

M/s Shiva Associate Rampur Nayagaon Gorakhnath, Gorakhpur

Proposed Tube well Assembly Chart cum strata Chart For Kotawari water supply scheme, Block-

Rasra, District- Ballia. (Under Programme- N.W.Q.S.M.)

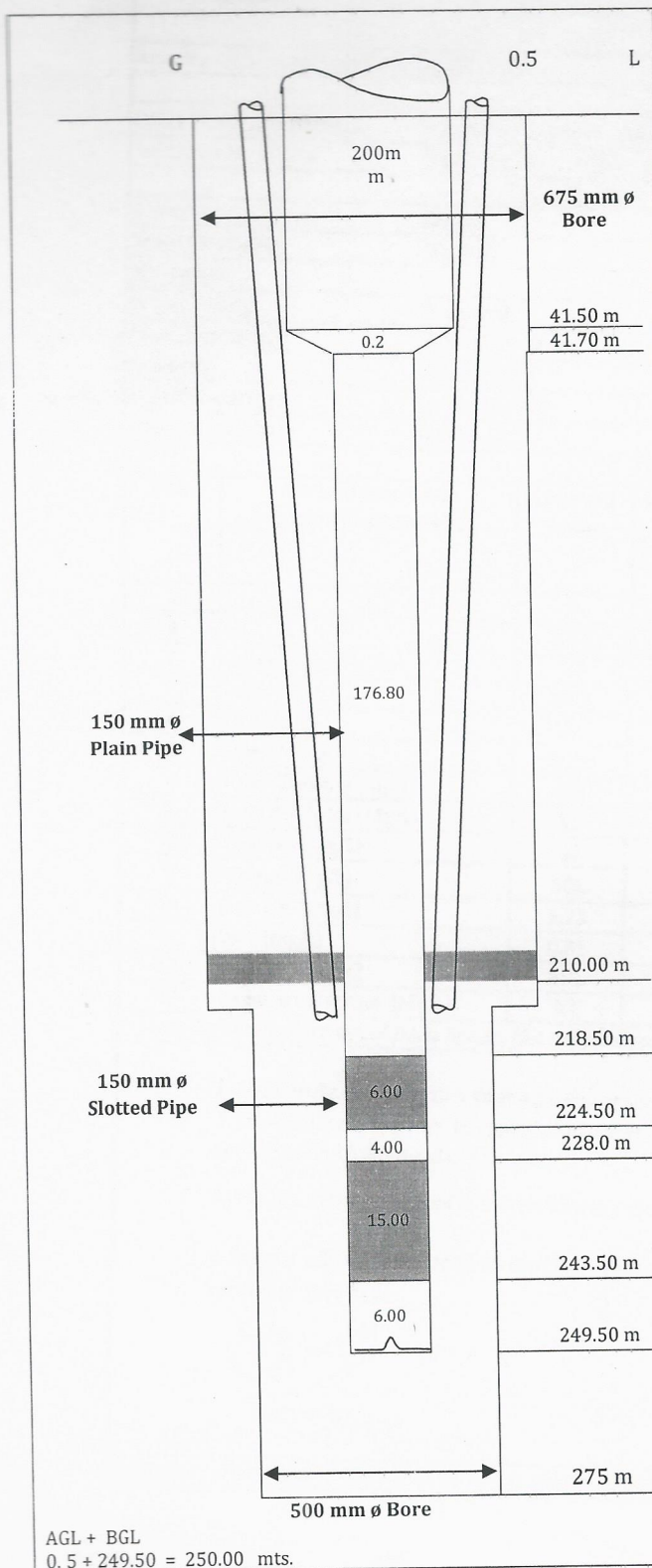
Name of Client :- Executive Engineer Temp. Construction Division (E/M), U.P. Jal Nigam Mau.

Tube well Site :- Kotawari T.W.

Size of T.W. assy. - 300mm x 150 mm dia.

Required Discharge of Tubewell :- 950 LPM

(Not to Scale)



Detail of Lowering		
1	Drilling depth	275.00 mts.
2	Total housing pipe 300 mm dia	42.00 mt.
3	Total Plain pipe 150 mm dia	186.80.00 mt.
4	Total Slotted pipe 150mm dia	21.00 mt.
5	Size of assembly lowering	300mm ϕ x 150 mm ϕ
6	M.S. Reducer 300mm ϕ x 150 mm ϕ	0.20 mt.
7	BGL.	249.50 mt.
8	Total Length of assembly	250.00 mt.

Strata encountered during drilling			
From (m)	To (m)	Thickness (m)	Details of the Strata
0.00	9.00	9.00	Clay
9.00	43.00	34.00	Fine Sand
43.00	56.00	13.00	Fine to M. Sand
56.00	62.00	6.00	Fine Sand
62.00	71.00	9.00	Fine to M. Sand
71.00	75.00	4.00	M. Sand
75.00	88.00	13.00	Fine to M. Sand
88.00	96.00	8.00	Clay
96.00	200.00	104.00	Clay with Kankar
200.00	204.00	4.00	Kankar
204.00	214.00	10.00	Clay
214.00	225.00	11.00	Fine Sand
225.00	245.00	20.00	Fine to M. Sand
245.00	255.00	10.00	Kankar Clay
255.00	275.00	20.00	Clay

Logging Report

Date 01-09-2020

Sl.N.	Depth Range (mbgl)	Thickness (m)	Remark
1	52.0-55.0	3.0	Good
2	58.0-62.0	4.0	CLAY
3	63.0-70.0	7.0	Good
4	71.0-74.0	3.0	CLAY
5	75.0-80.0	5.0	Good
6	83.0-87.0	4.0	Good
7	88.0-96.0	8.0	CLAY
8	204.0-214.0	10.0	CLAY
9	218.0-225.0	7.0	Good
10	228.0-244.0	16.0	Good
11	250.0-255.0	5.0	Good
12	257.0-272.0	15.0	CLAY

All zones are kanker intermixed. Between 96.0 mbgl to 200.0 mbgl the quality of formation water is deteriorating from marginal to saline marginal.

Zone Testing done at following depth

S. N.	Zones (In meter)	Ars. mg/l	Ir. mg/l	Fl. mg/l	Result
1	250.0 255.0	BDL	0.81	1.73	Satisfactory
2	228.0 244.0	BDL	0.11	0.90	Satisfactory
3	218.0 225.0	BDL	BDL	0.95	Satisfactory

Proposed By

Recommended By

Approved

M/s Shiva Associate, Gorakhpur
Contractor

(J. Ranjan)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.K. Gupta)
Executive Engineer