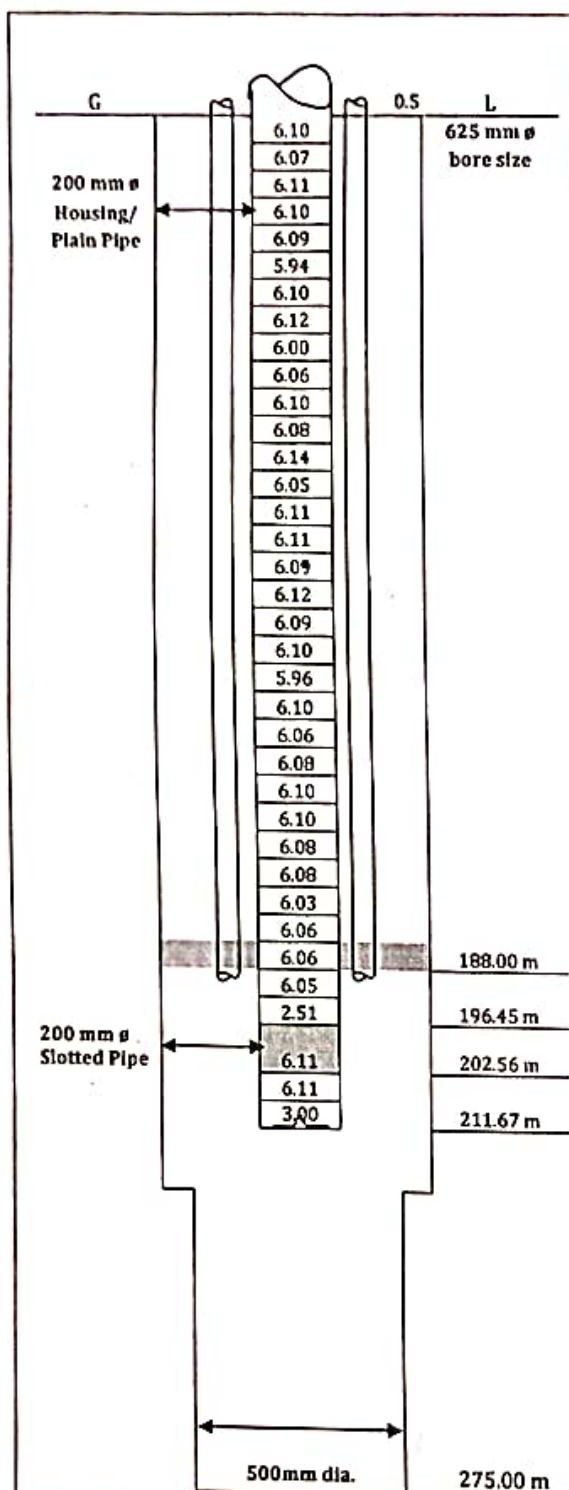


Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Rampur water supply scheme T.W. No-2, Block- Rasra, District- Ballia, (Under Programme- NWQSM)

(Not to Scale)



Detail of Lowering Date - 25-12-2020

1	Drilling depth	275 m.
2	Total housing/ Plain pipe dia 200 mm	206.06 m.
4	Total Slotted pipe dia 200mm	6.11 m.
5	Size of assembly lowering	200mm x 200 mm
8	BGL	211.67 m.
9	Total Length of assembly	212.17 m.

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	12.00	12.00	Surface Clay
12.00	24.00	12.00	Sandy Clay
24.00	36.00	12.00	Fine Sand
36.00	48.00	12.00	Sandy Clay
48.00	66.00	18.00	Fine Sand
66.00	72.00	6.00	Clay
72.00	96.00	24.00	Fine Sand
96.00	132.00	36.00	Fine to medium Sand
132.00	184.00	52.00	V. Fine Sand with Kankar Intermixed
184.00	192.00	8.00	Clay Kankar Intermixed
192.00	204.00	12.00	Fine to medium Sand
204.00	210.00	6.00	V. Fine Sand
210.00	216.00	6.00	Clay
216.00	226.00	10.00	V. Fine Sand
226.00	231.00	5.00	Sandy Clay
231.00	246.00	15.00	Fine Sand
246.00	252.00	6.00	Clay
252.00	256.00	4.00	V. Fine Sand
256.00	260.00	12.00	Kankar Clay Intermixed

Logging Report

Date 11-09-2020

SL.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	27.0-32.0	5.0	Good, fine sand
2	47.0-50.0	3.0	Good, fine sand
3	57.0-62.0	5.0	Moderate, fine sand
4	69.0-72.0	3.0	CLAY
5	185.0-191.0	6.0	CLAY kankar intermixed
6	196.0-203.0	7.0	Good
7	214.0-217.0	3.0	CLAY
8	222.0-225.0	4.0	Good
9	226.0-232.0	6.0	Sandy CLAY
10	232.0-236.0	4.0	Good
11	238.0-245.0	7.0	Good
12	247.0-251.0	4.0	CLAY
13	252.0-255.0	3.0	Good

Between 72.0 mbgl to 185.0 mbgl the quality of formation water is marginal to saline.

Zone Testing done at following depth

S. N.	Zones (In meter)	Ars. mg/l	Ir. mg/l	Fl. mg/l	Result
1	238.00	245.00	BDL	1.43	1.30
2	232.00	236.00	BDL	0.83	1.34
3	196.00	203.00	BDL	BDL	0.85

TEST REPORT OF T.W. DEVELOPMENT BY AIR COMPRESSOR

Discharge measured by 90° V Notch.

Date of Test :- 08-05-2021

Sl. No.	Discharge		Air Pressure in Kg/cm ²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Running	Kg/c m ²	m		5 Min	10 Min	15 Min	20 Min	
1	6	775	19.00	18.00	1.00	10.00	10000	8500	6500	5000	3000	

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. x125 mm. size.

Date of Test :- 11-06-2021

Sl. No.	Discharge		Water level in m.		Depressi on in meters	Starting	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Running	Static			5 Min	10 Min	15 Min	20 Min	
1	10	502	13.12	6.10	7.02	400	300	50	Tr	Tr	
2	6	408	12.44	6.10	6.34	200	100	50	Tr	Tr	
3	4	302	10.60	6.10	4.50	50	Tr	Tr	Cl	Cl	

Recommended Discharge 300 LPM after 15 min. In by pass.

M/s Shiva Associate,
Gorakhpur Contractor(J. Ranjan)
J. E.(P.C. Gupta)
Assistant Engineer(J.K. Gupta)
Executive Engineer