II CONSTRUCTION DIVISION, U.P. JAL NIGAM, ALIGARH

TUBE WELL DRILLING AND DEVELOPING DETAILS

Tube Well No. 2 of SUJAWAL PUR Rig No./Type ..... Size of Bore 675 | 550 m m

Under SUJAWAL PUR w/s scheme. Type of T.W. SLOTTED J. E. Incharge S.P. SHARMA

In Village ..... Block ..... Spiring Level 7.62 m A. E. Incharge S.K. AGRAWAL

Tehsil ..... Distt KASHIRAMNAGAR Agency .....

Depth B.G.L. Meter	Stratum	Represen-tation	Executed Assembly
2.13	HARD CLAY + KANKAR		
6.097	M. SAND + SAND STONE		
			300mm ϕ
20.42	FINE TO MED. SAND		
25.91	SANDY CLAY		
28.66	SANDY CLAY + KANKAR		
33.54	F.S. + SAND STONE	33.64	
		33.94	200mm ϕ
44.21	HARD CLAY + KANKAR		
46.34	SANDY CLAY + KANKAR	46.66	
58.54		58.12m	
61.89	CLAY + KANKAR	62.03	
71.04	F. TO M. SAND + SANDSTONE	70.26m	
76.22	HARD CLAY + KANKAR		
80.49	SANDY CLAY + KANKAR	80.44m	
85.37	FINE SAND & SANDSTONE	84.40m	
		90.33m	
102.13	HARD CLAY		
108.22	HARD CLAY		
125.00	STICKY CLAY		

AGL 0.40m; 34.04 m; 0.30 m; 12.72 m; 11.46; 3.91; 0.23 m; 10.18; 3.96 m; 5.43

ASSEMBLY DETAILS

AGL

300 m.m. ø Housing Pipe 0 to 0.40 M.

300 m.m. ø Housing Pipe 0.40 to 33.64 M.

— m.m. ø Housing Pipe — to — M.

300x200 m.m. ø Reducer 33.64 to 33.94 M.

200 m.m. ø PLAIN Pipe 33.94 to 46.66 M.

200 m.m. ø SLOTT. Pipe 46.66 to 58.12 M.

200 m.m. ø PLAIN Pipe 58.12 to 62.03 M.

200 m.m. ø SLOTT. Pipe 62.03 to 70.26 M.

200 m.m. ø PLAIN Pipe 70.26 to 80.44 M.

200 m.m. ø SLOTT. Pipe 80.44 to 84.40 M.

200 m.m. ø PLAIN Pipe 84.40 to 90.33 M.

..... m.m. ø ..... Pipe ..... to ..... M.

..... m.m. ø ..... Pipe ..... to ..... M.

..... m.m. ø ..... Pipe ..... to ..... M.

WITH AGL Total Assembly 90.73 M.

M.B. No. ..... Page No. .....

ABSTRACT

1. Drilling Started 13.05.2010
2. Drilling Completed .....
3. Drilling Depth 125.00 M.
4. Lowering Started .....
5. Lowering Completed 22.5.2010
6. Assembly Lowered 90.73

with AGL Housing Pipe 300 m.m. dia. 34.04 M.

Blind Pipe 200 m.m. dia. 32.74 M.

Slotted Pipe 200 m.m. dia. 23.65 M.

Reducer 300x200 mm drg 0.30 m

Size of Slott .....

M. B. No. ..... Page No. .....

Remarks

.....

.....

As Executed

Counter Signed

YIELD TEST REPORT BY COMPRESSOR

Date 19.6.2010 Static W. L. 6.30 mt Taste of Water Sweet
R.W.L 11.20 mt Depression 4.90 mt

Sl. No.	Discharge Measured By 90° V. Notch		Sand Contents in P. P. M.							Remarks
	In Inches	In L. P. M.	Start	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.	30 Min.	
1	2	3	4	5	6	7	8	9	10	11
1	–	1500	4500	2200	1000	300	100	70	50	
	Recommended for Development by O.P. unit is must									

Junior Engineer
(T. CHISTI)

Asstt. Engineer
(S.K. AGRAWAL)

YIELD TEST REPORT

1. S. W. L. 6.50 mt
2. Date of Test 01-07-2010
3. Taste of Water SWEET
4. Size of T. Ws
5. Type of T. W.
6. Capacity of O. P. Unit
7. Length of Column Assembly
8. Discharge Measured By

Sl. No.	S. W. L. in Mts.	R. W. L. in Mts.	Depression in Mts.	Discharge in lpm	Sand Contents in P. P. M.							Remarks
					Start	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.	30 Min.	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	6.50	12.60	6.10	2000	700	250	100	Tr	CL	CL	CL	
2	6.50	11.10	4.60	1500	450	150	Tr	CL	CL	CL	CL	
3	6.50	10.65	4.15	1000	200	Tr	CL	CL	CL	CL	CL	

Recmmened Discharge 1500 lpm at 4.60 Mt. depression.

(QUTUBUDDIN)
Junior Engineer

(S.K. AGRAWAL)
Asstt. Engineer

CHEMICAL TEST REPORT

Date of obtaining sample 2.7.2010 Collected by T. CHISTI (J.E.) Agency U.P.J.N. RAMGHAT ROAD ALG.

Date of test	3.7.10	Total Hardness	178	Sulphates	9.6
Colour	Colourless	Temporary Hardness		Lead	
Odour	odourless	Permanent Hardness		Iron	0.07 (0.07)
Turbidity (NTU)	0.1	Total Alkalinity (M)	198	Nitrates	1.77
Ph. Value	7.75	Alkalinity (P)	0	Conductivity	404.4
Total Solid		Calcium		Florides	0.2
Suspended Solids		Magnesium		Taste	Sweet
Dissolved Solids	202	Chlorides	25		

Remark Water is Satisfactory