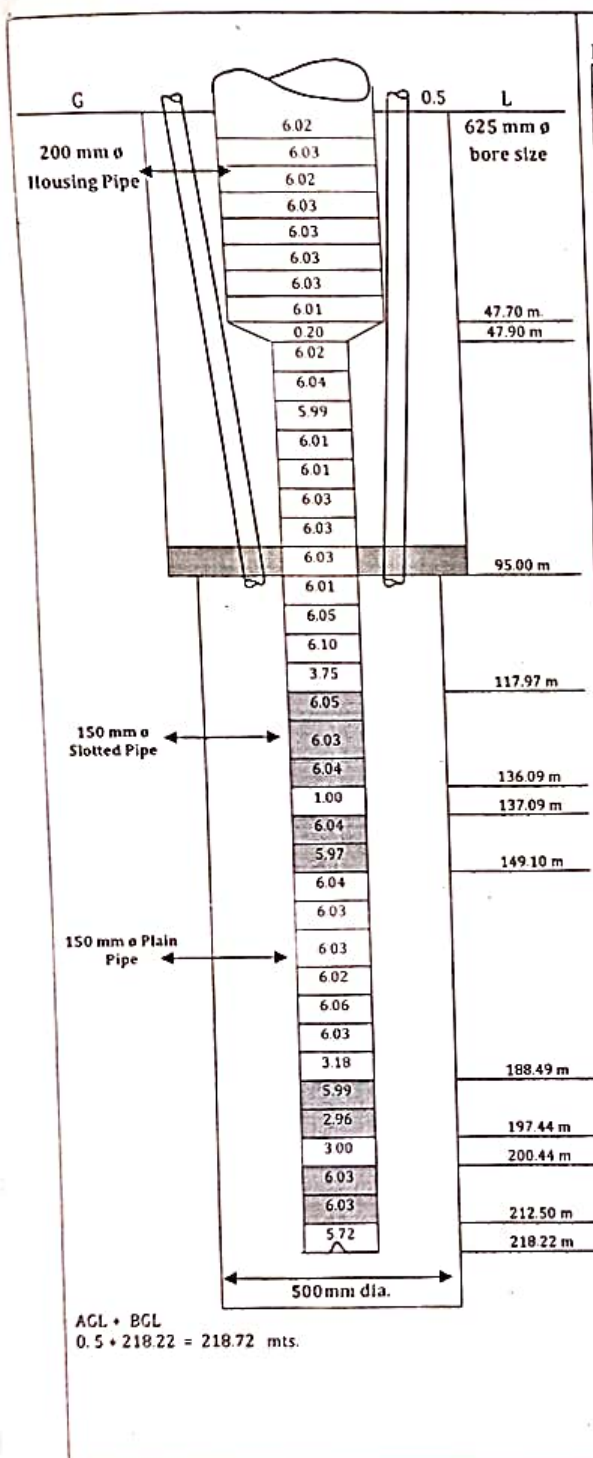


OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M)
U.P. JAL NIGAM, MAU

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Kachhuwa Ojha water supply scheme. Block- Dubhar. District- Ballia.(World Bank Batch-2)

(Not to Scale)



Detail of Lowering

Date - 10-07-2019

1	Drilling depth	275 mts
2	Total housing pipe dia 200 mm	48.20 mt.
3	Total Plain pipe dia 150 mm	119.18 mt.
4	Total Slotted pipe dia 150mm	51.14 mt.
5	Size of assembly lowering	200mm x 150 mm
6	M.S. Reducer 200mm x 150 mm	0.20 mt.
8	BGL	218.22 mt.
9	Total Length of assembly	218.72 mt.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	6.00	6.00	Surface Clay
6.00	42.00	36.00	Fine Sand
42.00	72.00	30.00	Fine to M. Sand with Gravel
72.00	90.00	18.00	M. Sand
90.00	114.00	24.00	Fine to M. Sand
114.00	150.00	36.00	M. Sand
150.00	174.00	24.00	Fine Sand
174.00	216.00	42.00	M. Sand
216.00	243.00	27.00	Fine to M. Sand
243.00	252.00	9.00	Caving Clay
252.00	262.00	10.00	V.V. Fine Sand
262.00	275.00	13.00	Clay

Logging Report

Date 13-05-2019

SL.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	45.0 - 87.0	42.0	Good
2	88.0 - 96.0	8.0	Clay
3	107.0 - 111.0	4.0	Good
4	114.0 - 150.0	36.0	Good
5	152.0 - 155.0	3.0	Good
6	159.0 - 163.0	4.0	Clay
7	174.0 - 181.0	7.0	Good
8	188.0 - 198.0	10.0	Good
9	200.0 - 213.0	13.0	Good
10	216.0 - 221.0	5.0	Clay
11	250.0 - 255.0	5.0	Clay
12	257.0 - 262.0	5.0	Good
13	266.0 - 273.0	7.0	Good

Zone Testing done at following depth

S.N.	Zones (In meter)	Ars. mg/l	Ir. mg/l	Fl. mg/l	Result
1	114 - 150	BDL	BDL	0.80	Satisfactory
2	188 - 198	BDL	0.35	0.09	Satisfactory
3	200 - 213	BDL	0.29	0.09	Satisfactory

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° V Notch.

Date of Test :- 16-10-2019

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in mts	Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark	
	In Inches	In L.P.M.	Starting	Running			5 Min	10 Min	15 Min	20 Min		
1	8	1578	15.25	15.00	0.25	2.50	6000	2500	2000	1200	700	

Note: Recommended for development of T/W by O.P.Unat.

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" Orifice meter.

Date of Test :- 22-10-2019

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	30	870	3.75	2.45	1.30	100	50	Tr	Tr	Cl	Recommended Discharge 500 LPM after 5 min in by pass.
2	20	707	3.13	2.45	0.68	50	Tr	Cl	Cl	Cl	
3	10	503	2.75	2.45	0.30	Tr	Cl	Cl	Cl	Cl	

M/s Dharampal Jaiswal,
Balrampur Contractor

(J.Rinjan)
J. E.

(V.K. Singh)
Assistant Engineer

(J.K. Gupta)
Executive Engineer