

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

ECONOMIC RELATIONS DIVISION, MINISTRY OF FINANCE
DEPARTMENT OF PUBLIC HEALTH ENGINEERING, MINISTRY OF LOCAL
GOVERNMENT, RURAL DEVELOPMENT & COOPERATIVES
THE GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

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

FINAL REPORT

DATA REPORT BOOK 3

DECEMBER 2002

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THE STUDY

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OF DEEP AQUIFERS FOR SAFE DRINKING WATER

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The Study on the
Ground Water Development of Deep Aquifers for Safe Drinking Water Supply to
Arsenic Affected Areas in Western Bangladesh

Data Report Book 2

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Core Sample Record

GeHM-1 (Moheshpur)

Core Sample Record (JICA Study Team)

Sheet No. 2

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5Y7/3 light yellow			core		7.5Y6/2 grayish olive			core		
Soil Description	Sandy Silt			core		50 with 30% silt block (olive) 1.75-2.0 Sandy Silt (olive)			core		
Labo. Sampling	1.00			1.35							
Sampling No.	GeHM-1-1 (7.72 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 3

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Laco. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 4

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2001
Core recorder	SUENAGA

Depth (m)	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
Lithological Structure Sketch											
Lithological Symbol											
Color	5Y5/2 grayish olive				4.5Y4/ 7mg	5Y6/3 olive yellow				5Y6/3 olive yellow	
Soil Description	Sandy Silt								78	Silt - Sandy Silt	
Labo. Sampling					3.40		3.75				
Sampling No.							GeHM-1-2				

(5.72 mg/kg)

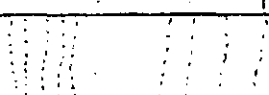


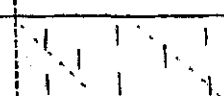
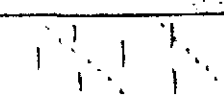
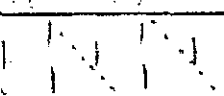



Core Sample Record (JICA Study Team)

Sheet No. 5

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2001
Core recorder	SUENAGA

Depth (m)	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0		
Lithological Structure Sketch													
Lithological Symbol													
Color		5T 6/3 olive yellow				5T 6/4 olive yellow		5T 6/3 olive yellow					
Soil Description		Sandy Silt				44	Clay		64	Silty V.F.S			
Labo. Sampling									4.64		5.00		
Sampling No.									GeHM-1-3 (4.78mg/kg)				

Core Sample Record (JICA Study Team)

Sheet No. 6

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 7

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

Thana Moheshpur
 Union Fatehpur
 Mcuza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2002
 Core recorder SUENAGA

Depth (m)	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> X </div>										
Lithological Symbol											
Color											
Soil Description											
Lacc. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 8

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

Thana Moheshpur
 Union Fatehpur
 Mcuza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2002
 Core recorder SUENAGA

Depth (m)	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Laco. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 3

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Laco. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 10

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
Lithological Structure Sketch	<div style="font-size: 4em; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;"> X </div> <p style="font-size: 1.5em; margin: 0;">Core lost</p>										
Lithological Symbol											
Color											
Soil Description											
Laco. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 11

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Laco. Sampling											
Sampling No.											


Core Sample Record (JICA Study Team)

Sheet No. 12

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2002
 Core recorder SUENAGIA

Depth (m)	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color										2.5T ⁶ / ₁ ~ 7.5T ⁶ / ₂ gray grayish olive	
Soil Description										80 V _f ~ f. 5 micr. rich	
Labo. Sampling											
Sampling No.											


Core Sample Record (JICA Study Team)

Sheet No. 13

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2002
 Core recorder SUENAGA

Depth (m)	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color										10Y6/1 ~ 7.5Y6/1 Filt	
Soil Description										80 VF.S mica rich	
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 14

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0
Lithological Structure Sketch	<div style="font-size: 4em; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											



Core Sample Record (JICA Study Team)

Sheet No. 15

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0
Lithological Structure Sketch	<i>core</i> <i>lact</i>						<i>core</i> <i>lact</i>				
Lithological Symbol											
Color			<i>10 Y 6/1</i> <i>gray</i>						<i>10 Y 6/1</i> <i>gray</i>		
Soil Description			<i>10</i> <i>micr. rich</i> <i>vf. s</i>						<i>20</i> <i>micr. rich</i> <i>vf. s</i>		
Laco. Sampling			<i>14.10</i>						<i>14.50</i>		
Sampling No.			<i>GeHM-1-4 (2.47 mg/kg)</i>								

Core Sample Record (JICA Study Team)

Sheet No. 16

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2002
 Core recorder SUENAGA

Depth (m)	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> X </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 18

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2001
Core recorder	SUENAGA

Depth (m)	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	2.5 Y 4/1 gray				2.5 Y 5/1 gray		5 Y 5/2 gray/silt		2.5 Y 5/1 gray			
Soil Description	clay				Silty V.F.S. ⁴¹		Sandy Silt ⁵⁵		Silty V.F.S. ⁶⁵			
Labo. Sampling	17.00			17.40			17.65			18.00		
Sampling No.	GeHM-1-5 (724 mg/kg)						GeHM-1-6 (625 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 19

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 20

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2009
Core recorder	SUENAGA

Depth (m)	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0						
Lithological Structure Sketch							X										
Lithological Symbol																	
Color	grey	7.5T6/1 ~ 7.5T5/1 grey															
Soil Description	silty V.C.S	mica rich		V.C.S									50		core		loot
Labo. Sampling																	
Sampling No.																	

Core Sample Record (JICA Study Team)

Sheet No. 22

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2002
Core recorder	SUENAGA

Depth (m)	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0		
Lithological Structure Sketch													
Lithological Symbol													
Color	10 Y 5/1 ~ 7.5 Y 5/1 Faint												
Soil Description	mica rich f.s = 1.62 cm block (0.5 cm size)												
Labo. Sampling								21.60					22.00
Sampling No.								GeHM-1-7 (1.41 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 25

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> </div> <p style="font-size: 2em; margin: 0;">core lost</p>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 26

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 21 / July / 2001
 Core recorder SUENAGA

Depth (m)	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	
Lithological Structure Sketch	[Vertical dashed lines indicating lithological boundaries]											
Lithological Symbol	[Vertical dashed lines indicating lithological boundaries]											
Color	10 Y5/1 ~ 10 Y6/1 gray					10 Y5/1 ~ 10 Y6/1 gray		[Vertical dashed lines]		[Vertical dashed lines]		
Soil Description	mica rich f.s		40		50 f.s mica rich		61 Sandy clay tuffaceous mica rich		85		[Vertical dashed lines]	
Labo. Sampling									25.70		25.85	
Sampling No.									GeHM-1-8		(12.96 mg/kg)	

Core Sample Record (JICA Study Team)

Sheet No. 29

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2001
Core recorder	SUENAGA

Depth (m)	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0
Lithological Structure Sketch								X			
Lithological Symbol											
Color	10Y5/1 ~ 10Y6/1 gray					10Y5/1 gray					
Soil Description	mica rich f.s 42					Vf-f.s 62 mica rich					
Labo. Sampling	28.00 28.42										
Sampling No.	GeHM-1-9 (1.28 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 30

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	21 / July / 2001
Core recorder	SUENAGA

Depth (m)	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>core</p> </div> <div style="text-align: center;"> <p>test</p> </div> </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 31

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0					
Lithological Structure Sketch	X															
Lithological Symbol																
Color												10Y5/1 gray				
Soil Description												50 mica rich		f.s		
Labo. Sampling																
Sampling No.																

Core Sample Record (JICA Study Team)

Sheet No. 32

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											GeHM-1-10 (100g core)

Core Sample Record (JICA Study Team)

Sheet No. 33

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

Thana	Moheshpur
Union	Fatehpur
Mcuza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0					
Lithological Structure Sketch	X															
Lithological Symbol																
Color												7.5T5A				
Soil Description												50 mica rich	f. 5			
Labo. Sampling												32.61~64 clay blocks (quartzite oliv. 3cm. soft)				
Sampling No.																

Core Sample Record (JICA Study Team)

Sheet No. 35

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGIA

Depth (m)	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0				
Lithological Structure Sketch	[Sketch]		X				[Sketch]								
Lithological Symbol	[Symbol]						[Symbol]								
Color	10Y5/1 ~ 10Y5/1 f-5 20 mica rich						50 mica rich					10Y5/1 f-5			
Soil Description	f-5 mica rich						core lost				50 mica rich				
Labo. Sampling															
Sampling No.															

Core Sample Record (JICA Study Team)

Sheet No. 36

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2003
 Core recorder SUENAGA

Depth (m)	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0
Lithological Structure Sketch	[Sketch: 35.0-35.1]		[Large X across 35.2-35.5]				[Sketch: 35.6-36.0]				
Lithological Symbol			[Large X across 35.2-35.5]								
Color	10Y 5/1 ~ 10Y 6/1 gray		[Large X across 35.2-35.5]				10Y 5/1 ~ 10Y 6/1 gray				
Soil Description	f.s micaceous 15		[Large X across 35.2-35.5]				55 micaceous 30.55-58 clay (grayish blue) f.s				
Labo. Sampling			[Large X across 35.2-35.5]				35.60		36.00		
Sampling No.			[Large X across 35.2-35.5]				GeHM-1-11 (519 mg/kg)				

Core Sample Record (JICA Study Team)

Sheet No. 37

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0				
Lithological Structure Sketch	X								X						
Lithological Symbol						10Y5/1 ~ 10Y6/1 gray									
Color						50 mica cink					f.s		90		
Soil Description						core loess					36.82 Sandy Silt (light olive gray, 0.5cm)			core loess	
Labo. Sampling															
Sampling No.															

Core Sample Record (JICA Study Team)

Sheet No. 38

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23. / July / 2001
Core recorder	SUENAGA

Depth (m)	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color							10Y5/1 ~ 10Y6/1 gray				
Soil Description							f - m. s med. silty				
Labo. Sampling											
Sampling No.											


Core Sample Record (JICA Study Team)

Sheet No. 39

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0
Lithological Structure Sketch	 <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 15%; border-right: 1px dashed black; padding-right: 5px;"> <div style="text-align: center; margin-bottom: 5px;">  </div> <div style="margin-bottom: 5px;"> <p>10TS/1 - 10Y6/1 gray</p> </div> <div style="margin-bottom: 5px;"> <p>f-m 15¹² mica rich clay block (0.5 cm) 38.11-12 wooden fragment (11-2cm)</p> </div> </div> <div style="width: 70%; text-align: center;"> <p style="font-size: 1.5em; opacity: 0.5;">core lost</p> </div> </div> 										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 40

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUFNAGIA

Depth (m)	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> </div> </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 41

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2002
Core recorder	SUENAGA

Depth (m)	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0
Lithological Structure Sketch	 <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: left;">core</div> <div style="text-align: right;">lost</div> </div> 										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											


Core Sample Record (JICA Study Team)

Sheet No. 42

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0						
Lithological Structure Sketch	X																
Lithological Symbol																	
Color												7.575% gray					
Soil Description						core				lost		50 mica rich		f.s		85 core lost	
Labo. Sampling																	
Sampling No.																	

Core Sample Record (JICA Study Team)

Sheet No. 43

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">Core</div> <div style="border: 1px solid black; padding: 5px;">Coat</div> </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 44

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-between;"> Core Light </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

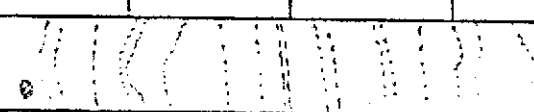
Core Sample Record (JICA Study Team)

Sheet No. 45

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0								
Lithological Structure Sketch	X																		
Lithological Symbol						X													
Color																10 Y 5/1 grey			
Soil Description												core lost				50 mica rich		f-m-s	
Labo. Sampling						44.50		45.00											
Sampling No.						GeHM-1-12 (1.10 mg/kg)													


Core Sample Record (JICA Study Team)

Sheet No. 46

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

Thana: Moheshpur
 Union: Fatehpur
 Mouza: Chandpur
 Location: Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	
Lithological Structure Sketch				X core lost								
Lithological Symbol												
Color	2.5Y 5/1 gray											
Soil Description	mica rich f.s 28 45.12~28 clay block (olive gray, 1cm) 45.14~15 charcoal weather fragment (1cm)											
Labo. Sampling												
Sampling No.												


Core Sample Record (JICA Study Team)

Sheet No. 47

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0
Lithological Structure Sketch			X core lost								
Lithological Symbol											
Color	7.5 T.S./ gray										
Soil Description	f.s 22 mica rich with trace fossil (0.3 - 1cm)										
Labo. Sampling											
Sampling No.											

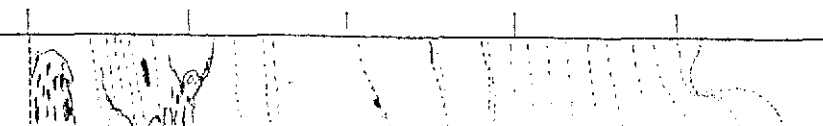
Core Sample Record (JICA Study Team)

Sheet No. 48

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
Lithological Structure Sketch						X					
Lithological Symbol											
Color	7.5 Y 5/1 gray										
Soil Description	f-s mica rich with charcoal wooden fragments (0.5-1.5 cm) 47.00-03 wooden fragment, mica densely										
Labo. Sampling			47.15								
Sampling No.	GeHM-1-13										

(1.29 mg/kg)

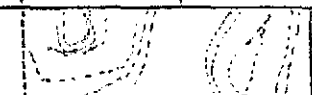
Core Sample Record (JICA Study Team)

Sheet No. 49

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0
Lithological Structure Sketch			 <div style="display: flex; justify-content: space-around;"> core lost </div> 								
Lithological Symbol											
Color	5Y5/1 ~ 7.5Y5/1 grey										
Soil Description	f.s mica rich 18										
Labo. Sampling											
Sampling No.											



Core Sample Record (JICA Study Team)

Sheet No. 50

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0				
Lithological Structure Sketch	X								X						
Lithological Symbol															
Color						5Y4/1 gray					10Y5/1 gray			7.5Y5/1 gray	
Soil Description						core					loam			50 clay	
Labo. Sampling	X														
Sampling No.															

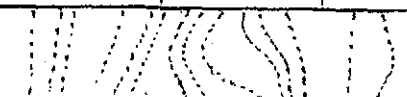
Core Sample Record (JICA Study Team)

Sheet No. 51

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0									
Lithological Structure Sketch	X									X										
Lithological Symbol																				
Color							7.5 T S / gray													
Soil Description							core					lost			60 mica rich		f.s 88		core lost	
Labo. Sampling																				
Sampling No.																				

Core Sample Record (JICA Study Team)

Sheet No. 52

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2002
Core recorder	SUENAGA

Depth (m)	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

core

lost

Core Sample Record (JICA Study Team)

Sheet No. 53

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0						
Lithological Structure Sketch	X																
Lithological Symbol																	
Color												2.5 Y 5/1 gray					
Soil Description							core lost					58 mica rich 52.60~75 silt blocks (1-3cm. diam. gray) 52.86~91 trace fossil (φ1cm)					
Labo. Sampling																	
Sampling No.																	

Core Sample Record (JICA Study Team)

Sheet No. 54

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0							
Lithological Structure Sketch	X																	
Lithological Symbol																		
Color													7.5 T 5/1 gray					
Soil Description							core						loct 58 mica rich f.s					
Labo. Sampling																		
Sampling No.																		

Core Sample Record (JICA Study Team)

Sheet No. 55

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0
Lithological Structure Sketch											
Lithological Symbol											
Color	7.5 Y 5/1 gray										
Soil Description	mica rich f.s 90 core lost										
Labo. Sampling	54.00					54.50					
Sampling No.	GeHM-1-14 (1.20 mg/kg)										

Core Sample Record (JICA Study Team)

Sheet No. 56

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0
Lithological Structure Sketch											
Lithological Symbol											
Color	4.5 Y 5/1 gray			2.5GY 5/1 dk. gray	2.5Y 5/1 gray						
Soil Description	f-s misc. silt 55.15~16 with vf-s (0.5cm)			32 Sandy Silt	39 vf-f-s misc. silt	core lost					
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 57

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0
Lithological Structure Sketch							X				
Lithological Symbol											
Color	7.5 F5A gray										
Soil Description	VF ~ F.5 mica rich 56.21~23 organic rich black (olive black, 2cm) 56.28~34 organic rich (olive black)										
Labo. Sampling	56.00			56.50							
Sampling No.	GeHM-1-15										
	(3.66mg/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	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0
Lithological Structure Sketch					X						
Lithological Symbol					X						
Color	10 TS / gray		7.5 TS / gray		X				2.5 TS / gray		
Soil Description	f.s mica rich		f.s mica rich		X				f.s mica rich		
Labo. Sampling					X						
Sampling No.					X						

Core Sample Record (JICA Study Team)

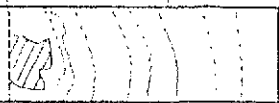
Sheet No. 60

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											



1056/1
gray

VFS 17
micaceous

core

lost

Core Sample Record (JICA Study Team)

Sheet No. 61

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0
Lithological Structure Sketch	X										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

7.575/1
 33
 mica rich
 60.09 ~ 11 charcoal wooden fragment (0.5cm)

core lost

Core Sample Record (JICA Study Team)

Sheet No. 62

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border-left: 1px dashed black; border-right: 1px dashed black; width: 10%;"></div> <div style="text-align: center; flex-grow: 1;"> <p style="font-size: 2em; font-family: cursive;">core</p> <p style="font-size: 2em; font-family: cursive;">cut</p> </div> <div style="border-left: 1px dashed black; border-right: 1px dashed black; width: 10%;"></div> </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 63

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0
Lithological Structure Sketch	 <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: left;">core</div> <div style="text-align: right;">lost</div> </div> 										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 64

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	63,0	63,1	63,2	63,3	63,4	63,5	63,6	63,7	63,8	63,9	64,0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 65

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0					
Lithological Structure Sketch	X															
Lithological Symbol																
Color												2.575 / gray				
Soil Description						core			lost		45 mica rich		f-m-s			
Labo. Sampling											64.45		64.90			
Sampling No.											GeHM-1-16					
											(1.00 mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 66

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0				
Lithological Structure Sketch	[Vertical dashed lines representing lithology]					X									
Lithological Symbol															
Color	7.5 T5 / 1 gray														
Soil Description	mica rich	f r m . s			so							core		lost	
Labo. Sampling															
Sampling No.															

Core Sample Record (JICA Study Team)

Sheet No. 67

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p style="font-size: 1.5em;">core</p> </div> <div style="text-align: center;"> <p style="font-size: 1.5em;">lost</p> </div> </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 68

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	
Lithological Structure Sketch												
Lithological Symbol						7.5 T 5/1 gray						
Color	<i>core</i>					50 m.s 75			<i>lost</i>			
Soil Description						67.52-53 silt block (hard, 1.5m)						
Labo. Sampling						67.50		67.75				
Sampling No.						GeHM-1-17						

(1.23 mg/kg)

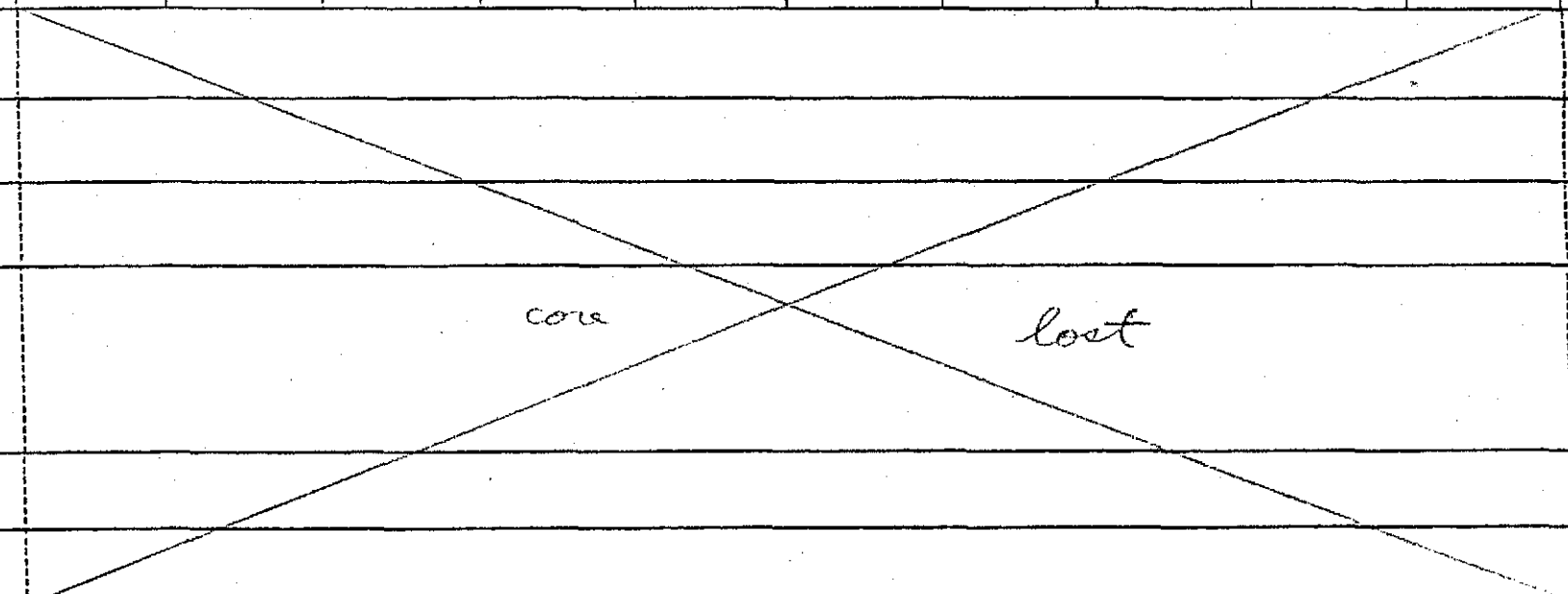
Core Sample Record (JICA Study Team)

Sheet No. 69

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

Thana Moheshpur
Union Fatehpur
Mouza Chandpur
Location Krishna Chandrapur

Drilling No. GeHM-1
Date 23 / July / 2001
Core recorder SUENAGA

Depth (m)	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 70

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0
Lithological Structure Sketch	<div style="font-size: 4em; opacity: 0.5; position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); pointer-events: none;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 71

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 72

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	7.5% ~ 10% gray											
Soil Description	mica rich 71.31~37 m.s (light gray) f - m.s 71.44~47 } clay lense (soft olive gray) 79~80 }											
Labo. Sampling						71.50			72.00			
Sampling No.						GeHM-1-18 (1.06 mg/kg)						

Core Sample Record (JICA Study Team)

Sheet No. 73

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	23 / July / 2001
Core recorder	SUENAGA

Depth (m)	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0
Lithological Structure Sketch	<div style="display: flex; justify-content: space-between; align-items: center;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											


Core Sample Record (JICA Study Team)

Sheet No. 74

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2002
 Core recorder SUENAGAR

Depth (m)	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0
Lithological Structure Sketch	 <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  55% 4/1 dark olive green </div> <div style="text-align: center;"> Silty Clay 73.08-10 head </div> <div style="text-align: center;"> core </div> <div style="text-align: center;"> lost </div> </div> 										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 75

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 23 / July / 2001
 Core recorder SUENAGA

Depth (m)	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0							
Lithological Structure Sketch	X						0											
Lithological Symbol																		
Color													7.5 TS/1 gray					
Soil Description							core						lost					
Labo. Sampling													50 mica rich 74.79-80 pebble (p.a. 1.5cm)					
Sampling No.													74.50 74.90 GeHM-1-19 (0.80mg/kg)					

Core Sample Record (JICA Study Team)

Sheet No. 76

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	24 / July / 2001
Core recorder	SUENAGA

Depth (m)	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0
Lithological Structure Sketch											
Lithological Symbol											
Color			10Y5/1 ~ 7.5Y5/1 9/10								
Soil Description			m.s 20 mica rich 75.42-43 light black (3cm. brownish grey) 75.44-48 trace fossil (d 0.5cm)								
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 77

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 24 / July / 2001
 Core recorder SUENAGA

Depth (m)	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0
Lithological Structure Sketch	X								⑩	⑩	
Lithological Symbol											
Color	X				7.5 YS1 ~ 5 YS1 gray				7.5 YS1 gray		
Soil Description			core	loam	20 mica rich		m - C - S		70	mica rich m.s silt block (0.5-1.5cm) granular gray, brown lines	
Labo. Sampling	X				76.20			76.70			
Sampling No.					GeHM-1-20 (0.85 mg/kg)						

Core Sample Record (JICA Study Team)

Sheet No. 78

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	24 / July / 2001
Core recorder	SUEINAGA

Depth (m)	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	
Lithological Structure Sketch												
Lithological Symbol												
Color	25Y5/1 ~ 10Y5/1 7mg											
Soil Description	20 m. S core lent mica rich 25 core lent											
Labo. Sampling				77.20					77.70			
Sampling No.	GeHM-1-21 (0.87mg/kg)											

Core Sample Record (JICA Study Team)

Sheet No. 80

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	24 / July / 2001
Core recorder	SUENAGA

Depth (m)	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0
Lithological Structure Sketch	[Hatched pattern]		X								
Lithological Symbol											
Color	10Y5/1 gray										
Soil Description	m.s. mica rich										
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 81

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 24 / July / 2001
 Core recorder SUENAGA

Depth (m)	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0
Lithological Structure Sketch	<div style="position: relative; height: 100%; width: 100%;"> core lost </div>										
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.											

Core Sample Record (JICA Study Team)

Sheet No. 82

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

Thana	Moheshpur
Union	Fatehpur
Mouza	Chandpur
Location	Krishna Chandrapur

Drilling No.	GeHM-1
Date	24 / July / 2001
Core recorder	SUENAGA

Depth (m)	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0
Lithological Structure Sketch											
Lithological Symbol											
Color											
Soil Description											
Labo. Sampling											
Sampling No.	GeHM-1-22 (0.89 mg/kg)										

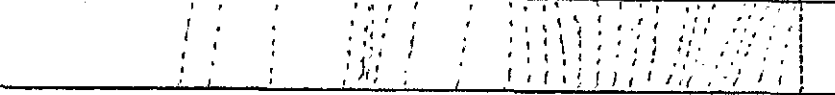
Core Sample Record (JICA Study Team)

Sheet No. 83

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 24 / July / 2001
 Core recorder SUENAGA

Depth (m)	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0
Lithological Structure Sketch	X										
Lithological Symbol						<p style="text-align: center;">7.5 T₅/1 - 10 T₅/1 gty</p>					
Color						<p style="text-align: center;">50 mica rich</p>					
Soil Description						<p style="text-align: center;">core lost</p>					
Labo. Sampling						<p style="text-align: center;">m. S</p>					
Sampling No.						<p style="text-align: center;"> </p>					
						<p style="text-align: center;"> </p>					

Core Sample Record (JICA Study Team)

Sheet No. 84

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 24 / July / 2001
 Core recorder SUENAGA

Depth (m)	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0
Lithological Structure Sketch											
Lithological Symbol											
Color		2.5 Y 5/1 gray						2.5 Y 5/1 gray			
Soil Description	micro silic	f-m-s		35	core	loct	50	micro silic		m-s 83.94-96 reddish gray laminar (heavy silic)	
Labo. Sampling						83.50				84.00	
Sampling No.								GeHM-1-23			

(0.97 mg/kg)

Core Sample Record (JICA Study Team)

Sheet No. 85

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

Thana Moheshpur
 Union Fatehpur
 Mouza Chandpur
 Location Krishna Chandrapur

Drilling No. GeHM-1
 Date 24 / July / 2001
 Core recorder SUENAGA

Depth (m)	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	
Lithological Structure Sketch					X		○					
Lithological Symbol												
Color	7.5 Y 5/1 grey								7.5 Y 5/1 grey			
Soil Description	m.s mica rich 84.15 ~ 19 redish		30				core lost		50 mica rich 84.57 ~ 61 O.R. (4cm)		m.s	
Labo. Sampling												
Sampling No.												