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

Completion Plan of T W No. 1 at CHHIGARSI DISTRICT GHAZIABAD

Type of Rig m/c R.C. 600/27' Size of Bore 675X550mms W.L. ..... Mts.

Agency DEPARTMENTAL

| Depth B.G.L. Meter | Boring Chart | Stratum | Lowered Assembly |
|---|---|---|---|
| G.L. | | | 0.54AGL |
| 1.50M. | | Surface Clay | G.L. |
| | | Clay | |
| 13.00M. | | | |
| | | M. Sand | |
| 35.00M. | | | |
| | | Clay, Kanker | 35.50M. / 35.65M. / 41.75M. |
| 40.45M. | | | |
| | | M. Sand | |
| | | | 60.12M. / CL 99M. |
| | | | 77.16m. |
| 78.10M. | | Clay, Kanker | |
| 86.20M. | | | 87.21M. |
| 91.00M. | | Fine Sand | 90.01M. |
| | | | 96.11M. |
| 105.00M. | | | |

## ASSEMBLY DETAILS

300 m. m. Dia Housing pipe 0.54MAGLm to 35.50 m"
300X150 m. m. Dia Reducer 35.50 m to 35.65 m"
150 m. m. Dia Blind Pipe 35.65 m to 41.75 m"
150 m. m. Dia Slotted Pipe 41.75 m to 60.12 m"
150 m. m. Dia Blind Pipe 60.12 m to 61.99 m"
150 m. m. Dia Slotted Pipe 61.99 m to 77.16 m"
150 m. m. Dia Blind Pipe 77.16 m to 87.21 m"
150 m. m. Dia Slotted Pipe 87.21 m to 90.01 m"
150 m. m. Dia Blind Pipe 90.01 m to 96.11 m"
..... m. m. Dia ..... Pipe ..... m to ..... m"
..... m. m. Dia ..... Pipe ..... m to ..... m"
..... m. m. Dia ..... Pipe ..... m to ..... m"

Total Assembly 96.65 m"

## ABSTRACT

1. Drilling Started on 01-03-2011
2. Drilling Completed on 08-03-2011
3. Assembly Lowered on 09-03-2011
4. Drilling Depth 150.00 m.
5. Assembly Lowered 96.65 m.

Housing Pipe 300 m.m. dia 36.04 m
Blind Pipe 150 m. m. dia 24.12 m
Slotted Pipe 150 m. m. dia 36.34 m

As Executed

(R.C. JAIN) (R.K. SHARMA)

Countersigned

Representative J. E. A. E. Executive Engineer

## YIELD TEST REPORT

S.W.L. 6.50M. Taste of Water S.W.E.E.T. V - Notch/Office 150X100mm Date of test 29-3-11

| V Notch /Orifice Reading | Discharge in L. P. M. | R. W. L. in Mts. | Depression in Mts. | SAND CONTENT IN PPM | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Starting | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min |
| 11" | 813 | 10.10 | 3.60 | 40 | Cl. | Cl. | Cl. | Cl. | Cl. |
| 13½" | 904 | 10.55 | 4.05 | 50 | Cl. | Cl. | Cl. | Cl. | Cl. |
| 19" | 1078 | 10.85 | 4.35 | 100 | 60 | Tr. | Cl. | Cl. | Cl. |
| 25" | 1199 | 11.15 | 4.65 | 160 | 100 | 60 | Tr. | Cl. | Cl. |
| 32½" | 1362 | 11.75 | 5.25 | 310 | 160 | 100 | 50 | Tr. | Cl. |
| | | | | | | | | | |

Recommended 900 LPM discharge at 4.05 mts depression J.E. A.E.

## VERTICALITY TEST REPORT

DIA OF Disc ..... TOTAL HOUSING ..... DATE OF TEST .....

Height of Suspension ...

| DEPTH of Disc MBGL | Observed Deviation MM | | | |
|---|---|---|---|---|
| | E | W | N | S |
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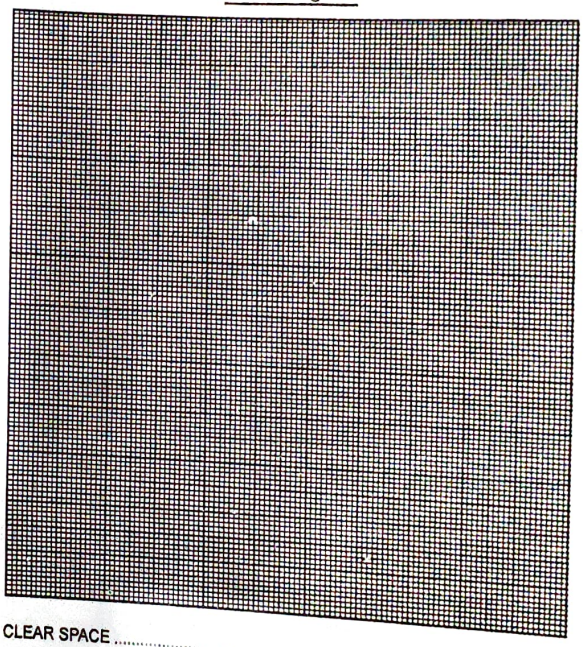
Circla diagram



CLEAR SPACE ..... At .....

..... At .....

..... At .....

AGENCY

C120 MLD WATER TREATMENT

LAB, PRATAP VIHAR, GHAZIABAD.

## WATER TEST RESULTS

REF :- H. M. ..... DATED .....

1. TURBIDITY ..... N.T.U 0.5
2. PH ..... 7.5
3. TOTAL DISSOLVED SOLIDS mgl. ..... 344
4. TOTAL HARDNESS (as ca co3) mgl. ..... 156
5. CHLORIDES (as CL) mgl. ..... 32
6. SULPHATES (as So4) mgl. ..... 19
7. FLUORIDES (as F) mgl. ..... 0.3
8. NITRATES (as No3) mgl. ..... 1.8
9. CALCIUM (as Ca) mgl. ..... 40
10. MAGNESIUM (as mg) mgl. ..... 13.6
11. IRON (as Fe) mgl. ..... 0.06

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