

# Completion Plan of Tube Well Munghee w/s Scheme

Distt - Sultanpur

(9)

[NOT TO SCALE]

Debt. Rig. m/c. LT/DC 1500

1. Drilling started - 9.5.08
2. Drilling completed - 18.5.08
3. Date of lowering - 18.5.08
4. Size of T.W. Assembly

Lowered - 200x100 mm φ M.S

5. Static Water Level - 900 m.
6. Housing Pipe 200 mm φ - 36.12 M
7. Plain pipe 100 mm φ - 24.59 M
8. Slotted pipe 100 mm φ - 19.54 M
9. Reduce Size - 200 mm φ x 100 mm φ
10. Total Assembly Lowered - 80.50 m.
11. Total Drilling - 116 M.
12. Size of Drilling - 375x300

G.

3.000 BGL

Very fine Sand

9.100 BGL

Kankar & clay

15.200

fine Sand Stone

27.400 BGL

fine Sand Stone

48.700 BGL

Hard clay Kankar

54.400 BGL

Very fine Sand Stone

57.900 BGL

Hard clay Kankar

66.900 BGL

fine Sand Stone

76.200 BGL

clay & Kankar

94.500 BGL Reaming

0.50 M

200 mm φ Housing Pipe

35.62 M BGL

0.25 M 200 x 100 mm φ 35.87 M

3.000 M 100 mm φ M.S Plain Pipe 38.87 M

5.96 M 100 mm φ M.S Slotted Pipe 44.83 M.

2.04 M 100 mm φ M.S Slotted Pipe 46.87 M

5.98 M 100 mm φ M.S Plain Pipe 52.85 M

1.62 M 100 mm φ M.S Plain Pipe 54.47 M

2.50 M 100 mm φ M.S Slotted Pipe 56.97 M.

5.97 M 100 mm φ M.S Plain Pipe 62.94 M.

4.02 M 100 mm φ M.S Plain Pipe 66.96 M

5.93 M 100 mm φ M.S Slotted Pipe 72.89 M

3.11 M 100 mm φ M.S Slotted Pipe 76.00 M

4.00 M M.S Bail Plug 100 mm φ 80.00 m.

(P.K. Srivastava) 116 M.  
Junior Engineer  
IIIrd const. Divi, U.P. Sal Nigam

(CHHABILE RAMI)  
Asstt. Engineer  
IIIrd const. Divi, U.P. Sal Nigam

(A.K. Barua)  
Executive Engineer  
IIIrd const. Divi, U.P. Sal Nigam  
Faisalabad

OFFICE OF THE EXECUTIVE ENGINEER CONSTRUCTION DIVISION  
I, U.P. JAL NIGAM, RAEBARELI  
Physical and Chemical analysis of water



## Water Mission:

# TEST REPORT

Name of Division

Location of Source

Reference Letter No.

Name of Village/Town

Source of sample

Code No.

Date of sampling

Tehsil/Block

Date of Test.

District

Name of Sample collector

| Sl. No.              | CHARACTERISTICS                         | RESULTS    | PHYSICAL AND CHEMICAL STANDARD |                     | REMARKS |
|----------------------|-----------------------------------------|------------|--------------------------------|---------------------|---------|
|                      |                                         |            | ACCEPTABLE                     | CAUSE FOR REJECTION |         |
| <u>PHYSICAL TEST</u> |                                         |            |                                |                     |         |
| 1.                   | Colour .....                            | Colourless | 5.0                            | 5.0                 |         |
| 2.                   | Odour.....                              | Odourless  | Unobjectionable                | Objectionable       |         |
| 3.                   | Ph. ....                                | 8.0        | 7.0 to 8.5                     | < 6.5 or > 9.2      |         |
| <u>CHEMICAL TEST</u> |                                         |            |                                |                     |         |
| 4.                   | Total dissolved solids (mg/lit)         | 600        | 500                            | 1500                |         |
| 5.                   | Total hardness " as CaCO <sub>3</sub> " | 240        | 200                            | 600                 |         |
| 6.                   | Chlorides "as Cl" .....                 | 40         | 200                            | 1000                |         |
| 7.                   | Fluorides "as F" .....                  | 1.4        | 1.0                            | 1.5                 |         |
| 8.                   | Nitrates "as NO <sub>3</sub> " .....    | Nil        | 45                             | >45                 |         |
| 9.                   | Nitrites "as NO <sub>2</sub> " .....    | Nil        | NIL                            | 0.1                 |         |
| 10.                  | Iron "as Fe" .....                      | 0.1        | 0.1                            | 1.0                 |         |
| 11.                  | Alkalinity                              | 260        | .....                          | .....               |         |
| 12.                  | Residual Chlorine (p.p.m.)              | Nil        | .....                          | .....               |         |
| 13.                  |                                         |            |                                |                     |         |

Test Conducted By

ASSISTANT ENGINEER  
Const. Div-I U.P. Jal Nigam  
Raebareli

Entered in the  
completion plan

OFFICE OF THE EXECUTIVE ENGINEER, HIL CONSTRUCTION DIVISION (E/M), U.P. JAL NIGAM, FAIZABAD

# TEST REPORT OF T.W. DEVELOPMENT BY 250 P.S.I. COMPRESSOR

1. Name of T.W. :- Manghi w/s tube well
2. Name of Scheme :- Manghi w/s Scheme
3. Distt. :- Sultanpur
4. Date of test :- 23-7-09
5. Discharge measured by :- 90° "V" Notch Tank
6. Static water level :- 9.0 mtr
7. Sounding before development :- 76.0 mtr
8. Developed hours :- 4.0 hrs

| Sl. No. | Air line Lowered in mtr. | Pressure In kg/cm <sup>2</sup> |            | Depression            |         | Discharge through 90° V-notch |           | Sand contents in P.P.M. |       |        |        |        |        | Remark |
|---------|--------------------------|--------------------------------|------------|-----------------------|---------|-------------------------------|-----------|-------------------------|-------|--------|--------|--------|--------|--------|
|         |                          | Starting                       | Running    | In kg/cm <sup>2</sup> | In mtr. | In cms.                       | in L.P.M. | Starting                | AFTER |        |        |        |        |        |
|         |                          |                                |            |                       |         |                               |           |                         | 5 Min | 10 Min | 15 Min | 20 Min | 25 Min |        |
|         | 73.0 mtr                 | 7.0 kg/cm                      | 6.65 kg/cm | 0.35 kg/cm            | 3.5 mtr | 11.0 cm                       | 345 LPM   | 500                     | 100   | Tr     | 09     | 01     | 01     | 01     |

Note- Recommended Discharge 250 L.P.M. at 3.0 mtr depression

Test Conducted by

Hand

Junior Engineer

Assistant Engineer

Counter Signed

(A.K. Sharma)  
Executive Engineer