



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

Completion Plan of T W No. 01 at ATRAULI DISTRICT GHAZIABAD

Type of Rig m/c 600 X 27" Size of Bore 675 X 600 mm S.W.L. Mts.

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

Depth B.G.L. Meter	Boring Chart	Stratum	Lowered Assembly	ASSEMBLY DETAILS
			0.50 M A.G.L.	300 X 200 m. m. Dia Housing pipe 0.50 M A.G.L. to 35.83 m"
2.13		SURFACE CLAY		200 m. m. Dia Reducer 35.83 m to 35.98 m"
12.50 M				200 m. m. Dia Blind pipe 35.98 m to 42.02 m"
				200 m. m. Dia Slotted pipe 42.02 m to 66.24 m"
				200 m. m. Dia Blind pipe 66.24 m to 93.39 m"
				200 m. m. Dia Slotted pipe 93.39 m to 102.49 m"
		MEDIUM SAND		200 m. m. Dia Blind pipe 102.49 m to 108.56 m"
				35.83 M 35.98 M m. m. Dia pipe m to m"
				42.02 M m. m. Dia pipe m to m"
			 m. m. Dia pipe m to m"
			 m. m. Dia pipe m to m"
67.00 M		CLAY		66.24 M m. m. Dia pipe m to m"
73.00 M		V. FINE SAND		Total Assembly 109.06 m"
78.30 M		CLAY		
92.50 M				93.39 M m. m. Dia pipe m to m"
		MEDIUM SAND		102.49 M m. m. Dia pipe m to m"
103.00 M		SANDY CLAY		108.56 M m. m. Dia pipe m to m"
117.00 M				

ABSTRACT

1. Drilling Started on 04-04-2015
 2. Drilling Completed on 09-04-2015
 3. Assembly Lowered on 10-04-2015
 4. Drilling Depth 117.00 m.
 5. Assembly Lowered 109.06 m.
- Housing Pipe 300 m. m. dia 36.33 m
Blind Pipe 200 m. m. dia 39.26 m
Slotted Pipe 200 m. m. dia 33.32 m

As Executed

Ajay

Representative

My
(NARESH KUMAR)

J. E.

(R.C. JAIN)
(R.C. JAIN)

A. E.

Countersigned

(Rakesh Kumar)
(RAKESH KUMAR)

Executive Engineer

TEST REPORT BY COMPRESSOR

Taste of Water SWEET

Date of Test 16-04-2015 Static W/L

Discharge by V. Notch		Sand Contents					Remarks
In Inch.	In LPM	Start	5 Min.	10 Min.	15 Min.	30 Min.	1 Min.
<u>7 3/4"</u>	<u>1447</u>	<u>9000</u>	<u>7000</u>	<u>5000</u>	<u>4000</u>	<u>2200</u>	
<u>8 1/2"</u>	<u>1815</u>	<u>10000</u>	<u>9000</u>	<u>6000</u>	<u>4500</u>	<u>2900</u>	

M2
J. E.
Ryan
A. E.
C/S
E. E.

YIELD TEST REPORT

L. No. 1157 / V-8 1118 Dt. 05-6-15
 S.W.L. 8.00 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.
<u>5.5"</u>	<u>1109</u>	<u>9.84</u>	<u>1.84</u>	<u>Tr.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>
<u>7.5"</u>	<u>1283</u>	<u>11.39</u>	<u>3.39</u>	<u>Tr.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>
<u>9"</u>	<u>1408</u>	<u>12.50</u>	<u>4.50</u>	<u>40</u>	<u>20</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>	<u>Cl.</u>
<u>15"</u>	<u>1817</u>	<u>16.13</u>	<u>8.13</u>	<u>100</u>	<u>40</u>	<u>20</u>	<u>Tr.</u>	<u>Cl.</u>	<u>Cl.</u>
<u>20"</u>	<u>2062</u>	<u>18.30</u>	<u>10.30</u>	<u>150</u>	<u>70</u>	<u>30</u>	<u>Tr.</u>	<u>Tr.</u>	<u>Cl.</u>

Recommended 1400 LPM discharge at 4.50 mts. depression. M2 Ryan C/S
 J. E. A. E. E. E.

WATER SAMPLE TEST RESULTS

AGENCY
 C120 MLD WATER TREATMENT
 LAB, PRATAP VIHAR, GHAZIABAD. REF :- L.No. 921 / V-8 177 DATED 14-5-15

1. TURBIDITY.....NTU..... <u>9.4</u> 2. PH..... <u>8.25</u> 3. TOTAL DISSOLVED SOLIDS mg/l..... <u>340</u> 4. TOTAL HARDNESS (as ca co3) mg/l..... <u>168</u> 5. CHLORIDES (as CL) mg/l..... <u>32</u> 6. SULPHATES (as So4) mg/l..... <u>46</u> 7. FLUORIDES (as F) mg/l..... <u>0.3</u> 8. NITRATES (as No3) mg/l..... <u>4</u> 9. CALCIUM (as Ca) mg/l..... <u>37.6</u>	10. MAGNESIUM (as mg) mg/l..... <u>17.9</u> 11. IRON (as Fe) mg/l..... <u>0.25</u> 12. RESIDUAL CHLORINE mg/l. Nil
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[Signature]
Draught's Signature
M2
J. E.
Ryan
A. E.
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Executive Engineer