



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

80 (450)

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

Type of Rig m/c R.C. 600/27' Size of Bore 67.5 X 55.0 mm S.W.L. 7.50 Mts.

Agency RENTAL

| Depth B.G.L. Meter | Boring Chart | Stratum | Lowered Assembly | ASSEMBLY DETAILS |
|--------------------|--------------|---------------------|------------------|--|
| G.L. | | | AGL. 0.23 M. | 200 m. m. Dia Housing pipe 0.23 A.G.L. m to 34.00 m" |
| 1.50 M. | | Surface Clay | | 200 X 150 m. m. Dia Reducer 34.00 m to 34.15 m" |
| | | | | 150 m. m. Dia Blind Pipe 34.15 m to 40.25 m" |
| 15.00 M. | | Fine to M. Sand | | 150 m. m. Dia Slotted Pipe 40.25 m to 52.35 m" |
| 17.00 M. | | Hard Clay | | 150 m. m. Dia Blind Pipe 52.35 m to 58.45 m" |
| | | M. Sand | | 150 m. m. Dia Slotted Pipe 58.45 m to 70.60 m" |
| 30.00 M. | | | | 150 m. m. Dia Blind Pipe 70.60 m to 76.65 m" |
| 38.00 M. | | Hard Clay | | 150 m. m. Dia Slotted Pipe 76.65 m to 82.75 m" |
| | | M. Sand | | 150 m. m. Dia Blind Pipe 82.75 m to 88.85 m" |
| 53.75 M. | | Clay | | m. m. Dia Pipe m to m" |
| 57.50 M. | | | | m. m. Dia Pipe m to m" |
| | | M. Sand | | m. m. Dia Pipe m to m" |
| 71.70 M. | | Clay | | Total Assembly 89.08 m" |
| 75.50 M. | | | | |
| 84.00 M. | | M. Sand, Sand stone | | |
| 95.00 M. | | Clay | | |

ABSTRACT

- Drilling Started on 05-01-09
 - Drilling Completed on 12-01-09
 - Assembly Lowered on 12-01-09
 - Drilling Depth 95.00 m
 - Assembly Lowered 89.08 m
- Housing Pipe 200 m. m. dia 34.23 m
- Blind Pipe 150 m. m. dia 24.35 m
- Slotted Pipe 150 m. m. dia 30.35 m

As Executed (R.C. JAIN) Representative J. E.

(R.K. SHARMA) A. E.

Countersigned (Signature) Executive Engineer

450

YIELD TEST REPORT

S. W.L. 7.50 M. Taste of Water SWEET V-Notch/Office 4"X3"0 Date of test 17-2-09

| 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 |
| 7" | 435 | 9.65 | 2.15 | Tr | Cl | Cl | Cl | Cl | Cl |
| 10" | 503 | 9.95 | 2.45 | 25 | Cl | Cl | Cl | Cl | Cl |
| 18" | 674 | 10.70 | 3.20 | 100 | 50 | Tr | Cl | Cl | Cl |
| 30" | 871 | 11.65 | 4.15 | 250 | 100 | 50 | Tr | Cl | Cl |
| 40" | 1007 | 12.35 | 4.85 | 475 | 350 | 250 | 125 | 100 | 50 |

Recommended 500 LPM. discharge at 2.45 mts depression 30 AE

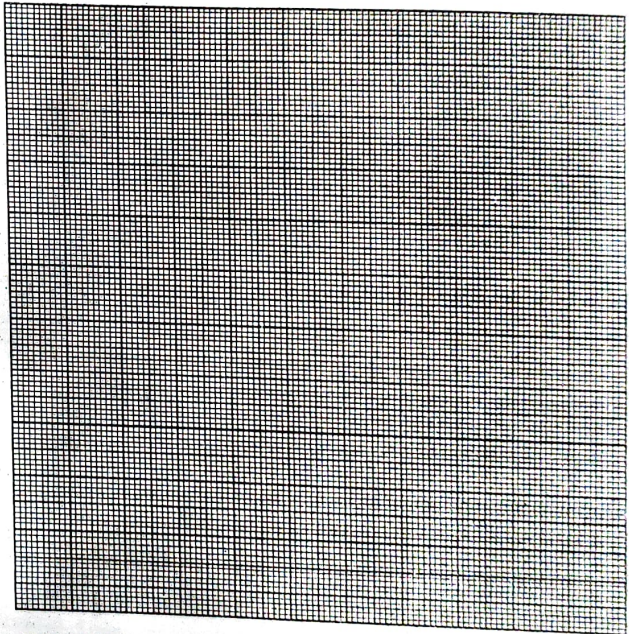
VERTICALITY TEST REPORT

DIA OF Disc TOTAL HOUSING DATE OF TEST

Height of Suspension ...

Circla diagram

| DEPTH of Disc MBGL | Observed Deviation MM | | | |
|--------------------|-----------------------|---|---|---|
| | E | W | N | S |
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CLEAR SPACE At At At

(120MLD WATER TREATMENT WATER TEST RESULTS)

AGENCY PANI LAB, PRATAP VIHAR, CHAZIA BAD. REF : N.M. 597 Dated 28-2-09

| | |
|---|---|
| 1. TURBIDITY <u>0.4 N.T.U</u> | 8. NITRATES (as NO ₃) <u>mg/l 2</u> |
| 2. PH <u>7.65</u> | 9. CALCIUM (as Ca) <u>mg/l 61</u> |
| 3. TOTAL DISSOLVED SOLIDS <u>mg/l 360</u> | 10. MAGNESIUM (as Mg) <u>mg/l 18.3</u> |
| 4. TOTAL HARDNESS (as CaCO ₃) <u>mg/l 228</u> | 11. IRON (as Fe) <u>mg/l 0.03</u> |
| 5. CHLORIDES (as Cl) <u>mg/l 14</u> | |
| 6. SULPHATES (as SO ₄) <u>mg/l 34</u> | |
| 7. FLUORIDES (as F) <u>mg/l 0.6</u> | |

Draught's Signature [Signature] A. E. [Signature] Executive Engineer [Signature]