



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

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

Type of Rig m/c 600X27' Size of Bore 5.50X450mm 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. 3.60M.		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"
		YELLOW FINE SAND		..... m. m. Dia ..... pipe ..... m to ..... m"
55.00M.		CLAY		..... m. m. Dia ..... pipe ..... m to ..... m"
59.50M.		MEDIUM SAND		..... m. m. Dia ..... pipe ..... m to ..... m"
63.20M.		CLAY KANKER		..... m. m. Dia ..... pipe ..... m to ..... m"
66.00M.				Total Assembly 92.18..... m"
		MEDIUM SAND		
79.00M.				
81.50M.		VERY F. SAND		
86.50M.		MEDIUM SAND		
92.00M.		CLAY KANKER		
		CLAY		
100.00M.				

### 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

*(Signature)*  
(P. S. KUSHWAH)

*(Signature)*  
(Y. K. BANSAL)

Countersigned

Representative

J. E.

A. E.

Executive Engineer



## TEST REPORT BY COMPRESSOR

(896)

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.*

*J.E.*

C/S  
E. E.

## YIELD TEST REPORT

L No. TV-8 1230 DL31-12-15 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"	460	12.40	2.40	30	U.	U.	U.	U.	
10"	690	12.90	2.90	70	Tr.	Tr.	Tr.	U.	
12"	700	13.20	3.20	100	50	Tr.	Tr.	U.	

Recommended 400 LPM discharge at 2.40 mts. depression. *J.E.* *J.E.* C/S  
E. E.

## WATER SAMPLE TEST RESULTS

AGENCY  
C120 MLD WATER TREATMENT  
LAB, PRATAP VIHAR, GHAZIABAD. REF:- LNo. 1697 2/12/15 DATED 31/12/15

1. TURBIDITY.....	<u>NTU 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>56</u>		
9. CALCIUM (as Ca) mgl. ....	<u>54.5</u>		

*J.E.*  
Draught's Signature

*J.E.*

*J.E.*

Executive Engineer