



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

BANGAR PUR

Completion Plan of T W No. 01 at MUZZAFERA DISTRICT HAPUR

Type of Rig m/c 600X27 Size of Bore 67.5X600mm S.W.L. 11:00 Mts.

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

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
			0.50M. AGL.	
G.L. 3.00M		SURFACE CLAY		300X200 m. m. Dia Housing pipe 0.50M AGL to 35.73 m"
6.00M		CLAY		200m. m. Dia Reducer 35.73 m to 35.88 m"
12.00M		YELLOW FINE SAND		200m. m. Dia Blind pipe 35.88 m to 41.92 m"
		FINE SAND		200m. m. Dia Slotted pipe 41.92 m to 53.98 m"
24.00M		CLAY KANKER		200m. m. Dia Blind pipe 53.98 m to 66.05 m"
		CLAY		200 m. m. Dia Slotted pipe 66.05 m to 78.13 m"
40.00M				200m. m. Dia Blind pipe 78.13 m to 84.15 m"
		FINE TOM SAND		200m. m. Dia Slotted pipe 84.15 m to 99.22 m"
54.50M				200m. m. Dia Blind pipe 99.22 m to 105.25 m"
		CLAY		m. m. Dia pipe m to m"
65.00M				m. m. Dia pipe m to m"
		MEDIUM SAND		m. m. Dia pipe m to m"
78.60M		CLAY KANKER		Total Assembly 105.75 m"
83.00M				
		MEDIUM SAND		
100.00M				
		CLAY		
113.00M				

ABSTRACT

1. Drilling Started on 28-03-2015
 2. Drilling Completed on 09-04-2015
 3. Assembly Lowered on 11-04-2015
 4. Drilling Depth 113.00 m.
 5. Assembly Lowered 105.75 m.
- Housing Pipe 300 m. m. dia 36.23 m
 Blind Pipe 200 m. m. dia 30.15 m
 Slotted Pipe 200 m. m. dia 39.22 m

As Executed

M.S.
 (MAHAVEER SINGH) (R.C. JAIN)

Countersigned

Representative

J. E.

A. E.

Executive Engineer

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TEST REPORT BY COMPRESSOR

Date of Test 18-04-2015 Static W/L 11.00.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.	
8	1618	9000	7000	5000	4000	2500		
8 1/2"	1815	11000	9000	5500	4500	2900		Continuity available for gravit

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

YIELD TEST REPORT

L. No. 329 / V-8167 Dt. 02-05-15
 S.W.L. 11.00 Taste of Water SWEET Date of Test 28-04-2015

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.
10.5"	1521	15.00	4.00	40	Tr.	Cl.	Cl.	Cl.	Cl.
13"	1628	15.50	4.50	60	Tr.	Tr.	Cl.	Cl.	Cl.
20"	2062	16.00	5.00	150	100	50	20	Tr.	Cl.
25"	2301	16.50	5.50	200	150	80	50	20	Tr.
34"	2706	17.00	6.00	500	250	150	100	50	20

Recommended 1600 LPM discharge at 4.50 mts. depression. J. E. A. E. C/S
E. E.

WATER SAMPLE TEST RESULTS

AGENCY
 C120 MLD WATER TREATMENT
 LAB, PRATAP VIHAR, GHAZIABAD. REF :- L.No. 919 / V-8 175 DATED 14-05-2015

1. TURBIDITY.....NTU.....	0.5	10. MAGNESIUM (as mg) mgl.	4.8
2. PH.....	8.36	11. IRON (as Fe) mgl.	0.07
3. TOTAL DISSOLVED SOLIDS mgl.	215	12. RESIDUAL CHLORINE mgl. Nil	
4. TOTAL HARDNESS (as ca co3) mgl.	64		
5. CHLORIDES (as CL) mgl.	57		
6. SULPHATES (as So4) mgl.	49		
7. FLUORIDES (as F) mgl.....	0.2		
8. NITRATES (as No3) mgl.....	3		
9. CALCIUM (as Ca) mgl.....	17.6		

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