

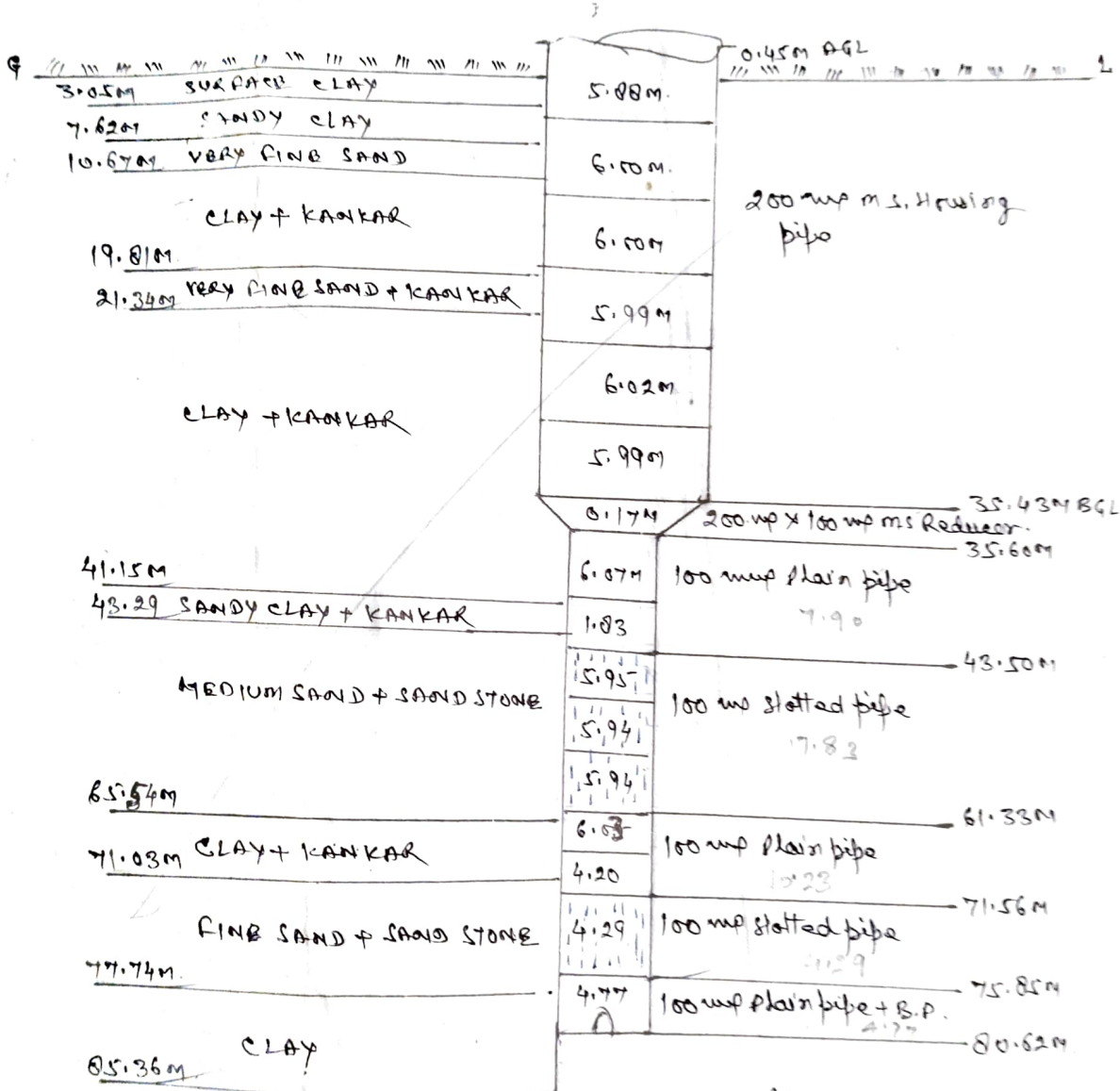
# ACTUAL STRATA CHART OF T.W. ASSEMBLY AT BHOSPUR T.W. WII SCHEME

DIST:- SULTANPUR

NOT TO THE SCALE

1. STATIC WATER LEVEL - 7.5M
2. T.W. CONST. BY DEPTH. RIG MACHINE - R.C 600/27
3. DRILLING STARTED ON - 2.8.08
4. DRILLING COMPLETED ON - 8.8.08
5. DATE OF LOWERING - 9.8.08

6. SIZE OF BORE - 450MM Ø
7. SOUNDING OF BORE AFTER LOWERING - 81.0M



AS PER LOGGING REPORT.

(i) 40.0M - 63.0M = 23M

(ii) 70.0M - 76.0M = 6M

AGL - 0.45M

BGL - 80.62M

TOTAL - 81.07M

(R. B. MAURYA.)  
S.E.

(R. MADAN LAL)  
S.E.

(R. AK SAKHNA)  
S.E.

# OFFICE OF THE EXECUTIVE ENGINEER CONSTRUCTION DIVISION I, U.P. JAL NIGAM, RAEBARELI



Physical and Chemical analysis of Water Sample  
Dutch Lab Rahi, Raebareli



## TEST REPORT

Name of Divis: Water Supply & Sewerage Location of Source: शमशेरपुर  
Reference Letter No: 1/9191/Comp-1/Pro Name of Village/Town: शमशेरपुर  
Source of sample: Tube Code No: 12/9108  
Date of sampling: 12/9/08 Tehsil/Block: —  
Date of Test: 15/9/08 District: गोरखपुर  
Name of Sample collector: Mr. Anand Kumar, etc.

| Sl. No.       | CHARACTERISTICS                         | RESULTS    | PHYSICAL AND CHEMICAL STANDARD |                     | REMARKS |
|---------------|-----------------------------------------|------------|--------------------------------|---------------------|---------|
|               |                                         |            | ACCEPTABLE                     | CAUSE FOR REJECTION |         |
| PHYSICAL TEST |                                         |            |                                |                     |         |
| 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       |         |
| CHEMICAL TEST |                                         |            |                                |                     |         |
| 4.            | Total dissolved solids (mg/lit)         | 300        | 500                            | 1500                |         |
| 5.            | Total hardness " as CaCO <sub>3</sub> " | 200        | 200                            | 600                 |         |
| 6.            | Chlorides "as Cl".....                  | 180        | 200                            | 1000                |         |
| 7.            | Fluorides "as F".....                   | 1.3        | 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                              | 240        |                                |                     |         |
| 12.           | Residual Chlorine (p.p.m.)              | Nil        |                                |                     |         |
| 13.           |                                         |            |                                |                     |         |

Test Conducted By

R. K. Mathur

Chemo

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

**OFFICE OF THE EXECUTIVE ENGINEER, III CONSTRUCTION DIVISION (E/M), U.P. JALNIGAM, FAIZABAD**

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

1. Name of T.W. :- Bhojpur w/s Tube well
2. Name of Scheme :- Bhojpur w/s Scheme
3. Distt. :- Sultanpur
4. Date of test :- 12-9-09
5. Discharge measured by :- 90° V" Notch Tank
6. Static water level :- 5.5 mbs
7. Sounding before development :- 70.0 mbs
8. Developed hours :- 39 Hrs.

| Sl. No. | Air line Lowerd in mtr. | Pressure In kg/cm <sup>2</sup> |                        | Depression             |          | Discharge through 90° V- notch |           | Starting | Sand contents in P.P.M. |        |        |        |        |        | Remark |
|---------|-------------------------|--------------------------------|------------------------|------------------------|----------|--------------------------------|-----------|----------|-------------------------|--------|--------|--------|--------|--------|--------|
|         |                         | Starting                       | Running                | In kg/cm <sup>2</sup>  | in mtr.  | In cms.                        | in L.P.M. |          | AFTER                   |        |        |        |        |        |        |
|         |                         |                                |                        |                        |          |                                |           |          | 5 Min                   | 10 Min | 15 Min | 20 Min | 25 Min | 30 Min |        |
|         | 42.0 mtr                | 3.7 kg/cm <sup>2</sup>         | 4.0 kg/cm <sup>2</sup> | 0.3 kg/cm <sup>2</sup> | 3.0 mtr. | 12.0                           | 425 LPM   | 500      | 100                     | 50     | Tr     | Tr     | cl     | cl     |        |

**Note-Recommended discharge - 250 LPM at 3.0 m. depression.**

Test Conducted by

Counter Signed

M. Lal  
Assistant Engineer  
(M. Lal)

M. Lal  
Junior Engineer  
(K. K. Srivastava)

(A. K. Saxena)  
Executive Engineer



NIGAM

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**UTTAR PRADESH JAL NIGAM**

6, Rana Pratap Marg, Lucknow

Ref. :-

Date:

**Geophysical Borehole Logging Report**

Location of the site: Bhajpur  
District : Sultanpur  
Date : 8.8.08  
Depth Logged : 80.0 mbgl  
Depth Drilled : 85.0 mbgl  
Logger used : New Logger  
Presence : Er. R. B. Maurya, J.E.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water:

| Sl. No. | Depth Range ( mbgl ) | Thickness (mts) | Remarks |
|---------|----------------------|-----------------|---------|
| 1.      | 40.0 - 63.0          | 23.0            | Good    |
| 2.      | 70.0 - 76.0          | 6.0             |         |
|         | /                    | /               | /       |

Note:

*Raul*  
(Dr.R.A.Yadav)  
Sr.Geophysicist

Copy:

1. C.E.(EM), U.P.Jal Nigam, Lucknow.

2. E.E., III vol. Const. Divn. (EM), U.P.Jal Nigam, Faizabad  
for information and necessary action.

*Raul*  
Sr.Geophysicist

Dr. Raj Section  
for Record  
11.8.08