



**CONST. DIVISION (E/M), U. P. JAL NIGAM GHAZIABAD**

Completion Plan of T W No. 01 at RAJHEDA DISTRICT HAPUR

Type of Rig m/c 600/27' Size of Bore 600x450mm s.w.l. 3:00 Mts.

Agency M/S S.A.S.L ENTERPRISES 488/2 PRABHAT NAGAR, MEERUT.

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
G.L.			0.47M AGL.	250X150 m. m. Dia Housing pipe 0.47M AGL m to 36.00 m"
3.00M		SURFACE CLAY		150 m. m. Dia Reducer 36.00 m to 36.15 m"
6.00M		YELLOW F. SAND		150 m. m. Dia Blind pipe 36.15 m to 48.28 m"
12.00M		MEDIUM SAND		150 m. m. Dia Slotted pipe 48.28 m to 54.35 m"
18.00M		CLAY KANKER		150 m. m. Dia Blind pipe 54.35 m to 66.49 m"
24.00M		M. SAND		150 m. m. Dia Slotted pipe 66.49 m to 81.64 m"
27.00M		CLAY		150 m. m. Dia Blind pipe 81.64 m to 87.73 m"
30.00M		KANKER SANDY CLAY		150 m. m. Dia Slotted pipe 87.73 m to 96.80 m"
36.00M		YELLOW FINE SAND		150 m. m. Dia Blind pipe 96.80 m to 103.47 m"
42.00M		SANDY CLAY		
47.00M		FINE SAND		
55.00M		SAND WITH SAND STONE		
58.00M		CLAY		
65.00M		FINE SAND		
		FINE TOM SAND		
82.50M		SANDY CLAY	81.34M	
85.50M			87.73M	
		MEDIUM SAND		
98.00M			96.80M	
		SANDY CLAY	103.00M	
110.00M				

Total Assembly 103.47 m"

**ABSTRACT**

1. Drilling Started on 24-09-2014
  2. Drilling Completed on 05-10-2014
  3. Assembly Lowered on 06-10-2014
  4. Drilling Depth 110.00 m.
  5. Assembly Lowered 103.47 m.
- Housing Pipe 250 m. m. dia 36.47 m  
 Blind Pipe 150 m. m. dia 36.56 m  
 Slotted Pipe 150 m. m. dia 30.29 m

As Executed

*Ajay*

Representative

*M.S.*  
(MAHAVEER SINGH)

J. E.

*R. Jain*  
(R.C. JAIN)

A. E.

Countersigned

*R.*  
(RAKESH KUMAR)

Executive Engineer

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### TEST REPORT BY COMPRESSOR

Date of Test 13-10-2014 Static W/L 3.00 Taste of Water

Discharge by V. Notch		Sand Contents						Remarks
In Inch.	In LPM	Start	5 Min.	10 Min.	15 Min.	30 Min.	60 Min.	
6"	768	950	800	600	500	400		
6 1/2"	930	1100	950	750	650	550		
7"	1137	1450	1150	950	750	650		

J. E. A. E. C/S  
E. E.

### YIELD TEST REPORT

L. No. 2136 1V-8 1278 Dt. 11-11-14 S.W.L. 3.00 M. Taste of Water SWEET Date of Test 26-10-2014

V Notch / Orifice Reading	Discharge In L. P. M.	R. W. L. In Mts.	Depression In Mts.	SAND CONTENTS					
				Starting	5 Min.	10 Min.	15 Min.	20 Min.	30 Min.
8"	700	7.00	4.00	30	Tr.	Cl.	Cl.	Cl.	Cl.
11"	814	7.50	4.50	50	Tr.	Cl.	Cl.	Cl.	Cl.
14"	920	8.00	5.00	100	40	Tr.	Cl.	Cl.	Cl.
17"	1000	8.50	5.50	150	70	60	Tr.	Cl.	Cl.
25"	1180	9.00	6.00	300	150	100	40	30	Tr.

Recommended 800 LPM discharge at 4.50 mts. depression. J. E. A. E. C/S  
E. E.

### WATER SAMPLE TEST RESULTS

AGENCY  
C120 MLD WATER TREATMENT  
LAB, PRATAP VIHAR, GHAZIABAD. REF :- L.No. 20921 V-8 1275 DATED 10-11-14

1. TURBIDITY..... N.T.U. 1.3	10. MAGNESIUM (as mg) mgl. 20.4
2. PH..... 8.45	11. IRON (as Fe) mgl. 0.1
3. TOTAL DISSOLVED SOLIDS mgl. 490	12. RESIDUAL CHLORINE mgl. Nil
4. TOTAL HARDNESS (as Ca CO3) mgl. 164	13. ARSENIC (as As) mgl. <0.05
5. CHLORIDES (as CL) mgl. 92	
6. SULPHATES (as SO4) mgl. 76	
7. FLUORIDES (as F) mgl. 0.3	
8. NITRATES (as NO3) mgl. 5	
9. CALCIUM (as Ca) mgl. 32	

Draught's Signature J. E. A. E. Executive Engineer