



**YAMUNA POLLUTION CONTROL UNIT, U.P. JAL NIGAM, GHAZIABAD**

80

Completion Plan of TW No. 4 of Zone-4 (Arjun Nagar Gall No.-9) Pilkhuwa District-Ghaziabad  
 Scheme : Pilkhuwa Reorganasation Water Supply Scheme Under UIDST Programme.

| Depth MBGL | Boring Depth | Strata      | Lowered Assembly |  |
|------------|--------------|-------------|------------------|--|
|            |              |             | AGL 60cm         |  |
| 10.67      |              | CLAY        |                  |  |
|            |              | MEDIUM SAND |                  |  |
| 29.94      |              |             |                  |  |
| 30.94      |              | COARSE SAND |                  |  |
| 47.25      |              | MEDIUM SAND |                  |  |
| 53.35      |              | COARSE SAND |                  |  |
| 59.45      |              | MEDIUM SAND |                  |  |
| 60.97      |              | CLAY        |                  |  |
| 66.39      |              |             |                  |  |
| 67.00      |              |             |                  |  |

  

| ASSEMBLY DETAILS                           |               |            |
|--|---------------|------------|
| 350 mm Dia Plain Pipe                      | 0.00 mbgl to  | 29.79 mbgl |
| 350 X200 mm Dia Reducer                    | 29.79 mbgl to | 29.94 mbgl |
| 200 mm Dia Plain Pipe                      | 29.94 mbgl to | 30.94 mbgl |
| 200 mm Dia Slotted Pipe                    | 30.94 mbgl to | 43.12 mbgl |
| 200 mm Dia Plain Pipe                      | 43.12 mbgl to | 45.12 mbgl |
| 200 mm Dia Slotted Pipe                    | 45.12 mbgl to | 60.03 mbgl |
| 200 mm Dia Plain Pipe                      | 60.03 mbgl to | 66.39 mbgl |
| Total Assembly : 66.39 + .60(agl) m=66.99m |               |            |

  

| ABSTRACT                      |                             |           |
|-------------------------------|-----------------------------|-----------|
| 1. Drilling Started on :      | 05.12.10                    |           |
| 2. Drilling completed on :    | 10.12.10                    |           |
| 3. Assembly Lowered on :      | 11.12.10                    |           |
| 4. Drilling Depth :           | 103                         | m         |
| 5. Assembly Lowered :         | 66.99                       | m         |
| 6. Logging :                  |                             | m         |
| 350 mm dia Plain Pipe :       | 30.39                       | m         |
| 300mm dia Slotted pipe Pipe : | -                           | m         |
| 200 mm dia Plain Pipe :       | 9.09                        | m         |
| 200mm dia Slotted pipe Pipe : | 27.36                       | m         |
| 7. Type of Rig Machine        | .....                       | RC-600/27 |
| 8. Bore size 675 mm dia       | 45.0                        | Mtr.      |
| 9. Bore size 600 mm dia       | 58.0                        | Mtr.      |
| 10. Static Water Level        | 12.30                       | Mtr.      |
| 11. Contractor                | M/s Sobha Ram Premi, Meerut |           |
| 12. C.B. No.                  | 03/GM/10-11                 |           |

As Executed

*(Signature)*  
 (M/S Sobha Ram Premi)  
 Contractor

*(Signature)*  
 (Ajeet Singh)  
 A.P.E.

*(Signature)*  
 (Ram Gopal)  
 P.E.

Countersigned  
*(Signature)*  
 (P.K. Garg)  
 Project Manager

Name of Site : T/W No. 4 of Zone-4 Arjun Nagar Gall No. 9, Pilkhuwa

**YEILD TEST REPORT BY O.P. UNIT**

Date of Test : 25.01.11 S.W.L. 12.30 Mtr.  
 Sounding : 64.35 Mtr. Ref : 80/Pilkhuwa/05 dt. 28.01.11

Size of water meter :  
 Taste of water : Sweet

| V-Noch Reading in MM | Total Qty. of water (Litre) | Total Time |     | SWL   | Discharge (LPM) | RWL (Meter) | Depression (Meter) | Sand content in PPM |       |        |        |        |        |        | Remarks |
|----------------------|-----------------------------|------------|-----|-------|-----------------|-------------|--------------------|---------------------|-------|--------|--------|--------|--------|--------|---------|
|                      |                             | Min        | Sec |       |                 |             |                    | Start               | 5 Min | 10 Min | 15 Min | 20 Min | 25 Min | 30 Min |         |
| 256                  |                             |            |     | 12.30 | 2734            | 17.50       | 5.20               | 250                 | 200   | 150    | 50     | 50     | Tr.    | Tr.    |         |
| 240                  |                             |            |     | 12.30 | 2329            | 17.00       | 4.70               | 200                 | 150   | 100    | 50     | Tr.    | Cl.    | Cl.    |         |
| 232                  |                             |            |     | 12.30 | 2142            | 16.40       | 4.10               | 100                 | 50    | Tr.    | Cl.    | Cl.    | Cl.    | Cl.    |         |
| 219                  |                             |            |     | 12.30 | 1856            | 15.50       | 3.20               | 50                  | Tr.   | Cl.    | Cl.    | Cl.    | Cl.    | Cl.    |         |

**TEST REPORT OF TUBEWELL BY AIR COMPRESSOR**

Date of Test : 20.12.2010  
 Sounding : 61.20 Mtr.

S.W.L. 12.30 Mtr.  
 Discharge measured by : V-notch

| Sl. | Depth of air line BGL in Meter | Discharge          |      | Sand content in PPM |       |        |        |        | REMARKS |
|-----|--------------------------------|--------------------|------|---------------------|-------|--------|--------|--------|---------|
|     |                                | Reading of V-notch | LPM  | Start               | 5 Min | 10 Min | 20 Min | 30 Min |         |
| 1   | 43                             | 234                | 2295 | 500                 | 500   | 400    | 300    | 150    |         |
|     | 64                             | 248                | 2584 | 600                 | 500   | 400    | 300    | 200    |         |

**WATER ANALYSIS REPORT**

Agency : Water Testing Lab of P.M. Ganga Jal Project Unit, UP Jal Nigam, GZB.

Ref :- 69/PilkhuwaWS/04 dt. 24.01.2011  
 Ref:- 187/Testing/10 dt. 01.02.2011

| Parameter                 | Test Result | Acceptable Limit | Cause of Rejection | Parameter         | Test Result | Acceptable Limit | Cause of Rejection |
|---------------------------|-------------|------------------|--------------------|-------------------|-------------|------------------|--------------------|
| Taste                     |             | Un Objectionable | Un Objectionable   | Fluorides (as F)  | 0.30 Mg/l   | 1.00             | 1.5                |
| Colour                    | T.P.        | 5                | 25                 | Nitrates (as NO3) | 4.00 Mg/l   | 45.00            | 45.00              |
| Odour                     | PCS         | Un Objectionable | Un Objectionable   | Calcium (as Ca)   | 48.00 Mg/l  | 75.00            | 200.00             |
| Turbidity                 | 0.3 NTU     | 1.00             | 10.00              | Mangesium (as mg) | 20.40 Mg/l  | <_30             | 150.00             |
| PH                        | 7.4         | 7.00 - 8.50      | 6.50 to 9.20       | Iron (as Fe)      | 0.10 Mg/l   | 0.10             | 1.00               |
| TDS                       | 580 Mg/l    | 500.00           | 2000.00            | Residual Chlorine | Mg/l        | 0.20             | 0.40               |
| Total Hardness (as CaCo3) | 204 Mg/l    | 200.00           | 600.00             | Nitrite (No4)     | Mg/l        | <30              | 45.00              |
| Chlorides (as Cl)         | 40 Mg/l     | 200.00           | 1000.00            | Remark            |             |                  |                    |
| Sulphates (as SO4)        | 42 Mg/l     | 200.00           | 400.00             |                   |             |                  |                    |

*Ajeet Singh*  
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 A.P.E.

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 Project Manager(Y)