



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

Completion Plan of T W No. 01 at PEAR NAGAR DISTRICT HAPUR SUDNA

Type of Rig m/c 600/27 Size of Bore 675 X 450 s.W.L. 19.50 Mts.

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

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
			0.49M. AGL	300m. m. Dia Housing pipe 0.49M. Dia to 35.80m"
G.L.		SURFACE CLAY		300m. m. Dia Reducer 35.80 m to 35.95m"
		CLAY		150m. m. Dia Blind pipe 35.95 m to 51.04 m"
15.00M		FINE SAND		150m. m. Dia slotted pipe 51.04 m to 69.12 m"
24.00M 27.00M		CLAY		150m. m. Dia Blind pipe 69.12 m to 73.65m"
		FINE SAND		150m. m. Dia slotted pipe 73.65 m to 91.93 m"
36.00M 42.00M		CLAY	35.80M 35.95M	150m. m. Dia Blind pipe 91.93 m to 97.97 m"
49.00M		CLAY		..... m. m. Dia ..... pipe ..... m to ..... m"
		MEDIUM SAND	51.04M	..... m. m. Dia ..... pipe ..... m to ..... m"
			69.12M	..... m. m. Dia ..... pipe ..... m to ..... m"
			73.65M	Total Assembly ..... 98.46 ..... m"
			91.93M	
93.00M		CLAY	97.97M	
105.00M				

**ABSTRACT**

1. Drilling Started on 11-05-2014
  2. Drilling Completed on 19-05-2014
  3. Assembly Lowered on 20-05-2014
  4. Drilling Depth 105.00 m.
  5. Assembly Lowered 98.46 m.
- Housing Pipe ..... 300 ..... m. m. dia 36.29 m  
 Blind Pipe ..... 150 ..... m. m. dia 25.66 m  
 Slotted Pipe ..... 150 ..... m. m. dia 36.36 m

As Executed

*Ajay*

Representative

*(Prem Singh)*  
 (PREM SINGH KUSHWAH)

J. E.

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

A. E.

Countersigned

*(Rakesh Kumar)*  
 (RAKESH KUMAR)

Executive Engineer

### TEST REPORT BY COMPRESSOR

Date of Test <u>26-05-2014</u>		Static W/L <u>19.90M.</u>		Taste of Water <u>Normal</u>				
Discharge by V. Notch		Sand Contents					Remarks	
In Inch.	In LPM	Start	5 Min.	10 Min.	15 Min.	30 Min.	60 Min.	
7"	1165	300	250	200	150	50		continuity Recovered
7 1/2"	1332	350	300	250	100	100		Pea gravel
8"	1607	400	300	300	100	100		Not going bare
J. E.		A. E.					E. E.	

### YIELD TEST REPORT

L.No. <sup>1115</sup> 1V-8/19 Dt. 10-6-14  
 S.W.L. 19.50M. Taste of Water SWEET Date of Test 05-06-2014

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.
5.5"	1109	22.60	4.10	40	Tr.	Cl.	Cl.	Cl.	Cl.
7.5"	1283	24.10	4.60	60	Tr.	Cl.	Cl.	Cl.	Cl.
9.5"	1408	24.50	5.00	80	30	Tr	Cl.	Cl.	Cl.
12"	1627	25.00	5.50	150	90	30	10	Cl.	Cl.
16"	1875	26.00	6.50	250	150	50	20	5	Cl.

Recommended 1250 L.P.M. discharge at 3.90 mts. depression. J. E. A. E. E. E.

### WATER SAMPLE TEST RESULTS

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

REF :- L.No. 11991V-8 1197 DATED 24-6-14

1. TURBIDITY..... NTU <u>1.2</u>	10. MAGNESIUM (as mg) mgl. .... <u>12.6</u>
2. PH..... <u>8.47</u>	11. IRON (as Fe) mgl. .... <u>0.08</u>
3. TOTAL DISSOLVED SOLIDS mgl. .... <u>4.5</u>	12. RESIDUAL CHLORINE mgl. Nil
4. TOTAL HARDNESS (as ca co3) mgl. .... <u>11.6</u>	
5. CHLORIDES (as Cl) mgl. .... <u>30</u>	
6. SULPHATES (as So4) mgl. .... <u>73</u>	
7. FLUORIDES (as F) mgl. .... <u>0.5</u>	
8. NITRATES (as No3) mgl. .... <u>7</u>	
9. CALCIUM (as Ca) mgl. .... <u>25.6</u>	

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