



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

105 504

Completion Plan of T W No. 2 SIKHARA at SIKHARA DISTRICT GHAZIABAD

Type of Rig m/c R.C. 600/27 Size of Bore 675X600mm S.W.L. 5:10 Mts.

Agency .....

| Depth B.G.L. Meter | Boring Chart | Stratum              | Lowered Assembly | ASSEMBLY DETAILS                                    |
|--------------------|--------------|----------------------|------------------|---|
| G.L.               |              |                      | AGL. 0.36 M.     | 300 m. m. Dia Housing pipe 9.36 MAGL. m to 36.85 m" |
| 1.50 M.            |              | Surface clay         |                  | 300 x 200 m. m. Dia Reducer 36.85 m to 37.00 m"     |
|                    |              | Clay                 |                  | 200 m. m. Dia Blind Pipe 37.00 m to 43.20 m"        |
| 14.00 M.           |              | Fine sand to M. sand |                  | 200 m. m. Dia Slotted Pipe 43.20 m to 60.86 m"      |
| 18.00 M.           |              | Kankar clay          |                  | 200 m. m. Dia Blind Pipe 60.86 m to 72.79 m"        |
| 21.00 M.           |              | M. Sand              |                  | 200 m. m. Dia Slotted Pipe 72.79 m to 79.04 m"      |
|                    |              | M. Sand              |                  | 200 m. m. Dia Blind Pipe 79.04 m to 87.76 m"        |
|                    |              | M. Sand              |                  | 200 m. m. Dia Slotted Pipe 87.76 m to 93.72 m"      |
|                    |              | M. Sand              |                  | 200 m. m. Dia Blind Pipe 93.72 m to 99.92 m"        |
|                    |              | M. Sand              |                  | ..... m. m. Dia ..... Pipe ..... m to ..... m"      |
| 61.90 M.           |              | Clay                 |                  | ..... m. m. Dia ..... Pipe ..... m to ..... m"      |
|                    |              | Clay                 |                  | ..... m. m. Dia ..... Pipe ..... m to ..... m"      |
| 71.60 M.           |              | Fine sand            | 72.79 M.         | Total Assembly ..... 100.28 ..... m"                |
| 80.00 M.           |              | Fine sand            | 79.04 M.         |   |
| 86.50 M.           |              | Clay                 | 87.76 M.         |   |
|                    |              | Fine sand            | 93.72 M.         |   |
| 94.50 M.           |              | Fine sand            | 99.20 M.         |   |
|                    |              | Clay                 |                  |   |
| 110.00 M.          |              | Clay                 |                  |   |

**ABSTRACT**

1. Drilling Started on 01-9-09
  2. Drilling Completed on 14-9-09
  3. Assembly Lowered on 14-9-09
  4. Drilling Depth ..... 110.00 ..... m
  5. Assembly Lowered ..... 100.28 ..... m
- Housing Pipe ..... 300 ..... m. m. dia 37.21 ..... m
- Blind Pipe ..... 200 ..... m. m. dia 33.05 ..... m
- Slotted Pipe ..... 200 ..... m. m. dia 29.87 ..... m

As Executed

*(R.C. Jain)*  
(R.C. JAIN)

Representative

J. E.

Countersigned

*(R.K. Sharma)*  
(R.K. SHARMA)

A. E.

Executive Engineer

504

### YIELD TEST REPORT

S. W. L. 5:10 AM Taste of Water SWEET V - Notch/Office 6" X 5" mm Date of test 26-10-09

| 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 |
| 10"                      | 1477                  | 8.90             | 3.80               | 50                  | U     | U      | U      | U      | U      |
| 12"                      | 1610                  | 9.30             | 4.20               | 75                  | Tr.   | U      | U      | U      | U      |
| 16"                      | 1856                  | 9.85             | 4.75               | 175                 | 100   | 50     | Tr.    | U      | U      |
| 25"                      | 2310                  | 10.60            | 5.50               | 400                 | 250   | 175    | 100    | 50     | Tr.    |
| 30"                      | 2538                  | 11.05            | 5.95               | 500                 | 350   | 225    | 150    | 100    | 50     |

Recommended 1600 LPM discharge at 4.20 mts depression P. A. E.

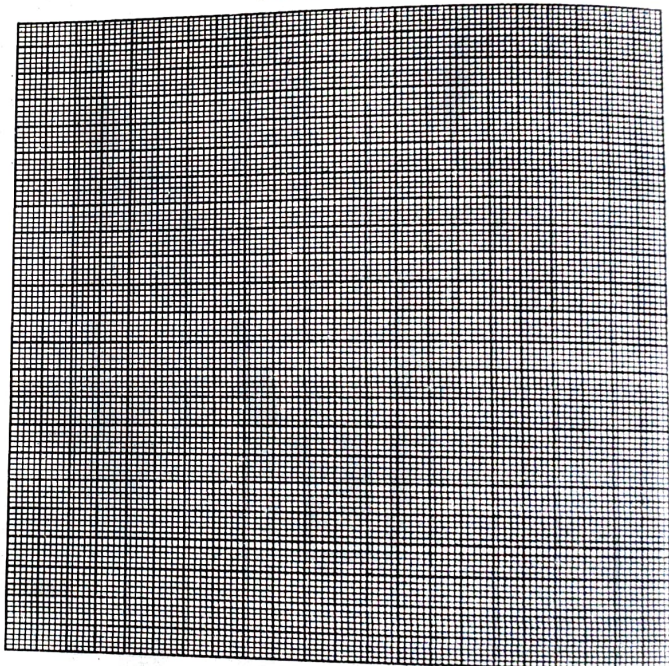
### VERTICALITY TEST REPORT

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

Height of Suspension ...

Circle diagram

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



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

(120MLD WATER TREATMENT PLANT LAB, PRATAP VIHAR

AGENCY HAZIABAD

### WATER TEST RESULTS

REF :- H.M. 684 Dated 31-10-2009

|   |   |
|---|---|
| 1. Turbidity..... NTU..... <u>2</u>               | 10. Magnesium (as Mg) Mg/l..... <u>29</u> |
| 2. PH..... <u>7.5</u>                             | 11. Iron (as Fe) Mg/l..... <u>0.15</u>    |
| 3. Total dissolved Solids Mg/l..... <u>488</u>    |   |
| 4. Total hardness (as CaCO3) Mg/l..... <u>232</u> |   |
| 5. Chlorides (as Cl) Mg/l..... <u>32</u>          |   |
| 6. Sulphates (as SO4) Mg/l..... <u>54</u>         |   |
| 7. Fluorides (as F) Mg/l..... <u>0.4</u>          |   |
| 8. Nitrates (as NO3) Mg/l..... <u>3</u>           |   |
| 9. Calcium (as Ca) Mg/l..... <u>15</u>            |   |

*[Signature]*  
Draught's Signature

*[Signature]*  
J. E.

*[Signature]*  
A. E.

*[Signature]*  
Executive Engineer