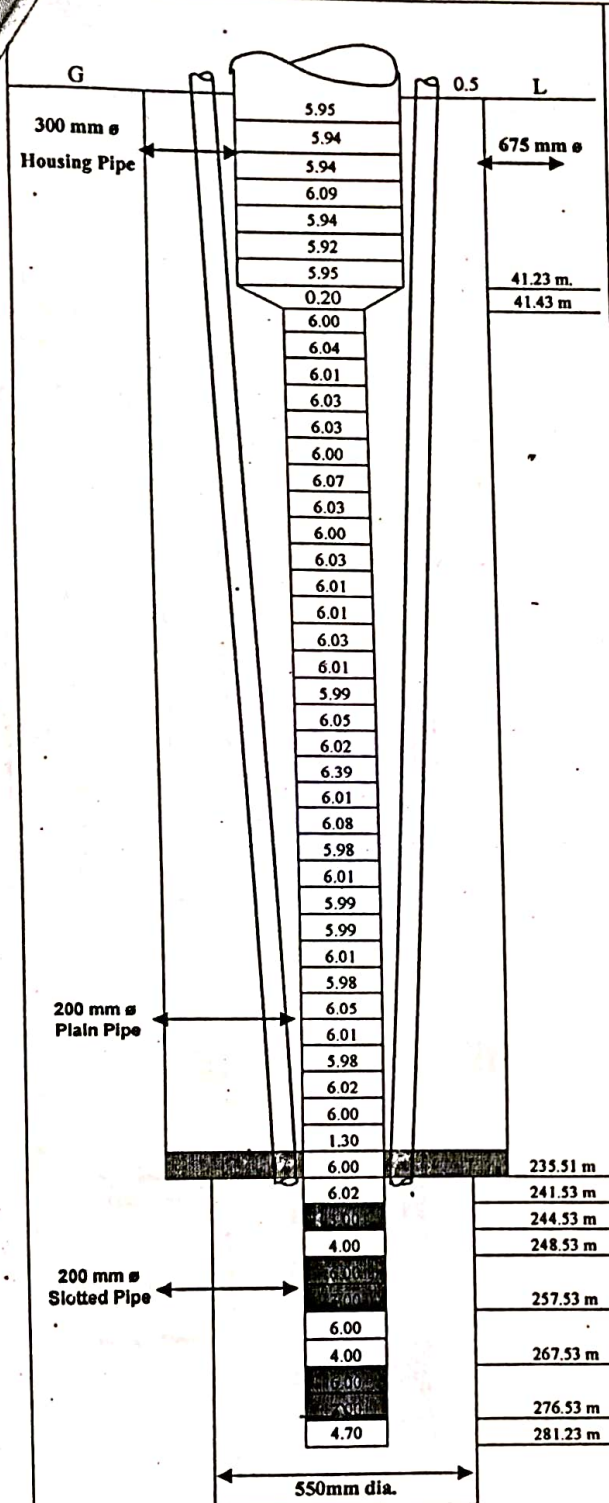
OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST. DIV. (E&M)

U.P. JAL NIGAM, MAU

(109)

Final Completion Plan of Tube well Assembly Chart cum strata Chart For Chandpur water supply scheme, Block- Bairiya, District- Ballia

(Not to Scale)



Detail of Lowering		Date - 26-10-2015
1	Drilling depth	293 mts.
2	Total housing pipe dia 300 mm	41.73 mt.
3	Total Plain pipe dia 200 mm	218.80 mt.
4	Total Slotted pipe dia 200mm	21.00 mt.
5	Size of assembly lowering	300mm x 200 mm
6	M.S. Reducer 300mm x 200 mm	0.20 mt.
8	BGL.	281.23 mt.
9	Total Length of assembly	281.73 mt.

Detail of Strata				Date 21.10.2015
From (m)	To (m)	Thick (m)	Desperation of the Strata	
0	6	6	Clay	
6	134	128	Fine with Medium Sand	
134	138	4	Clay	
138	152	14	Fine with Medium Sand	
152	158	6	Caving Clay & Kankar	
158	225	67	Fine with Medium Sand Small Stone & Small Bolders	
225	244	19	Caving Clay & Kankar	
244	250	6	Fine to Medium Sand	
250	253	3	Very Fine Sand with Kankar	
253	283	30	Fine to Medium Sand Stone	
283	293	10	Clay	

Logging Report				Date 21.10.2015
SLN.	Depth Range (mbgl)	Thickness (m)	Remark	
1	40.0—47.0	7.0		
2	53.0—62.0	9.0		
3	70.0—78.0	8.0		
4	83.0—90.0	7.0		
5	97.0—102.0	5.0		
6	108.0—112.0	4.0		
7	115.0—130.0	15.0		
8	135.0—150.0	15.0		
9	154.0—165.0	11.0		
10	177.0—192.0	15.0		
11	195.0—200.0	5.0		
12	208.0—220.0	12.0		
13	235.0—245.0	10.0		
14	248.0—258.0	10.0		
15	267.0—277.0	10.0		

Note: SLNo. 13 is fine sand intermixed with kankar.

Zone Testing done at following depth

S. N.	Zones (In Meter)		Result	
1	135.67 m.	152.44 m.	400 PPB	
2	158.54 m.	225.61 m.	100 PPB	
3	243.90 m	283.54 m	5 PPB	Satisfactory

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° V Notch.

Date of Test : - 19-11-2015

Sl. No.	Discharge		Air Presser in Kg/cm ²		Depressio n in Kg/c m ² mts	Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark	
	In Inches	In L.P.M	Starting	Running			5Min	10Min	15Min	20Min		
1	10 1/4	3087	27.5	27	0.5	5	1500	600	300	100	100	
Note- Recommended for development of T/W by O.P. Unit.												

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

Discharge measured by orifice meter- 150 x 125 mm size.

Date of Test : - 01-12-2015

Sl. No.	Discharge		R.W.L.	S.W.L.	Depress ion	Sand contents in P.P.M.					Remark
	In LPM	In mtr.				Starting	5 min	10 min	15 min	20 min	
1	2000	10.45	5.85	4.60	.50	50	Cl	Cl	Cl	Cl	Recommended discharge 2000
2	2500	11.50	5.85	5.65	100	Tr	Cl	Cl	Cl	Cl	LPM after 5 Min.
3	3000	12.55	5.85	6.70	150	50	Tr	Cl	Cl	Cl	in by pass.
4	3500	14.10	5.85	8.25	250	100	50	Tr	Cl	Cl	

AGL + BGL
0.5 + 281.23 = 281.73 mts.

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

(S.K. Yadav)
J. E.

Recommended By
(M.A.U. Ansari)
Assistant Engineer

Approved
(N.A. Khan)
Executive Engineer