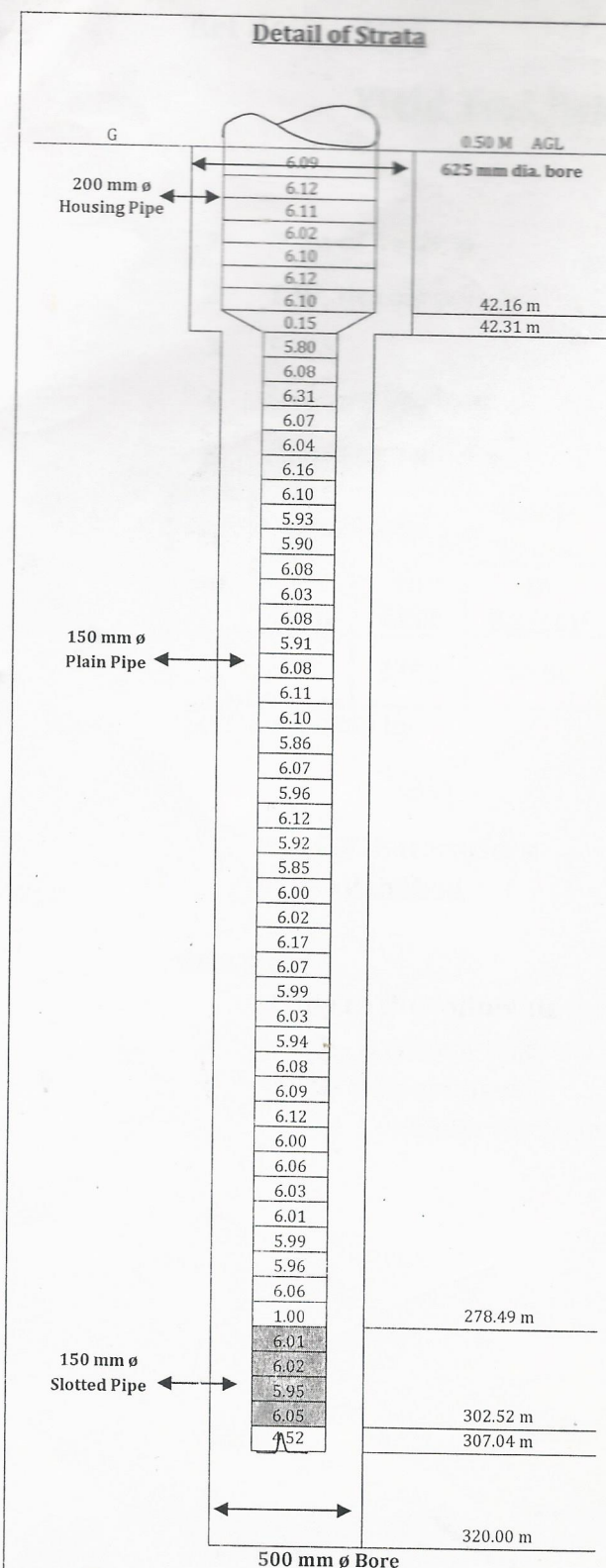


Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Harsand water supply scheme, Block- Navanagar, District- Ballia. (Under Programme- N.W.Q.S.M.)

(Not to Scale)

Detail of Strata



Detail of Lowering

Date- 28-06-2021

1	Drilling depth	320 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 200 mm	42.66 mt.
4	200mmø x 150 mmø M.S. Reduser	0.15 mt.
5	Total Plain pipe dia 150 mm	240.70 mt.
6	Total Slotted pipe dia 150 mm	24.03 mt.
7	Size of assembly lowered	200mmø x 150 mmø

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	3.00	3.00	Surface Clay
3.00	30.00	27.00	Sandy Clay
30.00	54.00	24.00	V. Fine Sand
54.00	93.00	39.00	Fine Sand
93.00	105.00	12.00	Kankar Clay
105.00	132.00	27.00	Fine Sand with Kankar
132.00	147.00	15.00	Fine Sand
147.00	159.00	12.00	Kankar Clay
159.00	192.00	33.00	Clay
192.00	198.00	6.00	Clay with Kankar
198.00	260.00	62.00	Kankar Clay
260.00	272.00	12.00	Fine Sand
272.00	275.00	3.00	Fine Sand with Kankar
275.00	320.00	45.00	Fine to M. Sand

Logging Report

Date 21-03-2021

Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	51.0 - 88.0	37.0	Good
2	90.0 - 94.0	4.0	CLAY
3	138.0 - 141.0	3.0	Good, V. Fine Sand Kankar Intermixed
4	150.0 - 152.0	2.0	CLAY
5	250.0 - 252.0	2.0	CLAY
6	257.0 - 262.0	5.0	Good Fine Sand
7	265.0 - 271.0	6.0	CLAY
8	278.0 - 303.0	25.0	Good

Between 152.0 mbgl to 250.0 mbgl quality is marginal.

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 16-08-2021

Discharge		Air Pressure in Kg/cm ²		Depression in		Startin g Sand in	Sand contents in P.P.M. After				Remark	
Sl. No.	In Inches	In L.P.M	Startin g	Runni ng	Kg/c m ²	mts	in P.P.M.	5 Min	10 Min	15 Min		20 Min
1	9	2350	30.00	29.00	1.00	10.00	6500	2000	1000	800	700	

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- 4"x3" size.

Date of Test : - 23-09-2021

Date of Test :- 23-09-2021

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	30	870	4.57	1.50	3.07	200	100	50	Tr	Tr	
2	20	707	4.00	1.50	2.50	100	50	Tr	Cl	Cl	
3	15	613	3.35	1.50	1.85	Tr	Cl	Cl	Cl	Cl	

Recommended Discharge 600 LPM after 5 min. in by pass.

M/s C.K. Enterprises Allahabad
Contractor

(J. Ranjan)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.K. Gupta)
Executive Engineer