

Core Sample Record (JICA Study Team)

Sheet No. 100

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)	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray					10Y 5/1 gray					
Soil Description	alternation of clayey silt and v.f.f.s ⁴⁰ (0.2-1.0cm : 0.2-1.0cm)					mica rich alternation of clayey silt and v.f.f.s (0.1-0.8cm : 0.1-0.8cm)					
Labo. Sampling											
Sampling No.											

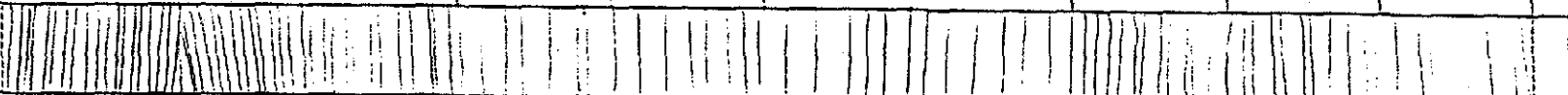
Core Sample Record (JICA Study Team)

Sheet No. 101

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)	100.0	100.1	100.2	100.3	100.4	100.5	100.6	100.7	100.8	100.9	101.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 10Y5/1 dark olive gray gray										
Soil Description	alternation of clayey silt and V-f-f S (0.1 ~ 1.5 cm : 0.2 ~ 1.5 cm)										
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 23 / June / 2001
 Core recorder Sumanaga

Depth (m)	101.0	101.1	101.2	101.3	101.4	101.5	101.6	101.7	101.8	101.9	102.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 10Y 5/1 dark olive gray gray										
Soil Description	alternation of clayey silt and vf-f.s (0.1-0.4 cm : 0.1-0.6 cm)										
Labo. Sampling	101.00					101.50					
Sampling No.	GeJK-1-33 (5.97 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)	102.0	102.1	102.2	102.3	102.4	102.5	102.6	102.7	102.8	102.9	103.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY4/1 dark olive gray					10Y5/1 gray					
Soil Description	alternation of clayey Silt and V-f.S ⁴⁵ (0.4-2.0cm : 0.2-1.5cm)					alternation of clayey Silt and V-f.S (0.2-0.4cm : 0.5-4cm)					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 104

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 Sumanza

Depth (m)	103.0	103.1	103.2	103.3	103.4	103.5	103.6	103.7	103.8	103.9	104.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5GY4/1 10Y5/1 dark olive gray gray											
Soil Description	alternation of clayey silt and vf-f.s (0.2 ~ 1.0 cm) : (0.2 ~ 1.0 cm)											
Labo. Sampling						103.50			104.00			
Sampling No.						GeJK-1-34						

(7.71 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)	104.0	104.1	104.2	104.3	104.4	104.5	104.6	104.7	104.8	104.9	105.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY4/1 10Y5/1 dark olive gray gray					2.5GY4/1 10Y5/1 dark olive gray gray					
Soil Description	alternation of Clayey Silt and Vf-f.S 40 (0.5~1.5cm 0.2~1.0cm)					alternation of Clayey Silt and Vf-f.S (0.1~0.4cm : 0.2~1.5cm)					
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)	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0
Lithological Structure Sketch	[Diagonal hatching pattern]					[Vertical hatching pattern]					
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray					2.5GY 4/1 dark olive gray		10Y 5/1 gray			
Soil Description	Silty Vfs					50	alternation of Silt and Vfs (0.1-1cm : 0.1-1cm)				
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 107

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)	106.0	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.8	106.9	107.0	
Lithological Structure Sketch	[Dotted pattern sketch]											
Lithological Symbol	[Blank]											
Color	2.5GT 4/1 ~ 2.5GT 5/1 dark olive gray olive gray											
Soil Description	Silty VF-S											
Labo. Sampling							106.60		107.00			
Sampling No.							GeJK-1-35 (5.80mg/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)	107.0	107.1	107.2	107.3	107.4	107.5	107.6	107.7	107.8	107.9	108.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol											
Color	2.56Y 4/ ~ 2.56Y 5/ dark olive gray olive gray										
Soil Description	Silty v.f.s 80 core lost										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 109

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 Sueraya

Depth (m)	108.0	108.1	108.2	108.3	108.4	108.5	108.6	108.7	108.8	108.9	109.0						
Lithological Structure Sketch	X																
Lithological Symbol																	
Color						2.5GY 4/1 ~ 2.5GY 6/1 dark olive gray olive gray											
Soil Description						core lost						50 Silty V-f-s 108.50-52 } clay 58-62 }					
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 S. Khatun

Depth (m)	109.0	109.1	109.2	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol	[Blank]										
Color	2.5GY 4/1 dark olive gray										
Soil Description	Silty v.f.s										
Labo. Sampling	109.00					109.50					
Sampling No.	GeJK-1-36 (5.61 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 Panja
 Mouza Rajnagar Bankabarsi
 Location _____

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

Depth (m)	110.0	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	Silty v-f-s										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 112

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)	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.7	111.8	111.9	112.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol	[Blank]										
Color	2.5GY 4/1 dark olive gray										
Soil Description	Silty VF-S										
Labo. Sampling						111.50			112.00		
Sampling No.						GeJK-1-37(5.88mg/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)	112.0	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0
Lithological Structure Sketch	[Vertical dashed lines indicating structure]										
Lithological Symbol	[Vertical dashed lines indicating symbol]										
Color	2.5GY 4/1 dark olive gray										
Soil Description	112.28~31 silt Silty VF-S										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 114

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)	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	113.8	113.9	114.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers across depths]											
Lithological Symbol	[Blank space for symbols]											
Color	2.5GY4/1 dark olive gray					2.5GY4/1 dark olive gray			10Y5/1 gray			
Soil Description	Silty vf s					50 alternation of clayey silt and vf-s (0.4~1.5cm ; 0.2~1.0cm)						
Labo. Sampling						113.50			114.00			
Sampling No.	GeJK-1-38 (7.06mg/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 Suenage

Depth (m)	114.0	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	alternation of Clayey Silt. and V.F.S (0.4 - 4cm : 0.2 - 1.5cm)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 116

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)	115.0	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 10 Y 5/1 dark olive gray gray										
Soil Description	alternation of Clayey Silt and V.S (0.2 ~ 1.5 cm : 0.2 ~ 1.0 cm)										
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)	116.0	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5G Y 4/1 dark olive gray										
Soil Description	10 Y 5/1 gray alternation of clayey silt and V-f-s										
Labo. Sampling	116.00					116.50					
Sampling No.	GeJK-1-39 (7.02 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)	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	10Y5/1 gray alternation of clayey silt and Vt-S										
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)	118.0	118.1	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	119.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	alternation of clayey silt and V-f-s										
Labo. Sampling						118.50			119.00		
Sampling No.	GeJK-1-40										

(7.76 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)	119.0	119.1	119.2	119.3	119.4	119.5	119.6	119.7	119.8	119.9	120.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	10Y5/1 gray alternation of clayey silt and V.S										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 121

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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	120.0	120.1	120.2	120.3	120.4	120.5	120.6	120.7	120.8	120.9	121.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GYS/1 10YS/1 olive gray gray										
Soil Description	alternation of Silt and V.F.S (0.2-1.5cm : 0.1-0.5cm)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 122

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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	121.0	121.1	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0
Lithological Structure Sketch	[Sketch: Dotted pattern]					[Sketch: Vertical lines]					
Lithological Symbol	[Symbol: Dotted pattern]					[Symbol: Vertical lines]					
Color	2.5GY5/1 olive gray					2.5GY5/1 olive gray		10Y5/1 gray			
Soil Description	Sandy Silt					50	alternation of Silt and V.F.S (0.5-1.5cm : 0.2-0.5cm)				
Labo. Sampling	121.00			121.50							
Sampling No.	GeJK-1-41 (780mg/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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	122.0	122.1	122.2	122.3	122.4	122.5	122.6	122.7	122.8	122.9	123.0
Lithological Structure Sketch	[Dotted pattern representing lithological structure]										
Lithological Symbol											
Color	2.5GY5/1 olive gray										
Soil Description	Sandy Silt										
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 24 / June / 2001
 Core recorder Suenuga

Depth (m)	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5GY5/1 olive gray											
Soil Description	alternation of Silt and V.F.S (0.2~1.0 cm : 0.1~0.5 cm)											
Labo. Sampling						123.50			124.00			
Sampling No.						GeJK-1-42 (5.52 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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	124,0	124,1	124,2	124,3	124,4	124,5	124,6	124,7	124,8	124,9	125,0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5G Y 5/1
 olive gray
 Sandy Silt

Core Sample Record (JICA Study Team)

Sheet No. 126

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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	125.0	125.1	125.2	125.3	125.4	125.5	125.6	125.7	125.8	125.9	126.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5GY 5/1
olive gray

Sandy Silt

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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	126.0	126.1	126.2	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	
Lithological Structure Sketch	[Vertical dashed lines representing a sketch]											
Lithological Symbol												
Color	2.5GY 5/1 olive gray											
Soil Description	Sandy Silt 126.30~60 with v.f.s thin layer											
Labo. Sampling							126.60		127.00			
Sampling No.							GeJK-1-43 (4.66 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 128

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 24 / June / 2001
 Core recorder Senaga

Depth (m)	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5GY S/1
olive gray

Sandy Silt

Core Sample Record (JICA Study Team)

Sheet No. 129

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 24, June, 2001
 Core recorder Suenaga

Depth (m)	128.0	128.1	128.2	128.3	128.4	128.5	128.6	128.7	128.8	128.9	129.0
Lithological Structure Sketch											
Lithological Symbol											
Color						2.56TS/1 olive gray					
Soil Description						Sandy Silt					
Labo. Sampling								128.60			129.00
Sampling No.											GeJK-1-44(4.65mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 130

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 24 / June / 2001
 Core recorder Suenaga

Depth (m)	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5GY5/1
 olive gray
 Sandy Silt

Core Sample Record (JICA Study Team)

Sheet No. 131

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	130.0	130.1	130.2	130.3	130.4	130.5	130.6	130.7	130.8	130.9	131.0
Lithological Structure Sketch	[Dotted pattern representing lithological structure]										
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 132

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	131.0	131.1	131.2	131.3	131.4	131.5	131.6	131.7	131.8	131.9	132.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 5/1 olive gray		2.5GY 5/1 olive gray			2.5GY 5/1 olive gray		10 Y 5/1 gray			
Soil Description	Sandy Silt		clayey Silt			45		alternation of Silt and V-f.f.S (0.2~0.6cm : 0.1~0.3cm)			
Labo. Sampling		131.08			131.45						
Sampling No.		GeJK-1-45 (4.57mg/kg)									

Core Sample Record (JICA Study Team)

Sheet No. 133

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	132.0	132.1	132.2	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0
Lithological Structure Sketch											
Lithological Symbol											
Color			2.5GYS/1 olive gray				2.5GYS/1 olive gray		2.5GYS/1 olive gray		
Soil Description			Sandy Silt		55	Silt		85	Sandy Silt		
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 134

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	133,0	133,1	133,2	133,3	133,4	133,5	133,6	133,7	133,8	133,9	134,0
Lithological Structure Sketch											
Lithological Symbol											
Color						2.5GT5/ olive gray					
Soil Description						Sandy Silt					
Labo. Sampling										133.60	134.00
Sampling No.										GeJK-1-46 (506mg/kg)	

Core Sample Record (JICA Study Team)

Sheet No. 135

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 25 / June / 2001
 Core recorder Sunaga

Depth (m)	134.0	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0
Lithological Structure Sketch	[Vertical dashed lines indicating stratigraphic layers]										
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 136

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0
Lithological Structure Sketch	[Dotted pattern representing lithological structure]										
Lithological Symbol											
Color	2.5G Y 5/1 olive gray										
Soil Description	Sandy Silt										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 137

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	136.0	136.1	136.2	136.3	136.4	136.5	136.6	136.7	136.8	137.0
Lithological Structure Sketch	[Dotted pattern for sketch]									
Lithological Symbol										
Color	2.56Y 5/1 slime gray									
Soil Description	Sandy Silt									
Labo. Sampling	136.00				136.40					
Sampling No.	GeJK-1-47 (6.39 mg/kg)									

Core Sample Record (JICA Study Team)

Sheet No. 138

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	137.0	137.1	137.2	137.3	137.4	137.5	137.6	137.7	137.8	137.9	138.0
Lithological Structure Sketch	[Dotted grid area for sketch]										
Lithological Symbol											
Color	2.5G Y 5/1 fine gray										
Soil Description	Sandy Silt 137.68-70 brown color										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 139

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	138.0	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0
Lithological Structure Sketch	[Dotted grid pattern]										
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt										
	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> 138.24 ~ 25 29 ~ 30 44 ~ 45 53 ~ 54 71 ~ 72 78 ~ 89 </div> <div style="font-size: 2em;">}</div> <div> brown color </div> </div>										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 140

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	139.0	139.1	139.2	139.3	139.4	139.5	139.6	139.7	139.8	139.9	140.0	
Lithological Structure Sketch	[Dotted grid for sketch]											
Lithological Symbol	[Blank for symbols]											
Color	2.5GY 5/1 olive gray			2.5GY 5/1 olive gray			2.5GY 5/1 olive gray					
Soil Description	Sandy Silt ³⁰ 139.16-17 } brown color 23-24 }			Silt ⁶³			Sandy Silt					
Labo. Sampling				139.30		139.63						
Sampling No.				GeJK-1-48								

(506 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 141

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	140.0	140.1	140.2	140.3	140.4	140.5	140.6	140.7	140.8	140.9	141.0
Lithological Structure Sketch	[Dotted grid pattern]										
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt										
	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> 140.41-42 62-64 67-68 94-95 </div> <div style="font-size: 2em;">}</div> <div> brown color </div> </div>										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 142

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	25 / June / 2001
Core recorder	Suenaga

Depth (m)	141.0	141.1	141.2	141.3	141.4	141.5	141.6	141.7	141.8	141.9	142.0
Lithological Structure Sketch											
Lithological Symbol											
Color						2.5GY 5/1					
Soil Description						Sandy Silt					
Labo. Sampling						141.40		141.80			
Sampling No.								GeJK-1-49(5'45mg/kg)			

141.09 ~ 10 }
44 ~ 45 } brown color
90 ~ 91 }

Core Sample Record (JICA Study Team)

Sheet No. 143

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	142.0	142.1	142.2	142.3	142.4	142.5	142.6	142.7	142.8	142.9	143.0
Lithological Structure Sketch	[Dotted pattern]					[Blank]		[Dotted pattern]			
Lithological Symbol						[Diagonal lines]					
Color	2.5GY 5/1 olive gray					2.5GY 4/1 dark olive gray		2.5GY 5/1 olive gray			
Soil Description	Sandy Silt 50 142.08-09 } brown color 22-23 }					Silty clay 72		Sandy Silt			
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 144

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	25 / June / 2001
Core recorder	Suenaga

Depth (m)	143.0	143.1	143.2	143.3	143.4	143.5	143.6	143.7	143.8	143.9	144.0
Lithological Structure Sketch	[Dotted pattern for sketch]										
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt										
	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> 143.15 ~ 16 60 ~ 61 69 ~ 70 </div> <div style="font-size: 2em;">}</div> <div> brown color </div> </div>										
Labo. Sampling						143.40		143.77			
Sampling No.						GeJK-1-50					

(5.89 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 145

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	144.0	144.1	144.2	144.3	144.4	144.5	144.6	144.7	144.8	144.9	145.0
Lithological Structure Sketch	[Dotted pattern representing lithological structure]										
Lithological Symbol											
Color	2.5G Y 5/1 olive gray										
Soil Description	144.04 - 05 } brown color 18 - 20 }				Sandy Silt 145.50 - 53 hard						
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 146

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 25 / June / 2001
 Core recorder Suenaga

Depth (m)	145.0	145.1	145.2	145.3	145.4	145.5	145.6	145.7	145.8	145.9	146.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers with various patterns]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]										
Color	2.5GY5/1 olive gray		2.5GY 4/1 dark olive gray			2.5GY 4/1 dark olive gray			2.5GY 4/1 dark olive gray		
Soil Description	Sandy Silt 24		Silty v-f-s 52			Clayey Silt 82			Sandy Silt		
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 147

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 25 / June / 2002
 Core recorder Suenaga

Depth (m)	146.0	146.1	146.2	146.3	146.4	146.5	146.6	146.7	146.8	146.9	147.0
Lithological Structure Sketch	[Dotted pattern representing lithological structure]										
Lithological Symbol	[Blank space for symbols]										
Color	2.5GY4/1 dark olive gray									2.5GY4/1 10Y5/1	
Soil Description	Sandy Silt									90 alternation of Silt and Vf.S (0.1-0.8 : 0.1-0.3 cm)	
Labo. Sampling	146.00				146.40						
Sampling No.	GeJK-1-51 (6.80 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 148

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 25 / June / 2001
 Core recorder Sunarya

Depth (m)	147.0	147.1	147.2	147.3	147.4	147.5	147.6	147.7	147.8	147.9	148.0
Lithological Structure Sketch	[Vertical line pattern sketch]					[Vertical line pattern sketch]					
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray					10Y5/1 gray	2.5GY 4/1 dark olive gray				
Soil Description	alteration of Silt and VF-S (0.2~1.0cm : 0.1~0.4cm)					SS	Sandy Silt				
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 149

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 25 / June / 2001
 Core recorder Sueniga

Depth (m)	146.0	146.1	148.2	148.3	148.4	148.5	148.6	148.7	148.8	148.9	149.0
Lithological Structure Sketch	[Sketch area with vertical lines]										
Lithological Symbol											
Color	2.5GY 5/1 olin gray					2.5GY 4/1 dark olin gray					
Soil Description	Silt 40					Sandy Silt					
Labo. Sampling	148.00				148.40						
Sampling No.	GeJK-1-52 (7.37mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 150

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 25 / June / 2001
 Core recorder Susoga

Depth (m)	149.0	149.1	149.2	149.3	149.4	149.5	149.6	149.7	149.8	149.9	150.0
Lithological Structure Sketch	[Dotted grid for sketch]										
Lithological Symbol	[Blank for symbol]										
Color	2.5GY 4/1 dark olive gray										
Soil Description	Sandy Silt										
Labo. Sampling	[Blank for labo. sampling]										
Sampling No.	[Blank for sampling no.]										

Core Sample Record (JICA Study Team)

Sheet No. 151

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 27 / June / 2001
 Core recorder Suenoga

Depth (m)	150.0	150.1	150.2	150.3	150.4	150.5	150.6	150.7	150.8	150.9	151.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol	[Blank]										
Color	2.5GY 5/1 olive gray						2.5GY 5/1 olive gray				
Soil Description	Sandy Silt						70 Silty VF-S				
Labo. Sampling	[Blank]										
Sampling No.	[Blank]										

Core Sample Record (JICA Study Team)

Sheet No. 152

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 27 / June / 2001
 Core recorder Suenaga

Depth (m)	151.0	151.1	151.2	151.3	151.4	151.5	151.6	151.7	151.8	151.9	152.0	
Lithological Structure Sketch	[Dotted pattern sketch]											
Lithological Symbol	[Blank]											
Color	2.5GY 5/1 olive gray						2.5GY 5/1 olive gray					
Soil Description	Silty V.F.S						60	Sandy Silt				
Labo. Sampling	151.00				151.40							
Sampling No.	GeJK-1-53 (7.14 mg/kg)											

Core Sample Record (JICA Study Team)

Sheet No. 153

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	27 / June / 2001
Core recorder	Suenaga

Depth (m)	152.0	152.1	152.2	152.3	152.4	152.5	152.6	152.7	152.8	152.9	153.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 154

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 27 / June / 2001
 Core recorder Suenaga

Depth (m)	153,0	153,1	153,2	153,3	153,4	153,5	153,6	153,7	153,8	153,9	154,0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol	[Blank]										
Color	2.5GY5N olive gray										
Soil Description	Sandy Silt 80										
Labo. Sampling	[Blank]										
Sampling No.	[Blank]										

Core Sample Record (JICA Study Team)

Sheet No. 155

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 27 / June / 2001
 Core recorder Suenaya

Depth (m)	154.0	154.1	154.2	154.3	154.4	154.5	154.6	154.7	154.8	154.9	155.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 5/1 olive gray					2.5GY 5/1 olive gray					
Soil Description	Silty H.S					40	Sandy Silt				
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 156

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 27 / June / 2001
 Core recorder Suenaga

Depth (m)	155.0	155.1	155.2	155.3	155.4	155.5	155.6	155.7	155.8	155.9	156.0
Lithological Structure Sketch	[Dotted pattern sketch area]										
Lithological Symbol											
Color	2.5GY5/1 olive gray					2.5GY5/1 olive gray					
Soil Description	Sandy Silt ³⁰					Silty V.F.S					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 157

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 27 / June / 2001
 Core recorder Suenaga

Depth (m)	156.0	156.1	156.2	156.3	156.4	156.5	156.6	156.7	156.8	156.9	157.0	
Lithological Structure Sketch	[Dotted pattern sketch]											
Lithological Symbol	[Vertical line symbol sketch]											
Color	2.5GY5/1 olive gray					2.5GY5/1 olive gray			2.5GY5/1 olive gray			
Soil Description	Silty VF-S					55	Sandy Silt ⁷⁰			Silty VF-S		
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 158

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 27 / June / 2001
 Core recorder Suenaga

Depth (m)	157.0	157.1	157.2	157.3	157.4	157.5	157.6	157.7	157.8	157.9	158.0
Lithological Structure Sketch	[Dotted grid pattern]										
Lithological Symbol											
Color	SGY 5/ olive gray										
Soil Description	Silty VF-S 157.20 ~ 25 Sandy Silt										
Labo. Sampling					157.30			157.70			
Sampling No.	GeJK-1-54 (269 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 159

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 27 / June / 2001
 Core recorder Svenega

Depth (m)	158.0	158.1	158.2	158.3	158.4	158.5	158.6	158.7	158.8	158.9	159.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 olive gray					5GY5/1 olive gray					
Soil Description	Sandy Silt ²⁵					Silty V.F.S					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 160

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 27 / June / 2001
 Core recorder Suenaga

Depth (m)	159.0	159.1	159.2	159.3	159.4	159.5	159.6	159.7	159.8	159.9	160.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

56Y5/1
olive gray

2.56Y5/1
olive gray

Silty Y.F.S

80

Sandy Silt

159.55-57 hard

Core Sample Record (JICA Study Team)

Sheet No. 161

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	160.0	160.1	160.2	160.3	160.4	160.5	160.6	160.7	160.8	160.9	161.0
Lithological Structure Sketch	[Dotted grid for sketch]										
Lithological Symbol	[Blank for symbols]										
Color	2.5GY5/1 olive gray						5GY5/1 olive gray				
Soil Description	Sandy Silt						60	Silty V.f.-S			
Labo. Sampling	[Blank for lab sampling info]										
Sampling No.	[Blank for sampling number]										

Core Sample Record (JICA Study Team)

Sheet No. 162

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 28 / June / 2001
 Core recorder Sulenaga

Depth (m)	161.0	161.1	161.2	161.3	161.4	161.5	161.6	161.7	161.8	161.9	162.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil profiles across depths]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]										
Color	5GY 5/1 olive gray			2.5GY 5/1 olive gray		10Y 5/1 gray		2.5GY 5/1 olive gray		10Y 5/1 gray	
Soil Description	Silty Yf.S 161.13~14 Silt			Silt 30		Yf.S 66		Silt 75		Yf.S	
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 163

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 28 / June / 2001
 Core recorder Sunaga

Depth (m)	162.0	162.1	162.2	162.3	162.4	162.5	162.6	162.7	162.8	162.9	163.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol	[Symbol sketch]										
Color	10 Y 5/1 gray	2.5 GY 5/1 olive gray			10 Y 5/1 gray			5 GY 5/1 olive gray			2.5 GY 5/1 olive gray
Soil Description	Yf.S ⁸	Sandy Silt ²⁸			Yf.S ⁵²			Silty Yf.S ⁹⁵			Sandy Silt
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 164

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	163.0	163.1	163.2	163.3	163.4	163.5	163.6	163.7	163.8	163.9	164.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 olive gray					10Y5/1 gray		2.5GY5/1 olive gray		10Y5/1 gray	
Soil Description	Sandy Silt					54 Vf.S 163.57-59 Silt block (hard. 1-2cm)		66 Silt 75		81 Vf.S Sandy Silt 169.96-98 Vf.S	
Labo. Sampling	163.00				163.40						
Sampling No.	GeJK-1-55 (9.20mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 165

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	164.0	164.1	164.2	164.3	164.4	164.5	164.6	164.7	164.8	164.9	165.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.56Y5/1
olive gray

Sandy Silt

164.91~95 Vfs

Core Sample Record (JICA Study Team)

Sheet No. 166

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	165.0	165.1	165.2	165.3	165.4	165.5	165.6	165.7	165.8	165.9	166.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 5/1 olive gray						5GY 5/1 olive gray				
Soil Description	Sandy Silt						62	Silty Yf-S			96 Silt
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 167

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	166.0	166.1	166.2	166.3	166.4	166.5	166.6	166.7	166.8	166.9	167.0
Lithological Structure Sketch			[Dotted pattern]				[Dotted pattern]				
Lithological Symbol	[Vertical lines]						[Vertical lines]				
Color	7.5 Y 5/2 grayish olive		5GY 5/1 olive gray				2.5GY 5/1 olive gray				
Soil Description	Silt 17		Silty Yf.S 52				Sandy Silt 166.83-85 Yf.S				
Labo. Sampling			166.20		166.50						
Sampling No.			GeJK-1-56								

(6.98 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 168

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	167.0	167.1	167.2	167.3	167.4	167.5	167.6	167.7	167.8	167.9	168.0		
Lithological Structure Sketch	[Dotted grid for sketching]												
Lithological Symbol	[Hand-drawn symbols for lithology]												
Color	2.5GY 5/1 olive gray				2.5Y 5/2 grayish olive		2.5GY 5/2	2.5Y 5/2	2.5GY 5/2	2.5GY 5/1 olive gray			
Soil Description	167.45-55 } silt 60-65 }				Sandy Silt					70	Silty V.F.S		
Labo. Sampling													
Sampling No.													

Core Sample Record (JICA Study Team)

Sheet No. 169

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

Thana Keshabpur
 Union Panja
 Mouza Rajnagar Bankabarsi
 Location _____

Drilling No. GeJK-1
 Date 28 / June / 2001
 Core recorder Suenaga

Depth (m)	168.0	168.1	168.2	168.3	168.4	168.5	168.6	168.7	168.8	168.9	169.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	5GY 5/1 olive gray		1.5Y 5/2	2.5GY 5/1 olive gray		7.5Y 5/2 grayish olive	7.5Y 5/2 grayish olive		10Y 5/1 gray			
Soil Description	Silty V.F.S		²⁰ Silt	²³ Silt	³⁶ Sandy Silt		⁴¹ Silt	alternation of Silt and V.F.S (0.2-0.6 cm : 0.2-1.5 cm)				
Labo. Sampling							168.60		169.00			
Sampling No.							GeJK-1-57 (6.87 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 170

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 28 / June / 2001
 Core recorder Suenaga

Depth (m)	169.0	169.1	169.2	169.3	169.4	169.5	169.6	169.7	169.8	169.9	170.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol	[Symbol sketch]										
Color	5GY 5/1 olive gray										
Soil Description	Silty VF-S 169.34~35 } silt 169.77~79 }										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 171

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 30 / June / 2001
 Core recorder Suenoga

Depth (m)	170.0	170.1	170.2	170.3	170.4	170.5	170.6	170.7	170.8	170.9	171.0		
Lithological Structure Sketch													
Lithological Symbol													
Color	10Y5/1 gray			~ 7.5Y5/2 grayish olive			2.5GY5/1 olive gray		10Y5/1 gray		2.5GY5/1 olive gray		10Y5/1 gray
Soil Description	Silty V.F.S ~ Sandy Silt 35			alternation of Silt and V.F.S 72 (0.2-0.6 cm : 0.2-0.5 cm)				alternation of Sandy Silt and V.F.S (0.2-0.4 cm : 0.2-2.0 cm)					
Labo. Sampling													
Sampling No.													

Core Sample Record (JICA Study Team)

Sheet No. 172

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 30 / June / 2001
 Core recorder Suenaga

Depth (m)	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	
Lithological Structure Sketch											
Lithological Symbol	(Blank)										
Color	10Y5/1 ~ 10Y7/1 gray light gray		5Y5/2 ~ 2.5GY5/1 pale olive olive gray					10Y5/1 gray			
Soil Description	Silty VF.S 15 ~ VF.S		171.22~23 hard silt (light gray)					alternation of Silt and VF.S (0.2-0.6cm : 0.2-1.0cm) 171.62-66 clay			
Labo. Sampling	(Blank)										
Sampling No.	(Blank)										

Core Sample Record (JICA Study Team)

Sheet No. 173

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 30 / June / 2001
 Core recorder Suenega

Depth (m)	172.0	172.1	172.2	172.3	172.4	172.5	172.6	172.7	172.8	172.9	173.0				
Lithological Structure Sketch								X							
Lithological Symbol															
Color	5YS/2 - 2.5GY5/1 grayish olive olive gray			10Y5/1 gray		2.5GY5/1 - 5YS/2 olive gray grayish olive									
Soil Description	alternation of Silt and V.f.S (0.4-1.0cm : 0.4-1.2cm)					50	Sandy Silt					core		lost	
Labo. Sampling															
Sampling No.															

Core Sample Record (JICA Study Team)

Sheet No. 174

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 30 / June / 2001
 Core recorder Suenaga

Depth (m)	173.0	173.1	173.2	173.3	173.4	173.5	173.6	173.7	173.8	173.9	174.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 ~ 5Y5/2 dine gray grayish dine			NS/ gray		2.5GY5/1 dine gray			10Y7/1 light gray		
Soil Description	Sandy Silt 23			30 clayey Silt		alternation of Silt and V.S (0.1-2.0cm : 0.1-0.4cm)					
Labo. Sampling							173.60			174.00	
Sampling No.							GeJK-1-58(8.96mg/kg)				

Core Sample Record (JICA Study Team)

Sheet No. 175

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 30 / June / 2001
 Core recorder Suenaga

Depth (m)	174.0	174.1	174.2	174.3	174.4	174.5	174.6	174.7	174.8	174.9	175.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 dine gray		10Y7/1 light gray			NS/ gray	2.5GY5/1 dine gray		10Y7/1 light gray		
Soil Description	alteration of Sandy Silt and Vf.S ⁵⁰ (0.5-3cm : 0.1-0.3cm)					55 clay	alteration of Sandy Silt and Vf.S (0.1-0.6cm : 0.1-0.3cm) 174.65-68 trace fossil				
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 176

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 30 / June / 2002
 Core recorder Suenaga

Depth (m)	175.0	175.1	175.2	175.3	175.4	175.5	175.6	175.7	175.8	175.9	176.0
Lithological Structure Sketch	[Hand-drawn lithological sketches for each depth interval]										
Lithological Symbol	[Hand-drawn lithological symbols for each depth interval]										
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt <div style="display: flex; justify-content: center; align-items: center;"> } 46-48 175.75-77 85-86 } clay (grayish olive) </div>										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 177

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 30 / June / 2001
 Core recorder Suenaga

Depth (m)	176.0	176.1	176.2	176.3	176.4	176.5	176.6	176.7	176.8	176.9	177.0
Lithological Structure Sketch	[Hand-drawn lithological sketch showing soil layers across depths]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketch]										
Color	2.5 GY 5/1 olive gray										
Soil Description	176.22~24 clay (grayish olive) Sandy Silt with thin v.f.s layer (0.1 cm light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 178

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 30 / June / 2001
 Core recorder Sueno ga.

Depth (m)	177.0	177.1	177.2	177.3	177.4	177.5	177.6	177.7	177.8	177.9	178.0
Lithological Structure Sketch	[Hand-drawn sketch of soil layers across the depth range]										
Lithological Symbol	[Hand-drawn symbols for soil layers]										
Color	2.5GY 5/1 olive gray										
Soil Description	177.00-03 Silty VF-S Sandy Silt with thin VF-S layer (0.1m. light gray)										
Labo. Sampling							177.60		178.00		
Sampling No.							GeJK-1-59 (7.40 mg/kg)				

Core Sample Record (JICA Study Team)

Sheet No. 179

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 30 / June / 2001
 Core recorder Suenaga

Depth (m)	178.0	178.1	178.2	178.3	178.4	178.5	178.6	178.7	178.8	178.9	179.0
Lithological Structure Sketch	[Dotted pattern sketch]										
Lithological Symbol											
Color	2.5GY 5/1 olive gray										
Soil Description	Sandy Silt with thin V-S layer (0.1m, light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 180

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 30 / June / 2001
 Core recorder Suenaga

Depth (m)	179.0	179.1	179.2	179.3	179.4	179.5	179.6	179.7	179.8	179.9	180.0
Lithological Structure Sketch	[Sketch area with vertical lines]										
Lithological Symbol											
Color	2.55YS/1 light gray										
Soil Description	Sandy Silt with thin V.F.S layer (0.1cm, light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 181

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 01 / July / 2001
 Core recorder Suenega

Depth (m)	180.0	180.1	180.2	180.3	180.4	180.5	180.6	180.7	180.8	180.9	181.0
Lithological Structure Sketch	[Dotted pattern representing lithology]										
Lithological Symbol	[Vertical lines representing lithology]										
Color	2.SGY 4/1 dark olive gray					2.SGY 5/1 ~ 2.SGY 4/1 olive gray dark olive gray					
Soil Description	180.56 ~ 61 silt (dark olive gray)					Sandy Silt with thin V/S layer (0.1cm. light gray)					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 182

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 01 / July / 2001
 Core recorder Suenaga

Depth (m)	181.0	181.1	181.2	181.3	181.4	181.5	181.6	181.7	181.8	181.9	182.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	181.45 ~ 49 Clayey Silt (1cm) Sandy Silt with thin v.f.s layer (0.1-0.2cm, light gray)										
Labo. Sampling	75 core lost										
Sampling No.	_____										

Core Sample Record (JICA Study Team)

Sheet No. 183

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 01 / July / 2001
 Core recorder Suenoga

Depth (m)	182.0	182.1	182.2	182.3	182.4	182.5	182.6	182.7	182.8	182.9	183.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing alternating layers of clay and silt]										
Lithological Symbol	[Hand-drawn lithological symbols for clay and silt layers]										
Color	5GY 4/1 light olive gray					2.5GY 4/1 dark olive gray					
Soil Description	alternation of clay & silt and Sandy Silt (2~25cm : 2~23cm) with thin v.f.s layer (0.1~0.2 light gray)										
Labo. Sampling						182.50	182.74				
Sampling No.						GeJK-1-60					

(7.79 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 184

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 01 / July / 2002
 Core recorder Suenoga

Depth (m)	183.0	183.1	183.2	183.3	183.4	183.5	183.6	183.7	183.8	183.9	184.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5GY 4/1 dark olive gray					2.5GY 4/1 dark olive gray					
Soil Description	alternation of clayey silt and (3 ~ 21cm : 13 ~ 38cm)					Sandy silt with thin V.S. layer (01 ~ 0.2cm, light gray)					
Labo. Sampling		183.10		183.40							
Sampling No.		GeJK-1-61 (325mg/kg)									

Core Sample Record (JICA Study Team)

Sheet No. 185

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 01 / July / 2001
 Core recorder Suenaga

Depth (m)	154.0	184.1	184.2	184.3	184.4	184.5	184.6	184.7	184.8	184.9	185.0
Lithological Structure Sketch	[Vertical dashed lines indicating stratigraphic boundaries]										
Lithological Symbol	[Diagonal hatching symbols for different soil layers]										
Color	5GY 4/1 dark olive gray										
Soil Description	2.5GY 4/1 dark olive gray alternation of clayey silt and sandy silt (2 ~ 15 cm : 5 ~ 17 cm) with thin V.S. layer (0.1 ~ 0.2 cm, light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 126

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 01 / July / 2001
 Core recorder Suenaga

Depth (m)	185.0	185.1	185.2	185.3	185.4	185.5	185.6	185.7	185.8	185.9	186.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5 GY 4/1
 down olive gray
 Sandy Silt with thin H.S layer (0.1cm light gray)

Core Sample Record (JICA Study Team)

Sheet No. 187

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 01 / July / 2001
 Core recorder Sultra

Depth (m)	186.0	186.1	186.2	186.3	186.4	186.5	186.6	186.7	186.8	186.9	187.0
Lithological Structure Sketch	[Sketch: Dotted pattern]					[Sketch: Vertical lines]					
Lithological Symbol	[Symbol: Dotted pattern]					[Symbol: Vertical lines]					
Color	2.5GY 4/1 dark olive gray					5GY 4/1 pink olive gray			10Y 5/1 gray		
Soil Description	Sandy Silt with thin 4.5 cm layer (0.1cm light gray) 46					alternation of Silt and V.F.S (0.2-2cm : 0.1-0.5cm)					
Labo. Sampling	186.00				186.40						
Sampling No.	GeJK-1-62 (2.01 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 122

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 01 / July / 2001
 Core recorder Suenaga

Depth (m)	1570	1571	1572	1573	1574	1575	1576	1577	1578	1579	1580	
Lithological Structure Sketch												
Lithological Symbol												
Color	5GY 4/1 10Y 6/1	2.5GY 4/1 dark olive gray				43	2.5GY 4/1 dark olive gray		10Y 5/1 gray	5GY 4/1 dark olive gray		
Soil Description	alt 6 Silt Vf-S	Sandy Silt				43	alternation of Silt and Vf-S (0.5 ~ 5 cm : 0.1 ~ 0.3 cm)		90	clayey Silt with thin Vf-S layer (0.1 cm light gray)		
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 129

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 01 / July / 2002
 Core recorder Sueraga

Depth (m)	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5GY 4/1 dark olive gray						5Y 5/1 gray			2.5GY 4/1 dark olive gray		
Soil Description	alternation of Silt and Vfs 75											
Labo. Sampling												
Sampling No.											188.75	189.00
	GeJK-1-63											

(570 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 191

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 Rainagar Bankabarsi
 Location _____

Drilling No. GeJK-1
 Date 01 / July / 2002
 Core recorder Susmita

Depth (m)	190.0	190.1	190.2	190.3	190.4	190.5	190.6	190.7	190.8	190.9	191.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers with various patterns and textures]											
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches above]											
Color	10Y5/1 gray			2.5GY5/1 olive gray		2.5GY 4/1 dark olive green			2.5GY5/1 olive gray		10Y4/1 gray	
Soil Description	Silty Yf.S			32 Sandy Silt		42 clayey Silt			80 sandy Silt		90 silty VF.S	
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 103

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 01 / July / 2009
 Core recorder Suenaga

Depth (m)	191.0	191.1	191.2	191.3	191.4	191.5	191.6	191.7	191.8	191.9	192.0	
Lithological Structure Sketch	[Sketches of lithological structures across depths]											
Lithological Symbol	[Lithological symbols across depths]											
Color	2.5GYS/1 olive gray			10YR 4/1 gray			2.5GYS/1 olive gray			5GY 4/1 dark olive gray		
Soil Description	Sandy Silt			30	Silty Y.F.S			37	Silt		95	Clayey Silt
Labo. Sampling												
Sampling No.												

191.45-46 } silt
63-67 }

Core Sample Record (JICA Study Team)

Sheet No. 193

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 01 / July / 2001
 Core recorder Suenaga

Depth (m)	192.0	192.1	192.2	192.3	192.4	192.5	192.6	192.7	192.8	192.9	193.0		
Lithological Structure Sketch													
Lithological Symbol													
Color	2.5GY5/1 olive gray		10Y6/2 olive gray		10Y5/1 gray								
Soil Description	Silty YF-S 192.10-18 silt		Silt 25		Silt 60		Silty YF-S 192.63-64 silt (hard, light gray)				192.90-93 94-95 98-99 } silt (olive gray)		
Labo. Sampling								192.65		192.90			
Sampling No.								GeJK-1-64					

(4.27 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 104

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

Thana Keshabpur
 Union Paniia
 Mouza Rainagar Bankabarsi
 Location _____

Drilling No. GeJK-1
 Date 01 / July / 2001
 Core recorder Suenaga

Depth (m)	193.0	193.1	193.2	193.3	193.4	193.5	193.6	193.7	193.8	193.9	194.0
Lithological Structure Sketch	[Sketches of lithological structures across depths]										
Lithological Symbol	[Lithological symbols across depths]										
Color	2.5 Y 5/1 olive gray		2.5 Y 5/2 ~ 2.5 GY 5/1 palest olive olive gray			2.5 Y 5/1 olive gray			2.5 Y 5/1 olive gray		
Soil Description	Sandy Silt ²⁰		Silt ⁵² 193.23-24 brown color			silty V-S ¹⁵			Sandy Silt		
Labo. Sampling			193.20		193.50						
Sampling No.	GeJK-1-65										

(1000 mg/kg)