

45/15

696



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

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

Type of Rig m/c 600X27 Size of Bore 550X450mm S.W.L. Mts.

Agency M/S. HINDUSTAN PUMPS & MACHINERY, MEERUT

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
			0.50M-AGL.	200 m. m. Dia Housing pipe 0.50M-AGL to 36.26 m"
G.L. 3.00M.		SURFACE CLAY		150 m. m. Dia Reducer 36.26 m to 36.41 m"
8.50M.		SANDY CLAY		150 m. m. Dia Blind pipe 36.41 m to 60.41 m"
12.00M.		CLAY		150 m. m. Dia Slotted pipe 60.41 m to 62.91 m"
18.00M.		FINE TO M. SAND		150 m. m. Dia Blind pipe 62.91 m to 66.46 m"
19.50M.		YELLOW SAND		150 m. m. Dia Slotted pipe 66.46 m to 78.46 m"
23.00M.		CLAY KANKER		150 m. m. Dia Blind pipe 78.46 m to 82.51 m"
28.50M.		SAND CLAY		150 m. m. Dia Slotted pipe 82.51 m to 85.51 m"
30.00M.		YELLOW SAND		150 m. m. Dia Blind pipe 85.51 m to 91.68 m"
37.50M.		CLAY KANKER		..... m. m. Dia pipe m to m"
42.00M.		YELLOW SAND		..... m. m. Dia pipe m to m"
46.00M.		CLAY		..... m. m. Dia pipe m to m"
55.00M.		YELLOW SAND		..... m. m. Dia pipe m to m"
59.50M.		FINE SAND		..... m. m. Dia pipe m to m"
63.20M.		CLAY KANKER		..... m. m. Dia pipe m to m"
66.00M.		MEDIUM SAND		..... m. m. Dia pipe m to m"
79.00M.		VERY F. SAND		..... m. m. Dia pipe m to m"
81.50M.		MEDIUM SAND		..... m. m. Dia pipe m to m"
86.50M.		CLAY KANKER		..... m. m. Dia pipe m to m"
92.00M.		CLAY		..... m. m. Dia pipe m to m"
100.00M.				
				Total Assembly <u>92.18</u> m"

ABSTRACT

1. Drilling Started on 14-11-2015
 2. Drilling Completed on 22-11-2015
 3. Assembly Lowered on 24-11-2015
 4. Drilling Depth 100.00 m.
 5. Assembly Lowered 92.18 m.
- Housing Pipe 200 m. m. dia 36.76 m
 Blind Pipe 150 m. m. dia 37.77 m
 Slotted Pipe 150 m. m. dia 17.50 m

As Executed J.P. (P. S. KUSHWAH) Representative J. E.

Countersigned J.P. (Y. K. BANSAL) Executive Engineer A. E.

696

TEST REPORT BY COMPRESSOR

Date of Test 2-12-15 Static W/L - 12.5M Taste of Water NORMAL

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		

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

YIELD TEST REPORT

²⁵⁸² L. No. TU-8 1230 Dt. 31-12-15 S.W.L. 12.5M Taste of Water NORMAL Date of Test 19-12-2015

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"	400	12.40	2.40	30	Cl.	Cl.	Cl.	Cl.	
10"	600	12.90	2.90	70	Tr.	Tr.	Tr.	Cl.	
12"	700	13.20	3.20	100	50	Tr.	Tr.	Cl.	

Recommended 400 LPM discharge at 2.40 mts. depression. J.E. A.E. E.E.

WATER SAMPLE TEST RESULTS

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

REF :- L.No. 1697 2R2T 1274 DATED 31/12/15

1. TURBIDITY.....	NTU <u>3.5</u>	10. MAGNESIUM (as mg) mgl.	<u>19.30</u>
2. PH.....	<u>7.9</u>	11. IRON (as Fe) mgl.	<u>0.21</u>
3. TOTAL DISSOLVED SOLIDS mgl.	<u>340</u>	12. RESIDUAL CHLORINE mgl. Nil	
4. TOTAL HARDNESS (as ca co3) mgl.	<u>216</u>		
5. CHLORIDES (as CL) mgl.	<u>25</u>		
6. SULPHATES (as So4) mgl.	<u>43</u>		
7. FLUORIDES (as F) mgl.	<u>0.2</u>		
8. NITRATES (as No3) mgl.	<u>5.6</u>		
9. CALCIUM (as Ca) mgl.	<u>54.5</u>		

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