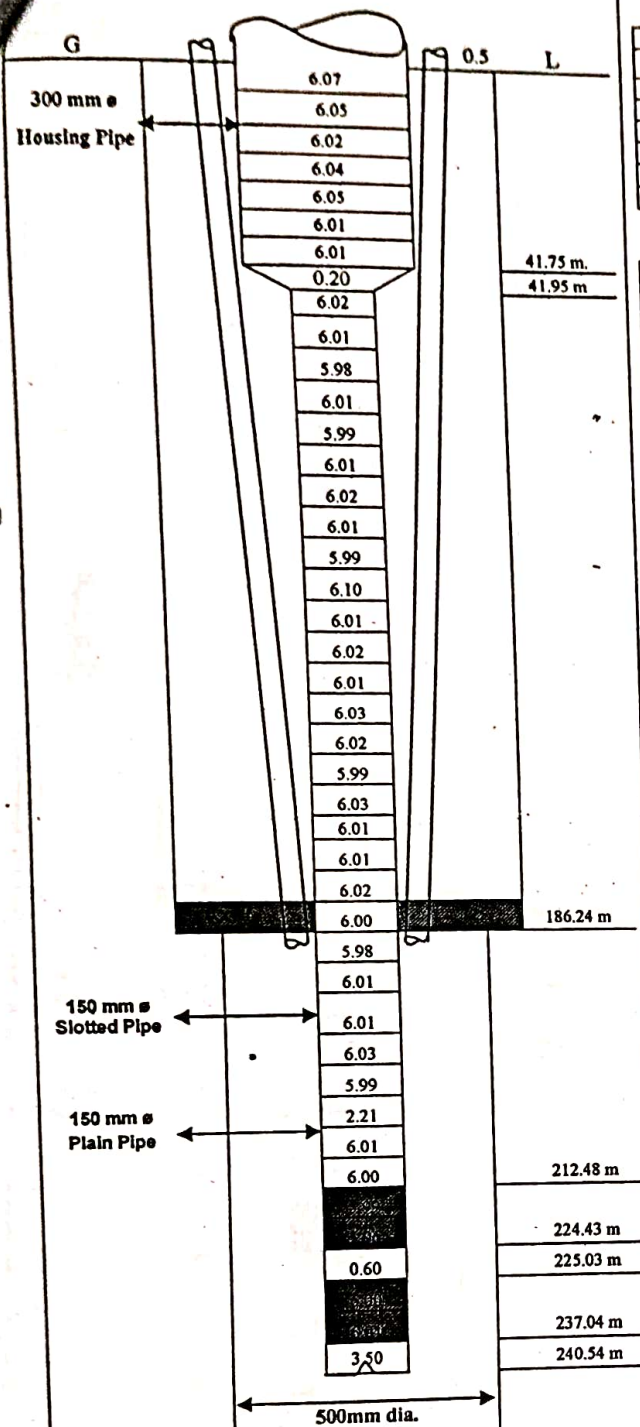


OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)
U.P. JAL NIGAM, MAU

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

(Not to Scale)



Detail of Lowering

Date - 09-12-2015

1	Drilling depth	269 mts.
2	Total housing pipe dia 300 mm	42.23 mt.
3	Total Plain pipe dia 150 mm	174.63 mt.
4	Total Slotted pipe dia 150mm	23.96 mt.
5	Size of assembly lowering	300mm $\times$ 150 mm
6	M.S. Reducer 300mm $\times$ 150 mm	0.20 mt.
8	BGL.	240.54 mt.
9	Total Length of assembly	241.04 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0	7.62	7.62	Sandy Clay
7.62	109.14	101.52	Fine to Medium Sand
109.14	114.00	4.86	Clay
114.00	171.00	57.00	Fine to Medium Sand
171.00	200.00	29.00	Clay Kankar
200.00	203.00	3.00	Caving Clay
203.00	205.79	2.79	V.V. Fine Sand Clay Mix
205.79	208.00	2.21	Clay
208.00	218.00	10.00	Fine to Medium Sand
218.00	219.20	1.20	Small Bolder
219.20	221.00	1.80	Fine Sand
221.00	237.80	16.80	Fine to Medium Sand
237.80	269.00	31.20	Caving Clay & Kankar

Logging Report

Date 05-12-2015

SLN.	Depth Range (mbgl)	Thicknees (m)	Remark
1	53.0---60.0	7.0	Good all
2	65.0---70.0	5.0	
3	75.0---82.0	7.0	
4	90.0---110.0	20.0	
5	114.0---118.0	4.0	
6	125.0---138.0	13.0	
7	155.0---174.0	19.0	
8	204.0---208.0	4.0	
9	212.0---239.0	27.0	

Note - SL.Nos. 13 & 14 are very- very fine sand kankar intermixed.

Zone Testing done at following depth

S. N.	Zones (In Feet)	Result
1	25	150 PPB
2	395	100 PPB
3	682	4 PPB
		Satisfactory

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch.

Date of Test : - 18-01-2016

Discharge measured by 20" pressure												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	Running g	Kg/cm ²	mts		5Min	10Min	15Min	20Min	
1	9	2107	24.00	23.50	0.5	5	1500	600	300	100	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. $\times$ 125 mm. size. Date of Test :- 03-02-2016

Sl. No.	Discharge		Water level in mts.		Depression 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	1000	1060	6.25	4.35	50	Tr	Cl	Cl	Cl	Recommended Discharge 1000 LPM after 10 min. in by pass.
2	1200	11.25	6.25	5.00	75	30	Tr	Cl	Cl	
3	1400	11.95	6.25	5.70	125	50	Tr	Cl	Cl	
4	1700	13.20	6.25	6.95	250	75	30	Tr	Cl	

Proposed By

 (M/S. Shiv Drillers)
 Kolkata
 Contractor

Recommended By

 (S.K. Yadav)
 J. E.

Approved

 (M.A.U. Ansari)
 Assistant Engineer

Approved

 (N.A. Khan)
 Executive Engineer