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

Completion Plan of T W No. 01 (MSDP) at HAZIPUR BHATOLA DISTRICT BGR

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

Agency M/S SOBHARAMPREMI GARH ROAD MEERUT

| Depth B.G.L. Meter | Boring Chart | Stratum | Lowered Assembly |
|---|---|---|---|
| G.L. | | | G.S.M. A.G.L. |
| 3.00M | | SURFACE CLAY | 6.1 / 6.20 |
| 12.00M | | FINE SAND | |
| 24.00M | | FINE SAND | |
| 43.00M | | FINE M. SAND | 38.50M / 38.65M |
| 62.00M | | FINE M. SAND | 44.70M / 61.10M |
| 72.00M | | SANDY CLAY | 73.22M |
| 82.00M | | FINE SAND | 81.88M / 87.44M |
| 100.00M | | CLAY | |

## ASSEMBLY DETAILS

| | | | | |
|---|---|---|---|---|
| 300 m. m. Dia | Housing pipe | 6.20 m | to | 38.50 m" |
| 200 m. m. Dia | Reducer | 38.50 m | to | 38.65 m" |
| 200 m. m. Dia | Blind pipe | 38.65 m | to | 44.70 m" |
| 200 m. m. Dia | Slotted pipe | 44.70 m | to | 61.10 m" |
| 200 m. m. Dia | Blind pipe | 61.10 m | to | 73.22 m" |
| 200 m. m. Dia | Slotted pipe | 73.22 m | to | 81.33 m" |
| 200 m. m. Dia | Blind pipe | 81.33 m | to | 87.44 m" |
| ..... m. m. Dia | pipe | ..... m | to | ..... m" |
| ..... m. m. Dia | pipe | ..... m | to | ..... m" |
| ..... m. m. Dia | pipe | ..... m | to | ..... m" |
| ..... m. m. Dia | pipe | ..... m | to | ..... m" |
| ..... m. m. Dia | pipe | ..... m | to | ..... m" |

Total Assembly 87.94 m"

## ABSTRACT

1. Drilling Started on 08-02-2014
2. Drilling Completed on 12-03-2014
3. Assembly Lowered on 13-03-2014
4. Drilling Depth 100.00 m.
5. Assembly Lowered 87.94 m.

Housing Pipe 3.00 m. m. dia 39.00 m

Blind Pipe 200 m. m. dia 24.28 m

Slotted Pipe 200 m. m. dia 24.51 m

As Executed

Countersigned

# TEST REPORT BY COMPRESSOR

Date of Test 23.03.2014 Static W/L 8.50M Taste of Water SWEET

| Discharge by V. Notch | | Sand Contents | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|
| In Inch. | In LPM | Start | 5 Min. | 10 Min. | 15 Min. | 30 Min. | 40 Min. | |
| 8 | 1618 | 9000 | 7000 | 5000 | 4000 | 2500 | 1400 | yellow fine sand observed Gradually, available pea |
| 8½ | 1815 | 11000 | 9000 | 5500 | 4500 | 2900 | 1800 | gravel not going. |
| | | | | | | | | |

Vaibhav J. E. | A. E. | C/S E. E.

# YIELD TEST REPORT

L. No 904/V-8 161 Dt. 12-5-14

S.WL. 8.50 Taste of Water SWEET Date of Test 31.3.2014

| 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. |
| 10.5" | 1521 | 12.50 | 4.00 | 40 | Tr | Cl | Cl | Cl | Cl |
| 13" | 1628 | 12.95 | 4.45 | 60 | Tr | Tr | Cl | Cl | Cl |
| 20" | 2062 | 1330 | 4.80 | 150 | 100 | 50 | 20 | Tr | Cl |
| 25" | 2301 | 13.80 | 5.30 | 200 | 150 | 80 | 50 | 20 | Tr |
| 34" | 2706 | 14.00 | 5.50 | 500 | 250 | 150 | 100 | 50 | 20 |
| | | | | | | | | | |

Recommended ..... discharge at ..... mts. depression. Vaibhav J. E. | A.E. | C/S E.E.

# WATER SAMPLE TEST RESULTS

AGENCY

C120 MLD WATER TREATMENT

LAB, PRATAP VIHAR, GHAZIABAD 863 REF :- L.No. 863 वि-61/10 DATED 05-05-2014

1. TURBIDITY..... 0.8
2. PH..... 7.9
3. TOTAL DISSOLVED SOLIDS mgl. ..... 455
4. TOTAL HARDNESS (as ca co3) mgl. ..... 196
5. CHLORIDES (as CL) mgl. ..... 72
6. SULPHATES (as So4) mgl. ..... 81
7. FLUORIDES (as F) mgl..... 0.7
8. NITRATES (as No3) mgl..... 6
9. CALCIUM ..... 51.3
10. MAGNESIUM (as mg) mgl. ..... 16.4
11. IRON (as Fe) mgl. ..... 0.2
12. RESIDUAL CHLORINE mgl. Nil NIL