

# ***Core Sample Record***

**GeJK-1 (Keshabpur)**

**Core Sample Record (JICA Study Team)**  
 THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
 FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Sheet No. 1

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 0.0  | 0.1 | 0.2 | 0.3 | 0.4 | 0.5   | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 |
|-------------------------------|--|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|
| Lithological Structure Sketch |  |     |     |     |     | <div style="font-size: 4em; transform: rotate(45deg); opacity: 0.5;">X</div> <p>core lost</p> |     |     |     |     |     |
| Lithological Symbol           |  |     |     |     |     |   |     |     |     |     |     |
| Color                         | 2.5Y 5/2<br>dark grayish yellow            |     |     |     |     |   |     |     |     |     |     |
| Soil Description              | Silt (Surface Soil) 50<br>with brick block |     |     |     |     |   |     |     |     |     |     |
| Labo. Sampling                |  |     |     |     |     |   |     |     |     |     |     |
| Sampling No.                  |  |     |     |     |     |   |     |     |     |     |     |
|                               |  |     |     |     |     |   |     |     |     |     |     |
|                               |  |     |     |     |     |   |     |     |     |     |     |

# Core Sample Record (JICA Study Team)

Sheet No. 2

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Thana Keshabpur  
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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suanaga

| Depth (m)                     | 1.0   | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|-------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lithological Structure Sketch |   |     |     |     |     |     |     |     |     |     |     |
| Lithological Symbol           |   |     |     |     |     |     |     |     |     |     |     |
| Color                         | <i>2.5Y 5/2<br/>dark grayish yellow</i>         |     |     |     |     |     |     |     |     |     |     |
| Soil Description              | <i>Silt (Surface Soil)<br/>with brick block</i> |     |     |     |     |     |     |     |     |     |     |
| Labo. Sampling                |   |     |     |     |     |     |     |     |     |     |     |
| Sampling No.                  |   |     |     |     |     |     |     |     |     |     |     |

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Thana Keshabpur  
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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Svenaga

| Depth (m)                     | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6                      | 2.7 | 2.8 | 2.9  | 3.0 |  |                             |  |  |  |  |  |
|-------------------------------|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|------|-----|--|-----------------------------|--|--|--|--|--|
| Lithological Structure Sketch | X   |     |     |     |     |     |                          |     |     |      |     |  |                             |  |  |  |  |  |
| Lithological Symbol           |     |     |     |     |     |     |                          |     |     |      |     |  |                             |  |  |  |  |  |
| Color                         |     |     |     |     |     |     |                          |     |     |      |     |  | 2.5Y 5/3<br>yellowish brown |  |  |  |  |  |
| Soil Description              |     |     |     |     |     |     | core lost                |     |     |      |     |  | 50<br>silt                  |  |  |  |  |  |
| Labo. Sampling                |     |     |     |     |     |     |                          |     |     | 2.65 |     |  | 3.00                        |  |  |  |  |  |
| Sampling No.                  |     |     |     |     |     |     | GeJK-1-1<br>(7.36 mg/kg) |     |     |      |     |  |                             |  |  |  |  |  |

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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6                      | 3.7 | 3.8  | 3.9 | 4.0 |  |
|-------------------------------|-----|-----|-----|-----|-----|-----|--------------------------|-----|------|-----|-----|--|
| Lithological Structure Sketch | X   |     |     |     |     |     |                          |     |      |     |     |  |
| Lithological Symbol           |     |     |     |     |     |     |                          |     |      |     |     |  |
| Color                         |     |     |     |     |     |     |                          |     |      |     |     |  |
| Soil Description              |     |     |     |     |     |     |                          |     |      |     |     |  |
| Labo. Sampling                |     |     |     |     |     |     |                          |     |      |     |     |  |
| Sampling No.                  |     |     |     |     |     |     | 3.64                     |     | 3.90 |     |     |  |
|                               |     |     |     |     |     |     | GeJK-1-2<br>(5.91 mg/kg) |     |      |     |     |  |

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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 4.0   | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 |
|-------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lithological Structure Sketch | <div style="font-size: 4em; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;">                     X                 </div> <p style="font-size: 1.5em; margin: 0;">core lost</p> |     |     |     |     |     |     |     |     |     |     |
| Lithological Symbol           |   |     |     |     |     |     |     |     |     |     |     |
| Color                         |   |     |     |     |     |     |     |     |     |     |     |
| Soil Description              |   |     |     |     |     |     |     |     |     |     |     |
| Labo. Sampling                |   |     |     |     |     |     |     |     |     |     |     |
| Sampling No.                  |   |     |     |     |     |     |     |     |     |     |     |
|                               |   |     |     |     |     |     |     |     |     |     |     |

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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 5.0   | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 |
|-------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em;">X</span> </div> |     |     |     |     |     |     |     |     |     |     |
| Lithological Symbol           |   |     |     |     |     |     |     |     |     |     |     |
| Color                         |   |     |     |     |     |     |     |     |     |     |     |
| Soil Description              |   |     |     |     |     |     |     |     |     |     |     |
| Labo. Sampling                |   |     |     |     |     |     |     |     |     |     |     |
| Sampling No.                  |   |     |     |     |     |     |     |     |     |     |     |

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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 6.0                    | 6.1 | 6.2  | 6.3               | 6.4 | 6.5                                      | 6.6               | 6.7 | 6.8                    | 6.9 | 7.0                 |
|-------------------------------|------------------------|-----|------|-------------------|-----|--|-------------------|-----|------------------------|-----|---------------------|
| Lithological Structure Sketch |                        |     |      |                   |     |  |                   |     |                        |     |                     |
| Lithological Symbol           |                        |     |      |                   |     |  |                   |     |                        |     |                     |
| Color                         | 2.5GY5/1<br>olive gray |     |      | 10YR 2/1<br>black |     | 2.5GY4/1<br>dark olive gray              | 10YR 3/1<br>black |     | 2.5GY5/1<br>olive gray |     | 10YR 1.7/1<br>black |
| Soil Description              | clay 37                |     |      | peat 50           |     | peaty clay 56<br>6.55<br>wooden fragment | peat 64           |     | clay 74                |     | peat                |
| Labo. Sampling                | 6.00                   |     | 6.30 |                   |     |  |                   |     |                        |     |                     |
| Sampling No.                  | GeJK-1-3 (8.29 mg/kg)  |     |      |                   |     |  |                   |     |                        |     |                     |



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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 7.0                          | 7.1 | 7.2  | 7.3 | 7.4 | 7.5                               | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 |      |      |  |  |
|-------------------------------|------------------------------|-----|------|-----|-----|-----------------------------------|-----|-----|-----|-----|-----|------|------|--|--|
| Lithological Structure Sketch |                              |     |      |     |     |                                   |     | X   |     |     |     |      |      |  |  |
| Lithological Symbol           | ~ ~ ~ ~ ~                    |     |      |     |     |                                   |     |     |     |     |     |      |      |  |  |
| Color                         | 10YR 1.7/1<br>black          |     |      |     |     | 10Y 5/1 gray<br>10YR 3/1<br>black |     |     |     |     |     |      |      |  |  |
| Soil Description              | peat<br>with wooden fragment |     |      |     |     | 48                                | 55  |     |     |     |     | core | lost |  |  |
| Labo. Sampling                | 7.00                         |     | 7.30 |     |     |                                   |     |     |     |     |     |      |      |  |  |
| Sampling No.                  | GeJK-1-4                     |     |      |     |     |                                   |     |     |     |     |     |      |      |  |  |

(29.38 mg/kg)

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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 8.0                          | 8.1 | 8.2                          | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8                    | 8.9 | 9.0  |  |
|-------------------------------|------------------------------|-----|------------------------------|-----|-----|-----|-----|-----|------------------------|-----|------|--|
| Lithological Structure Sketch | [Sketch: Dotted lines]       |     | [Sketch: Vertical lines]     |     |     |     |     |     |                        |     |      |  |
| Lithological Symbol           | [Symbol: Dotted lines]       |     | [Symbol: Vertical lines]     |     |     |     |     |     |                        |     |      |  |
| Color                         | 10YR 1.7/1<br>black          |     | 2.5GY 5/1<br>olive gray      |     |     |     |     |     |                        |     |      |  |
| Soil Description              | peat<br>with wooden fragment |     | clay<br>with wooden fragment |     |     |     |     |     |                        |     |      |  |
| Labo. Sampling                | 8.00      8.21               |     |                              |     |     |     |     |     | 8.60                   |     | 9.00 |  |
| Sampling No.                  | GeJK-1-5<br>(52.12 mg/kg)    |     |                              |     |     |     |     |     | GeJK-1-6 (10.01 mg/kg) |     |      |  |

# Core Sample Record (JICA Study Team)

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Thana Keshabpur  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
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 Core recorder Suenaga

| Depth (m)                     | 0.0                     | 0.1 | 0.2                        | 0.3 | 0.4                        | 0.5                    | 0.6 | 0.7 | 0.8                     | 0.9 | 1.0 |
|-------------------------------|-------------------------|-----|----------------------------|-----|----------------------------|------------------------|-----|-----|-------------------------|-----|-----|
| Lithological Structure Sketch |                         |     |                            |     |                            |                        |     |     |                         |     |     |
| Lithological Symbol           |                         |     |                            |     |                            |                        |     |     |                         |     |     |
| Color                         | 2.5GY 4/1<br>olive gray |     | 2.5Y 3/1<br>brownish black |     |                            | <del>Core lost</del>   |     |     | 2.5GY 5/1<br>olive gray |     |     |
| Soil Description              | peaty clay              |     |                            |     | 40<br><del>core lost</del> |                        | 50  |     | Clay                    |     |     |
| Labo. Sampling                | 9.00                    |     | 9.40                       |     |                            | 9.50                   |     |     | 9.90                    |     |     |
| Sampling No.                  | GeJK-1-7 (13.62 mg/kg)  |     |                            |     |                            | GeJK-1-8 (10.51 mg/kg) |     |     |                         |     |     |

# Core Sample Record (JICA Study Team)

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Thana Keshabpur  
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 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 10.0   | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center;">core</span> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(-45deg); transform-origin: center;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

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FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 11.0  | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |


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 Core recorder Suenaga

| Depth (m)                     | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 |  |   |  |  |       |  |  |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|---|--|--|-------|--|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |      |      |      |  |   |  |  |       |  |  |
| Lithological Symbol           |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |       |  |  |
| Color                         |      |      |      |      |      |      |      |      |      |      |      |  | 2.5GY 5/1<br>olive gray   |  |  |       |  |  |
| Soil Description              |      |      |      |      |      |      | core |      |      |      |      |  | 50<br>Silty clay  |  |  |       |  |  |
| Labo. Sampling                |      |      |      |      |      |      |      |      |      |      |      |  | 12.60   |  |  | 13.00 |  |  |
| Sampling No.                  |      |      |      |      |      |      |      |      |      |      |      |  | GeJK-1-9 (6.95 mg/kg)   |  |  |       |  |  |
|                               |      |      |      |      |      |      |      |      |      |      |      |  |   |  |  |       |  |  |
|                               |      |      |      |      |      |      |      |      |      |      |      |  |   |  |  |       |  |  |



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Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder \_\_\_\_\_

| Depth (m)                     | 14.0  | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 15 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|----|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core</span> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">lost</span> </div> |      |      |      |      |      |      |      |      |      |    |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |    |
| Color                         |   |      |      |      |      |      |      |      |      |      |    |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |    |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |    |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |    |




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FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

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 Location \_\_\_\_\_

Drilling No. GeJK-1  
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 Core recorder Suenaga

| Depth (m)                     | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6  | 15.7 | 15.8 | 15.9 | 16.0 |   |  |  |  |  |
|-------------------------------|------|------|------|------|------|------|---|------|------|------|------|---|--|--|--|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |  |      |      |      |      |   |  |  |  |  |
| Lithological Symbol           |      |      |      |      |      |      |   |      |      |      |      |   |  |  |  |  |
| Color                         |      |      |      |      |      |      |   |      |      |      |      | 2.5 TS/1<br>gray                                  |  |  |  |  |
| Soil Description              |      |      |      |      |      |      | core lost   |      |      |      |      | 50<br>mica rich<br>bioturbation<br>Silty VF ~ f.s |  |  |  |  |
| Labo. Sampling                |      |      |      |      |      |      |   |      |      |      |      |   |  |  |  |  |
| Sampling No.                  |      |      |      |      |      |      |   |      |      |      |      |   |  |  |  |  |

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 Location \_\_\_\_\_

Drilling No. GeJK-1  
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 Core recorder Suenaga

| Depth (m)                     | 16.0                      | 16.1 | 16.2 | 16.3 | 16.4 | 16.5   | 16.6 | 16.7 | 16.8 | 16.9 | 17.0 |       |      |  |      |  |  |
|-------------------------------|---------------------------|------|------|------|------|--|------|------|------|------|------|-------|------|--|------|--|--|
| Lithological Structure Sketch |                           |      |      |      |      | <div style="font-size: 4em; opacity: 0.5;">X</div> |      |      |      |      |      |       |      |  |      |  |  |
| Lithological Symbol           |                           |      |      |      |      |  |      |      |      |      |      |       |      |  |      |  |  |
| Color                         | 7.5Y5/1<br>gray           |      |      |      |      |  |      |      |      |      |      |       |      |  |      |  |  |
| Soil Description              | mica rich<br>Silty vf-f.s |      |      |      |      |  |      |      |      |      |      | 50    | core |  | lost |  |  |
| Labo. Sampling                | 16.00                     |      |      |      |      |  |      |      |      |      |      | 16.50 |      |  |      |  |  |
| Sampling No.                  | GeJK-1-10 (4.25 mg/kg)    |      |      |      |      |  |      |      |      |      |      |       |      |  |      |  |  |

# Core Sample Record (JICA Study Team)

Sheet No. 18

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 17.0   | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 18.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; width: 100%; height: 100%; border: 1px solid black;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core</span> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |

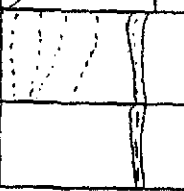
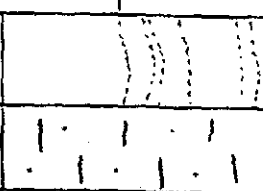
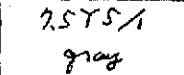
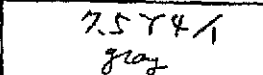
# Core Sample Record (JICA Study Team)

Sheet No. 19

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 18.0 | 18.1 | 18.2 | 18.3 | 18.4   | 18.5 | 18.6   | 18.7 | 18.8 | 18.9 | 19.0 |  |
|-------------------------------|------|------|------|------|--|------|--|------|------|------|------|--|
| Lithological Structure Sketch | X    |      |      |      |   |      |   |      | X    |      |      |  |
| Lithological Symbol           |      |      |      |      |  |      |  |      |      |      |      |  |
| Color                         | X    |      |      |      | 7.5Y5/1<br>gray  |      | 7.5Y4/1<br>gray  |      | X    |      |      |  |
| Soil Description              |      |      |      |      | X  |      |  |      |      |      |      |  |
| Labo. Sampling                | X    |      |      |      |  |      |  |      |      |      |      |  |
| Sampling No.                  | X    |      |      |      |  |      |  |      |      |      |      |  |

# Core Sample Record (JICA Study Team)

Sheet No. 20

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 19.0   | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 20.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center;">X</span> <div style="position: absolute; top: 50%; left: 30%; transform: translate(-50%, -50%);">core</div> <div style="position: absolute; top: 50%; left: 60%; transform: translate(-50%, -50%);">lost</div> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |



# Core Sample Record (JICA Study Team)

Sheet No. 22

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Sueroga

| Depth (m)                     | 21.0  | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 22.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core</span> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 23

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2002  
 Core recorder S. Sengupta

| Depth (m)                     | 22.0  | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 23.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core</span> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |



# Core Sample Record (JICA Study Team)

Sheet No. 24

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 12 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5      | 23.6 | 23.7  | 23.8 | 23.9 | 24.0 |
|-------------------------------|------|------|------|------|------|-----------|------|-------|------|------|------|
| Lithological Structure Sketch | X    |      |      |      |      |           |      |       |      |      |      |
| Lithological Symbol           |      |      |      |      |      |           |      |       |      |      |      |
| Color                         |      |      |      |      |      |           |      |       |      |      |      |
| Soil Description              |      |      |      |      |      |           |      |       |      |      |      |
| Labo. Sampling                |      |      |      |      |      | 23.20     |      | 23.60 |      |      |      |
| Sampling No.                  |      |      |      |      |      | GeJK-1-11 |      |       |      |      |      |

(6.86 mg/kg)



# Core Sample Record (JICA Study Team)

Sheet No. 26

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 13, June, 2001  
 Core recorder Suenaga

| Depth (m)                     | 25.0  | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 26.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="font-size: 4em; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;">                     X                 </div> <p style="font-size: 2em; margin: 0;">core lost</p> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 27

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 13 / June / 2001  
 Core recorder Sunaga

| Depth (m)                     | 26.0 | 26.1             | 26.2 | 26.3           | 26.4 | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 | 27.0 |  |
|-------------------------------|------|------------------|------|----------------|------|------|------|------|------|------|------|--|
| Lithological Structure Sketch |      |                  |      | X<br>core lost |      |      |      |      |      |      |      |  |
| Lithological Symbol           |      |                  |      |                |      |      |      |      |      |      |      |  |
| Color                         |      | 10Y 5/1<br>gray  |      |                |      |      |      |      |      |      |      |  |
| Soil Description              |      | f.s<br>mica rich | 20   |                |      |      |      |      |      |      |      |  |
| Labo. Sampling                |      |                  |      |                |      |      |      |      |      |      |      |  |
| Sampling No.                  |      |                  |      |                |      |      |      |      |      |      |      |  |

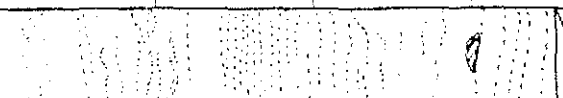
## Core Sample Record (JICA Study Team)

Sheet No. 28

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 13 / June / 2001  
 Core recorder Svenaya

| Depth (m)                     | 27.0 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5  | 27.6 | 27.7 | 27.8 | 27.9 | 28.0 |  |   |  |  |  |  |
|-------------------------------|------|------|------|------|------|---|------|------|------|------|------|--|---|--|--|--|--|
| Lithological Structure Sketch | X    |      |      |      |      |  |      |      |      |      | X    |  |   |  |  |  |  |
| Lithological Symbol           |      |      |      |      |      |   |      |      |      |      |      |  |   |  |  |  |  |
| Color                         |      |      |      |      |      | 10Y5/1 ~ 7.5Y5/1<br>gray  |      |      |      |      |      |  |   |  |  |  |  |
| Soil Description              |      |      |      |      |      | core lost   |      |      |      |      |      |  | 50                      Vf - F.S                      85<br>mica rich<br>27.80 clay block (gray, 2cm) |  |  |  |  |
| Labo. Sampling                |      |      |      |      |      |   |      |      |      |      |      |  | 27.50                      27.85  |  |  |  |  |
| Sampling No.                  |      |      |      |      |      |   |      |      |      |      |      |  | GeJK-1-12 (111mg/kg)  |  |  |  |  |

# Core Sample Record (JICA Study Team)

Sheet No. 29

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 13 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 28.0   | 28.1 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.9 | 29.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center; opacity: 0.5;">core lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |


# Core Sample Record (JICA Study Team)

Sheet No. 30

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 13 / June / 2002  
 Core recorder Suenaga

| Depth (m)                     | 29.0  | 29.1 | 29.2 | 29.3 | 29.4           | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 30.0 |  |
|-------------------------------|---|------|------|------|----------------|------|------|------|------|------|------|--|
| Lithological Structure Sketch |  |      |      |      | X<br>core lost |      |      |      |      |      |      |  |
| Lithological Symbol           |   |      |      |      |                |      |      |      |      |      |      |  |
| Color                         | 10Y5/1<br>gray  |      |      |      |                |      |      |      |      |      |      |  |
| Soil Description              | mica rich f.s 33  |      |      |      |                |      |      |      |      |      |      |  |
| Labo. Sampling                |   |      |      |      |                |      |      |      |      |      |      |  |
| Sampling No.                  |   |      |      |      |                |      |      |      |      |      |      |  |

# Core Sample Record (JICA Study Team)

Sheet No. 31

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 30.0   | 30.1 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | 30.9 | 31.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center;">core</span> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(-45deg); transform-origin: center;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |




# Core Sample Record (JICA Study Team)

Sheet No. 32

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2002  
 Core recorder Suhaga

| Depth (m)                     | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.5  | 31.6 | 31.7  | 31.8 | 31.9 | 32.0                |    |      |      |
|-------------------------------|------|------|------|------|------|---|------|---|------|------|---------------------|----|------|------|
| Lithological Structure Sketch | X    |      |      |      |      |  |      |   | X    |      |                     |    |      |      |
| Lithological Symbol           |      |      |      |      |      |   |      |   |      |      |                     |    |      |      |
| Color                         |      |      |      |      |      | 10Y5/1 ~ 10Y6/1<br>gray   |      |   |      |      |                     |    |      |      |
| Soil Description              |      |      |      |      |      | core  | lost | 50<br>mica rich<br>31.58~60 silty v.f.s block (2cm) |      |      | f.s<br>bioturbation | 80 | core | lost |
| Labo. Sampling                |      |      |      |      |      |   |      |   |      |      |                     |    |      |      |
| Sampling No.                  |      |      |      |      |      |   |      |   |      |      |                     |    |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 33

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 32.0   | 32.1 | 32.2 | 32.3 | 32.4 | 32.5 | 32.6 | 32.7 | 32.8 | 32.9 | 33.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center;">core</span> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(-45deg); transform-origin: center;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |


# Core Sample Record (JICA Study Team)

Sheet No. 34

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 33.0   | 33.1 | 33.2  | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 34.0 |  |    |      |  |      |  |  |  |
|-------------------------------|--|------|-------|------|------|------|------|------|------|------|------|--|----|------|--|------|--|--|--|
| Lithological Structure Sketch |  |      |       |      | X    |      |      |      |      |      |      |  |    |      |  |      |  |  |  |
| Lithological Symbol           |  |      |       |      |      |      |      |      |      |      |      |  |    |      |  |      |  |  |  |
| Color                         | 10Y 5/1 ~ 10Y 6/1<br>gray  |      |       |      |      |      |      |      |      |      |      |  |    |      |  |      |  |  |  |
| Soil Description              | micaceous<br>Yf - f.s<br>disturbance   |      |       |      |      |      |      |      |      |      |      |  | 40 | core |  | lost |  |  |  |
| Labo. Sampling                | 33.00  |      | 33.40 |      |      |      |      |      |      |      |      |  |    |      |  |      |  |  |  |
| Sampling No.                  | GeJK-1-13 (1.74 mg/kg)   |      |       |      |      |      |      |      |      |      |      |  |    |      |  |      |  |  |  |

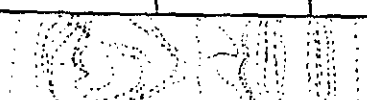
# Core Sample Record (JICA Study Team)

Sheet No. 35

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 34.0 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5  | 34.6 | 34.7 | 34.8 | 34.9 | 35.0  |  |  |                                |  |
|-------------------------------|------|------|------|------|------|---|------|------|------|------|---|--|--|--------------------------------|--|
| Lithological Structure Sketch | X    |      |      |      |      |  |      |      | X    |      |   |  |  |                                |  |
| Lithological Symbol           |      |      |      |      |      |   |      |      |      |      |   |  |  |                                |  |
| Color                         |      |      |      |      |      | 10Y 5/1 ~ 10Y 6/1<br>gray   |      |      |      |      |   |  |  |                                |  |
| Soil Description              |      |      |      |      |      | core                      lost  |      |      |      |      | 50                      75<br>vf - f-s<br>mica rich                      bioturbation |  |  | core                      lost |  |
| Labo. Sampling                |      |      |      |      |      |   |      |      |      |      |   |  |  |                                |  |
| Sampling No.                  |      |      |      |      |      |   |      |      |      |      |   |  |  |                                |  |

# Core Sample Record (JICA Study Team)

Sheet No. 36

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 35.0  | 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 36.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em;">X</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 37

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 36.0                                   | 36.1 | 36.2 | 36.3 | 36.4 | 36.5           | 36.6 | 36.7 | 36.8 | 36.9 | 37.0 |     |    |
|-------------------------------|--|------|------|------|------|----------------|------|------|------|------|------|-----|----|
| Lithological Structure Sketch |  |      |      |      |      | X<br>core lost |      |      |      |      |      |     |    |
| Lithological Symbol           |  |      |      |      |      |                |      |      |      |      |      |     |    |
| Color                         | 10 Y 5/1<br>gray                       |      |      |      |      |                |      |      |      |      |      |     |    |
| Soil Description              | mica rich<br>30.33-35 silt (2cm, gray) |      |      |      |      |                |      |      |      |      |      | f.s | 50 |
| Labo. Sampling                |  |      |      |      |      |                |      |      |      |      |      |     |    |
| Sampling No.                  |  |      |      |      |      |                |      |      |      |      |      |     |    |



# Core Sample Record (JICA Study Team)

Sheet No. 38

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 37.0      | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6   | 37.7 | 37.8 | 37.9  | 38.0 |  |   |  |  |  |  |  |
|-------------------------------|-----------|------|------|------|------|------|--|------|------|-------|------|--|---|--|--|--|--|--|
| Lithological Structure Sketch | X         |      |      |      |      |      |  |      |      |       |      |  |   |  |  |  |  |  |
| Lithological Symbol           |           |      |      |      |      |      |  |      |      |       |      |  |   |  |  |  |  |  |
| Color                         |           |      |      |      |      |      | core lost  |      |      |       |      |  | 2.5GT 4/1<br>dark olive gray                              |  |  |  |  |  |
| Soil Description              |           |      |      |      |      |      |  |      |      |       |      |  | 50<br>clayey silt<br>charcoal wooden fragment (0.5 ~ 4cm) |  |  |  |  |  |
| Labo. Sampling                | core lost |      |      |      |      |      | 37.60  |      |      | 38.00 |      |  |   |  |  |  |  |  |
| Sampling No.                  |           |      |      |      |      |      | core lost  |      |      |       |      |  | GeJK-1-14<br>(11.02 mg/kg)                                |  |  |  |  |  |

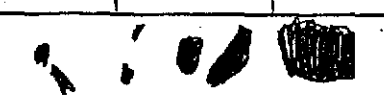

# Core Sample Record (JICA Study Team)

Sheet No. 39

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 38.0  | 38.1                        | 38.2 | 38.3           | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 38.9 | 39.0 |  |
|-------------------------------|---|-----------------------------|------|----------------|------|------|------|------|------|------|------|--|
| Lithological Structure Sketch |  |                             |      | X<br>core lost |      |      |      |      |      |      |      |  |
| Lithological Symbol           |  |                             |      |                |      |      |      |      |      |      |      |  |
| Color                         | 5GY 4/<br>dark<br>blue gray   | 2.5GY 4/<br>dark olive gray |      |                |      |      |      |      |      |      |      |  |
| Soil Description              | clayey silt <sup>30</sup><br>Charcoal wooder fragment                             |                             |      |                |      |      |      |      |      |      |      |  |
| Labo. Sampling                |   |                             |      |                |      |      |      |      |      |      |      |  |
| Sampling No.                  |   |                             |      |                |      |      |      |      |      |      |      |  |





# Core Sample Record (JICA Study Team)

Sheet No. 41

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.5                   | 40.6      | 40.7 | 40.8             | 40.9 | 41.0 |  |  |  |  |       |  |  |
|-------------------------------|------|------|------|------|------|------------------------|-----------|------|------------------|------|------|--|--|--|--|-------|--|--|
| Lithological Structure Sketch | X    |      |      |      |      |                        | 100<br>D  |      | [Dotted pattern] |      |      |  |  |  |  |       |  |  |
| Lithological Symbol           |      |      |      |      |      |                        |           |      |                  |      |      |  |  |  |  |       |  |  |
| Color                         |      |      |      |      |      |                        |           |      |                  |      |      | 10 Y 5/1<br>gray   |  |  |  |       |  |  |
| Soil Description              |      |      |      |      |      |                        | core lost |      |                  |      |      | 50 mica rich f-5<br>40.50-53 clay block (2cm. grayish olive) |  |  |  |       |  |  |
| Labo. Sampling                |      |      |      |      |      |                        |           |      |                  |      |      | 40.60  |  |  |  | 41.00 |  |  |
| Sampling No.                  |      |      |      |      |      | GeJK-1-15 (1.25 mg/kg) |           |      |                  |      |      |  |  |  |  |       |  |  |

# Core Sample Record (JICA Study Team)

Sheet No. 42

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 41.0  | 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 42.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 43

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 42.0                              | 42.1 | 42.2 | 42.3 | 42.4 | 42.5  | 42.6 | 42.7 | 42.8 | 42.9 | 43.0 |       |  |
|-------------------------------|-----------------------------------|------|------|------|------|-------|------|------|------|------|------|-------|--|
| Lithological Structure Sketch |                                   |      |      |      |      |       |      |      |      |      |      |       |  |
| Lithological Symbol           |                                   |      |      |      |      |       |      |      |      |      |      |       |  |
| Color                         | 10 Y 5 / 1<br>gray                |      |      |      |      |       |      |      |      |      |      |       |  |
| Soil Description              | mica rich<br>f.-s<br>90 core lost |      |      |      |      |       |      |      |      |      |      |       |  |
| Labo. Sampling                |                                   |      |      |      |      | 42.20 |      |      |      |      |      | 42.80 |  |
| Sampling No.                  | GeJK-1-16 (1.52 mg/kg)            |      |      |      |      |       |      |      |      |      |      |       |  |

# Core Sample Record (JICA Study Team)

Sheet No. 44

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 44.0 |  |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |      |      |      |  |
| Lithological Symbol           |      |      |      |      |      |      |      |      |      |      |      |  |
| Color                         |      |      |      |      |      |      |      |      |      |      |      |  |
| Soil Description              |      |      |      |      |      |      |      |      |      |      |      |  |
| Labo. Sampling                |      |      |      |      |      |      |      |      |      |      |      |  |
| Sampling No.                  |      |      |      |      |      |      |      |      |      |      |      |  |

10 Y 5/1  
gray

f-s

25

core lost mica rich

# Core Sample Record (JICA Study Team)

Sheet No. 45

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 | 44.8 | 44.9 | 45.0 |  |  |  |  |  |  |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
| Lithological Symbol           |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
| Color                         |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
| Soil Description              |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
| Labo. Sampling                |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
| Sampling No.                  |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |
|                               |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |

core lost

50 mica rich f.s  
10Y5/1 gray


# Core Sample Record (JICA Study Team)

Sheet No. 46

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5  | 45.6 | 45.7 | 45.8 | 45.9 | 46.0 |  |  |  |  |  |  |              |  |
|-------------------------------|------|------|------|------|------|---|------|------|------|------|------|--|--|--|--|--|--|--------------|--|
| Lithological Structure Sketch | X    |      |      |      |      |  |      |      |      |      | X    |  |  |  |  |  |  |              |  |
| Lithological Symbol           |      |      |      |      |      |   |      |      |      |      |      |  |  |  |  |  |  |              |  |
| Color                         |      |      |      |      |      | 10Y5/1<br>gray  |      |      |      |      |      |  |  |  |  |  |  |              |  |
| Soil Description              |      |      |      |      |      | core lost   |      |      |      |      |      |  | 50 mica rich VF - f.s<br>45.59 - 61 silty VF-S block (gray, 1cm) |  |  |  |  | 90 core lost |  |
| Labo. Sampling                |      |      |      |      |      |   |      |      |      |      |      |  |  |  |  |  |  |              |  |
| Sampling No.                  |      |      |      |      |      |   |      |      |      |      |      |  |  |  |  |  |  |              |  |

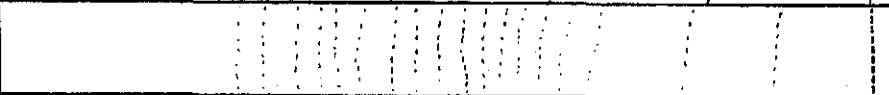
# Core Sample Record (JICA Study Team)

Sheet No. 47

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 46.0 | 46.1 | 46.2 | 46.3 | 46.4 | 46.5  | 46.6 | 46.7 | 46.8 | 46.9 | 47.0  |                  |  |  |  |                  |          |
|-------------------------------|------|------|------|------|------|---|------|------|------|------|-------|------------------|--|--|--|------------------|----------|
| Lithological Structure Sketch | X    |      |      |      |      |  |      |      |      |      |       |                  |  |  |  |                  |          |
| Lithological Symbol           |      |      |      |      |      |   |      |      |      |      |       |                  |  |  |  |                  |          |
| Color                         |      |      |      |      |      |   |      |      |      |      |       | 10 Y 5/1<br>gray |  |  |  |                  |          |
| Soil Description              |      |      |      |      |      | core  |      |      |      |      | loess |                  |  |  |  | 45<br>mica rich. | VF ~ F-5 |
| Labo. Sampling                |      |      |      |      |      |   |      |      |      |      |       |                  |  |  |  |                  |          |
| Sampling No.                  |      |      |      |      |      |   |      |      |      |      |       |                  |  |  |  |                  |          |
|                               |      |      |      |      |      |   |      |      |      |      |       |                  |  |  |  |                  |          |



# Core Sample Record (JICA Study Team)

Sheet No. 48

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Sunaga

| Depth (m)                     | 47.0                  | 47.1 | 47.2 | 47.3 | 47.4 | 47.5  | 47.6 | 47.7 | 47.8 | 47.9 | 48.0 |
|-------------------------------|-----------------------|------|------|------|------|-------|------|------|------|------|------|
| Lithological Structure Sketch |                       |      |      |      |      |       |      |      |      |      |      |
| Lithological Symbol           |                       |      |      |      |      |       |      |      |      |      |      |
| Color                         | 10 Y 5 / 1<br>gray    |      |      |      |      |       |      |      |      |      |      |
| Soil Description              | mica rich<br>VF - f.s |      |      |      |      |       |      |      |      |      |      |
| Labo. Sampling                | 47.00                 |      |      |      |      | 47.50 |      |      |      |      |      |
| Sampling No.                  | GeJK-1-17 (115 mg/kg) |      |      |      |      |       |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 49

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suenya

| Depth (m)                     | 48.0 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 49.0 |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |      |      |      |      |      |      |      |      |      |      |      |
| Color                         |      |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |      |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |      |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |      |      |      |      |      |      |      |      |      |      |      |

*core*

*lost*

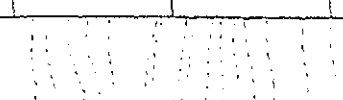
# Core Sample Record (JICA Study Team)

Sheet No. 50

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 17 / June / 2001  
 Core recorder Suman

| Depth (m)                     | 49.0 | 49.1 | 49.2 | 49.3 | 49.4 | 49.5  | 49.6 | 49.7 | 49.8 | 49.9 | 50.0 |                 |  |     |  |  |
|-------------------------------|------|------|------|------|------|---|------|------|------|------|------|-----------------|--|-----|--|--|
| Lithological Structure Sketch | X    |      |      |      |      |  |      |      |      |      |      |                 |  |     |  |  |
| Lithological Symbol           |      |      |      |      |      |   |      |      |      |      |      |                 |  |     |  |  |
| Color                         |      |      |      |      |      |   |      |      |      |      |      | 10Y5/1<br>gray  |  |     |  |  |
| Soil Description              |      |      |      |      |      | core  |      |      |      | lost |      | 50<br>mica rich |  | f.s |  |  |
| Labo. Sampling                |      |      |      |      |      |   |      |      |      |      |      |                 |  |     |  |  |
| Sampling No.                  |      |      |      |      |      |   |      |      |      |      |      |                 |  |     |  |  |

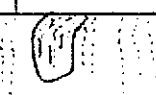
# Core Sample Record (JICA Study Team)

Sheet No. 51

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 50.0 | 50.1  | 50.2      | 50.3 | 50.4 | 50.5 | 50.6 | 50.7 | 50.8 | 50.9 | 51.0 |
|-------------------------------|------|---|-----------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch |      |  | core lost |      |      |      |      |      |      |      |      |
| Lithological Symbol           |      |   |           |      |      |      |      |      |      |      |      |
| Color                         |      | 7.5Y5/1<br>gray   |           |      |      |      |      |      |      |      |      |
| Soil Description              |      | f.s<br>mica rich<br>50.12-15 silty v.f.s block<br>(3x4cm)<br>20                   |           |      |      |      |      |      |      |      |      |
| Labo. Sampling                |      |   |           |      |      |      |      |      |      |      |      |
| Sampling No.                  |      |   |           |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 52

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suena gya

| Depth (m)                     | 51.0             | 51.1 | 51.2 | 51.3 | 51.4 | 51.5                   | 51.6 | 51.7 | 51.8  | 51.9 | 52.0 |  |
|-------------------------------|------------------|------|------|------|------|------------------------|------|------|-------|------|------|--|
| Lithological Structure Sketch |                  |      |      |      |      |                        |      |      |       |      |      |  |
| Lithological Symbol           |                  |      |      |      |      |                        |      |      |       |      |      |  |
| Color                         | 10 Y 5/1<br>gray |      |      |      |      |                        |      |      |       |      |      |  |
| Soil Description              | mica rich<br>f.s |      |      |      |      |                        |      |      |       |      |      |  |
| Labo. Sampling                |                  |      |      |      |      | 51.50                  |      |      | 52.00 |      |      |  |
| Sampling No.                  |                  |      |      |      |      | GeJK-1-18 (2.04 mg/kg) |      |      |       |      |      |  |

# Core Sample Record (JICA Study Team)

Sheet No. 53

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 52.0                    | 52.1 | 52.2 | 52.3 | 52.4 | 52.5 | 52.6 | 52.7 | 52.8 | 52.9 | 53.0 |
|-------------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | [Dotted pattern sketch] |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |                         |      |      |      |      |      |      |      |      |      |      |
| Color                         | 7.5 Y 5 / 1<br>gray     |      |      |      |      |      |      |      |      |      |      |
| Soil Description              | mica rich<br>f.s        |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |                         |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |                         |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 54

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder \_\_\_\_\_

| Depth (m)                     | 53.0   | 53.1 | 53.2 | 53.3 | 53.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.9 | 54.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 2px solid black; transform: rotate(45deg); transform-origin: center;"></span> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 2px solid black; transform: rotate(-45deg); transform-origin: center;"></span> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-family: cursive; font-size: 2em;">                     core lost                 </div> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 55

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 54.0                              | 54.1 | 54.2 | 54.3 | 54.4 | 54.5 | 54.6 | 54.7 | 54.8 | 54.9 | 55.0 |  |      |  |      |  |
|-------------------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|--|------|--|------|--|
| Lithological Structure Sketch | [Sketch area with vertical lines] |      |      |      |      |      | X    |      |      |      |      |  |      |  |      |  |
| Lithological Symbol           |                                   |      |      |      |      |      |      |      |      |      |      |  |      |  |      |  |
| Color                         | 10 Y 5/1<br>gray                  |      |      |      |      |      |      |      |      |      |      |  |      |  |      |  |
| Soil Description              | mica rich                         |      | F.S  |      |      | 58   |      |      |      |      |      |  | core |  | lost |  |
| Labo. Sampling                |                                   |      |      |      |      |      |      |      |      |      |      |  |      |  |      |  |
| Sampling No.                  |                                   |      |      |      |      |      |      |      |      |      |      |  |      |  |      |  |
|                               |                                   |      |      |      |      |      |      |      |      |      |      |  |      |  |      |  |
|                               |                                   |      |      |      |      |      |      |      |      |      |      |  |      |  |      |  |



# Core Sample Record (JICA Study Team)

Sheet No. 56

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0                         |   |                  |  |       |  |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------------------------------|---|------------------|--|-------|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |      |      |                              |   |                  |  |       |  |
| Lithological Symbol           |      |      |      |      |      |      |      |      |      |      |                              |   |                  |  |       |  |
| Color                         |      |      |      |      |      |      |      |      |      |      | 2.5 TS/1<br>gray             |   | 2.5 TS/1<br>gray |  |       |  |
| Soil Description              |      |      |      |      |      |      |      |      |      |      | 50<br>Silty f.s<br>micaceous | 60<br>micaceous<br>55.64~65 pebble (o.s. 1cm) | f-m.s            |  |       |  |
| Labo. Sampling                |      |      |      |      |      |      |      |      |      |      |                              | 55.60   |                  |  | 56.00 |  |
| Sampling No.                  |      |      |      |      |      |      |      |      |      |      |                              | GeJK-1-19 (1.17 mg/kg)                        |                  |  |       |  |

# Core Sample Record (JICA Study Team)

Sheet No. 57

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2002  
 Core recorder Suanaga

| Depth (m)                     | 56.0   | 56.1 | 56.2 | 56.3 | 56.4 | 56.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; width: 100%; height: 100%; border: 1px solid black;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core</span> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 58

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 57.0                              | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 |    |      |      |
|-------------------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|----|------|------|
| Lithological Structure Sketch | [Sketch area with vertical lines] |      |      |      |      | X    |      |      |      |      |      |    |      |      |
| Lithological Symbol           |                                   |      |      |      |      |      |      |      |      |      |      |    |      |      |
| Color                         | 7.5Y 5/1<br>gray                  |      |      |      |      |      |      |      |      |      |      |    |      |      |
| Soil Description              | mica rich<br>f - m - s            |      |      |      |      |      |      |      |      |      |      | 50 | core | lost |
| Labo. Sampling                |                                   |      |      |      |      |      |      |      |      |      |      |    |      |      |
| Sampling No.                  |                                   |      |      |      |      |      |      |      |      |      |      |    |      |      |
|                               |                                   |      |      |      |      |      |      |      |      |      |      |    |      |      |
|                               |                                   |      |      |      |      |      |      |      |      |      |      |    |      |      |
|                               |                                   |      |      |      |      |      |      |      |      |      |      |    |      |      |

57.11 - 12 charcoal wooden fragment (1 x 1.5 cm)  
 57.13 ~ 17 mica densely

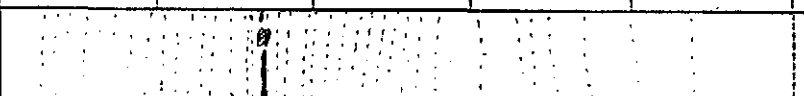
# Core Sample Record (JICA Study Team)

Sheet No. 59

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 58.0                   | 58.1 | 58.2 | 58.3 | 58.4 | 58.5  | 58.6 | 58.7 | 58.8 | 58.9 | 59.0   |                   |  |  |  |  |  |
|-------------------------------|------------------------|------|------|------|------|---|------|------|------|------|--|-------------------|--|--|--|--|--|
| Lithological Structure Sketch | X                      |      |      |      |      |  |      |      |      |      |  |                   |  |  |  |  |  |
| Lithological Symbol           |                        |      |      |      |      |   |      |      |      |      |  |                   |  |  |  |  |  |
| Color                         |                        |      |      |      |      |   |      |      |      |      |  | 7.5 Y 5/1<br>gray |  |  |  |  |  |
| Soil Description              |                        |      |      |      |      | core lost   |      |      |      |      | 50<br>mica rich f-m.s<br>58.66-67 charcoal wooden fragment, clay block (0.5cm) |                   |  |  |  |  |  |
| Labo. Sampling                |                        |      |      |      |      | 58.50   |      |      |      |      |  | 59.00             |  |  |  |  |  |
| Sampling No.                  | GeJK-1-20 (2.20 mg/kg) |      |      |      |      |   |      |      |      |      |  |                   |  |  |  |  |  |

# Core Sample Record (JICA Study Team)

Sheet No. 60

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 59.0                     | 59.1 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0 |  |
|-------------------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|--|
| Lithological Structure Sketch | [Dotted pattern]         |      |      | X    |      |      |      |      |      |      |      |  |
| Lithological Symbol           |                          |      |      |      |      |      |      |      |      |      |      |  |
| Color                         | 7.5 Y 5/1<br>gray        |      |      |      |      |      |      |      |      |      |      |  |
| Soil Description              | f. m. s. 25<br>mica rich |      |      |      |      |      |      |      |      |      |      |  |
| Labo. Sampling                |                          |      |      |      |      |      |      |      |      |      |      |  |
| Sampling No.                  |                          |      |      |      |      |      |      |      |      |      |      |  |
|                               |                          |      |      |      |      |      |      |      |      |      |      |  |
|                               |                          |      |      |      |      |      |      |      |      |      |      |  |

# Core Sample Record (JICA Study Team)

Sheet No. 61

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 60.0                    | 60.1     | 60.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0 |      |      |
|-------------------------------|-------------------------|----------|------|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | [Dotted pattern sketch] |          |      |      |      |      | X    |      |      |      |      |      |      |
| Lithological Symbol           |                         |          |      |      |      |      |      |      |      |      |      |      |      |
| Color                         | 2.5 Y 5/1<br>gray       |          |      |      |      |      |      |      |      |      |      |      |      |
| Soil Description              | mica rich               | f ~ m. s |      |      |      | 63   |      |      |      |      |      | core | lost |
| Labo. Sampling                |                         |          |      |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |                         |          |      |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 62

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 61.0                   | 61.1 | 61.2                               | 61.3 | 61.4                 | 61.5 | 61.6                           | 61.7 | 61.8   | 61.9 | 62.0 |
|-------------------------------|------------------------|------|------------------------------------|------|----------------------|------|--------------------------------|------|--|------|------|
| Lithological Structure Sketch | [Sketch]               |      | [Sketch]                           |      | [Sketch]             |      | [Sketch]                       |      | [Sketch]   |      |      |
| Lithological Symbol           |                        |      |                                    |      | <del>        </del>  |      |                                |      |  |      |      |
| Color                         | 2.5YS1<br>gray         |      | 2.5YS1<br>gray                     |      | <del>        </del>  |      | 2.5YS1<br>gray                 |      | 2.5Y 4/1<br>gray   |      |      |
| Soil Description              | f.s<br>mica rich<br>15 |      | Silty<br>Vf-f.s<br>mica rich<br>30 |      | <del>core lost</del> |      | 50<br>mica rich<br>f-m.s<br>79 |      | Peaty Vf.s<br>mica rich<br>chemical wooden fragment<br>(1-3cm) |      |      |
| Labo. Sampling                |                        |      |                                    |      | <del>        </del>  |      |                                |      | 61.80      62.00   |      |      |
| Sampling No.                  |                        |      |                                    |      | <del>        </del>  |      |                                |      | GeJK-1-21  |      |      |

(10.81 mg/kg)

# Core Sample Record (JICA Study Team)

Sheet No. 63

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 62.0  | 62.1 | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; width: 100%; height: 100%; border: 1px solid black;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 2px solid black; transform: rotate(45deg); transform-origin: center;"></div> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 2px solid black; transform: rotate(-45deg); transform-origin: center;"></div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">                     core lost                 </div> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |



# Core Sample Record (JICA Study Team)

Sheet No. 64

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 63.0 | 63.1 | 63.2 | 63.3 | 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0 |                        |  |                 |  |       |  |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------------------------|--|-----------------|--|-------|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |      |      |      |                        |  |                 |  |       |  |
| Lithological Symbol           |      |      |      |      |      |      |      |      |      |      |      |                        |  |                 |  |       |  |
| Color                         |      |      |      |      |      |      |      |      |      |      |      |                        |  | 7.575/1<br>gray |  |       |  |
| Soil Description              |      |      |      |      |      |      |      |      | core | lost |      | 50<br>mica rich        |  | f n m .5        |  |       |  |
| Labo. Sampling                |      |      |      |      |      |      |      |      |      |      |      | 63.50                  |  |                 |  | 64.00 |  |
| Sampling No.                  |      |      |      |      |      |      |      |      |      |      |      | GeJK-1-22 (1.77 mg/kg) |  |                 |  |       |  |

# Core Sample Record (JICA Study Team)

Sheet No. 65

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 64.0  | 64.1 | 64.2 | 64.3 | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center; border-left: 1px dashed black; border-right: 1px dashed black;"></span> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(-45deg); transform-origin: center; border-left: 1px dashed black; border-right: 1px dashed black;"></span> </div> <p style="font-size: 2em; margin: 0;">core <span style="margin-left: 200px;">lost</span></p> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 66

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 65.0                | 65.1 | 65.2 | 65.3                   | 65.4 | 65.5           | 65.6  | 65.7 | 65.8 | 65.9 | 66.0 |  |
|-------------------------------|---------------------|------|------|------------------------|------|----------------|-------|------|------|------|------|--|
| Lithological Structure Sketch | [Blank sketch area] |      |      |                        |      |                |       |      |      |      |      |  |
| Lithological Symbol           | [Blank symbol area] |      |      |                        |      |                |       |      |      |      |      |  |
| Color                         | 10 Y5/1<br>gray     |      |      |                        |      | 5 Y5/1<br>gray |       |      |      |      |      |  |
| Soil Description              | mica rich           |      |      |                        |      | f.s            |       |      |      |      |      |  |
| Labo. Sampling                |                     |      |      | 65.20                  |      |                | 65.70 |      |      |      |      |  |
| Sampling No.                  |                     |      |      | GeJK-1-23 (1.28 mg/kg) |      |                |       |      |      |      |      |  |

# Core Sample Record (JICA Study Team)

Sheet No. 67

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 66.0                             | 66.1 | 66.2   | 66.3 | 66.4           | 66.5 | 66.6   | 66.7 | 66.8  | 66.9 | 67.0 |
|-------------------------------|----------------------------------|------|--|------|----------------|------|--|------|---|------|------|
| Lithological Structure Sketch |                                  |      |  |      | X              |      |  |      |   |      |      |
| Lithological Symbol           |                                  |      |  |      | X              |      |  |      |   |      |      |
| Color                         | 10YS/1<br>gray                   |      | 5YS/1 ~ 10YR4/2<br>gray grayish yellow brown |      | X              |      | 10YR4/2 ~ 5YS/1<br>grayish yellow brown gray |      | 2.5YS/1<br>gray                                       |      |      |
| Soil Description              | m-c-5 <sup>14</sup><br>mica rich |      | m.s <sup>33</sup><br>mica rich               |      | X<br>core lost |      | 50<br>mica rich                              |      | m.s<br>66.94-95 clay block (greenish gray, soft, 1cm) |      |      |
| Labo. Sampling                |                                  |      |  |      |                |      |  |      |   |      |      |
| Sampling No.                  |                                  |      |  |      |                |      |  |      |   |      |      |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Sulagna

| Depth (m)                     | 67.0                                 | 67.1 | 67.2 | 67.3 | 67.4                             | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0 |
|-------------------------------|--------------------------------------|------|------|------|----------------------------------|------|------|------|------|------|------|
| Lithological Structure Sketch | [Dotted pattern sketch]              |      |      |      |                                  |      |      |      |      |      |      |
| Lithological Symbol           | [Blank]                              |      |      |      |                                  |      |      |      |      |      |      |
| Color                         | 10 Y 5/1<br>gray                     |      |      |      | 7.5GY 6/1<br>granish gray        |      |      |      |      |      |      |
| Soil Description              | c-s                                  |      |      |      | 38<br>Silty f-m, s <sup>ss</sup> |      |      |      |      |      |      |
| Labo. Sampling                | 67.00                                |      |      |      | 67.38                            |      |      |      |      |      |      |
| Sampling No.                  | GeJK-1-24 (1.23 mg/l <sub>vg</sub> ) |      |      |      |                                  |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2002  
 Core recorder Suenaga

| Depth (m)                     | 68.0               | 68.1 | 68.2 | 68.3 | 68.4   | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 |
|-------------------------------|--------------------|------|------|------|--|------|------|------|------|------|------|
| Lithological Structure Sketch | [Dotted pattern]   |      |      |      | [Dotted pattern]                             |      | X    |      |      |      |      |
| Lithological Symbol           |                    |      |      |      |  |      |      |      |      |      |      |
| Color                         | 10 Y 5/1<br>gray   |      |      |      | 7.5GY 6/1<br>greenish gray                   |      |      |      |      |      |      |
| Soil Description              | mica rich<br>m-c-s |      |      |      | 40<br>Silty f-m s <sup>52</sup><br>mica rich |      |      |      |      |      |      |
| Labo. Sampling                |                    |      |      |      |  |      |      |      |      |      |      |
| Sampling No.                  |                    |      |      |      |  |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 18 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5             | 69.6 | 69.7 | 69.8 | 69.9 | 70.0            |                    |  |  |  |  |
|-------------------------------|------|------|------|------|------|------------------|------|------|------|------|-----------------|--------------------|--|--|--|--|
| Lithological Structure Sketch | X    |      |      |      |      | [Dotted pattern] |      |      |      |      |                 |                    |  |  |  |  |
| Lithological Symbol           |      |      |      |      |      |                  |      |      |      |      |                 |                    |  |  |  |  |
| Color                         |      |      |      |      |      |                  |      |      |      |      |                 | 10 Y 5 / 1<br>gray |  |  |  |  |
| Soil Description              |      |      |      |      |      | core lost        |      |      |      |      | 50<br>mica rich |                    |  |  |  |  |
| Labo. Sampling                |      |      |      |      |      |                  |      |      |      |      |                 |                    |  |  |  |  |
| Sampling No.                  |      |      |      |      |      |                  |      |      |      |      |                 |                    |  |  |  |  |

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 70.0  | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em;">X</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |



# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 71.0 | 71.1 | 71.2  | 71.3  | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 |      |      |
|-------------------------------|------|------|---|---|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch |      |      | ○ ○   | ○ ○   | ○ ○  | X    |      |      |      |      |      |      |      |
| Lithological Symbol           |      |      |   |   |      |      |      |      |      |      |      |      |      |
| Color                         |      |      | 2.5 Y 5/1<br>gray   |   |      |      |      |      |      |      |      |      |      |
| Soil Description              |      |      | mica rich<br>71.17~25 silt block (soft, greenish gray, 1cm) | C.S<br>71.24~25 trace fossil<br>71.20~21 sand block (hard, gray, 1cm) | 40   |      |      |      |      |      |      | core | lost |
| Labo. Sampling                |      |      |   |   |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |      |      |   |   |      |      |      |      |      |      |      |      |      |

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
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Thana Keshabpur  
 Union Panjia  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.5             | 72.6 | 72.7 | 72.8 | 72.9 | 73.0 |                             |  |  |  |  |
|-------------------------------|------|------|------|------|------|------------------|------|------|------|------|------|-----------------------------|--|--|--|--|
| Lithological Structure Sketch | X    |      |      |      |      | [Dotted pattern] |      |      |      |      |      |                             |  |  |  |  |
| Lithological Symbol           |      |      |      |      |      |                  |      |      |      |      |      |                             |  |  |  |  |
| Color                         |      |      |      |      |      |                  |      |      |      |      |      | 7.5 Y 5 /<br>gray           |  |  |  |  |
| Soil Description              |      |      |      |      |      | core             |      |      |      | lost |      | 50<br>mica rich Silty f-m.s |  |  |  |  |
| Labo. Sampling                |      |      |      |      |      |                  |      |      |      |      |      |                             |  |  |  |  |
| Sampling No.                  |      |      |      |      |      |                  |      |      |      |      |      |                             |  |  |  |  |
|                               |      |      |      |      |      |                  |      |      |      |      |      |                             |  |  |  |  |
|                               |      |      |      |      |      |                  |      |      |      |      |      |                             |  |  |  |  |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
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Thana Keshabpur  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 73.0  | 73.1 | 73.2 | 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em;">X</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 74.0                         | 74.1 | 74.2 | 74.3 | 74.4 | 74.5   | 74.6 | 74.7 | 74.8 | 74.9 | 75.0  |
|-------------------------------|------------------------------|------|------|------|------|--|------|------|------|------|-------|
| Lithological Structure Sketch | [Sketch area]                |      |      |      |      |  |      |      |      |      |       |
| Lithological Symbol           | [Symbol area]                |      |      |      |      |  |      |      |      |      |       |
| Color                         | 7.5 Y5/1<br>gray             |      |      |      |      | 10 Y5/1<br>gray  |      |      |      |      |       |
| Soil Description              | mica rich<br>Silty f - m . s |      |      |      |      | 30<br>mica rich<br>with spotted matter (reddish brown, heavy mineral)<br>f - m . s |      |      |      |      |       |
| Labo. Sampling                |                              |      |      |      |      | 74.40  |      |      |      |      | 75.00 |
| Sampling No.                  | GeJK-1-25 (149 mg/kg)        |      |      |      |      |  |      |      |      |      |       |



# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenoga

| Depth (m)                     | 76.0  | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 | 76.6 | 76.7 | 76.8 | 76.9 | 77.0 |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; font-family: cursive;">core lost</span> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |      |      |      |      |      |      |
| Color                         |   |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |   |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |      |      |      |      |      |      |



# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 78.0 | 78.1 | 78.2 | 78.3 | 78.4 | 78.5                   | 78.6 | 78.7             | 78.8 | 78.9  | 79.0 |
|-------------------------------|------|------|------|------|------|------------------------|------|------------------|------|-------|------|
| Lithological Structure Sketch | X    |      |      |      |      |                        |      |                  |      |       |      |
| Lithological Symbol           |      |      |      |      |      |                        |      |                  |      |       |      |
| Color                         |      |      |      |      |      |                        |      |                  |      |       |      |
| Soil Description              |      |      |      |      |      |                        |      |                  |      |       |      |
| Labo. Sampling                |      |      |      |      |      |                        |      |                  |      |       |      |
| Sampling No.                  |      |      |      |      |      | 78.50                  |      | 7.5 YS /<br>gray |      | 79.00 |      |
|                               |      |      |      |      |      | 50                     |      | mica rich        |      | f-m.s |      |
|                               |      |      |      |      |      | GeJK-1-26 (1.28 mg/kg) |      |                  |      |       |      |



# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
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 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 79.0   | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0 |
|-------------------------------|--|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch | <div style="position: relative; height: 100%; width: 100%;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; transform: rotate(45deg); transform-origin: center;">X</span> <div style="position: absolute; top: 50%; left: 30%; transform: translate(-50%, -50%);">core</div> <div style="position: absolute; top: 50%; left: 60%; transform: translate(-50%, -50%);">lost</div> </div> |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |  |      |      |      |      |      |      |      |      |      |      |
| Color                         |  |      |      |      |      |      |      |      |      |      |      |
| Soil Description              |  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |  |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |  |      |      |      |      |      |      |      |      |      |      |



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Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 81.0 | 81.1 | 81.2 | 81.3 | 81.4 | 81.5      | 81.6 | 81.7 | 81.8 | 81.9 | 82.0      |                 |     |  |
|-------------------------------|------|------|------|------|------|-----------|------|------|------|------|-----------|-----------------|-----|--|
| Lithological Structure Sketch | X    |      |      |      |      |           |      |      |      |      |           |                 |     |  |
| Lithological Symbol           |      |      |      |      |      |           |      |      |      |      |           |                 |     |  |
| Color                         |      |      |      |      |      |           |      |      |      |      |           | 7.5YS/1<br>gray |     |  |
| Soil Description              |      |      |      |      |      | core lost |      |      |      | 45   | mica rich |                 | f-5 |  |
| Labo. Sampling                |      |      |      |      |      |           |      |      |      |      |           |                 |     |  |
| Sampling No.                  |      |      |      |      |      |           |      |      |      |      |           |                 |     |  |

# Core Sample Record (JICA Study Team)

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FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suennaga

| Depth (m)                     | 82.0 | 82.1 | 82.2      | 82.3                   | 82.4              | 82.5 | 82.6 | 82.7  | 82.8 | 82.9      | 83.0 |
|-------------------------------|------|------|-----------|------------------------|-------------------|------|------|-------|------|-----------|------|
| Lithological Structure Sketch |      |      |           |                        |                   |      |      |       |      |           |      |
| Lithological Symbol           |      |      |           |                        |                   |      |      |       |      |           |      |
| Color                         |      |      |           |                        | 2.5 Y 5/1<br>gray |      |      |       |      |           |      |
| Soil Description              |      |      | mica rich |                        | f.s               |      |      |       | 85   | core lost |      |
| Labo. Sampling                |      |      |           | 82.20                  |                   |      |      | 82.70 |      |           |      |
| Sampling No.                  |      |      |           | GeJK-1-27 (1.05 mg/kg) |                   |      |      |       |      |           |      |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21, June, 2001  
 Core recorder Sueraga

| Depth (m)                     | 83.0 | 83.1      | 83.2 | 83.3 | 83.4              | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 |
|-------------------------------|------|-----------|------|------|-------------------|------|------|------|------|------|------|
| Lithological Structure Sketch |      |           |      |      |                   |      |      |      |      |      |      |
| Lithological Symbol           |      |           |      |      |                   |      |      |      |      |      |      |
| Color                         |      |           |      |      | 7.5 Y 5/1<br>7.7m |      |      |      |      |      |      |
| Soil Description              |      | mica rich |      |      | f-5               |      |      |      |      |      |      |
| Labo. Sampling                |      |           |      |      |                   |      |      |      |      |      |      |
| Sampling No.                  |      |           |      |      |                   |      |      |      |      |      |      |

83.33-34 light redish laminae (heavy mineral)



# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder S. Venuga

| Depth (m)                     | 85.0             | 85.1 | 85.2 | 85.3 | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 |      |      |  |  |  |
|-------------------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|
| Lithological Structure Sketch | [Dotted pattern] |      |      |      |      | X    |      |      |      |      |      |      |      |  |  |  |
| Lithological Symbol           |                  |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| Color                         | 7.5Y5/1<br>gray  |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| Soil Description              | mica rich        | f-s  |      |      | 50   |      |      |      |      |      |      | core | lost |  |  |  |
| Labo. Sampling                |                  |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| Sampling No.                  |                  |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |

# Core Sample Record (JICA Study Team)

Sheet No. 87

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 86.0 | 86.1 | 86.2 | 86.3 | 86.4 | 86.5             | 86.6                  | 86.7 | 86.8 | 86.9 | 87.0  |
|-------------------------------|------|------|------|------|------|------------------|-----------------------|------|------|------|-------|
| Lithological Structure Sketch |      |      |      |      |      |                  |                       |      |      |      |       |
| Lithological Symbol           |      |      |      |      |      |                  |                       |      |      |      |       |
| Color                         |      |      |      |      |      | 2.5Y 5/1<br>gray |                       |      |      |      |       |
| Soil Description              |      |      |      |      |      | f.s              |                       |      |      |      |       |
| Labo. Sampling                |      |      |      |      |      |                  | 86.50                 |      |      |      | 87.00 |
| Sampling No.                  |      |      |      |      |      |                  | GeJK-1-28 (110 mg/kg) |      |      |      |       |



# Core Sample Record (JICA Study Team)

Sheet No. 88

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8  | 87.9 | 88.0            |                  |     |  |
|-------------------------------|------|------|------|------|------|------|------|------|-------|------|-----------------|------------------|-----|--|
| Lithological Structure Sketch | X    |      |      |      |      |      |      |      |       |      |                 |                  |     |  |
| Lithological Symbol           |      |      |      |      |      |      |      |      |       |      |                 |                  |     |  |
| Color                         |      |      |      |      |      |      |      |      |       |      |                 | 7.5 YS/1<br>gray |     |  |
| Soil Description              |      |      |      |      |      | core |      |      | loess |      | 50<br>mica rich |                  | f.s |  |
| Labo. Sampling                |      |      |      |      |      |      |      |      |       |      |                 |                  |     |  |
| Sampling No.                  |      |      |      |      |      |      |      |      |       |      |                 |                  |     |  |
|                               |      |      |      |      |      |      |      |      |       |      |                 |                  |     |  |

# Core Sample Record (JICA Study Team)

Sheet No. 89

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 21 / June / 2002  
 Core recorder Suenaga

| Depth (m)                     | 88.0              | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 |
|-------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|
| Lithological Structure Sketch |                   |      |      |      |      |      |      |      |      |      |      |
| Lithological Symbol           |                   |      |      |      |      |      |      |      |      |      |      |
| Color                         | 7.5 Y 5/1<br>gray |      |      |      |      |      |      |      |      |      |      |
| Soil Description              | mica rich<br>f-5  |      |      |      |      |      |      |      |      |      |      |
| Labo. Sampling                |                   |      |      |      |      |      |      |      |      |      |      |
| Sampling No.                  |                   |      |      |      |      |      |      |      |      |      |      |



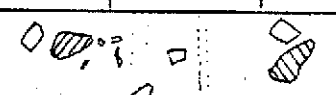
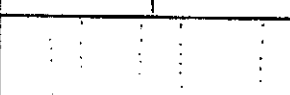
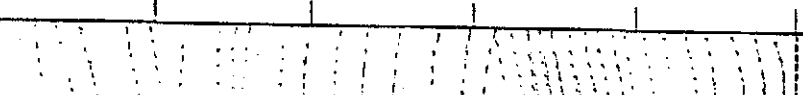
# Core Sample Record (JICA Study Team)

Sheet No. 91

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 90.0   | 90.1 | 90.2   | 90.3 | 90.4  | 90.5 | 90.6 | 90.7           | 90.8 | 90.9 | 91.0 |
|-------------------------------|--|------|--|------|---|------|------|----------------|------|------|------|
| Lithological Structure Sketch |   |      |  |      |  |      |      |                |      |      |      |
| Lithological Symbol           | ○ ○ ○ ○ ○<br>shell   |      |  |      |   |      |      |                |      |      |      |
| Color                         | 5Y5/2<br>grayish olive   |      | 2.5GY4/1<br>dark olive gray  |      | 2.5GY4/1<br>dark olive gray   |      |      | 10Y5/1<br>gray |      |      |      |
| Soil Description              | f-m.s 30<br>with pebbles (silt. hard. 1-1.5cm)<br>clay block (light greenish gray. 1-4cm)<br>90.07-11 shell fragment (1-2mm) |      | Silt 50  |      | alternation of Clayey Silt and V-f-s<br>(0.5-2cm : 0.4-1.5cm)                       |      |      |                |      |      |      |
| Labo. Sampling                |  |      |  |      |   |      |      |                |      |      |      |
| Sampling No.                  |  |      |  |      |   |      |      |                |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 92

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 91.0  | 91.1 | 91.2 | 91.3 | 91.4 | 91.5           | 91.6  | 91.7                        | 91.8 | 91.9  | 92.0           |  |
|-------------------------------|---|------|------|------|------|----------------|---|-----------------------------|------|-------|----------------|--|
| Lithological Structure Sketch |   |      |      |      |      |                |   |                             |      |       |                |  |
| Lithological Symbol           |   |      |      |      |      |                |   |                             |      |       |                |  |
| Color                         | 2.5GY4/1<br>dark olive gray                                     |      |      |      |      | 10Y5/1<br>gray |   | 2.5GY4/1<br>dark olive gray |      |       | 10Y5/1<br>gray |  |
| Soil Description              | alternation of clayey silt and V-f-s<br>(0.4-2.5cm : 0.2-1.5cm) |      |      |      |      | SS             | alternation of clayey silt and V-f-s<br>(0.2-0.5cm : 0.2-2.0cm) |                             |      |       |                |  |
| Labo. Sampling                |   |      |      |      |      |                | 91.60   |                             |      | 92.00 |                |  |
| Sampling No.                  |   |      |      |      |      |                | GeJK-1-29 (4.85mg/kg)   |                             |      |       |                |  |

# Core Sample Record (JICA Study Team)

Sheet No. 93

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 92.0  | 92.1 | 92.2                          | 92.3 | 92.4 | 92.5 | 92.6 | 92.7                              | 92.8 | 92.9 | 93.0 |
|-------------------------------|---|------|-------------------------------|------|------|------|------|-----------------------------------|------|------|------|
| Lithological Structure Sketch |   |      |                               |      |      |      |      |                                   |      |      |      |
| Lithological Symbol           |   |      |                               |      |      |      |      |                                   |      |      |      |
| Color                         | 2.5GY4/1<br>10Y5/1  |      | 2.5GY4/1<br>dark olive gray   |      |      |      |      | 10Y5/1<br>gray                    |      |      |      |
| Soil Description              | alteration of<br>Clayey Silt<br>and vf-f.S<br>(0.1-0.4 : 0.1-1.5cm) |      | alteration of clayey Silt and |      |      |      |      | vf-f.S<br>(0.2~2.0cm : 0.2~3.0cm) |      |      |      |
| Labo. Sampling                |   |      |                               |      |      |      |      |                                   |      |      |      |
| Sampling No.                  |   |      |                               |      |      |      |      |                                   |      |      |      |

# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 93.0   | 93.1 | 93.2 | 93.3 | 93.4   | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 |
|-------------------------------|--|------|------|------|--|------|------|------|------|------|------|
| Lithological Structure Sketch |  |      |      |      |  |      |      |      |      |      |      |
| Lithological Symbol           | _____  |      |      |      |  |      |      |      |      |      |      |
| Color                         | 2.5GY4/ 10Y5/1<br>dark olive gray gray                                 |      |      |      | 2.5GY4/ 10Y5/1<br>dark olive gray gray                           |      |      |      |      |      |      |
| Soil Description              | alternation of 23<br>Clayey Silt and Vf-f.S<br>(0.3~1.0cm : 0.6~1.5cm) |      |      |      | alternation of Clayey Silt and Vf-f.S<br>(0.2~1.2cm : 0.2~1.0cm) |      |      |      |      |      |      |
| Labo. Sampling                | _____  |      |      |      |  |      |      |      |      |      |      |
| Sampling No.                  | _____  |      |      |      |  |      |      |      |      |      |      |

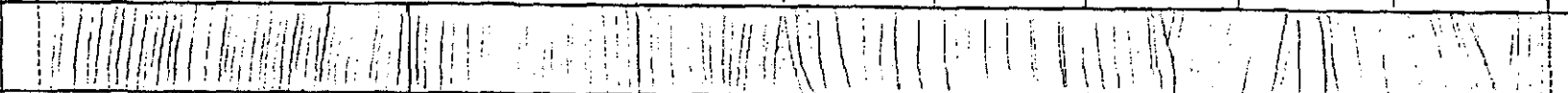
# Core Sample Record (JICA Study Team)

Sheet No. 95

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Sunaga

| Depth (m)                     | 94.0   | 94.1 | 94.2           | 94.3 | 94.4   | 94.5      | 94.6 | 94.7  | 94.8           | 94.9 | 95.0 |
|-------------------------------|--|------|----------------|------|--|-----------|------|-------|----------------|------|------|
| Lithological Structure Sketch |  |      |                |      |  |           |      |       |                |      |      |
| Lithological Symbol           |  |      |                |      |  |           |      |       |                |      |      |
| Color                         | 2.5GY4/1<br>dark olive gray  |      | 10Y5/1<br>gray |      | 2.5GY4/1<br>dark olive gray  |           |      |       | 10Y5/1<br>gray |      |      |
| Soil Description              | alternation of clayey silt and f.s.<br>(0.1-0.4 cm : 0.1-0.4cm)                    |      |                |      | alternation of clayey silt and f.s.<br>mica rich (0.1-0.5cm : 0.3-1.0cm) |           |      |       |                |      |      |
| Labo. Sampling                |  |      |                |      |  | 94.40     |      | 94.80 |                |      |      |
| Sampling No.                  |  |      |                |      |  | GeJK-1-30 |      |       |                |      |      |

(13.26 mg/kg)



# Core Sample Record (JICA Study Team)

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 95.0                           | 95.1 | 95.2  | 95.3 | 95.4 | 95.5            | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 |
|-------------------------------|--------------------------------|------|---|------|------|-----------------|------|------|------|------|------|
| Lithological Structure Sketch | [Vertical line pattern sketch] |      |   |      |      |                 |      |      |      |      |      |
| Lithological Symbol           |                                |      |   |      |      |                 |      |      |      |      |      |
| Color                         | 2.5GY 4/1<br>dark olive gray   |      |   |      |      | 10Y 5/1<br>gray |      |      |      |      |      |
| Soil Description              | mica rich                      |      | alteration of Silt and f.s<br>(0.1~0.5cm ; 0.2~1.0cm) |      |      |                 |      |      |      |      |      |
| Labo. Sampling                |                                |      |   |      |      |                 |      |      |      |      |      |
| Sampling No.                  |                                |      |   |      |      |                 |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. 97

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2002  
 Core recorder Suenaga

| Depth (m)                     | 96.0   | 96.1 | 96.2 | 96.3 | 96.4 | 96.5 | 96.6                 | 96.7 | 96.8 | 96.9 | 97.0 |  |
|-------------------------------|--|------|------|------|------|------|----------------------|------|------|------|------|--|
| Lithological Structure Sketch |  |      |      |      |      |      |                      |      |      |      |      |  |
| Lithological Symbol           |  |      |      |      |      |      |                      |      |      |      |      |  |
| Color                         | 2.5GY 4/1<br>dark olive gray                                       |      |      |      |      |      |                      |      |      |      |      |  |
| Soil Description              | alternation of Clayey Silt and v.f. f.s<br>(0.2~1.5cm : 0.2~1.5cm) |      |      |      |      |      |                      |      |      |      |      |  |
| Labo. Sampling                |  |      |      |      |      |      | 96.60                |      |      |      |      |  |
| Sampling No.                  |  |      |      |      |      |      | GeJK-1-31 (570mg/kg) |      |      |      |      |  |

# Core Sample Record (JICA Study Team)

Sheet No. 98

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 97.0  | 97.1 | 97.2 | 97.3 | 97.4 | 97.5  | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 |
|-------------------------------|---|------|------|------|------|---|------|------|------|------|------|
| Lithological Structure Sketch |   |      |      |      |      |   |      |      |      |      |      |
| Lithological Symbol           |   |      |      |      |      |   |      |      |      |      |      |
| Color                         | 2.5GY 4/1<br>dark olive gray  |      |      |      |      | 10Y 5/1<br>gray   |      |      |      |      |      |
| Soil Description              | alternation of Clayey Silt and V-f.S <sup>50</sup><br>(0.5-2.0cm : 1-3cm) |      |      |      |      | alternation of Clayey Silt and V-f.S<br>(0.2-1.0cm : 0.2-1.0cm) |      |      |      |      |      |
| Labo. Sampling                |   |      |      |      |      |   |      |      |      |      |      |
| Sampling No.                  |   |      |      |      |      |   |      |      |      |      |      |

# Core Sample Record (JICA Study Team)

Sheet No. ৩৩

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS  
FOR SAFE DRINKING WATER SUPPLY TO ARSENIC AFFECTED AREAS IN WESTERN BANGLADESH

Thana Keshabpur  
 Union Panjia  
 Mouza Rajnagar Bankabarsi  
 Location \_\_\_\_\_

Drilling No. GeJK-1  
 Date 23 / June / 2001  
 Core recorder Suenaga

| Depth (m)                     | 98.0   | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 | 98.6                 | 98.7 | 98.8  | 98.9 | 99.0 |
|-------------------------------|--|------|------|------|------|------|----------------------|------|-------|------|------|
| Lithological Structure Sketch |  |      |      |      |      |      |                      |      |       |      |      |
| Lithological Symbol           |  |      |      |      |      |      |                      |      |       |      |      |
| Color                         | 2.5GY 4/1      10Y5/1<br>dark olive gray      gray                                   |      |      |      |      |      |                      |      |       |      |      |
| Soil Description              | mica rich      alternation of clayey silt and VF-f.5<br>(0.1~0.5cm :      0.1~1.0cm) |      |      |      |      |      |                      |      |       |      |      |
| Labo. Sampling                |  |      |      |      |      |      | 98.60                |      | 99.00 |      |      |
| Sampling No.                  |  |      |      |      |      |      | GeJK-1-32 (536mg/kg) |      |       |      |      |