



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

599

Completion Plan of T W No. 2 at PARVANA DISTRICT BULANDSHAHAR

Type of Rig m/c 600/27 Size of Bore 675 X 600 mm S.W.L. 8.50 Mts.

Agency M/S A.S. ENTERPRISE GAZIYABAD

| Depth B.G.L. Meter | Boring Chart | Stratum     | Lowered Assembly | ASSEMBLY DETAILS                                |
|--------------------|--------------|-------------|------------------|-------------------------------------------------|
|                    |              |             | 0.50 AGL         | 300 m. m. Dia Housing pipe 0.50 m to 38.60 m"   |
| 3.0 M              |              | SURFACE LG  |                  | 300 X 200 m. m. Dia Reducer 38.60 m to 38.75 m" |
|                    |              | FINE SAND   |                  | 200 m. m. Dia Blind pipe 38.75 m to 44.80 m"    |
| 13.0 M             |              | MEDIUM SAND |                  | 200 m. m. Dia Slotted pipe 44.80 m to 56.66 m"  |
|                    |              | SAND        |                  | 200 m. m. Dia Blind pipe 56.66 m to 59.66 m"    |
|                    |              |             |                  | 200 m. m. Dia Slotted pipe 59.66 m to 77.75 m"  |
| 57.0               |              | CLAY        |                  | 200 m. m. Dia Blind pipe 77.75 m to 83.98 m"    |
| 40.0               |              |             |                  | 300 m. m. Dia pipe m to m"                      |
|                    |              |             |                  | 40.80 m m. m. Dia pipe m to m"                  |
|                    |              |             |                  | 56.66 m m. m. Dia pipe m to m"                  |
|                    |              |             |                  | 59.66 m m. m. Dia pipe m to m"                  |
|                    |              |             |                  | m. m. Dia pipe m to m"                          |
| 78.0 M             |              | CLAY        |                  | Total Assembly 84.48 m"                         |
| 83.0               |              | SANDY CLAY  |                  |                                                 |
| 88.0 M             |              | CLAY        |                  |                                                 |
| 100.0 M            |              |             |                  |                                                 |

## ABSTRACT

1. Drilling Started on 10.1.14
  2. Drilling Completed on 13.1.14
  3. Assembly Lowered on 13.1.14
  4. Drilling Depth 100 m.
  5. Assembly Lowered 84.48 m.
- Housing Pipe 300 m. m. dia 39.10 m
- Blind Pipe 200 m. m. dia 15.28 m
- Slotted Pipe 200 m. m. dia 29.95 m

As Executed

Countersigned



AnyScanner

# TEST REPORT BY COMPRESSOR

Date of Test 03-03-2014 Static W/L 0.5019 Taste of Water SWEET

| Discharge by V. Notch |        | Sand Contents |        |         |         |         |         | Remarks                                             |
|-----------------------|--------|---------------|--------|---------|---------|---------|---------|-----------------------------------------------------|
| In Inch.              | In LPM | Start         | 5 Min. | 10 Min. | 15 Min. | 30 Min. | 45 Min. |                                                     |
| 8 1/2"                | 1618   | 10000         | 7000   | 5000    | 4000    | 2500    | 1500    | Following are the sand contents of the water sample |
| 8 1/2"                | 1815   | 12000         | 9000   | 5500    | 4500    | 2000    | 1300    |                                                     |

J. E. A. E. E. E.

## YIELD TEST REPORT

353 L. No. 1V-8 149 Dt. 17-2-2014 S.W.L. 0.50 Taste of Water SWEET Date of Test 14-02-2014

| 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                  | 12.90            | 4.40               | 50            | Tr     | Tr      | Cl      | Cl      | Cl      |
| 20"                       | 2062                  | 13.30            | 4.80               | 150           | 75     | 50      | 20      | Tr      | Cl      |
| 25"                       | 2301                  | 12.80            | 5.30               | 200           | 125    | 80      | 50      | 20      | Tr      |
| 34"                       | 2706                  | 14.00            | 5.50               | 500           | 250    | 150     | 100     | 50      | 20      |

Recommended 1600 LPM discharge at 4.40 mts. depression. J. E. A. E. E. E.

## WATER SAMPLE TEST RESULTS

AGENCY

C120 MID WATER TREATMENT

LAB, PRATAP VIHAR, GHAZIABAD.

REF: LNo 444 IV-B

162 DATED 28-2-2014

|                                        |      |                                    |      |
|----------------------------------------|------|------------------------------------|------|
| 1. TURBIDITY.....                      | 0.5  | 10. MAGNESIUM (as mg) mgl.....     | 21   |
| 2. PH.....                             | 8.1  | 11. NICKEL (as Fe) mgl.....        | 0.01 |
| 3. TOTAL DISSOLVED SOLIDS mgl.....     | 226  | 12. RESIDUAL CHLORINE mgl. ml..... | 1.4  |
| 4. TOTAL HARDNESS (as Ca CO3) mgl..... | 200  |                                    |      |
| 5. CHLORIDES (as Cl) mgl.....          | 22   |                                    |      |
| 6. SULPHATES (as SO4) mgl.....         | 25   |                                    |      |
| 7. FLUORIDES (as F) mgl.....           | 0.4  |                                    |      |
| 8. NITRATES (as NO3) mgl.....          | 5    |                                    |      |
| 9. CALCIUM (as Ca) mgl.....            | 68.9 |                                    |      |