

Core Sample Record (JICA Study Team)

Sheet No. 105

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)	194.0	194.1	194.2	194.3	194.4	194.5	194.6	194.7	194.8	194.9	195.0	
Lithological Structure Sketch	[Blank sketch area]											
Lithological Symbol	[Blank symbol area]											
Color	2.5T5/1 olive gray	10Y4/1 gray				49	53 black	10Y4/1 gray				
Soil Description	7 Sandy Silt	Silty V.F.-5 194.38-40 Sandy Silt					Silty hard	Silty V.F.-5				
Labo. Sampling	[Blank labo. sampling area]											
Sampling No.	[Blank sampling no. area]											

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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 Panija
 Mouza Rajnagar Bankabarsi
 Location _____

Drilling No. GeJK-1
 Date 02 / July / 2001
 Core recorder Susnaga

Depth (m)	195.0	195.1	195.2	195.3	195.4	195.5	195.6	195.7	195.8	195.9	196.0
Lithological Structure Sketch	(Sketches of soil layers are present but not clearly legible)										
Lithological Symbol	(Symbols for soil types are present but not clearly legible)										
Color	2.5GY 4/1 dark olive gray				2.5GY 5/1 olive gray			2.5GY 4/1 dark olive gray		10Y 9/1 gray	2.5GY 5/1 olive gray
Soil Description	Silty VFS ¹² 195.01-02 Silt block (in)				Sandy Silt	56		Silt	65	Silty VFS ⁹⁰	Silt
Labo. Sampling						195.50		195.85			
Sampling No.						GeJK-1-66					

(7.93 mg/kg)

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

Thana Keshabour
 Union Panjia
 Mouza Rajnagar Bankabarsi
 Location _____

Drilling No. GeJK-1
 Date 02 / July / 2001
 Core recorder Sulma

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											
Lithological Symbol											
Color	2.5GY 5/1 olive gray	2.5GY 4/1 dark olive gray				2.5GY 5/1 olive gray			2.5GY 4/1 dark olive gray		
Soil Description	Silt ¹⁰	Sandy Silt ³⁰				Silt		72	Sandy Silt		
Labo. Sampling											
Sampling No.											

196.37-38 }
 40-41 } f.5
 43-44 }

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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 02 / July / 2001
 Core recorder Sumantra

Depth (m)	197.0	197.1	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9	198.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers and textures across depths]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]										
Color	2.5GY4/ dark olive gray		2.5GY5/ olive gray		2.5GY4/ dark olive gray		10Y5/1 gray		2.5GY5/1 olive gray		
Soil Description	Sandy Silt ²⁰		Silt ³⁰		Sandy Silt ⁵⁰ 197.49~50 hard		Silty v.f.s ⁷³		Sandy Silt		
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 02 / July / 2001
 Core recorder Subhagra

Depth (m)	128.0	198.1	198.2	198.3	198.4	198.5	198.6	198.7	198.8	198.9	199.0
Lithological Structure Sketch	[Dotted pattern representing lithology]										
Lithological Symbol	[Hand-drawn lithological symbols]										
Color	2.5GY 5/1 fine gray					2.5GY 4/1 dark olive gray					
Soil Description	Sandy Silt					SS Silty V.F.S					
Labo. Sampling							198.60		199.00		
Sampling No.							GeJK-1-67 (556 mg/l)				

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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 02 / July / 2001
 Core recorder Suenaga

Depth (m)	199.0	199.1	199.2	199.3	199.4	199.5	199.6	199.7	199.8	199.9	200.0
Lithological Structure Sketch	[Faint lithological sketches across the depth range]										
Lithological Symbol	[Faint lithological symbols across the depth range]										
Color	2.5GY 4/1 olive gray	10Y 4/1 gray									
Soil Description	Sandy ⁶ Silt	Yf-S ²³			Silt ~ Sandy Silt			70		Sandy Silt	
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 03 / July / 2001
 Core recorder Suenaga

Depth (m)	200.0	200.1	200.2	200.3	200.4	200.5	200.6	200.7	200.8	200.9	201.0
Lithological Structure Sketch											
Lithological Symbol											
Color	7.5Y 5/2 grayish olive 10Y 5/1 gray										
Soil Description	alternation of Silt and V.F.S (0.2-9cm : 0.1-3cm)										
Labo. Sampling											
Sampling No.											

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Sheet No. 202

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 03 / July / 2001
 Core recorder Suenaga

Depth (m)	201.0	201.1	201.2	201.3	201.4	201.5	201.6	201.7	201.8	201.9	202.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers and textures]											
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]											
Color	10Y5/2 ~ 2.5GY5/1 dine gray			10Y4/1 gray	7.5Y5/2 grayish dine	10Y4/1 gray	7.5Y5/1 gray	10Y4/1 gray	10Y5/2 dine gray			
Soil Description	Sandy Silt 201.12~14 } Silt 19~22 }			29 vf-s ³⁵	43 Silt	59 vf-s	60 Silty vf-s	69 vf-s	Silt ~ Sandy Silt with thin vf-s layer (0.2m gray)			
Labo. Sampling									201.70	202.00		
Sampling No.									GeJK-1-68 (2001.03.03)			

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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 03 / July / 2001
 Core recorder Suenaga

Depth (m)	202.0	202.1	202.2	202.3	202.4	202.5	202.6	202.7	202.8	202.9	203.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5GY5/1 <i>olive gray</i>	2.5GY5/1 <i>olive gray</i>					7.5Y5/2 <i>grayish olive</i>	10Y4/1 <i>gray</i>				10Y4/1 <i>gray</i>
Soil Description	Silt "	Silty V-f.s	32	alternation of Silt and V-f.s (0.2 ~ 10cm : 0.1 ~ 1.5cm)				95	V-f.s			
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 03 / July / 2001
 Core recorder Suenaga

Depth (m)	203.0	203.1	203.2	203.3	203.4	203.5	203.6	203.7	203.8	203.9	204.0		
Lithological Structure Sketch													
Lithological Symbol													
Color	10Y4/1 gray						7.5Y5/2 grayish olive						10Y4/1 gray
Soil Description	VF-5 ⁷ 203.02-04 silt (hard)	alternation of Silt and VF 5											
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 03 / July / 2001
 Core recorder Suenaga

Depth (m)	204.0	204.1	204.2	204.3	204.4	204.5	204.6	204.7	204.8	204.9	205.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	10 Y 4/1 gray		7.5 Y 5 1/2 grayish olive		10 Y 4/1 gray		7.5 Y 5 1/2 grayish olive		2.5 G Y 7/1 dark olive gray			
Soil Description	VF.S ⁸	alternation of Silt and VF.S (1-8cm : 0.1-3cm)					50	silt ~ 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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	205.0	205.1	205.2	205.3	205.4	205.5	205.6	205.7	205.8	205.9	206.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches for each depth interval]											
Lithological Symbol	[Hand-drawn lithological symbols for each depth interval]											
Color	2.5GYS/1 lime gray				2.5GYS/1 lime gray			10YS/1 gray				
Soil Description	alternation of Silt and Sandy Silt 36 (1.5-8cm : 2-6cm)				alternation of 58 Sandy Silt and Silty V.F.S (3-10cm : 2-3cm)			Silty V.F.S 205.84-85 silt block (hard 1cm)				
Labo. Sampling							205.60			206.00		
Sampling No.	GeJK-1-69(571mg/kg)											

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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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	206.0	206.1	206.2	206.3	206.4	206.5	206.6	206.7	206.8	206.9	207.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10Y5/1 gray	10Y4/1 gray	2.5GY5/1 olive gray	10Y4/1 gray	10Y5/1 gray						2.5GY5/1 olive gray
Soil Description	Silty Vf.S ¹²	Vf.S ¹⁶	Silt ²¹	Vf.S ³⁰	Silty Vf.S	55	Silt ~ Sandy Silt			90	core lost
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 04 / July / 2001
 Core recorder Suenaya

Depth (m)	207.0	207.1	207.2	207.3	207.4	207.5	207.6	207.7	207.8	207.9	208.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p style="font-size: 2em; font-weight: bold;">X</p> <p>core</p> </div> <div style="text-align: center;"> <p style="font-size: 2em; font-weight: bold;">X</p> <p>lost</p> </div> </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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	208.0	208.1	208.2	208.3	208.4	208.5	208.6	208.7	208.8	208.9	209.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-around; align-items: center;"> core lost </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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	209.0	209.1	209.2	209.3	209.4	209.5	209.6	209.7	209.8	209.9	210.0	
Lithological Structure Sketch	[Sketches of lithological structure]											
Lithological Symbol	[Lithological symbols]											
Color	2.5GY 5/1 <i>olive gray</i>		10Y 4/1 <i>gray</i>		10YS/2 ~ 2.5GY 5/1 <i>olive gray</i>							
Soil Description	Silt ~ Sandy Silt ^P 209.15~16 VF-S		VF-S ²⁹		Silt ~ Sandy Silt 209.78~79 } VF-S 94~95 }							
Labo. Sampling					209.30			209.70				
Sampling No.					GeJK-1-70							

(5.94 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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	210.0	210.1	210.2	210.3	210.4	210.5	210.6	210.7	210.8	210.9	211.0
Lithological Structure Sketch						X core lost					
Lithological Symbol											
Color	2.5GY 5/1	2.5YS/1 grayish clay	10Y 5/1 gray	2.5YS/1 grayish clay	2.5GY 5/1 clay gray						
Soil Description	Silty 5 VF-S	Silt 15 VF-S	Silt 10 VF-S	Silt 30	Sandy Silt 45						
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 04 / July / 2001
 Core recorder Sunaga

Depth (m)	211.0	211.1	211.2	211.3	211.4	211.5	211.6	211.7	211.8	211.9	212.0
Lithological Structure Sketch	<div style="position: relative; height: 400px;"> X </div>										
Lithological Symbol											
Color											
Soil Description											
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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	212.0	212.1	212.2	212.3	212.4	212.5	212.6	212.7	212.8	212.9	213.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.56Y5/1
olive gray

10Y4/1
gray

10Y5/2
olive gray

Sandy Silt

80
Silty
VF-S

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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	213.0	213.1	213.2	213.3	213.4	213.5	213.6	213.7	213.8	213.9	214.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GYS 5/1					2.5GYS 1 olive gray					
Soil Description	Silt ⁵ VF.S					Silt - clayey Silt					
Labo. Sampling					213.30		213.70				
Sampling No.							GeJK-1-71				

(9.72 mg/l)

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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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	214.0	214.1	214.2	214.3	214.4	214.5	214.6	214.7	214.8	214.9	215.0
Lithological Structure Sketch				core lost							
Lithological Symbol				core lost		/ / / / / / / / / /					
Color	2.5GY 5/1 olive gray			core lost		2.5GY 5/1 olive gray			2.5GY 5/1 olive gray		10Y 4/1 gray
Soil Description	Silt 25			core lost		50 clayey Silt 75			Silt 90		Silty Vf-S
Labo. Sampling											
Sampling No.											

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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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	217.0	217.1	217.2	217.3	217.4	217.5	217.6	217.7	217.8	217.9	218.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	10Y 5/1 gray					2.5GY 5/1 olive gray			10Y 5/1 gray			
Soil Description	Silty V-F-S					50	alternation of Silt and Silty V-F-S					
Labo. Sampling												
Sampling No.												
	217.63-67 silt black (1-2cm. 2 layers)											

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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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	218.0	218.1	218.2	218.3	218.4	218.5	218.6	218.7	218.8	218.9	219.0
Lithological Structure Sketch	[Sketch area]										
Lithological Symbol	[Symbol area]										
Color	10Y5/1 gray					2.5GY5/1 10Y5/1 olive gray gray			10Y5/1 gray		
Soil Description	Silty VF-S 218.27-29.3 35-36 } silt					85 clayey silt ~ silt with thin VF-S layer (0.1-0.2cm. gray)			83 Silty VF-S		
Labo. Sampling											
Sampling No.											

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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 04 / July / 2001
 Core recorder Suenaga

Depth (m)	219.0	219.1	219.2	219.3	219.4	219.5	219.6	219.7	219.8	219.9	220.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10Y5/1 gray			10Y5/1 gray		2.5GY5/1 silty gray		10Y5/1 gray			
Soil Description	Vf-S 219.00~20 Silt block (1-3cm. gray)			3S Silty Vf-S 219.35~37 silt block (hard)		4X Sandy Silt		5S Vf-S 219.83~85 silt			
Labo. Sampling											
Sampling No.											

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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 07 / July / 2001
 Core recorder Suenaga

Depth (m)	220.0	220.1	220.2	220.3	220.4	220.5	220.6	220.7	220.8	220.9	221.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10Y5/1 pink					2.5GY5/1 olive gray			10Y5/1 gray		
Soil Description	Vf - f.s mica rich with silt block (1-3cm. olive gray) 220.32-39 bioturbation, trace fossil 39					Silt with f.s block 58			Vf - f.s mica rich with silt block (olive gray) 220.5-... trace fossil		
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	07 / July / 2001
Core recorder	Suenaga

Depth (m)	222.0	222.1	222.2	222.3	222.4	222.5	222.6	222.7	222.8	222.9	223.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10Y5/1 gray		~ 10Y6/1 gray			10Y5/1 gray			2.5G7.5/1 olive gray	10Y5/1 gray	
Soil Description	mica rich		Silty vf ~ vf.s			53	silt			84	silt with f.s. layers
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 224

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 07 / July / 2001
 Core recorder Sulnaga

Depth (m)	223.0	223.1	223.2	223.3	223.4	223.5	223.6	223.7	223.8	223.9	224.0	
Lithological Structure Sketch	[Sketch: mica rich silty clay]				[Sketch: silty clay]				<div style="font-size: 4em; opacity: 0.5;">X</div> core lost			
Lithological Symbol												
Color	10 Y 5/1 gray				2.5GY 5/1 ~ 10 Y 5/1 clay gray gray							
Soil Description	Vf - f.s mica rich 223.14 ~ 25 silt block (1-2cm. clay gray)				32 Silty Vf - Vf.s 70							
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 226

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	225.0	225.1	225.2	225.3	225.4	225.5	225.6	225.7	225.8	225.9	226.0	
Lithological Structure Sketch	[Blank sketch area]											
Lithological Symbol	[Blank symbol area]											
Color	7.5Y4/1 gray					10Y5/1 pink		7.5Y4/1 pink				
Soil Description	Sandy Silt ~ Silty VF.S					5%	VF.S		6%	Sandy Silt ~ Silty VF.S		
Labo. Sampling	225.00				225.40							
Sampling No.	GeJK-1- 74 (716 mg/kg)											

Core Sample Record (JICA Study Team)

Sheet No. 228

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 08 / July / 2001
 Core recorder Suenaqa

Depth (m)	227.0	227.1	227.2	227.3	227.4	227.5	227.6	227.7	227.8	227.9	228.0		
Lithological Structure Sketch													
Lithological Symbol													
Color	10Y 5/1	2.5Y 4/1 gray				10Y 5/1 gray		2.5G 5/1 olive gray			10Y 5/1 gray		
Soil Description	3 VFS	Silt 227.31-33 VF-S				35	VF-S		60	Silt with thin VF-S layer		90	VF-f-S silt block
Labo. Sampling													
Sampling No.													

Core Sample Record (JICA Study Team)

Sheet No. 229

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	228.0	228.1	228.2	228.3	228.4	228.5	228.6	228.7	228.8	228.9	229.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10 Y 5/1 gray		7.5 Y 4/1 gray			10 Y 4/1 gray			7.5 Y 4/1 gray		
Soil Description	vf - f.s 22 with silt block (grayed sil.) (1-5 cm)		Silt ~ Sandier Silt 43 Pebble (0.8, 0.6-1.0 cm) with f.s layer 228.38-39 Shell fragment (0.2 x 1 cm, white)			vf.s 70 with pebble (o.s. 1-1.5 cm) with silt block (1-5 cm) 228.59-61 Shell fragment (0.2 x 1.2 cm, white)			Silt with Pebble (mainly o.s. 0.6-2 cm) Silt, shell with f.s layer (arsenic) 228.87-88 Shell fragment (0.2 x 1.5 cm, white)		
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 230

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 08 / July / 2001
 Core recorder Suena

Depth (m)	229.0	229.1	229.2	229.3	229.4	229.5	229.6	229.7	229.8	229.9	230.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5Y4/1 gray		2.5Y4/1 ~ 5Y4/1 gray		10Y4/1 gray		10Y4/2 darker gray		10YR3/1 5Y4/1 brownish black gray		10Y5/1 gray
Soil Description	Silt with pebbles f-s block 14		f-m-s with pebbles (O.B. 0.5-4.5cm) silt block (0.5-2cm) 229.24-27 Sandy Silt 33		Silt 294.40-42 pebbles (O.B. 3cm) 294.60-62 Silty V-f-s		Silt 70		Pety Silt with pebbles 25		f-m-s Silt block max 11cm (silty black)
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 231

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 08 / July / 2001
 Core recorder Sunaga

Depth (m)	230.0	230.1	230.2	230.3	230.4	230.5	230.6	230.7	230.8	230.9	231.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10Y6/1 ~ 10Y5/1 gray										
Soil Description	m - C.P with silt block (grayish olive 1-4cm) 230.02-03 pebble (1cm) 230.55-59 peaty silt block (5cm. brownish black)										
Labo. Sampling	68 78										
Sampling No.	core lost										

Core Sample Record (JICA Study Team)

Sheet No. 232

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	231.0	231.1	231.2	231.3	231.4	231.5	231.6	231.7	231.8	231.9	232.0
Lithological Structure Sketch					<div style="font-size: 4em; opacity: 0.5;">X</div> Core lost						
Lithological Symbol											
Color	7.5 Y 5/1 gray										
Soil Description	Silt with thin Y.F.S layer ⁴⁰ 231.09-12 pebble (o.a. 0.6-3cm) 231.35-40 hard.										
Labo. Sampling	231.00		231.35								
Sampling No.	GeJK-1-75 (9.52 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 233

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	232.0	232.1	232.2	232.3	232.4	232.5	232.6	232.7	232.8	232.9	233.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

core

loot

10Y5/1
gray

7.5Y5/1
gray

50
Silty Vfs 70

Sandy Silt

Core Sample Record (JICA Study Team)

Sheet No. 234

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	233.0	233.1	233.2	233.3	233.4	233.5	233.6	233.7	233.8	233.9	234.0
Lithological Structure Sketch											
Lithological Symbol											
Color	7.5Y5/1 gray					10Y5/1 gray					
Soil Description	Sandy Silt					Silty Y.F.S					
Labo. Sampling						233.40		233.80			
Sampling No.						GeJK-1-76 (5.59 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 236

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	235.0	235.1	235.2	235.3	235.4	235.5	235.6	235.7	235.8	235.9	236.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers across the depth profile]											
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]											
Color	7.5 Y 5/1 gray					7.5 Y 5/1 gray		10 Y 5/1 gray				
Soil Description	Silty V.F.S. ²²		alternation of silt and silty V.F.S. (3~18cm : 1~4cm)									
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 238

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	237.0	237.1	237.2	237.3	237.4	237.5	237.6	237.7	237.8	237.9	238.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	10Y5/1 gray		7.5Y4/1 gray				10Y5/1 gray		7.5Y4/1 gray		10Y5/1 gray	
Soil Description	VF-5 18		alternation of Silt and VF-5 (0.5-4cm : 0.8-12cm)				72		Sandy Silt with thin VF-5 layer 91		Silty VF-5	
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 239

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	238.0	238.1	238.2	238.3	238.4	238.5	238.6	238.7	238.8	238.9	239.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing alternating silt and silty V.F.S. layers]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]										
Color	2.5GY 4/1 dark olive gray										
Soil Description	10Y 5/1 gray alternation of Silt ~ Sandy Silt and Silty V.F.S ~ V.F.S (0.8 ~ 9 cm : 1 ~ 7 cm)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 240

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 08 / July / 2001
 Core recorder Suenaga

Depth (m)	239.0	239.1	239.2	239.3	239.4	239.5	239.6	239.7	239.8	239.9	240.0	
Lithological Structure Sketch	[Sketch area with vertical lines representing stratification]											
Lithological Symbol	[Symbolic representation of lithology]											
Color	10Y 5/1 ~ 10Y 4/1 gray			2.5GY 5/1 olive gray				10Y 5/1 ~ 10Y 4/1 gray				
Soil Description	silty YF ~ VF-5			Silt				65 Silty VF ~ VF-5				
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 241

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	09 / July / 2001
Core recorder	Subnaga

Depth (m)	240.0	240.1	240.2	240.3	240.4	240.5	240.6	240.7	240.8	240.9	241.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches across the depth columns]											
Lithological Symbol												
Color	2.5GY 5/1 olive grey											
Soil Description	Silt ~ Sandy Silt with thin Y-S layer (0.1-0.5 cm, light grey)											
Labo. Sampling							240.60		241.00			
Sampling No.							GeJK-1-78					

(2.56 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 242

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 09 / July / 2001
 Core recorder Suenaga

Depth (m)	241.0	241.1	241.2	241.3	241.4	241.5	241.6	241.7	241.8	241.9	242.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 5/1 olive gray			10Y 5/1 gray			2.5GY 5/1 olive gray				
Soil Description	alternation of Silt ~ Sandy Silt and VF-S (0.3 ~ 7cm : 0.3 ~ 2cm)			3S			Silt ~ Sandy Silt with thin VF-S layer (0.1 ~ 0.3cm, light gray)				
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 243

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 09 / July / 2001
 Core recorder Sumanaya

Depth (m)	242.0	242.1	242.2	242.3	242.4	242.5	242.6	242.7	242.8	242.9	243.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY4/1 dark olive gray		10Y5/1 ~ 10Y4/1 gray			2.5GY4/1 ~ 2.5GY5/1 dark olive gray olive gray					
Soil Description	Sandy Silt ¹⁰		Silty VF.S ³¹			Silt ~ Sandy Silt with thin VF.S layer (0.3-3cm, light gray)					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 244

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 09 / July / 2001
 Core recorder Suenaga

Depth (m)	243.0	243.1	243.2	243.3	243.4	243.5	243.6	243.7	243.8	243.9	244.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	10Y5/1 gray		2.5GY5/1 clim gray				10Y4/1 gray					
Soil Description	VF-S ¹⁵		silt with thin VF-S layer (0.2-0.5cm, light gray)				44 Silty VF-S					
Labo. Sampling							243.60			244.00		
Sampling No.	GeJK-1-79 (4.39 mg/kg)											

Core Sample Record (JICA Study Team)

Sheet No. 245

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 09 / July / 2001
 Core recorder Suenaga

Depth (m)	244.0	244.1	244.2	244.3	244.4	244.5	244.6	244.7	244.8	244.9	245.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

10Y-L1
grey

2.5GY 4/1
dark olive grey

Silty V.F.S

80

Sandy Silt
with thin V.F.S layer

244.69-71 silt block (1.3m. greyish olive)

Core Sample Record (JICA Study Team)

Sheet No. 246

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 / July / 2001
 Core recorder Sulnaga

Depth (m)	245.0	245.1	245.2	245.3	245.4	245.5	245.6	245.7	245.8	245.9	246.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches across the depth columns]											
Lithological Symbol	[Hand-drawn lithological symbols across the depth columns]											
Color	10Y5/1 ~ 2.5GY5/1 gray olive gray											
Soil Description	Sandy Silt with thin Yf.S layer (0.1 ~ 0.5 cm. light gray) 245.00 ~ 03 Yf.S											
Labo. Sampling							245.60		246.00			
Sampling No.							GeJK-1-80 (679 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 247

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 / July / 2001
 Core recorder Suenaga

Depth (m)	246.0	246.1	246.2	246.3	246.4	246.5	246.6	246.7	246.8	246.9	247.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing various soil and rock textures across the depth intervals]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches above]										
Color	10Y5/1 - 10Y6/1 gray		10Y5/1 gray		2.5GY5/1 olin gray		7.5Y 5/2 grayish olin		10Y6/1 gray	10Y5/1 gray	
Soil Description	Silty Yf.S ²⁵		Yf.S ⁴¹		Clayey Silt ⁵⁶		Silt with v.s. layer ⁸⁰		Yf.S ⁸⁵	f.S mica rich	
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 248

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 / July / 2001
 Core recorder Suenaga

Depth (m)	247.0	247.1	247.2	247.3	247.4	247.5	247.6	247.7	247.8	247.9	248.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5G Y5/1 ~ 7.5 Y 5/2 olive grey grayish olive					10 Y 6/1 gray					
Soil Description	clayey silt ~ silt ²⁸ with f.s. silt block (irregular)					yf ~ f.s mica rich with silt block (olive gray, 0.5-4cm) 247.74-98 with silt layer (irregular)					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 249

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

Thana Keshabpur
 Union Panjja
 Mouza Rajnagar Bankabarsi
 Location _____

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

Depth (m)	248.0	248.1	248.2	248.3	248.4	248.5	248.6	248.7	248.8	248.9	249.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	10Y6/1 gray		2.5GY5/1 olive gray					2.5GY5/1 olive gray				10Y6/1 gray
Soil Description	Yf-f.s ²⁴ 248.08-11 silt layers		Silt with f.s layer					78	alternation of Silt and f.s			
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 250

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 / July / 2001
 Core recorder Suenaga

Depth (m)	249.0	249.1	249.2	249.3	249.4	249.5	249.6	249.7	249.8	249.9	250.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 olive gray					10Y6/1 gray		2.5GY5/1 olive gray			
Soil Description	alternation of silt and v-f.s (0.5-3cm : 5-15cm)						62	silt with v-f.s layer			
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 251

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 / July / 2001
 Core recorder Suenaga

Depth (m)	250.0	250.1	250.2	250.3	250.4	250.5	250.6	250.7	250.8	250.9	251.0
Lithological Structure Sketch											
Lithological Symbol											
Color	<div style="display: flex; justify-content: space-between;"> 10Y4/1 ~ 2.5G 7.4/1 gray 10Y5/1 grey </div>										
Soil Description	mica rich alternation of Silt and V-f-f.s 250.02-04 silt block (3cm. yellowish brown) 250.61-77 Sandy Silt - Silty V-f-s										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 252

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 / July / 2001
 Core recorder Sujan

Depth (m)	251.0	251.1	251.2	251.3	251.4	251.5	251.6	251.7	251.8	251.9	252.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing alternating silt and sandy silt layers]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]										
Color	10Y4/1 gray					10Y5/1 gray				10Y5/1 gray	
Soil Description	mica rich alternation of Silt ~ Sandy Silt and Yf ~ f-s (2-6cm : 1-17cm)										
Labo. Sampling										251.74 →	
Sampling No.											GeJK-1-81

(87/8w 82.2)

Core Sample Record (JICA Study Team)

Sheet No. 253

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 / July / 2001
 Core recorder Suenaga

Depth (m)	252.0	252.1	252.2	252.3	252.4	252.5	252.6	252.7	252.8	252.9	253.0
Lithological Structure Sketch											
Lithological Symbol											
Color	10Y5/1 gray		10Y4/1 gray			2.5Y5/1 gray		10Y5/1 gray			
Soil Description	f-s mica rich		21 Sandy Silt with f-s layers (irregular)			48 f-s with pebbles (0.8, 0.5-1.5cm)		f-m-s mica rich with pebbles (0.5-5cm) silt block (1-5cm. olive gray)			
Labo. Sampling	← 252.10										
Sampling No.	GeJK-1-81										

Core Sample Record (JICA Study Team)

Sheet No. 254

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 / July / 2001
 Core recorder Sunuga

Depth (m)	253.0	253.1	253.2	253.3	253.4	253.5	253.6	253.7	253.8	253.9	254.0		
Lithological Structure Sketch									core lost				
Lithological Symbol													
Color	10Y5/1 gray					2.5GY 4/1 dark clin gray							
Soil Description	f-m-s with pebble (0.0.2cm) silt block (1-5cm, olive gray)					56	Silt with thin f-s layer 253.77-78 pebble (1-1.5cm)					85	
Labo. Sampling													
Sampling No.													

Core Sample Record (JICA Study Team)

Sheet No. 255

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 / July / 2001
 Core recorder Suenaga

Depth (m)	254.0	254.1	254.2	254.3	254.4	254.5	254.6	254.7	254.8	254.9	255.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

5GY5/1
olive gray

Silt
with thin V-S layer (0.1 cm. light gray)

254.54

254.91

GeJK-1-82 (67.61 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 256

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 / July / 2001
 Core recorder Sulmaga

Depth (m)	255.0	255.1	255.2	255.3	255.4	255.5	255.6	255.7	255.8	255.9	256.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5GY5/1 olive gray					2.5GY5/1 olive gray					
Soil Description	Silt with thin H.S layer (0.1cm. light gray)					50 clayey Silt					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 257

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 / July / 2001
 Core recorder Suenaga

Depth (m)	256.0	256.1	256.2	256.3	256.4	256.5	256.6	256.7	256.8	256.9	257.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.56Y 5/1 clay grey										
Soil Description	clayey silt with thin Y.P.S layer (0.1cm light grey)										
Labo. Sampling						256.23					256.66
Sampling No.	GeJK-1-83										

(60.22 mg/kg)

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 13 / July / 2001
 Core recorder Suenoga

Depth (m)	257.0	257.1	257.2	257.3	257.4	257.5	257.6	257.8	257.8	257.9	258.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5GY5/1
 silty gray

Clayey Silt
 with thin V-S layer (0.1cm. light gray)

Core Sample Record (JICA Study Team)

Sheet No. 259

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 / July / 2001
 Core recorder Suenaga

Depth (m)	258.0	258.1	258.2	258.3	258.4	258.5	258.6	258.7	258.8	258.9	259.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5675A light gray											
Soil Description	Clayey Silt with thin v.f.s layer (0.1cm. light gray)											
Labo. Sampling							258.60			259.00		
Sampling No.							GeJK-1-84					

(1.16 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 260

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 / July / 2001
 Core recorder Saminaga

Depth (m)	259.0	259.1	259.2	259.3	259.4	259.5	259.6	259.7	259.8	259.9	260.0
Lithological Structure Sketch	[Blank sketch area]										
Lithological Symbol	[Blank symbol area]										
Color	2.56854 olive gray										
Soil Description	clayey Silt ~ Silt with thin V.F.S layer (0.1cm. light gray)										
Labo. Sampling	[Blank labo. sampling area]										
Sampling No.	[Blank sampling no. area]										

Core Sample Record (JICA Study Team)

Sheet No. 261

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 / July / 2001
 Core recorder Suenaga

Depth (m)	260.0	260.1	260.2	260.3	260.4	260.5	260.6	260.7	260.8	260.9	261.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5GY 5/1 olive gray										
Soil Description	clayey silt with thin H.S layer (0.1~0.2 cm. light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 262

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 / July / 2001
 Core recorder Suenaga

Depth (m)	261.0	261.1	261.2	261.3	261.4	261.5	261.6	261.7	261.8	261.9	262.0
Lithological Structure Sketch	[Hand-drawn lithological sketch showing vertical columns representing soil layers across the depth range]										
Lithological Symbol											
Color	SGY5/ olive gray										
Soil Description	Clayey Silt with thin V.F.S layer (0.1cm. light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 263

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 / July / 2001
 Core recorder Suenaga

Depth (m)	262.0	262.1	262.2	262.3	262.4	262.5	262.6	262.7	262.8	262.9	263.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	5GY5/1 olive gray											
Soil Description	Clayey Silt with thin VF-5 layer (0.1 cm. light gray) 262.04-07 peaty (bluish gray) (dark)											
Labo. Sampling	262.00				262.40							
Sampling No.	GeJK-1-85 (11.75mg/kg)											

Core Sample Record (JICA Study Team)

Sheet No. 264

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 / July / 2001
 Core recorder Suenaga

Depth (m)	263.0	263.1	263.2	263.3	263.4	263.5	263.6	263.7	263.8	263.9	264.0
Lithological Structure Sketch	[Hand-drawn lithological sketch showing vertical columns representing soil layers across the depth range]										
Lithological Symbol	[Blank space for lithological symbols]										
Color	z. 5GYS1 ~ 5GYS1 olive gray										
Soil Description	Clayey Silt with thin H.S layer (0.1-0.2 cm. light gray)										
Labo. Sampling	[Blank space for lab sampling details]										
Sampling No.	[Blank space for sampling number]										


Core Sample Record (JICA Study Team)

Sheet No. 265

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 / July / 2001
 Core recorder Suenaga

Depth (m)	264.0	264.1	264.2	264.3	264.4	264.5	264.6	264.7	264.8	264.9	265.0																			
Lithological Structure Sketch	X																													
Lithological Symbol							X																							
Color													X						2.5GY5/1 ~ 5GY5/1 olive gray			NS/1 gray								
Soil Description																			X						55 clayey silt with thin V.F.-S layer (0.1cm. light gray)					
Labo. Sampling																									X					
Sampling No.	X																													

Core Sample Record (JICA Study Team)

Sheet No. 266

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 / July / 2001
 Core recorder Suenaga

Depth (m)	265.0	265.1	265.2	265.3	265.4	265.5	265.6	265.7	265.8	265.9	266.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray					7.5GY 4/1 dark greenish gray		2.5GY 4/1 dark olive gray			
Soil Description	clayey Silt ~ Silt with thin VF-S layer (0.1~0.2cm, light gray) 50					Silty clay 60		clayey Silt with thin VF-S layer (0.1~0.2cm, light gray)			
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 267

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 / July / 2001
 Core recorder Suenaga

Depth (m)	266.0	266.1	266.2	266.3	266.4	266.5	266.6	266.7	266.8	266.9	267.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray										
Soil Description	Clayey Silt with thin v/s layer (0.1cm. light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 268

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 / July / 2001
 Core recorder Suenaga

Depth (m)	267.0	267.1	267.2	267.3	267.4	267.5	267.6	267.7	267.8	267.9	268.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY 4/1 dark olive gray				7.5GY 4/1 dark greenish gray			2.5GY 4/1 dark olive gray			
Soil Description	Clayey Silt 34 with thin V-f-S layer (0.1cm. light gray)				Clay 60			Clayey Silt with thin V-f-S layer (0.1cm. light gray)			
Labo. Sampling					267.34			267.60			
Sampling No.					GeJK-1-86						

(1135 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 269

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 / July / 2001
 Core recorder Suenaga

Depth (m)	268.0	268.1	268.2	268.3	268.4	268.5	268.6	268.7	268.8	268.9	269.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY4/1 dark olive gray										
Soil Description	clayey silt with thin H-S layer (0.1cm. light gray) 268.51-60 silty clay (dark greenish gray)										
Labo. Sampling	268.00				268.40						
Sampling No.	GeJK-1-87 (12.84 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 270

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 / July / 2001
 Core recorder Suenaga

Depth (m)	269.0	269.1	269.2	269.3	269.4	269.5	269.6	269.7	269.8	269.9	270.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

2.5GY 4/1
dark olive gray

2.5GY 4/1
dark olive gray

Clayey Silt
with thin VF-S layer (0.1cm. light gray)

88
Silt
with thin
VF-S layer
(0.1cm. light gray)

Core Sample Record (JICA Study Team)

Sheet No. 272

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 15 / July / 2001
 Core recorder Suenaga

Depth (m)	271.0	271.1	271.2	271.3	271.4	271.5	271.6	271.7	271.8	271.9	272.0	
Lithological Structure Sketch	[Sketches of lithological structure across depths]											
Lithological Symbol	[Lithological symbols across depths]											
Color	SGYSA olive gray			2.SGYSA olive gray								
Soil Description	Clayey Silt ²⁰ with thin VF.S layer (0.1cm. light gray)			Silt with thin VF.S layer (0.1cm. light gray) 271.96 - 272.00 hard								
Labo. Sampling							271.55		271.95			
Sampling No.							GeJK-1-88 (13.13 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 273

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 15 / July / 2001
 Core recorder Suenaga

Depth (m)	272.0	272.1	272.2	272.3	272.4	272.5	272.6	272.7	272.8	272.9	273.0	
Lithological Structure Sketch	[Hand-drawn lithological sketches showing vertical lines representing soil layers]											
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]											
Color	2.5GY5/1 <i>olive gray</i>		2.5GY4/1 ~ 5GY4/1 <i>dark olive gray</i>									
Soil Description	Silt ¹⁶		clayey Silt with thin v.f.s layer (0.1 cm. gray) 272.30-32 } 40-41 } Silty clay (grayish olive) 49-51 }									
Labo. Sampling												
Sampling No.												

Core Sample Record (JICA Study Team)

Sheet No. 274

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 15 / July / 2001
 Core recorder Suenaga

Depth (m)	273.0	273.1	273.2	273.3	273.4	273.5	273.6	273.7	273.8	273.9	274.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY4/ 5GY4/ dark olive gray										
Soil Description	clayey silt with thin V.F.S layer (0.1 ~ 0.3cm, light gray) 273.50 ~ 55 silty clay (olive gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 275

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	15 / July / 2001
Core recorder	Sumanaya

Depth (m)	274.0	274.1	274.2	274.3	274.4	274.5	274.6	274.7	274.8	274.9	275.0
Lithological Structure Sketch	[Vertical lines representing lithological structure]										
Lithological Symbol											
Color	2.5GY4/1 ~ 5GY4/1 dark olive gray										
Soil Description	Layered Silt with thin V.S. Layer (0.1-0.2 cm. light gray)										
Labo. Sampling	274.00				274.40						
Sampling No.	GeJK-1-89(1147mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 276

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 15 / July / 2001
 Core recorder Suenaga

Depth (m)	275.0	275.1	275.2	275.3	275.4	275.5	275.6	275.7	275.8	275.9	276.0
Lithological Structure Sketch	[Vertical dashed lines representing a sketch]										
Lithological Symbol											
Color	2.5GY5/1 ~ 5GY5/1 clim gray										
Soil Description	clayey silt with thin H-S layer (0.1cm. gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 278

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 15 July 2001
 Core recorder Subnaga

Depth (m)	277.0	277.1	277.2	277.3	277.4	277.5	277.6	277.7	277.8	277.9	278.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling	277.00		277.40								
Sampling No.	GeJK-1-90 (9.71 mg/kg)										

2.56751
olive gray

Clayey Silt
with thin V-f-s layer (0.1cm, light gray)

75

core lost

Core Sample Record (JICA Study Team)

Sheet No. 279

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 15 / July / 2001
 Core recorder Sueraga

Depth (m)	278.0	278.1	278.2	278.3	278.4	278.5	278.6	278.7	278.8	278.9	279.0
Lithological Structure Sketch	[Vertical dashed lines representing depth intervals]										
Lithological Symbol	[Vertical dashed lines representing depth intervals]										
Color	2.5GY5/ ~ 5GY5/ olive gray										
Soil Description	Clayey Silt with thin v.f.s layer (0.1~0.2 cm. gray) 278.42~44 silty clay (grayish olive)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 280

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 15 / July / 2001
 Core recorder Suenaga

Depth (m)	279.0	279.1	279.2	279.3	279.4	279.5	279.6	279.7	279.8	279.9	280.0
Lithological Structure Sketch	[Hand-drawn lithological sketches showing soil layers and textures across the depth profile]										
Lithological Symbol	[Hand-drawn lithological symbols corresponding to the sketches]										
Color	5GY 5/1 olive gray					2.5GY 5/1 olive gray					
Soil Description	Silt with thin V.F.S layer (0.1cm, light gray)					clayey Silt with thin V.F.S layer (0.1-0.3cm, light gray) 279.90-92 V.F.S block (1cm, light gray)					
Labo. Sampling	[Blank space for laboratory sampling details]										
Sampling No.	[Blank space for sampling number]										

Core Sample Record (JICA Study Team)

Sheet No. 281

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 16 / July / 2001
 Core recorder Suenaga

Depth (m)	280.0	280.1	280.2	280.3	280.4	280.5	280.6	280.7	280.8	280.9	281.0
Lithological Structure Sketch											
Lithological Symbol											
Color	SGY5/1 ~ 2.SGY5/1 light gray										
Soil Description	clayey Silt with thin H.S layer (0.1 ~ 0.3 cm. light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 282

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 16 / July / 2001
 Core recorder Sunaga

Depth (m)	281.0	281.1	281.2	281.3	281.4	281.5	281.6	281.7	281.8	281.9	282.0
Lithological Structure Sketch	[Vertical lines representing lithological structure]										
Lithological Symbol											
Color	5GY5/1 ~ 2.5GY5/1 olive gray										
Soil Description	layered Silt with thin V.F.S layer (0.1~0.2cm. light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 283

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	16 / July / 2001
Core recorder	Suenaga

Depth (m)	282.0	282.1	282.2	282.3	282.4	282.5	282.6	282.7	282.8	282.9	283.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	5GY5/1 - 2.5GY5/1 olive gray					5GY4/1 dark olive gray	5GY5/1 - 2.5GY5/1 olive gray					
Soil Description	clayey silt ~ silt with thin K.F.S layer (0.1cm. light gray)					50 Silty Clay 282.54-56 hard	60 clayey silt					
Labo. Sampling								282.60	283.00			
Sampling No.								Go JK-1-91 (9.30 mg/kg)				

Core Sample Record (JICA Study Team)

Sheet No. 284

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 16 / July / 2001
 Core recorder Suenaga

Depth (m)	283.0	283.1	283.2	283.3	283.4	283.5	283.6	283.7	283.8	283.9	284.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5GY5/1 ~ 2.5GY5/1 olim gray										
Soil Description	Clayey Silt ~ Silt										
Labo. Sampling											
Sampling No.											


Core Sample Record (JICA Study Team)

Sheet No. 285

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 16 / July / 2001
 Core recorder Suenaga

Depth (m)	284.0	284.1	284.2	284.3	284.4	284.5	284.6	284.7	284.8	284.9	285.0
Lithological Structure Sketch				○ ○		X core lost					
Lithological Symbol											
Color	5GY 5/1 olive gray		5GY 4/1 dark olive gray		5GY 5/1 ~ 2.5GY 5/1 olive gray						
Soil Description	clayey Silt ¹⁶		Silty ²⁶ clay		Silt ⁴⁵ 284.37~38 f.s block (0.2~0.6cm light gray)						
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 286

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 16 / July / 2001
 Core recorder Suenaga

Depth (m)	285.0	285.1	285.2	285.3	285.4	285.5	285.6	285.7	285.8	285.9	286.0						
Lithological Structure Sketch	X																
Lithological Symbol																	
Color												2.56Y5/1 ~ 5.6Y5/1 olive gray					
Soil Description						core lost						50 clayey silt with thin Yf-S layer (0.1~0.2cm, light gray)					
Labo. Sampling																	
Sampling No.																	

Core Sample Record (JICA Study Team)

Sheet No. 287

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 16 / July / 2001
 Core recorder Suenaga

Depth (m)	286.0	286.1	286.2	286.3	286.4	286.5	286.6	286.7	286.8	286.9	287.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 ~ 5GY5/1 olive gray										
Soil Description	Clayey Silt with thin YF-5 layer (0.1-0.2 cm. light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 289

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 16 / July / 2001
 Core recorder Suenaga

Depth (m)	288.0	288.1	288.2	288.3	288.4	288.5	288.6	288.7	288.8	288.9	289.0
Lithological Structure Sketch											
Lithological Symbol											
Color	2.5GY5/1 olive gray					2.5GY5/1 olive gray					
Soil Description	clayey silt ~ silt 30					core lost 50 silt with thin V.S layer (0.1-0.3cm. light gray)					
Labo. Sampling						288.50					289.00
Sampling No.	GeJK-1-92 (10.27 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 290

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 16 / July / 2001
 Core recorder Sumanaga

Depth (m)	289.0	289.1	289.2	289.3	289.4	289.5	289.6	289.7	289.8	289.9	290.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5GY 5/1 olive gray						5GY 4/1 dark olive gray					
Soil Description	Silt with thin YF-S layer (0.1-0.2cm. light gray) 289.50-54 hand						54 clay					
Labo. Sampling							289.60			290.00		
Sampling No.	GeJK-1-93 (23.37 mg/kg)											

Core Sample Record (JICA Study Team)

Sheet No. 291

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 / July / 2001
 Core recorder Suenaga

Depth (m)	290.0	290.1	290.2	290.3	290.4	290.5	290.6	290.7	290.8	290.9	291.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5GYS/1 olimo gray										
Soil Description	Silt with thin V.S layer (0.1-0.2cm, light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 292

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 / July / 2001
 Core recorder Susmita

Depth (m)	291.0	291.1	291.2	291.3	291.4	291.5	291.6	291.7	291.8	291.9	292.0
Lithological Structure Sketch	[Hand-drawn lithological sketch showing vertical lines representing soil layers]										
Lithological Symbol											
Color	5GY 5/1 olive gray										
Soil Description	Silt with thin V.S layer (0.1-0.2 cm. light gray)										
Labo. Sampling						291.53			292.00		
Sampling No.						GoJK-1-94 (15.22 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 293

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 / July / 2001
 Core recorder Suenaga

Depth (m)	292.0	292.1	292.2	292.3	292.4	292.5	292.6	292.7	292.8	292.9	293.0
Lithological Structure Sketch	[Hand-drawn lithological sketch showing vertical lines representing soil layers]										
Lithological Symbol											
Color	SGY 5/1 olive gray										
Soil Description	Silt with thin Vt-S layer (0.1 cm. light gray) 292.07 m.s (less)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 294

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 / July / 2001
 Core recorder Suman

Depth (m)	293.0	293.1	293.2	293.3	293.4	293.5	293.6	293.7	293.8	293.9	294.0		
Lithological Structure Sketch													
Lithological Symbol													
Color	5GY 5/1 olive gray			5GY 4/1 dark olive gray					5GY 5/1 olive gray				
Soil Description	Silt with thin F.S layer (0.1cm. light gray)			32	Clay 293.45~48 hard 293.67~77 F.S black (irregular)					79	clayey Silt		
Labo. Sampling							293.50	293.75					
Sampling No.							GeJK-1-95						

(12.47mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 296

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 17 / July / 2001
 Core recorder Suenaga

Depth (m)	295.0	295.1	295.2	295.3	295.4	295.5	295.6	295.7	295.8	295.9	296.0					
Lithological Structure Sketch						 core lost 										
Lithological Symbol												m.s				
Color	5GY5.1 olive gray															
Soil Description	with thin Silt 1f. S layer (0.1cm. light gray) m. S layer (0.1-0.2cm. gray)											45				
Labo. Sampling																
Sampling No.																

Core Sample Record (JICA Study Team)

Sheet No. 297

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 / July / 2001
 Core recorder Suenuga

Depth (m)	296.0	296.1	296.2	296.3	296.4	296.5	296.6	296.7	296.8	296.9	297.0
Lithological Structure Sketch	[Hand-drawn lithological sketch showing vertical columns with various patterns representing soil layers]										
Lithological Symbol											
Color	SGY5/1 olive grey										
Soil Description	Silt with thin H-S layer (0.1 cm, light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 298

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 / July / 2001
 Core recorder Suenaga

Depth (m)	297.0	297.1	297.2	297.3	297.4	297.5	297.6	297.7	297.8	297.9	298.0
Lithological Structure Sketch											
Lithological Symbol	<div style="display: flex; justify-content: space-around;"> m.s s </div>										
Color	5GYS1 olive gray										
Soil Description	Silt with thin v.s layer (0.1cm. light gray) m.s layer (0.1cm. gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 299

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 / July / 2001
 Core recorder Suenaga

Depth (m)	298.0	298.1	298.2	298.3	298.4	298.5	298.6	298.7	298.8	298.9	299.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5GYS1 olive gray										
Soil Description	Silt with thin VF.S layer (0.1cm, light gray)										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 300

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 / July / 2001
 Core recorder Suenaga

Depth (m)	299.0	299.1	299.2	299.3	299.4	299.5	299.6	299.7	299.8	299.9	300.0
Lithological Structure Sketch											
Lithological Symbol	s m s m s										
Color	5GYS1 olive gray										
Soil Description	Silt with thin v.f.s. layer (0.1cm. light gray) m.s. layer (0.1-0.2cm. gray)										
Labo. Sampling							299.61		300.06		
Sampling No.							GeJK-1-96(1142mg/kg)				

Core Sample Record (JICA Study Team)

Sheet No. 301

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

Thana Keshabpur ~~Jhenaidah~~
 Union Panjra ~~Pourashava~~
 Mouza Arappur Chandpara
 Location Near Bagmara Bridge

Drilling No. ~~GeHJ-1~~ GeJK-1
 Date 17 / July / 2001
 Core recorder Suenaga

Rajnagar Bankabarsi

Depth (m)	300.0	300.1	300.2	300.3	300.4	300.5	300.6	300.7	300.8	300.9	301.0
Lithological Structure Sketch	[Sketch of lithological structure from 300.0 to 300.5 m]					X					
Lithological Symbol											
Color	5GY5/1 olive gray										
Soil Description	Silt with thin 1/4" S layer (0.1 cm, light gray)										
Labo. Sampling											
Sampling No.											

core lost