



21/4

612

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

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

Type of Rig m/c R.C. Rig 600/27' Size of Bore 675 X 550 mm S.W.L. Mts.

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

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
GL.			0.50M AGL.	
3.00M		SURFACE CLAY		300 m. m. Dia Housing pipe 0.50M AGL to 35.65 m"
10.00M		MEDIUM SAND		300 x 150 m. m. Dia Reducer 35.65 m to 35.80 m"
14.00M		CLAY		150 m. m. Dia Blind pipe 35.80 m to 46.93 m"
21.00M		MEDIUM SAND		150 m. m. Dia Slotted pipe 46.93 m to 58.96 m"
24.00M		SANDY CLAY		150 m. m. Dia Blind pipe 58.96 m to 64.99 m"
30.00M		KANKER CLAY		150 m. m. Dia Slotted pipe 64.99 m to 77.08 m"
40.00M		FINE SAND	35.80M	150 m. m. Dia Blind pipe 77.08 m to 80.08 m"
45.50M		CLAY		150 m. m. Dia Slotted pipe 80.08 m to 86.14 m"
60.00M		MEDIUM SAND	46.93M	150 m. m. Dia Blind pipe 86.14 m to 92.64 m"
64.00M		SANDY CLAY	 m. m. Dia pipe m to m"
64.00M			58.96M m. m. Dia pipe m to m"
64.00M			64.99M m. m. Dia pipe m to m"
77.85M		MEDIUM SAND		Total Assembly 92.64 m"
79.00M		V. FINE SAND	77.08M	
87.00M		MEDIUM SAND	80.08M	
			86.14M	
		CLAY	92.64M	
103.00M				

ABSTRACT

1. Drilling Started on 23-03-2014
 2. Drilling Completed on 27/03/2014
 3. Assembly Lowered on 28-03-2014
 4. Drilling Depth 103.00 m.
 5. Assembly Lowered 92.64 m.
- Housing Pipe 300 m. m. dia 36.15 m
 Blind Pipe 150 m. m. dia 26.31 m
 Slotted Pipe 150 m. m. dia 30.18 m

As Executed
Ajay
 Representative

Singh
 (PREM SINGH KUSHWAHA)
 J. E.

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

Countersigned
R
 (RAKESH KUMAR)
 Executive Engineer

TEST REPORT BY COMPRESSOR

Date of Test 05-04-2014 Static W/L 12.50 M. 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.	
6½"	930	1100	950	750	650	550		
7"	1137	1450	1150	950	750	650		
7½"	1335	1600	1300	1100	900	800		

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

YIELD TEST REPORT

L. No. 761/V-8/1143 Dt. 22-4-14
 S.W.L. 12.50 M. Taste of Water SWEET Date of Test 19-04-2014

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.
5"	1060	16.60	4.10	80	Tr.	Cl.	Cl.	Cl.	Cl.
6"	1154	17.00	4.50	150	50	20	Tr.	Cl.	Cl.
8"	1325	17.60	5.10	250	100	50	20	Tr.	Cl.
9.5"	1450	18.10	5.60	400	250	100	30	20	Tr.
10.5"	1522	18.80	6.30	550	350	200	100	50	20

Recommended 1000 LPM discharge at 4.00 mts. depression. *J. E.* *A. E.* *G. C/S*
E. E.

WATER SAMPLE TEST RESULTS

AGENCY

C120 MLD WATER TREATMENT

LAB, PRATAP VIHAR, GHAZIABAD.

REF :- L.No.719 / V-8 / 1132 DATED 15-04-2014

1. TURBIDITY.....NTU..... <u>2</u>	10. MAGNESIUM (as mg) mgl. <u>13.6</u>
2. PH..... <u>7.8</u>	11. IRON (as Fe) mgl. <u>0.1</u>
3. TOTAL DISSOLVED SOLIDS mgl. <u>265</u>	12. RESIDUAL CHLORINE mgl. Nil
4. TOTAL HARDNESS (as ca co3) mgl. <u>136</u>	
5. CHLORIDES (as CL) mgl. <u>41</u>	
6. SULPHATES (as So4) mgl. <u>39</u>	
7. FLUORIDES (as F) mgl..... <u>0.4</u>	
8. NITRATES (as No3) mgl..... <u>3</u>	
9. CALCIUM (as Ca) mgl..... <u>32</u>	

J. E.
Draught's Signature

A. E.
A. E.

A. E.
A. E.

G.
Executive Engineer