

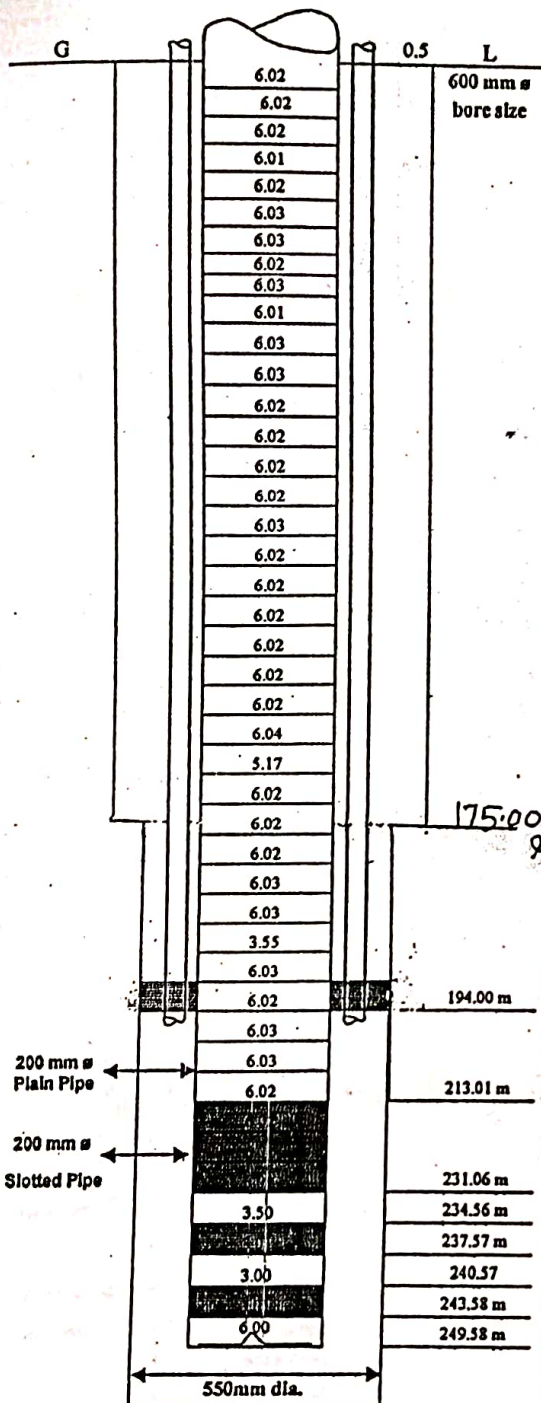
ICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)

U.P. JAL NIGAM, MAU

Completion Plan of Tube well Assembly Chart cum strata Chart For Jawahi (Solar) water supply scheme, Block- Belahari, District- Ballia

(114)

(Not to Scale)



AGL + BGL
0.5 + 249.58 = 250.08 mts.

Detail of Lowering

Date - 08-07-2016

1	Drilling depth	275 mts.
2	Total housing/ Plain pipe dia 200 mm	226.01 mt.
4	Total Slotted pipe dia 200mm	24.07 mt.
5	Size of assembly lowering	200mm x 200 mm
8	BGL	249.58 mt.
9	Total Length of assembly	250.08 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	9	9	Clay
9	60	51	Fine to M. Sand
60	77	17	Clay
77	116	39	Fine to M. Sand
116	122	6	Clay
122	156	34	Fine to M. Sand
156	167	11	Sandy Clay
167	185	18	Very Fine Sand
185	195	10	Clay
195	246	51	Fine to M. Sand
246	275	29	Caving Clay with Kankar

Logging Report

Date 04-07-2016

SLN.	Depth Range (mbgl)	Thicknees (m)	Remark
1	44.0—48.0	4.0	Good all
2	52.0—59.0	7.0	
3	78.0—90.0	12.0	
4	94.0—98.0	4.0	
5	100.0—107.0	7.0	
6	125.0—135.0	10.0	
7	137.0—144.0	7.0	
8	152.0—156.0	4.0	
9	168.0—183.0	15.0	
10	196.0—200.0	4.0	
11	203.0—232.0	29.0	
12	234.0—238.0	4.0	
13	240.0—244.0	4.0	

Note - SLNo. 9 is very-very fine sand intermixed with kankar.

Zone Testing done at following depth

S. N.	Zones (In meter)	Result
1	122.0 156.0	40 PPB
2	195.0 246.0	3 PPB Satisfactory

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° V Notch.

Date of Test :- 20-07-2016

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depressio n in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Runnin g	Kg/c m ²	mts		5 Min	10Min	15Min	20Min	
1	9 1/4	2406	24.50	23.90	0.6	6.00	4000	500	100	50	50	
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- 150mm. x125 mm. size. Date of Test :- 10-08-2016

Sl. No.	Discharge	Water level in mts.		Depress ion in meters	Sand contents in P.P.M. After				Remark
In L.P.M	Running	Static		Starting	5 Min	10 Min	15 Min	20 Min	
1	800	8.00	5.50	2.50	50	CL	CL	CL	Recommended Discharge 800 LPM after 5 min. in by pass.
2	1000	8.25	5.50	2.75	75	30	CL	CL	
3	1200	8.55	5.50	3.05	100	50	Tr	CL	
4	1400	8.85	5.50	3.35	125	50	Tr	CL	
5	1600	9.30	5.50	3.80	200	100	50	Tr	

(M/S. Shiv Drillers)
Kolkata
Contractor

(S.K. Yadav)
J. E.

(M.A.U. Ansari)
Assistant Engineer

(N.A. Khan)
Executive Engineer