



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

Completion Plan of T W No. 01 at SALAR PUR DISTRICT HAPUR

Type of Rig m/c R.C. 600/27 Size of Bore 550x450mm S.W.L. Mts.

Agency M/S. PIONEER DRILLING CO. VAISHALI, GHAZIABAD

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
			0.26M AGL	200m. m. Dia Housing pipe 0.26M AGL m to 34.80m
G.L.		SURFACE CLAY		200 m. m. Dia Reducer 34.80 m to 34.95m
6.00M		SANDY CLAY		150 m. m. Dia Blind pipe 34.95 m to 40.95m
13.00M		FINE SAND		150 m. m. Dia Slotted pipe 40.95 m to 46.95 m
25.00M		CLAY		150 m. m. Dia Blind pipe 46.95 m to 65.02 m
30.00M		CLAY KANKER		150 m. m. Dia Slotted pipe 65.02 m to 77.06 m
35.00M		SANDY CLAY		150 m. m. Dia Blind pipe 77.06 m to 83.17 m
39.50M		MEDIUM SAND		150 m. m. Dia Slotted pipe 83.17 m to 89.17 m
47.80M		CLAY		150 m. m. Dia Blind pipe 89.17 m to 95.19 m
51.00M		FINE YELLOW SANDY CLAY	 m. m. Dia pipe m to m
54.20M		FINE YELLOW SANDY CLAY	 m. m. Dia pipe m to m
56.00M		FINE YELLOW SANDY CLAY	 m. m. Dia pipe m to m
62.50M		M-SAND	 m. m. Dia pipe m to m
64.00M		FINE SAND		Total Assembly <u>95.45</u> m
77.60M		MEDIUM SAND		
82.80M		SANDY CLAY		
90.00M				
105.00M				

ABSTRACT

1. Drilling Started on 09-04-2014
 2. Drilling Completed on 18-04-2014
 3. Assembly Lowered on 19-04-2014
 4. Drilling Depth 105.00 m.
 5. Assembly Lowered 95.45 m.
- Housing Pipe 200 m. m. dia 35.06 m
 Blind Pipe 150 m. m. dia 36.20 m
 Slotted Pipe 150 m. m. dia 24.04 m

As Executed

 Representative

M. S.
 (MAHAVEERSINGH)
 J. E.

R. Jain
 (R.C. JAIN)
 A. E.

Countersigned

 (RAKESH KUMAR)
 Executive Engineer

TEST REPORT BY COMPRESSOR

Date of Test 25-04-2014 Static W/L _____ Taste of Water SWEET

Discharge by V. Notch		Sand Contents						Remarks
In Inch.	In LPM	Start	5 Min.	10 Min.	15 Min.	30 Min.	60 Min.	
4 1/2"	376.50	1000	800	700	600	500		
5"	487.50	1100	1000	800	700	600		
6"	768	1200	1100	900	800	700		

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

YIELD TEST REPORT

L. No. ¹⁰³⁰ 1 V-8/1177 Dt. 02-06-14 S.W.L. 10.00 Taste of Water SWEET Date of Test 05-05-2014

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.
7"	435	13.50	3.50	40	5	Tr.	Cl.	Cl.	Cl.
10"	503	13.90	3.90	50	15	Tr.	Cl.	Cl.	Cl.
12"	552	14.40	4.40	100	50	10	Tr.	Cl.	Cl.
15"	613	14.90	4.90	200	90	20	10	Tr.	Cl.
22"	745	15.60	5.60	30	150	100	50	40	10

Recommended 500 L.P.M. discharge at 3.90 mts. depression. M. J. E. A. E. C/S E. E.

WATER SAMPLE TEST RESULTS

AGENCY
 C120 MLD WATER TREATMENT
 LAB, PRATAP VIHAR, GHAZIABAD.

REF :- L.No.998/V-8 1174 DATED 30-05-2014

1. TURBIDITY.....	N.T.U. 0.9	10. MAGNESIUM (as mg) mgl.	20.8
2. PH.....	8.05	11. IRON (as Fe) mgl.	0.1
3. TOTAL DISSOLVED SOLIDS mgl.	370	12. RESIDUAL CHLORINE mgl. Nil	
4. TOTAL HARDNESS (as ca co3) mgl.	184		
5. CHLORIDES (as CL) mgl.	42		
6. SULPHATES (as So4) mgl.	57		
7. FLUORIDES (as F) mgl.	0.5		
8. NITRATES (as No3) mgl.	6		
9. CALCIUM (as Ca) mgl.	392		

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