

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

TUBE WELL DRILLING AND DEVELOPING DETAILS

Tube Well No. 1 of SARAWAL Rig No./Type..... Size of Bore 675/550 mm
 Under SARAWAL w/s scheme. Type of T.W. SLOTTED J. E. Incharge S. P. SHARMA
 In Village..... Block..... Spiring Level 12.0 mt A. E. Incharge S. K. AGRAWAL
 Tehsil..... Distt KAUSHI RAM NAGAR Agency.....

Depth B.G.L. Meter	Stratum	Representa- tion	Executed Assembly	ASSEMBLY DETAILS
3.35 6.09	SANDY CLAY + KANKAR VERY FINE SAND			300 m.m. o Housing Pipe 0 to 0.40 M. 300 m.m. o Housing Pipe 0.40 to 29.53 M. m.m. o Housing Pipe to M. 300x200 m.m. o Reducer 29.53 to 29.83 M. 200 m.m. o PLAIN Pipe 29.83 to 53.86 M. 200 m.m. o SLOTT. Pipe 53.86 to 65.00 M. 200 m.m. o PLAIN Pipe 65.00 to 72.62 M. 200 m.m. o SLOTT. Pipe 72.62 to 75.36 M. 200 m.m. o PLAIN Pipe 75.36 to 86.79 M. 200 m.m. o SLOTT. Pipe 86.79 to 89.05 M. 200 m.m. o PLAIN Pipe 89.05 to 91.37 M. 200 m.m. o SLOTT. Pipe 91.37 to 95.02 M. 200 m.m. o PLAIN Pipe 95.02 to 101.00 M. m.m. o Pipe to M. FROM AGL Total Assembly..... 101.40 M.
24.40	FTO MED. SAND + S. STONE		300 mm dia	
29.58 32.32	HARD CLAY + KANKAR VERY FINE SAND	29.53 29.83		
37.50 38.72	CLAY + KANKAR VERY FINE SAND			
48.17	HARD STICKY CLAY + KANKAR		200 mm dia	
53.66	SANDY + KANKAR	53.86		
59.75 61.28 65.24	F. SAND + SANDSTONE F. SAND + SANDSTONE FTO MED. SAND + SANDSTONE			
71.00 72.00 75.60	STICKY CLAY + KANKAR VERY FINE SAND F. SAND + STICKY CLAY	72.62 75.36		
86.30 89.33	SANDY CLAY + KANKAR FTO MED. SAND	86.79 89.05		
90.85 95.42	CLAY K' FTO MED. SAND	91.37 95.02		
102.13	HARD CLAY	101.00		
111.28	SANDY CLAY			
129.58	CLAY KANKAR			

ABSTRACT

- Drilling Started..... 3.4.2010
 - Drilling Completed.....
 - Drilling Depth..... 129.58 M.
 - Lowering Started.....
 - Lowering Completed..... 12.04.2010
 - Assembly Lowered..... 101.40
- Housing Pipe..... 300 m.m. dia. 29.93 M.
 Blind Pipe..... 200 m.m. dia. 51.38 M.
 Slotted Pipe..... 200 m.m. dia. 19.75 M.
 Reducer 300x200 mm dia 0.36
 Size of Slott.....

M. B. No. Page No.

Remarks

As Executed

Counter Signed

YIELD TEST REPORT BY COMPRESSOR

Date 25.05.2010

Static W. L. 4.45 mt
R.W.L. 9.25 mt

Taste of Water SWEET
DEPRESSION 4.80 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	4400	2500	1000	500	200	Tr	Tr	
	RECOMMENDATION - Development by O.P. Unit is most									

[Signature]
Junior Engineer
(T. CHISTI)

[Signature]
Asstt. Engineer
(S.K. AGRAWAL)

YIELD TEST REPORT

- S. W. L. 4.70 mt
- Date of Test 11.06.2010
- Taste of Water SWEET
- Size of T. Ws
- Type of T. W.
- Capacity of O. P. Unit
- Length of Column Assembly
- Discharge Measured By

Sl. No.	S. W. L. in Mts.	R. W. L. in Mts.	Depress ion in Mts.	Discha rge 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	4.70	10.80	6.10	2000	1000	600	200	50	Tr	CL	CL	
2	4.70	9.30	4.60	1500	500	100	Tr	CL	CL	CL	CL	
3	4.70	8.70	4.00	1000	200	Tr	CL	CL	CL	CL	CL	

Recommened Discharge 1500 l pm at 4.60 Mt. depression.

[Signature]
(GUTUBUDDIN)
Junior Engineer

[Signature]
(S.K. AGRAWAL)
Asstt. Engineer

CHEMICAL TEST REPORT

Date of obtaining sample 25.5.2010

Collected by T. CHISTI J.E.

Agency

Date of test	<u>20.5.2010</u>	Total Hardness	<u>208</u>	Sulphates	<u>14.4</u>
Colour	<u>colourless</u>	Temporary Hardness		Lead	
Odour	<u>odourless</u>	Permanent Hardness		Iron	<u>0.08</u>
Turbidity (NTU)	<u>0.2</u>	Total Alkalinity (M) <i>original</i>	<u>202</u>	Nitrates	<u>0.11</u>
Ph. Value	<u>8.0</u>	Alkalinity (P)	<u>0</u>	Conductivity	<u>496.5</u>
Total Solid		Calcium		Florides	<u>0.5</u>
Suspended Solids		Magnesium		Taste	<u>SWEET</u>
Dissolved Solids	<u>247</u>	Chlorides	<u>16</u>		

Remark WATER IS SATISFACTORY