Core Sample Record

GeCC-1 (Chuadanga)

Sheet No.

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	No.		Ge	<u>CC-1</u>	<u>.</u>
Date	16	/	Dec	/2000	
Core recorder		Sı	enago	3	

Depth (m)	0.0	0-30 . I	0.20	0' <i>30</i>	0.40 0.	50 0'60	0,40	0.80	0-90 1	1.0
Lithological Structure Sketch						••••••••••••••••••••••••••••••••••••••		<u> </u>		· .
Lithological Symbol										
Color		2,54 Oline I	4/4			5 1 4/3 2 brown				:
Soil Description		Claywy Hard	, <u>5</u> :14	37		Silt				
Labo. Sampling	;	<u></u>	0.16	0,37		ч.,	<u></u>			
Sampling No.		······································	GieCC-	-1-1			<u> </u>		· · · · · · · · · · · · · · · · · · ·	

Sheet No. 2

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling I	No.		<u> </u>	(reC	<u>C - /</u>
Date	16/	Decl	2000	;	
Core red	corder	Suer	uy-a		-

Depth (m)	1.0	1.1	1,2	13 1	1.4	1.5	1	1.7	1.8	1.9	2.0 1.
Lithological Structure Sketch										s	
Lithological Symbol											
Color		2 oli	SY 4/3 he brown			2.5 Y 4/2 olive bre				/	
Soil Description			silt			Clayer S	il+	Core	20	st	
Labo. Sampling			a, 1001 a a 101 − a 2014, 2016 a		1,4	0	1.60				
Sampling No.					G	edd -1 - 2				· · · · · · · · · · · · · · · · · · ·	

Sheet No. 3

Thana	Chuad	langa				Drillin	Drilling No.			Grecc-1		
Union	Pouras	shava										
Mouza	Hat Ka	luganj				Date	20,	Dec 1	2000			
Location	Girl Sc	hool (U	rban-2)			Core	recorder	Sus	naga			
							· .					
Dépth (m)	2,0	2./	2,2 <u> </u>	2,3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	
Lithological Structure Sketch			.					<u> </u>				
Lithological Symbol												
Color	:			Z	2.57 4/3 olive b	nour		~				
Soil Description				Sa Parallel	ndy Sil lamirae, ix v.f.s le	l t n s	· .					
Labo. Sampling				230			2.60			<u> </u>	3,00	
Sampling No.				G	e (' - 3 (1·0)	No XI					

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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling I	No.	(7eCC-1
Date	20/ Dec,	1 2000
Core ree	corder Such	aza

Depth (m)	3.0	3.1	3.2	3,3 	3,4	3,5	3.6	3.7	3,8	3.9	¥.0
Lithological Structure Sketch			·					· · · · · · · ·	I		
Lithological Symbol											
Color	2.57 9/3 Olive person	2.57 4/2 tark genyik Yellow	2.57 4 Yellowish	1 ~ gray ~	7.5 Y 4/1 gray		2.57 4 dark gray	12 just yello	v-	2.5× 4/ yeilowish	i gray
Soil Description	302 Sandy Silt	3,16 Clayey Silt	3,23m m.ganic flagment	lay_		3,5%	Clayey		3,85	Clay	
Labo. Sampling	\mid		3.16		· · · · · · · · · · · · · · · · · · ·	3.54					
Sampling No.			Geo	2C - /	- 4 (1	.38 mg/(g)	· • • • • • • • • • • • • • • • • • • •	÷.			

\$

Sheet No.

Gecc-1

.5

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

UnionPourashavaMouzaHat KaluganjLosationGirl School (Urban-2)	Thana	Chuadanga
	Union	Pourashava
Girl School (Urban-2)	Mouza	Hat Kaluganj
	Location	Girl School (Urban-2)

·	······································	
Date	20/Dec/2000	

Core recorder Suenaga

Drilling No.

4.0 4.2 4.1 4.3 4.4 48 50 Depth (m) 45 46 4.7 49 Lithological • Structure Sketch Lithological Symbol 5Y 4/1 5Y 4/1 Color ï gray gray clay 4.85 500 Silt for possible lanner 4.35- 4.45m Soil Description Trace fossil mino mia \$ 5mm ushe aroug 4,10 4.50 Labo. Sampling Gedd-1-5 Granding Sampling No.

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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	· (recc-)
	

21/Dec/ 2000 Date

Core recorder

Sucrasa

Depth (m)	5.0	5./	5.2	\$ <u>`</u> 3	5.4	2.2	5.6	\$.7 I	8,2	5.9	6.0
Lithological Structure Sketch						· · · · · · · · · · · · · · · · · · ·	-				
Lithological Symbol											
Color		57 4/ g.nay	1			gray			5 Y 4/, gray		
Soil Description	i	Claying a	Silt Anniae	5.33	C	loy	\$_6	6 fin	Silt e parallel	loniae	
Labo. Sampling				5	33		S, l	6			
Sampling No.					GeC	:d-/-	6 4-20 mg + 1	· }			

Sheet No: 7

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	Gecc-1	
Date 21 /	Dec / 2000	
Core recorder	Svenaga	

Depth (m)	6.0	6.10	6'20	6.30	6.40	6.50 I	6.60	6.70	6.80	6.90	7.0
Lithological Structure Sketch		······································			- <u></u>		· · · · · · · · · · · · · · · · · · ·				
Lithological Symbol											
Color		¢-	2.5 y 4/3 line brown	~ 5Y 4/1 grey							
Soil Description	0	• •	Clayey Viscosity	stilt high	-	50		Covic	Løs	+	-
Labo. Sampling	6.	0	······································	······································		6.50			••••••••••••••••••••••••••••••••••••••		
Sampling No.		Gi	eCC-1-7	s-96mg/Xg)			,		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	

Sheet No.

8

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling N	0.	Gecc-1
Date	21/	Dec / 2000
Core rec	order	Suenaza

					· · · · · · · · · · · · · · · · · · ·					
Depth (m)	1.0 7.1	72	7.3	7.¥	7.5	7.6	7.7	7.8	7.9	8.0
Lithological Structure Sketch								i_ i		
Lithological Symbol									/	· · · · ·
Color	7.5Y 4/1 gray	7.57 4/1 gray	7.5×4. gray	11	7.5 × 4/1 pray	2575 dard gra yell	yest 1			:
Soil Description	7.15 Sandy Silt	7.2 Silt für parailet loning	day	7,42	Clayer Silt	7.60 Vary de Sance micro Mi	(core /	los	÷
Labo. Sampling	7,00	<u> </u>		i.		7.60			Ż	
Sampling No.		Ge	• CC - 1 -	8 (0	74 ng/4g)				~~~~~	•

Sheet 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	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	GeCC-1
Date	21/Doc/ 2000
Core recorde	r Suenagua

87 88 9.0 8.1 82 8.5 8.6 89 80 8.3 8.4 Depth (m) Lithological Structure Sketch Lithological Symbol 57 4/2 grayisk oline 57 4/1 Color grant 8,50 Very fine Sand fine Sand Soil Description mino Mica Mica nich 8 86~8 92 f~m.s 8.50 Labo. Sampling \rightarrow Gedd-1-9 (2:45 m2/2) Sampling No.

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	Chuadanga				Drilling	No.		Gre	ecc-1	
Union	Pourashava					······································				
Mouza	Hat Kaluganj	lat Kaluganj				21	/Dec /	2000		
Location	Girl School (Ur	ban-2)			Core r	ecorder	Suinc	·za		
Depth (m)	9.0 9.1	9.2	9.3	9.¥	9.5	9.6	9.7	9.8	9.9	10.0
Lithological Structure Sketch				· · ·					<u>_</u>	
Lithological Symbol			1111							
Color	7.5 Y 3/1 olive black		5× 4/2 grayist	7.58 4/2 grazist oline						
Soil Description	Fine Sand Mica nich	9.28		Fine Sand Mica rúit		Core	2	le	got	
Labo. Sampling	<i>←</i>	9.25								
Sampling No.	Gell-1-	9		· · · · · · · · · · · · · · · · · · ·						<u> </u>

Sheet No. 1/

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	<u> </u>

Drilling	No.	Ge	eCC-1	
Date	21	Dec	/2001	
Core re	corder	Svena	за	

Depth (m)	10.0	10.10	10'20 1	10.30	10.40	10.50 1	10.60	10.70	10.80	10,90	11.0
Lithological Structure Sketch	1			t							
Lithological Symbol			· · ·	and the second sec	<u> </u>						
Color	7.5 Y grazish				· · · · · · · · · · · · · · · · · · ·		and the second sec	and the same second second second	·····		
Soil Description	f~m mice				Co.	(6		Cost			
Labo. Sampling	\square							·····			f
Sampling No.	:		,		-	· · · · · · · · · · · · · · · · · · ·					:

Sheet No. 12

Location	Girl School (Urban-2)
Mouza	Hat Kaluganj
Union	Pourashava
Thana	Chuadanga

Drilling	No.	GeCC-1
Date	21	/ December/2000
Core re	corder	Svenaga

Depth (m)	11.0	11:10) <u> </u> .20	11:30	11:40	11:50	11:60	11:70	11.80	11.90	12.0
Lithological Structure Sketch						<u>-</u>		I			
Lithological Symbol			· · · · · · · · · · · · · · · · · · ·	and the second sec		· · · · · · · · · · · · · · · · · · ·					
Color	7.5 370713	1/2 Loline						a second and a second and a second a se		<u> </u>	
Soil Description	11.02	10 n.s a rich ~11.04 F.S			Caria			(osh			
Labo. Sampling						<u></u>					
Sampling No.						<u> </u>					

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	Chuadanga	Drilling No. GeCC-1
Union	Pourashava	
Mouza	Hat Kaluganj	Date 21 / Dec / 2000
Location	Girl School (Urban-2)	Core recorder Suenaga

î

Depth (m)	12.0	12:10	12.20	12:30	12.40	12.50	12.60	12.70	12.80	12.90	13·0
Lithological Structure Sketch								<u> </u>			and the second sec
Lithological Symbol	-						<u>, , , , , , , , , , , , , , , , , , , </u>				
Color				ļ						· · · · · · · · · · · · · · · · · · ·	-
Soil Description		fine Soud		30			Co12			- - -	
Lapo, Sampling											
Sampling No.		7.		1				., <u>,,</u>			:

Sheet No.14

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling	g No.	(GeCC-1	
Date	21	Dec	12000	
Core r	ecorde	er Sver	zaga	

Depth (m)	13.	0 13	10	3.20	3·30	3.40	3·50 	13.60	3·70 	13.80 1	3.90	14.0
Lithological Structure Sketch			· · · · · · · · · · · · · · · · · · ·		на и тото со селото с 1997 — Полото селото					·		
Lithological Symbol				-			1 1		• . •		/	4 5 7
Color		SY 5/3 graish aline	staish al	ire groaist	1 5/3 - aline	54 G/3 aline tello) i	3123 4/1 5076			2	4
Soil Description		10 VF~ F.S	Y.F. Soni	20 L Fine	25 2 Sond	F~m.s	50 13-5 13-5	F - Said 2~54 m 7 3~70 m 7 V	70 FS	Core	X lost	:
Labo. Sampling		13.00						· · · · · · · · · · · · · · · · · · ·	13-70			
Sampling No.						Ge		- 10 (1:260	1.42	······		, ,

Sheet No.15

Location	Girl School (Urban-2)	Core recorder Suenaga	
Mouza	Hat Kaluganj	Date 21 / Dec /2000	
Union	Pourashava		
Thana	Chuadanga	Drilling No. GeCC-1	

Depth (m)	14.0	14.10	14.20	14.30	14.40	14·50 1	14.60	14.70	14.80	14.90	15-0 1
Lithological Structure Sketch		00 69 06 06 06 06 06		····		<u> </u>	<u> </u>		L		
Lithological Symbol			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u></u>			· · · · · ·
Color		,5 Y 5/, groz			and the second sec		· · · · · · · · ·				
Soil Description		15 F · Sex.2 12~ 33 m C.Ser.2								······································	
Labo. Sampling				a second and a second	·					<u> </u>	
Sampling No.	1				· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>			:

Sheet No. 16

5.0

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)
Location	

Drilling			eCC-1	
Date	21 /	Dec	/ 2000	
Core re	corder	Suen	aga	<u> </u>

			• •								
Depth (m)	15.0	15·10	15.20	15.30	15.40	15.50	15,60	15.70	15.80	15.90	1.0
Lithological Structure Sketch								L	<u>t</u>	 	
Lithological Symbol											<u></u>
Color		ę	5Y 5/2 progist. oline	-				· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • • •	
Soil Description			F.S.		-13		Core		Los.	f-	
Labo. Sampling			an a san	م الم الم الم الم الم الم الم الم الم ال							
Sampling No.			······	••					· · · · · · · · · · · · · · · · · · ·		

Sheet No. 17

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling	j No.	GeCC-1	
Date	21/Dec	12000	
Core r	ecorder	Suenaga	

Depth (m)	16·0	16.10	16-20	16·30	16.40	16.20	16.60	16 70	16.80	16.90	17.0
Lithological Structure Sketch						I	1 <u>-</u>				/
Lithological Symbol	0		N			· · · · · · · · · · · · · · · · · · ·					: :
Color		sy sy: grozish e	oline		SY grazis	6/2 1. olive		7.5 Y 4, gray	4		<u>i</u>
Soil Description		fine Sa		22	Fin	e Sand			78 Cor	e los	ł
Labo. Sampling			• • • • • • • • • • • • • • • • • • •		and the second	المراجع المراجع مراجع المراجع ال					
Sampling No.		······································	······································		v.			· · · · · · · · · · · · · · · · · · ·	·····		

Sheet No. 18

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.			GeC	C-1	
Date	21	1	Dec	12000	
Core re	corder	Su	enaga	· · · · · · · · · · · · · · · · · · ·	

Depth (m)	17.0	>	17.10	17.20	17:30	17.40	17.50	17.60	17.70	17.80	17.90	18.0
Lithological Structure Sketch						`						
Lithological Symbol												
Color		•	5. Yergerg	5/3 Olive	5Y 5/; 3104		1	57 3/1 he black				
Soil Description	, , , , , , , , , , , , , , , , , , ,	-	=.5		28 33 VF.S	Core	20	-m.s lica tich im GIM Blackish Im GIM	7	Corz	Lost	
Labo. Sampling		ی با در این میں میں این	· · · · · · · · · · · · · · · · · · ·	and the second		¥.,	• •	><			· · · · · · · · · · · · · · · · · · ·	
Sampling No.					3		N N					

Sheet No. 9

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling N	o. GeCC-1
Date	21 / Dec /2000
Core reco	order Suenaga

Depth (m)	18.0	18.10	18.20	18.30	18:40	18:50	18.60	18.70	18.80	18.90	19.0
Lithological Structure Sketch					· · · · · · · · · · · · · · · · · · ·			<u> </u>		<u></u>	
Lithological Symbol											
Color		· · · ·		7.5 Y oline	3/2 black						5
Soil Description				Fine Mica 8:22 ~ 27 VF: S	Sand Yich				77 Co	e X lo	
Labo. Sampling	-									-	s
Sampling No.											

Sheet No. 20

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	GeCC-1	
Date ZI /	Dec / 2000	
Core recorder	Suenaga	

Depth (m)	19-0	19:10	19 ₁ 20	19,30	19 ₁ 40	(3)5)	19-60	19.70	08; ^{et}	19.90	20 0
Lithological Structure Sketch					K		I				
Lithological Symbol				,					······		
Color		7.5 Y 5/1 groy		7.5 1 4/	1	7,5 Y 5/1 gray		7.54 aline	3/2 6/sck		
Soil Description		m ~ C sond mire rich	23.	Misand Trica ri	el. 	F. Sand Mice rist		53 - 3V	8	Core	Lost-
Labo. Sampling	19.	0			19.41						N i
Sampling No.		GeCC) - 1 - 11	un - Ang			*****		<u></u>		

Sheet No. 21

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling	No. G	eCC-1
Date	23/Decembe	r
Core r	ecorder Sae	

Depth (m)	20-0	20-20	29-20	20-54	20-40	20:50	20-60 1	20.70	29-23	20-20 - 2	22.0
Lithological Structure Sketch										· · · · · · · · · · · · · · · · · · ·	7
Lithological Symbol											
Color		54 5/2 grazish oline	grapish ob	54 5/2 10. 3107:01. olin.	2	57 5/1 9107	7.5 Y	4/1		~ 1	1
Soil Description	20.	1117 Fis 16~17 m Sit	Silts	28 38 E~ms mica rich	l l	50 51 51 51 51 51 51 51 51 51 51 51 51 51 5	20.02 - 22	F ~ Mis lick 1.75 Zumilet Izmina	Core	lost	5 7 7
Labo. Sampling		na an an an an ann an an an an an an an					9 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	and the second sec			
Sampling No.				·····						· · · · · · · · · · · · · · · · · · ·	: ; ;

Sheet No. 22

Thana	Chuadanga	Drilling No. GeCC-1
Union	Pourashava	
Mouza	Hat Kaluganj	Date 23/December / 2000
Location	Girl School (Urban-2)	Core recorder Suenopo

Depth (m)	21.0	21:10	21/20	21-30	21-40	- 2	1.50	21-90	<u>21-5</u> 1	70 21-	87 2019	·> 22·0
Lithological Structure Sketch					·····	. /	/					/
Lithological Symbol							: 					
Color		2.15 Laisers	5/3 Ostense				54 grozish				· · · · · · · · · · · · · · · · · · ·	
Soil Description	0	Silly	VELS	23 .	COIE X	105+	so Sitty	64 V.F. S	VF - f mica with more (10: 21,69-70 21,77-78	· 5 79 rich len frogment * 5 mm) clay (abie term) sitt	Care X	losi
Labo. Sampling	21.0			21.30	2 2	× `.	21.50		••••••••••••••••••••••••••••••••••••••	2173		
Sampling No.	G	reCC-1-	12 (r.	Signation of				Gell-	1-12	· · · · · · · · · · · · · · · · · · ·		

Sheet No. 23

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

Drilling No.

Thana	Chuadanga	
Union	Pourashava	<u> </u>
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Date	23/December/2000	
Core record	der Suenaga	

GeCC-1

Depth (m)	22.0 22.10 22.20	22;30 22:40	22:50	22.60	22.70 22.80	22.90 23.0
Lithological Structure Sketch						
Lithological Symbol						
Color	54 5/2 grazist oline			54 5/2 grazist oline		
Soil Description	F.S mica rich 22.10 wood flogment (6x4mm) 22.29~30 silt (light gray)	30 Core	Lost 50	clayey vr ~ Fs Mica tich	75 Co	re Lost
Labo. Sampling						
Sampling No.		./	N i			

Sheet No. 24

· · · · · · · · · · · · · · · · · · ·
· · ·
ban-2)

Drilling	No.	GeCC-1	
Date	23/D	ecember / 2000	· ,
Core re	corder	Suemaga	

Depth (m)	23.0	23;10	23 ₁ 20	23,30	23.40	23,50	23,-60	23:70	23,80	23,90	24 0
Lithological Structure Sketch		· · · · · · · · · · · · · · · · · · ·	I				<u></u>	I	1		
Lithological Symbol											
Color		5Y : grazis	5/2 h olivo					· · · · · · · · · · · · · · · · · · ·			
Soil Description	0	NF o Mica	- F.S rich	35			Core		Lost		
Labo. Sampling											·····
Sampling No.									•. •••••••••••••••••••••••••••••••••••		· · · · ·

Sheet No. 25

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	<u>No.</u>	GeCC-1	
Date	23/D	ecember/2010	
Core re	corder	Suenaza	

Depth (m)	24.0	24.10	24.20	24-30	24.40	24,50	<u>(4,6)</u>	54.70	21-25	24 S.)	25-0
Lithological Structure Sketch										<u>F</u>	
Lithological Symbol					· · · · · · · · · · · · · · · · · · ·						/
Color		57 5% grazisi	oline			į	5Y 5/	2. Oline	1	/	1
Soil Description	0	ya ∼ F nica ni		<u></u>	Chis V Fo		TF ~ F mica Y tagnent	3 ch (2×4 mm)	83	Core X to.	st-
Labo. Sampling		ta ang ang ang ang ang ang ang ang ang an		-			••••				
Sampling No.					· · · · · · · · · · · · · · · · · · ·		· · ·		- 		

Sheet No. 26

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No	GeCC-1	
Date	23/ December / 2000	
Core reco	rder Suenaga	

Depth (m)	<u>i</u> ge.,)	25.10	25+20 1	25-30	25-40	25.51	25.60	25-70	25-80	25,90	26:0
Lithological Structure Sketch						·			<u>,-</u>]			
Lithological Symbol										 		
Color		erg Jeigerg	12 oline	EV 5% grazish eline		· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>				
Soil Description		sitty mica		f.s mica vict	· · · · · · · · · · · · · · · · · · ·		Core		Le	rst		. <u>.</u>
Labo. Sampling			>			<u></u>						:
Sampling No.		·		}			·····	·····				·····

Sheet No. 27

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Date	23/Dec	2000	

Depth (m)	26.0	26.1	26.2	26,3	26,¥	26.5	26.6	26.7	26.8	26.9	27.0
Lithological Structure Sketch			000					<u></u>			
Lithological Symbol											
Color	91	5% 5/2 again bline									
Soil Description	26.15.	5 nich 20 silty. -20 trace fo	26,20 suit	·····	cor	e	\ge		loet		
Labo. Sampling		\geq									
Sampling No.							· · · · · · · · · · · · · · · · · · ·		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		

Sheet No. 28

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling N	0	(7 <u>e</u> CC-1
Date	23/ Dac/	2000
Core rec	order Sura	R

Depth (m)	27_0	27.1	27.2	27.3	27.¥ 1	27.5	27.6	27.7	27.8	27.9	28.0
Lithological Structure Sketch											······································
Lithological Symbol											
Color	5 Y grayis	5/2 h oline	ST 5/1 gray				SY S/i gray	575/, 077041	st 5/, gravj		5Y S/1 gray
Soil Description	t	27.) m · 5 . rich	5 27.20 F.S Poracial Ramos	cne /	lost		50 F.S Micanich	27.70 27.78 14f · 5 Mica nich	2 VF~F~S Mico nick	7.90	28.00 f.s uien rich
Labo. Sampling		>					a an an an ann an an an an an an an an a				
Sampling No.											· · · · · · · · · · · · · · · · · · ·

Sheet No. 29

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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

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling	No	(7eCC - 1)
Date	23/ Dec,	2000

Core recorder Suena za

Depth (m)	28.0	28 <u></u> 1	28	Z 28	<u>्</u> उ ।	28.4	28.5	28.6	28.7	28.2	28.9	29.0
Lithological Structure Sketch			• • •	* • • • • • • • • • • • • • • • • • • •		D	ba	*	•		······································	
Lithological Symbol												
Color			5/1	,	/	····•	7.57 41 gray	1			SY S/1 gray	
Soil Description	28.00 28.11 28.26	f ~ ~ Mira ri ~ 15 ? Mirc ~ 27]	A		28.35	28.35-40 28.35 28.60-70	Mica rick Mica rick Mica densel Alem clay bai Wood florm	्र भू	28.75		f.s icn nich	29.00
Labo. Sampling					······	·····			<u> </u>	28.75		\rightarrow
Sampling No.				<u></u>						G	eCC - /-	13

Sheet No. 30

Union Pourashava	
Mouza Hat Kaluganj	······································
Location Girl School (Urba	า-2)

Drilling N	NO	GeCC-1	·····
Date	23/Dece	ember/2000	
Core rec	order	Cuenaga	<u></u>

Depth (m)	29.0	29-10	29-20	29.30	29,40	29.59	29.60	29.70	29.80	<u> </u>	30
Lithological Structure Sketch	1								·		
Lithological Symbol								i i			<u>.</u>
Color			57 5/1 grag		<u></u>		5Y 5/1 grag				<u> </u>
Soil Description	0 29	ri 23m Wood	F.S lica rich flagment (2)	<3mm)		50	$F \sim m \cdot s$ mica rich	70	Core	los+	
Labo. Sampling				29.35							
Sampling No.		GeCC-	1-13 :::::	-) ¹ −)							<u> </u>

Sheet No. 31

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling	No. GeCC-1	
Date	24 / December / 2000)
Core re	corder Suenago	· · · · · · · · · · · · · · · · · · ·

Depth (m)	30-0	30-10	30.20	30:50	30.40	30.50	39.60	30.70 30.8	0 30.90	31.0
Lithological Structure Sketch										
Lithological Symbol										/ .
Color		SY 5, graf	1		5Y 5/1 gray	1.57 57 5/ 5/1 81+7 8107	5Y : 910	5/1	\sim	
Soil Description	0	F~m mica r		30	F.S mica rich	50 53 5 clay v <i>f</i> Silt	F.S	76	Core los	;+
Labo. Sampling					Formation of the strategy of t				/	
Sampling No.	2					:		1/		N. :

Sheet No. 32

Thana	Chuadanga				
Union	Pourashava				
Mouza	Hat Kaluganj	_			
Location	Girl School (Urban-2)				

Drilling	No.	GeCC-1	
Date	24/ De	cember/2000	
Core r	ecorder	Suenaga	

Depth (m)	31 0	31.10	31.20	31.30	31.40	31.50	31.60	31.70 1	31-80	31.90 I	32.0
Lithological Structure Sketch											
Lithological Symbol						• •					:
Color	579, 907	575/1 8107	prestish block	2.5 Y E/2 gravish tellow		. Stree Charles and		104 4/5 gray			1
Soil Description	04 VF-S	F·S mica rid	22 23 26	35 F.S mica rich	Corello	sc :+) 31 60 ~ 63 - 5illy	F.S mica vi VF ~ V			
Labo. Sampling		The second s		المعد المنتخب التي المالية المنتخب الم المنتخب المنتخب							
Sampling No.											:

Sheet No. 33

THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS

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

Chuadanga					
Pourashava					
Hat Kaluganj					
Girl School (Urban-2)					

Drilling No.	Geuu-T	
Date 24 / [ecember/2000	
Core recorder	Suenaga	
	U	

0.004

Depth (m)	32.0	32.10	32.20	32.30	32:40	32:50	. 32.60	32.70	32,20	32.90	33·0
Lithological Structure Sketch						\wedge		· ·	Ø		
Lithological Symbol											
Color		5Y grayish	5/2 dive	-1	syg /	/ .		57 5/2 groziste olin	9 .		1
Soil Description	0	F mica	rich	m	32 F.s Core ica rich	lost	32:77 ~ 89 32:88 ~ 30	F.S mica vich Ø3 cm elay b VF ~ F.S	all (gry)		
Labo. Sampling					1/						
Sampling No.						\!					,

Sheet No. 34

Thana	Chuadanga				
Union	Pourashava				
Mouza	Hat Kaluganj				
Location	Girl School (Urban-2)				

Drilling No.		GeCC-1	·····
Date	24/D	ecember/2000	
Core re	ecorder	Suenaga	

Depth (m)	33.0	33.10	33.20	33 <u>,</u> 30	33:40	G3.2<)	33.60	33·70	3 3 .ह(0 33.90	34.0
Lithological Structure Sketch	-										······	
Lithological Symbol					,							
Color		· ,	5Y 5/2 grozish ali	ሳደ.		7.5 gr:		Y 5/1 rang	7.5 Y 6/1 grag			
Soil Description	0	iny	f.s carich			50 VF	10.10	63 S a rich Ga- 53	Silty VES	80	Core	:† :
Labo. Sampling	33.00					33-50						
Sampling No.		Ge	CC -1 - 14	To per 143					<u> </u>	1		

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	Chuadanga		Drilling No.
Union	Pourashava	v	
Mouza	Hat Kaluganj		Date 24 / D
Location	Girl School (Urban-2)		Core recorder

Date 24 / Dec / 2000	
Core recorder Sue naga	

GeCC-1

Depth (m)	34.0 34.10 34.20 34.30 34.40	34.50 34.60 34.70 34.80 34.90 35.0
Lithological Structure Sketch		
Lithological Symbol		
Color	57 5/2 gragish oline	5Y.5/2 groziste oline
Soil Description	Fis mica rich 24.08-13 Silt black (2x 2 cm) Galt grag	50 lost F.S Core lost mica rich 34.55~60 clay block (2×6cm) bill gray
Labo. Sampling		
Sampling No.		

Sheet No. 36

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	GeCC-1	
Date 24 / [ecember / 2000	
Core recorder	Suenaga	
	Ú	

Depth (m)	35.0	35.10	35.20	35-30	-35 <mark>-</mark> 40	35 50	35.60	35 70	35-80	35-90	360
Lithological Structure Sketch										1	
Lithological Symbol	1									/	
Color		5Y 5/1 . groz	57 5/2 8873js	h clina		/ 54 5/3 grag		54 5/1 8144		\mathcal{N}	
Soil Description		12 F·S nica rich	F~V. mica		Core	50 56 Lost VFS	mic	F.S 0. rich 2 Sondz Sill		ione, loss	
Labo. Sampling											
Sampling No.				· · · · · · · · · · · · · · · · · · ·				· · · · ·			<u> </u>

Sheet No. 37

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

Union	Pourashava	
Mouza	Hat Kaluganj	Date 24
Location	Girl School (Urban-2)	Core record

Date	24 / December / 2000	

GeCC-1

Core recorder Suenaga

Depth (m)	36.0	36:10	36-20	36.30	34-40	36.9	50 36.60	36.70	34.20	36.20	37.0
Lithological Structure Sketch							······································			· · · · ·	
Lithological Symbol								۰			
Color		5Y 972	· -				5Y gra	5/1		$\langle \rangle$	
Soil Description	0	Silty M	IF.S ica rich	35	Core	50 lost	VF ~ mica	f.s rich	80	ore	lost
Labo. Sampling										/	N i
Sampling No.					/*			-	1		N.

Sheet No. 38

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

	Drilling	No. GeCC-1	
Date 24 / December / 2000	Date	24 / December / 2000	
Core recorder Suenaga	Core re	ecorder Suenaga	

Depth (m)	37.0	37.10	37.20	37:50	37 ·40	37:50	37:60	37 .70	37.80	37,90	38.0
Lithological Structure Sketch							<u></u>	······			
Lithological Symbol						-				N.	
Color		57 5/1 groz	7		7,	5 Y 5/1 grag					
Soil Description		NF ~ F.S mica rich	24		аn	F.S lica rich			82	Core	Los+
Labo. Sampling				3	1.32			<u></u> .	37.82	/	N
Sampling No.					÷.	GeCC-	1-15	[-{) m=/k1			

Sheet No. 39

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	No.	GeCC-1	
Date	_24 / 0	ecember/2000	
Core re	ecorder	Suenoga	

Depth (m)	38.	0 38.10	38.	20 38	1:30	38:40	38-1	50 38	60	32.70	38.8	0 38.9	0	39.0
Lithological Structure Sketch							/							7
Lithological Symbol				- - -				·····	······································					
Color		grozish dine	54 5/1 graz	57 5% graz	í		/	······································	5Y 5/1 gray			<u>`</u>	/	
Soil Description		0 3 Silty VF:s mica rich	5 23 VF·S mica rich	F-3	35 k	Core	so lost		NE-S ica ric	h	03	Core	lost	
Labo, Sampling				المسالف الى المسالف ال مالية المسالف ال								/	N,	
Sampling No.					ļ	/		· · · · · ·			1	/	· · · ·	$\overline{\backslash }$

Sheet No. 40

Chuadanga	Drilling No. GeCC-1
Pourashava	
Hat Kaluganj	Date 24 / December /2000
Girl School (Urban-2)	Core recorder Suenaga
	Pourashava Hat Kaluganj

Depth (m)	39.0	39.10 39.20	39.30 3	9.40 39.50	39.60 3	9.70 39.8	0 39.90 40.0
Lithological Structure Sketch					I		
Lithological Symbol							
Color	SY 5/2 grozisticoline	5 Y 5/1 8103			SY 5/1 graz		
Soil Description	0 8 Silly YF~F.S	F.S Mica rie	53 Cor	e lost	F.S mica rich	20	Core lost
Labo. Sampling							
Sampling No.			/		₹.		

Sheet No. 41

Chuadanga	
Pourashava	
Hat Kaluganj	
Girl School (Urban-2)	
	Pourashava Hat Kaluganj

Drilling No.		GeCC-1	
Date	24 /	December/2000	
Core recorder		Suenaga	

Depth (m)	40.0 40.10	40:20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	41 D
Lithological Structure Sketch			· .]							
Lithological Symbol									/	:
Color	5Y 4/1 grag	graish	1 5/2 oline	\sim	54 giogish	5/2 - Oline	57 4/1 giay			:
Soil Description	O Fis mica rich	1	35 tz F.S e rich	Core Loct	eilt eilt	g F.s rich	F.s Mice rich	80 Cor	e lost	
Labo. Sampling										
Sampling No.				· .		2				$\overline{\langle \cdot \rangle}$

Sheet No. 42

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

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	GeCC-1	
Date 24/	December/2000	
Core recorder	Suenaga	······································

Depth (m) 41.0 41.10 41-20 41.30 41.40 4150 41.60 41.70 41.86 41.90 42.6 Lithological \emptyset Structure Sketch 9 0 5 Lithological Symbol 5Y 5/1 5Y 5/2 . 7.5 Y 4/1 Color 10 Y 4/1 grovish aline groj 3107 graz 11 35 50 65 Core Silty VF~ Fis Lost F۰S VF~FS VF~FS Soil Description mica rich mica rich mich rich, trace fassil (3x5 cm) . mica rich Labo. Sampling Sampling No. ۰.

Sheet No. 43

Thana	Chuadanga 🗠	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	GeCC-1		
Date 24 / [December / 2000	,	
Core recorder	Suenaga		

Depth (m)	420	42 <u>-</u> 10	42·20	42.30	-12-40	42.50	42:50	42.70	42.30	-12-90	43-0
Lithological Structure Sketch	0	· · · · · · · · · · · · · · · · · · ·									
Lithological Symbol		,								1 \	/
Color			10 Y 4/1 gray		<u> </u>	7.5 Y 4/		7.5 Y 4/1 giay			
Soil Description		mi 42:39 ~ 40		(42:00~05) trace fassil (brown)	(3×5 cm)	50 F · S	58 62 Silty VF~F3 4	F~m.s mica rich 2.62~64 clay block (2 yellow		Care	.ost
Labo. Sampling	42.00					42.50				/	
Sampling No.		Gie	.CC-1-16	1-62 m /	(a.)	•			/	e 	· · · · · · · · · · · · · · · · · · ·

Sheet No. 44

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	No.	GeCC-1	
Date	24 /	December/2000	
Core re	corder	Suenoga	

Depth (m)	43.0 43.10 43.20	43:30 43:40	43,50 4	3.60 43.70	43.50 43.90 44.0
Lithological Structure Sketch	Ø			O'	
Lithological Symbol					
Color	7.5 Y 4/1 graz		7.57 4/1 gray	5Gn 4/1 ~ 2.5GN 4/1 dark dark aline greenisk gray gray	
Soll Description	22 F~ M·S mica rich 43.17~18 cloy block(1x2cm greenish gray	Core lost	50 59 13:51 F~m.s mica rich	74 Silty m·s	Core lost
Labo. Sampling					
Sampling No.					

Sheet No. 45

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling N	0.	Gecc-1
Date	24/Dec	2000
Core rec	order Suzmag	×61,

Depth (m)	44.0 44.1 40	4,2 44.3	44 4 4. 1	¥.S 44	6 <u>XX.7</u>	44.8	44.9	45.0
Lithological Structure Sketch	\mathcal{O}							
Lithological Symbol								
Color	5GY 4/1 dark olive gray			56 5/1 greenisk gray	2.5GT 4, dard oline ;		2.5 GY 5/1 oline gray	
Soil Description	4400 20 m. S Mica nick 4401-4 clay block (1230m) ystlow brown	core	lost	44.50 60 Silly from S	m-C·s Mica nick	87	C·S mica nich	5.00
Labo. Sampling								
Sampling No.								<u></u>

Sheet No. 46

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	(7eCC-1
Date	24/Dec/2000
Core record	er Suenera

Depth (m)	45.0	¥3 	5.7	45.2 1	45 3 1	45.4	45.5	45.6	45.7	45,8	45.9	46.0
Lithological Structure Sketch			р)		r 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	•	r	0 0		· · · · · · · · · · · · · · · · · · ·	
Lithological Symbol												
Color	oline gr						2.5GY 4 oline gr			<u> </u>		· · · · · · · · · · · · · · · · · · ·
Soil Description	Silty . Mica	rick	45.10-11	fin fellfle (f		ca ricR 45.43~45 50	rd Pabble (i tark green . s		45.65~70 fin	e Politie (4~	10 mm)	
Labo. Sampling		\leq	45.10			· · · · · · · · · · · · · · · · · · ·		4	\$.70			<u></u>
Sampling No.					Ge	ĆĊ - /	- 17 (*	24 ₁₆₇ .(kg)		<u></u>	*.	

Sheet No. 47

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	No.	Gecc-1
Date	24/	Dec/ 2000
Core re	corder	S weno ya

Depth (m)	46.0	46./ 46 1 I	2 46.3	46.4	46.S 4	6.6	46.7	46.8 46.9	47.0
Lithological Structure Sketch		1.0		0	0			<u>l</u>	<u>l</u>
Lithological Symbol								·····	
Color	2.5 GT 4/1 Sort dive ge	az SGT 4/1 dark clinx gray	7.57 Zraga	r 4/2 ish olinic		2.557 4/ dord obie gray	576/2757 3my al 9/2 olhe	7.57 4/2 gray int stine	
Soil Description	C · S Mina nick	> 20 m ~ C . 5 Mecanical 46. 13~14 tice Pellle (trn) 46. 5~ 20 to a Pell, 8. 6-10	m ica	46,56~58 2×3	60 Pelible (Zeartyite, cm hand	68 m. S. Mica such		ۍ <i>،</i> ۍ	47,00
Labo, Sampling		• 				··· •	.t <u></u>		<u> </u>
Sampling No.	: -			, ,	······				

Sheet No. 48

Chuadanga					
ava					
ganj					
ool (Urban-2)					

Drilling No.	GeCC-1	
Date 24 /	December / 2000	
Core recorder	Suenaga	

Depth (m)	47.0	47.	10	47.20	. ,	47.30	47.4	0 47·5	0	47:60	47.70	47.80	-17.90	48.0
Lithological Structure Sketch			· ·		· · · · ·	• •	0	· · · · · · · · · · · · · · · · · · ·				$\sum_{i=1}^{n}$		
Lithological Symbol														
Color	F 1	5 Y 4/2 yish oline	7.5 Y giarish	4/2 Oline		54 6/2 grazish olin	a 7.54	7.5 Y 4/2 grozish oli	~.R.	2.5 Fry 9/ data aline gray	7.5 Y 4/2 grayish deine			[
Soil Description	¥1	10 ~ C S		1 · S	28	3: C : S	6 4a 19.5 47.38~ 40 Fine Felile	C. S	53	65 F~m-S	m·s	Core	lost	
Labo. Sampling				Nandagangkan yana sa ka ka panga sa ka panga Kanang nganggangkan sa ka panga	· · · · · · · · · · · · · · · · · · ·	۱۹۹۰ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ ۱۹۹۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹ - ۲۰۰۹	nakona ar - pinana ar -							
Sampling No.					·								· · · · · · · · · · · · · · · · · · ·	$\overline{\left\langle \cdot \right\rangle}$

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	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	Geoc-1		
Deta 04 / No	cember/2000		
Date 24 / De			
	Suenaga	<u></u>	

-CC 1

Depth (m)	48.0	48.10	48.20	48:30	48:40	43,50	48.60	48.70	48.80	48-30 49	9·0
Lithological Structure Sketch											7.
Lithological Symbol	Anna dan summer										
Color		<u> </u>	7.5 Y qrozish	4/2 cline			SY grayish	5/2 pline		$\langle \rangle$	-
Soil Description		48.08 ~ 43.25 ~	10 35 } f ~ m	m	٠S	50	m		80 C	ore lost	: *
Labo. Sampling		· · · · · · · · · · · · · · · · · · ·		n an	and the second s		······································	······	1/		-
Sampling No.							- <u></u>		1/		·

Sheet No. 50

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	GeCC-1
Date	24/ Dec/ 2000
Core record	ler Suenaga

Depth (m)	49.0 	49.1 c	49. 2 I	49.3	49.¥	49.5	49.6	49.7	49.8	49.9	50.0
Lithological Structure Sketch					······································	 			_ I	<u> </u>	
Lithological Symbol		•			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · ·			
Color	:										
Soil Description				core	-			lost			
Labo. Sampling											
Sampling No.							······				

Sheet No. 51

Chuadanga	
Pourashava	
Hat Kaluganj	
Girl School (Urban-2)	
	Hat Kaluganj

Drilling No	GeCC-1	
Date	31 / December / 2000	
Core reco	rder Suenaga	

Depth (m)	50.0	50,10	50.20	50¦30	50:40	50.50	50.60	50-70	50.80	50.90	51.0
Lithological Structure Sketch						· · · · · · · · · · · · · · · · · · ·		· -			
Lithological Symbol	4 mar	· · · ·									
Color					•				7.5	Y 9/1 1107	
Soil Description				Core		lost			15	m · S	
Labo. Sampling							•				
Sampling No.				, , , , , , , , , , , , , , , , , , ,	- <u>na</u> r		· · ·				

Sheet No. 52

Chuadanga	-
Pourashava	_
Hat Kaluganj	_
Girl School (Urban-2)	_
	Pourashava Hat Kaluganj

Drilling	No.	GeCC-1	
Date	31 / De	ecember/2000	
Core re	corder	Suenaga	

Depth (m)	51.0	51-10	51 20	51 <mark>:</mark> 30	51·40	51	·50 51.6	0 51.	70 51	so 5	1,90 52.0
Lithological Structure Sketch								0			
Lithological Symbol											
Color		-	7.5 Y 9/1 graz	<u> </u>			7.54 5/2 grazish oline	5 GY 9/1 dark oline giny	7.54 4/1 gray		
Soil Description		51.06 ~ 10 51.10 ~ 12	$m \cdot s$ $m \sim C \cdot s$ $F \sim m \cdot s$			50	E2 m~Cs mica rich	Silty F~rn.s grading	80 m~c.s	Core	lost
Labo. Sampling		· · · · · · · · · · · · · · · · · · ·	ан талан алар арада ар	د و همه ما وهمه میکند اور و میکند میکند و میکند. و میکند میکند و میکند اور و میکند و میکند و میکند و میکند.							
Sampling No.		<u></u>								V	

Sheet No. 53

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling N	10.	GeCC-1	
Date	31/	December/2000	
Core rec	corder	Suenaga	······································

Depth (m)	52.0	52-10	52.20	52.30	52.40	52,50	52.60	52:70	52.80	52.90	53.0
Lithological Structure Sketch		° Q			/			<u>-</u>		l	
Lithological Symbol							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Color		7,54 4 graz		••			7.54 4/1 graz		SGY 4/3 dark clina gray		
Soil Description	1	2-27 ~ 30 Silt	le (2.5×1 c 3 F~m	1	Core	50 lost	m · s	77			
Labo, Sampling		52·05	\$2.2				52.55	52-75	\geq	1	
Sampling No.		GeCC-I	-18 inorto)		/	V	GeCC-	- 18		<u>,</u>	

Sheet No. 54

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	No.		
Date	<u>31 / De</u>	ecember/2001	
Core re	ecorder	Suenaga	

Depth (m)	53.0	53.10	53.20	53.30	53 40 53 50	53.60 53.70	53.80 53.	90 54.0
Lithological Structure Sketch		-						
Lithological Symbol					· · · · · · · · · · · · · · · · · · ·			
Color	-	7.54 4/1 grog		7.544 3103	7.54 4/3 graz	7.5 Y 4/1 gray		/
Soil Description	0	m s		30 35 vf " ^{F 3}	m S	60 F~m.s mica rich	80	
Labo. Sampling				۵۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰				
Sampling No.								

Sheet No. 55

Thana	Chuadanga		Drilling No.	Grecc-1
Union	Pourashava	_		
Mouza	Hat Kaluganj		Date 31	Dac / 2000
Location	Girl School (Urban-2)		Core recorder	Sullaga

Depth (m)	54.0	\$4.1	54.2	54.3	54.4	54.5	54.	6 54,7	54	(8 5)	49 5 5,0
Lithological Structure Sketch			· ' ·	· · · ·	· · · · · · · · · · · · · · · · · · ·				0		
Lithological Symbol											. `
Color	7.574) 27ay	1			7.58 4/1 gray		·	······	SETUY	5 × 5/2 groyich oline	5GY 4/1 dark cline gray
Soil Description	f.s time vf.	10	4.15-30 mice		f - m - s incar rich	54.7;	4~76	Pebble (0.5-2000)	76 80 Suitz F.S hand	90 C S	£.5
Labo. Sampling							******				
Sampling No.				·.						- <u>.</u>	-

Sheet No.

56

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	Gecc-1
Date	31/Dec/ 2000
Core recorder	Swenaga

Depth (m)	55 0	55.1		55,2 1	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0
Lithological Structure Sketch	•							;			,	
Lithological Symbol												
Color	gri	54 5/2 wish oline	1.5684/ dirk. dire grog	ST-1/2 graziel olis	2.56×4/1 dark aline gray			7.5TS/ gray	í	- <u></u>	_ <u></u>	2.567.84
Soil Description		m~c·s 13		÷	.15 Si.lty-f:5			F - m.s mica rick			95	Silly F-s
Labo Sampling		- -					,					
Sampling No.					* <i>.</i>			,			/ <u></u>	

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	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	Grecc-1
Date	31 / Dec/ 2000
Core recorder	Swenzya

56.0 \$6.1 56.2 56,3 56.4 56.5 56.6 56.7 56.8 Depth (m) 56.9 57.0 1.4 Lithological 11) 1.1 Ę ł Structure Sketch 1.1.4 . • € Lithological Symbol 23GY4, 7.5Y 5/1 2.598 4/1 2.5GT 4/1 1.5× 5/1 Color dark aline gray dark aline gray gray gray 65 64 30 80 Silty from.s fam.s Siltay F.S $Vf \sim f \cdot S$ m.s Soil Description Labo. Sampling Sampling No.

Thana	Chuadanga				Drilli	ing No.		Gie	CC-1	
Union	Pourashava								······································	
Mouza	Hat Kaluganj				Date	9	31/ De	c/20	00	
Location	Girl School (Ur	ban-2)			Core	e recorder	the second s	no.ga		······································
				· ·		······				
Depth (m)	57.0 51.1	57.2	57.3 I	57.4	57.5 I	57.6	<i>5</i> 7.7	57.8	57.9	58.0
Lithological Structure Sketch			······································						·····	
Lithological Symbol		:				· · · · · · · · · · · · · · · · · · ·			······································	
Color				2.5GY 5 sline gr	71 ay					
Soil Description			· /	F.S mica wich		57.70 57,90-	- 12 Rockied for - 95 mica d	rown I.S. li anatley	aninae	
Labo, Sampling	57.00	· · · · · · · · · · · · · · · · · · ·		57	1.50					
Sampling No.	Geda	'-1- 19	?,							

Sheet No.

59

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	Gecc-1
Date	31/ Dec/ 2000
Core recorder	Suenaza

Depth (m)	58.0	58.1	58.2	58.3	58.4	\$8.5	58.6	58.7	58.8	58.9	59.0
Lithological Structure Sketch											i
Lithological Symbol	:										
Color		2.567 5/1 Oline gray		2.544 5% sline gray	2.567 4, dark oli gray	ha		Z.SGT Oline gr	5/1 ay		
		<i>f</i> .s	25	yf - f·s	silty Vf-f.	50		2.4			
Soil Description					Vf * f ·	1	58.80~83	mica dense	ly.		
Labo. Sampling						<u>_</u>		· ·			
Sampling No.			······································			·.		<u></u>			

Sheet No. 60

Thana Chuadanga	
Union Pourashava	а —
Mouza Hat Kalugar	nj
Location Girl School	(Urban-2)

Drilling No.	GeCC-1
Date	31/ Dec/ 2000
Core recorder	Suenagu

Depth (m)	59.0	59.1	59.2	59.3	59.4	59.5	59.6	\$9.7	59.8	59.9	60.0
Lithological Structure Sketch				<u> </u>					······································		<u> </u>
Lithological Symbol				· · · · · · · · · · · · · · · · · · ·							<u>t </u>
Color		GT 5/1 gray		dark olin	GY 4/1 c gray	dar	2.367 4/1 Le aline gray	2.5GY oline g		2.597 4/1 dark oline gr	
Soil Description		F.S .	22	Silty 59.25m céa	Vf~f.s y (0.scm) brow		62 17~f·s	f~m mica n		silty vf~+	ي، ۴
Labo. Sampling				·····							
Sampling No.				· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	······································			

Sheet No. 61

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	GeCC-1
Date 01/Januar	3/2001
Core recorder	Suenaga

Depth (m)	60.0 60.1	0 60.20	60.30	60.40 60	50 60 60	60.70 ¢0.80	60.90 61.0
Lithological Structure Sketch			I		I		
Lithological Symbol							
Color	Jork oline gray	54 5/3 grazist oline	SGit 9/1 dark aline gray	2.5 Gry 9/1 dark sline yrag	SGY 4/1 dark oline yrong	SGY 9/1 dork olice gray	
Soil Description	12 F~m.s Parallal lominae	22 m~ C·S	F.S mica rich	40 50 VF ~ F S	Silty VF~FS	70	90 Core/lost
Labo. Sampling							
Sampling No.		•		,			

Sheet No. 62

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling	No.	GeCC-	1	
Date	01/Ja	nuarg / 2001		
Core r	ecorder	Suenaga		

Depth (m)	61	_	.10	61.20	61:30	6:	1.40	61	.50	61.60	61.70	6	.80	61.90	62.0
Lithological Structure Sketch					0.00	,								- <u></u> .	
Lithological Symbol								/.		9 <u>, , , , , , , , , , , , , , , , , , , </u>					
Color		7.54 5/1 gray		SGIV 4/1 oline group		SGY 5/1 oline groy		/	d	5Gry 4/1 and sline gray	-	2.5 GY	- donk olis gray		
Soil Description		10 M.s		VF ~ F.S Mica rich BSm Silt bloi (max 1 cn	ex a alian gror)	Silt	Core	so lost \		Fis mica rich	75	80 VF:S Paralial Lominae	Core	X	lost
Labo. Sampling										······	· · · · · · · · · · · · · · · · · · ·			<u></u>	
Sampling No.							/				· · · · · · · · · · · · · · · · · · ·	;			<u> </u>

Sheet No. 63

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.		GeCC-1	· · · · · · · · · · · · · · · · · · ·
Date	01/J	lanuary /2001	
Core re	corder	Suenaga	

Depth (m)	62.0	62:	10	62.20	62-30	6	2:40 62 1	2.50	62.60	62 70	62.80	62.9	90	63·0
Lithological Structure Sketch							/			· · ·			· \	
Lithological Symbol														/
Color		2. dark d	5GY 9/		2.5 GY 4/1		<u> </u>	2.50 dal din	gray	54 5/1 group		2.5 GY 3		
Soil Description	0		~ m.s .a rich	27	32 Sill7 VF-S	Corr	2 Lost sc	F~"	62 1.S Clayey 610wn	F. S	82	9 0 VF~FS	Core	ost .
Labo. Sampling						/					•-		/	/i
Sampling No.				<u></u>	<u> </u>	/							/	

Sheet No. 64

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	(7eCC-1
Date	1 / Jan / 2001
Core recorder	Suaraya

Depth (m)	63.0	63 [63	<u>ع</u> ا	63.3	63.4	63.	5 63	6	63	.7 63	8	63.9	64 .0
Lithological Structure Sketch				0	<u></u>				0				r • •	, , 1 , 1 , 1 , 1 , 4 , 1 , 5
Lithological Symbol														
Color		1.5 Y 5/2 grayist die			54 5/1 gray		7.5GY Hi Jonin 197	7.57 5/1 gray	56 Y6/	2.5GY 4/i	2.5GT 4/, dark olin gray	do	2.567 4/1 Moline gray	
Soil Description		m. 5	20	63.23~2	f - m.s 5 silt block	45		61 f~m·s	66	70 f-#\$	80		f - m . S mina rich	. <u></u> .
Labo: Sampling			-							L	<u></u>			
Sampling No.				<u>_</u>				• · ·				···		

Sheet No. 65

Location	Girl School (Urban-2)
Mouza	Hat Kaluganj
Union	Pourashava
Thana	Chuadanga

Drilling No.		GeCC-1	
Date	01/Ja	nuary / 2001	
Core re	ecorder	Suenaga	

Depth (m)	64	0	64	1·10	64	4.20	6	4.30	64	• 40	64	-50	64	60	64	·70	618	0 0	5.90	66.0
Lithological Structure Sketch		0				<u> </u>		<u> </u>						-			l ,			
Lithological Symbol				<u> </u>		,														
Color				-		2 da	is GY	4/1 ina. g 13/	đ				5 Y 5/ grayisf	3 oline		25 (dark ole	514 a/1 * 9704	2.5 GY		$\sqrt{1}$
Soil Description			ç	\$4.02	~ 04 +		F ~ 4 bble (:	m S 2×05°e~	•)		50		۲۸ - S		70	F ~ '	83		Cor	e/lost
Labo. Sampling			64.0	5				<u></u>		<u> </u>	64.50								$\uparrow \uparrow$	
Sampling No.]			Gı	eCC-	1-20) ~::	0 era/1	2	<u> </u>	 					<u></u>		1	

Sheet No. 66

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GeCC-1
Date	01/January/2001
Core recorde	r Suenaga

Depth (m)	65.0	65-10	65:20	65 <mark>-</mark> 30	65.40	65.9	50 E	5 60	65-70	65-80	65,90	66.0
Lithological Structure Sketch				0			<u> </u>		······			4
Lithological Symbol												an in
Color		dant	2.5 GIY 4/1 2 olive gray					7.5	4 5/3 gray	4		2.56Y 4/1
Soil Description	0	F 65:30~ 32 p	~ m s ebble (2×25)	m) hard	40 Соте	lost	65-76 m	frant t	m·s hagment (2	2×10 mm)	36	Sit
Labo. Sampling							<u></u>	· · · · · · · · · · · · · · · · · · ·				 i
Sampling No.								,	-	······	, <u>, , , , , , , , , , , , , , , , </u>	

67 Sheet No.

Location	Girl School (Urban-2)
Mouza	Hat Kaluganj
Union	Pourashava
Thana	Chuadanga

Drilling	No.	GeCC-1	· · · · · · · · · · · · · · · · · · ·
Date	01/J	anuary / 2001	
Core re	corder	Suenaga	· ·

Depth (m)	66.0 66.10	66 <u>`</u> 20	66:30	66:40	66:50	66.60 (56.70	66.80	66;90	67-0
Lithological Structure Sketch	000		I							,
Lithological Symbol			•							
Color	2.50 donk olim	iny 4/1 granj		564 4/1 dud clin grag	\mathbf{M}	2.5GN A/1 dank oline gray		2.5 Gr 4/ der & oline	a hay	
Soil Description	0 F	~ m s 11t block (\$1	cm)	40 45	so ore lost	ve ~ fs	·•	VF-S Farallal Lo	ominae	
Labo. Sampling									· · ·	* *
Sampling No.										•

Sheet No.

68

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling N	o. Ge	CC-1	
Date	01 / Januar	7 / 2001	
Core rec	order Suena	29a	
		-0-	

Depth (m)	67.0	67.10	67:20	67:30	67:40	67	-50 I	67.60	67.70	67.80	67.90	68 O 1
Lithological Structure Sketch		6			· []] 2 7 · [] 4 1 · [] 5 5 · [] 7 ·							1 1 -
Lithological Symbol				• • • • • • • • • • • • • • • • • • •		\mathbb{N}				•		
Color		dar	2.5 GY 9/1 Loling groy		2.5GY 4/3		2.5 G Son fi	oline gray		grouped aline		
Soil Description	o o Silly vf.s	7	VF~F.S ~10 Silt block		57. 45 Silty VF-S	Carel Loss	l l	F.S	70	M.S.		
Labo. Sampling									67.7	0		680
Sampling No.						-			1	Gecc-	-1-21	6 :57 +2/22

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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

٩.,

Drilling I	No.	GeCC-1	<u></u>
Date	01/Ja	inuary / 2001	
Core re	corder	Suenaga	

Depth (m)	68.0 68.10	68-20	68.30	68.40	68.50 6 1	8.E0 68	·70 68	·80 68·90	69.0
Lithological Structure Sketch					/				12. 1
Lithological Symbol		i		\setminus /				•	
Color	7.5 Y 5/2 grayist oline		2.5 GY 4/1 25 dark dine G14		7.5.4 grayiel	5/2 olare	2.5 Git 4/1 dork oline gray		
Soil Description	M.S	23	33 35 F.S. 5.1t	A . A .	50	70	80 VF~F.S	Cote	lost
Labo. Sampling	68.00	68 2 3				,	••••••••••••••••••••••••••••••••••••••	1	
Sampling No.	GeCC-1-21			/			······································		

Sheet No. 70

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GeCC-1	
Date	01 / January / 2001	
Core record	ler Suenaga	

Depth (m)	69.0	69.10	69.20	69.30	69.40	69-50	69.60 69.70	69.80 67.90 70
Lithological Structure Sketch								
Lithological Symbol								
Color			Y 5/1 hay	2.5GY %	7.5Y		7.5 Y 5/2 grayies aline	2.5 Gry 4/1 Jork din group
Soil Description		F۸	- M. S	30 36 Sandy Silt	40 . Cote F~MS /	Lost 50	F~HS	80 F S 57.80~ 81 Silt Wack
Labo. Sampling					1/			
Sampling No.				•	//	i		

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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GeCC-1
Date	3/Jan/2001
Core recorder	Suenaya

•

Depth (m)	70	,0 70	. /	70.2 7	0.3 	70.¥	<i>70</i>	5	70.6	70.7	70.8		70.9 1	7/.o
Lithological Structure Sketch			1 1 1 1 1			\backslash					· · · · · · · · · · · · · · · · · · ·			
Lithological Symbol			111	-			/							
Color	-	1074/ 32.000	5GY 4/ dark olire group	584/1 gray		\sim /			5 Y grayis	5/Z 2 oline		25× 4/1 garey	575/2 graziek sline	9.5 × 9/1 gray
Soil Description		f.5 Mica Nich	13 18 50-dy Silt	Yf ~f.5 mica nich	33	core	oet	50	1.	<i>ы.</i> 5	58	88 VF:S	93 F·S	VF·S micro preibl Januag
Labo. Sampling						/								
Sampling No.						/					······································			-

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	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	GeCC-1
Date	3/ Jan/ 200/
Core recorder	Supraya

Depth (m)	71.0	71.7	7/.2	11.3	71.¥	71.5	71.6	71.7	71.8	71.9	72.0
Lithological Structure Sketch			0000		U	<u></u>	Α				l
Lithological Symbol	1						<u> </u>				. <u></u>
Color	;	575/2 grayist of	me	2.5GY 4/1 dark oline gray			10 Y 200	•	<u> </u>		
Soil Description	71.15	f~m.s ~25 silt bl	25 Poch (+04 5-2cm)		71, 48-46 A (soft ;20	ilt block -, brown)	Vf~ f. mica A 71.60 sile	ick			
Labo. Sampling		· · · · · · · · · · · · · · · · · · ·				—— <u>————————————</u>	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		<u></u>		<u>.</u>
Sampling No.		*** **		· · · · · · · · ·	····			**************************************			·····

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Sheet No.

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Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	- - '
		-

Drilling No.	GeCC-1
Date	3/ Jon/ 200/
Core recorder	Swanaya

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			· · · ·	·····	0				I		
Lithological Symbol											· · ·
Color		· · · · · · · · · · · · · · · · · · ·		· · · · ·	10 Y 4 gray			······			<u></u>
Soil Description	72.00				Vf - mica ni 72.40~41		oft (cm) noum				73,00
Labo. Sampling	72.0	0							<u></u>		73,00
Sampling No.					GeCC	-1-22	2 19.75				<u></u>

Sheet No. 7%

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GreCC-1
Date	3/ Jan/ 2001
Core recorder	Sueragia

Depth (m)	73.0	73.1	73.2	73.3	73.4	73.5	73 6 I	73,7	73.8	73.9	74.0
Lithological Structure Sketch				· ·			3		I	1	
Lithological Symbol							1	2 · · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
Color			10 Y 4/, "pray			2.5GT 4/1 donk olive gra	4		10 Y 4/1 gram	· · · · · · · · · · · · · · · · · · ·	
Soil Description			Vf - f.s mica sich		45	silt	B 73.6.	f rrica 3 silt (2mm)	. S rich tro	re fossil	
Labo. Sampling											
Sampling No.		· .	····				<u></u>			· · · · ·	

Sheet 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

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

 \mathcal{M}_{12}

Drilling No.	(<u><i><i></i></i></u> <i></i> (<i></i>)	
Date	3/Jan/2001	
Core recorder	Swenaya	·

Depth (m)	74.0	14.1	74.2	74.3	74.4	74.5	74.6	14.7 I	74.8 ⁻ 1	7 4.9	75.0
Lithological Structure Sketch	Q.)		b	9 。					/	
Lithological Symbol			-								
Color		· · · · · · · · · · · · · · · · · · ·	10 Y 4/1 gray								
Soil Description			F. 5 ire nich , tr	are fossil		50					
Labo. Sampling			······································	·							· · · · · · · · · · · · · · · · · · ·
Sampling No.				· · ·							

Sheet No. 76

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	Gecc-1
Date	04/Jan / 2001
Core recorder	Suenagu

Depth (m)	15.0 I	15.1	75.2	75.3 1	15.¥	75.5	75.6 1	75.7 I	25.8	75.P	76.0 I
Lithological Structure Sketch							·				
Lithological Symbol										. /	7
Color	-			7.5 °C 4 9. rayisk	1- oline						
Soil Description				. רצו	5			75	core	los	t
Labo. Sampling				·							
Sampling No.				*.							

Sheet 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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	Gecc-1
Date	04/Jan /2001

Core recorder

Sueraga

Depth (m)	76.0	n6.1	76.2	76.3	76.4 76	,S I	76.6	76 7	76.8	76.9	77.0
Lithological Structure Sketch					/	· 0	- <u>·</u>	<u>1</u>			
Lithological Symbol											
Color		7.5.74/2" groupist o	line de	it e /			• •••••••••••••••••••••••••••••••••	7.5× 4/ grayist o	2 Line		
Soil Description		m - 5	V4	30 5 5 612t 612t	Lost	50 76,55-	56 fine A	m.s ebile (\$10m) ge		- • • • • • • • • • • • • • • • • • • •	
Labo, Sampling				/							
Sampling No.						, ,		······			

Sheet No. 78

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

		Drillin	g No.	·	- CTE	2CC-1	
		Date		04/J.	m/ 200	/	
		Core	recorder	Sner	aga	······································	· · · · · · · · · · · · · · · · · · ·
			•				
3	77.¥	27.5 	77.6	77.7	77.8	77.9	78.0
						• • • • • • • • • • • • • • • • • • •	
	/						· ·

Depth (m)	77.0	77.1	77, 2 1	77.3	77.¥	27.5 1	77.6	77.7	77.8	77.9	78.0
Lithological Structure Sketch				1 X		A	······································		ł	· · · · · · · · · · · · · · · · · · ·	
Lithological Symbol											·
Color	2 1	7.5 × 4/ groyed	2 oline					7.57 gray	4/2 ist sline		<u>.</u>
Soil Description		f. 5 mice rich		30 Core	e los	50		f~	in , ς		
Labo. Sampling							 				
Sampling No.				/	· · · · · · · · · · · · · · · · · · ·	\mathbb{N}	· .	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	

Sheet No. 79

Chuadanga	Drilling No.	Grecc-1
Pourashava		
Hat Kaluganj	Date 04/C	an /200/
Girl School (Urban-2)	Core recorder	venaga
	Pourashava Hat Kaluganj	Pourashava Hat Kaluganj Date 04/5

Depth (m)	78.0	78.1	78.2	78.3	78.4	78	5	78.6	78.7	78.8	78.9 I	190
Lithological Structure Sketch	Ø			0		/			· _ · · · · · · · · · · · · · · ·			
Lithological Symbol								-				:
Color			7 4/2 ist aline			. /			SY (grayint	2/2 oline	· · ·	
Soil Description	18.05-0	mico nie 1 silt ble	n:,5 e sel (2×3cm)	35	core	lost	50	<u> </u>	m i	74		
Labo. Sampling			· · · · · · · · · · · · · · · · · · ·			1	78.5	0	· · · · · · · · · · · · · · · · · · ·	-		→ `
Sampling No.					/	• \		G	eCC -	1-23	r El restanta	

Sheet No. 80

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	Gecc-1
Date	04/Jan 12001
Core recorde	r Suanaga

Depth (m)	<i>79.0</i>	79.1	<i>79.</i> 2	19.3	79.4	19.5	79.6	79.7	79.8	79.	.9 80.0
Lithological Structure Sketch											
Lithological Symbol			-			×.					
Color	:		5 Y 0,704 jú	6/2 L oline				5× 6/1 gray	· · · · · · · · · · · · · · · · · · ·		
Soil Description			ſr	۲. · ۲		22		£	· . S	90	f-m.s
Labo. Sampling	· ~	- *··· · · · · · · · · · · · · · · · · ·	79.20					<u></u>			<u></u>
Sampling No.	Ge	cc-1-23))) (<i>.</i> .					

Sheet No. 8/

Thana	Chua	danga				Drillin	g No.	-	Gi	ecc-i	
Union	Poura	ishava							- /	1	
Mouza	Hat Ka	aluganj	<u> </u>			Date		04/	jan/z	00/	
Location	Girl S	chool (U	Irban-2)			Core	recorder	S var	aga		
					•	· <u></u>				<u></u>	
Depth (m)	80.0	<i>80.1</i>	80,2	80.3	80.4	80.5	80.6	80.7	80 3	80.9	81.0
Lithological Structure Sketch			·		1 + 1 1 + 1 1 - 0	, I ,	ł	0			1
Lithological Symbol	;							· · · · ·			
Color		• •			585/1 group			``````````````````````````````````````			5Y5/1 2004

Soil Description./	f~m.5 80.42 fine Pebble (Icm) 80.72 fine Pebble (6mm)	f.s
Labo. Sampling		
Sampling No.		

Sheet No. 82

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	GeCC-1
Date	04/Jan/200/
Core recorder	Sueraya

Depth (m)	81.0	81.1	81.2	81.3 I	81.4	81.5	81.6 I	8/.7	8/.8	81.9	82.0
Lithological Structure Sketch			*					ŀ		1	
Lithological Symbol				•						\ ·.	
Color			5 Y 5/1 3. cay	<u> </u>		/	575/1 gray		sY5/ gray		/
Soil Description			f~m·s		40 core	lest 50	f~m 5	72	82 F-S	tore	lost
Labo. Sampling											
Sampling No.						N		•.		/	<u> </u>

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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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	Gecc-1
Date	04/Jan/200/
Core recorder	Suina yu

Core recorder

Depth (m)	82.0	82.1	82 Z	82.3 I	82.4	82.	S	82.6	82.7	82.8	82.9	83.0
Lithological Structure Sketch		 	9 9 9 6 1 6			\square		•	f 1	2 5 1 1 1 1 1	-	
Lithological Symbol					· \		·			•	•	
Color			SY 5/1 opens			/				Y5/1 au		- - -
	· · ·		£~~~\$		40 core	lost	50		+~~~	1 • 5		
Soil Description			82.30~	33 4:184 f.5 bl (2×30)	lo-k		·					
Labo. Sampling	82.00			8	240		82,50		82.70		· .	
Sampling No.		Gel	[d - 1 - 2	4 3.7711.72			Gac	[C-]-	24			

Sheet No. 84

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	Gecc-1
Date	04/Jan/2001
Core recorder	Suenaga

				0.2 //						
Depth (m)	83.0 8	3.1 83.2 1	83,3	83.¥	83.5 I	83.6	83.	7 83.8	83.9	84.0
Lithological Structure Sketch	0	°0.°,	Ø	, 1 t 	Q.º.					
Lithological Symbol									. /	
Color	575/1 gray	575/1 37ay		5 Y 3 ¹⁰			sYs/			
Soil Description	10 m · S 83,07~02 pills (55,1-5×20m)	25 C·5 83.15-17 Pelble (quartiste. 3×2cm)		83 83	.50~52 Per (ortloguartzite.	65 bble 4×4(m)	70 f·s	/	$\overline{\langle}$	
Labo. Sampling					. ·					
Sampling No.	-				-				· · · · · · · · · · · · · · · · · · ·	

85. Sheet No.

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

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GeCC-I
Date	04/Jan/200/
Core recorder	Suenaza

84.3 84.0 84.1 84.2 84.4 84.7 Depth (m) 84.5 84.6 84.8 84.9 85. Lithological 2. ٥ ° 0 Structure Sketch Lithological Symbol 51 5/1 575/1 Color gray gran 15 m~C.S 36 ms last core 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	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)
	(

Drilling No.	Gecc-1
Date	04/Ja-/2001
Core recorder	Sueraan

Depth (m)	85.0	85.1	85.2	85.3	85.4	85.5	6.28	85.7	85.8	85.9	86.0
Lithological Structure Sketch	:	3	្ល		· · · · · ·		,	I	<u></u>	<u> </u>	
Lithological Symbol						7			· · · · · · · · · · · · · · · · · · ·		
Color		57 5/1 gram			$\langle /$			5Y S gra	7 #	<u>, , , , , , , , , , , , , , , , </u>	
Soil Description		M₁ - ,5	2	8 Cer	e lo	st 50		m.			·····
Labo, Sampling								· .	85.80	7	→
Sampling No.					· · · · · · · · · · · · · · · · · · ·					CC - / -	25

25 to 12

Sheet No. 87

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GeCC-1					
Date	04/Jan/2001					
Core recorder	Suenaga					

Depth (m)	86.0	86 . 1	86.2	86.3	86.4	86	<u>َ</u> ح	86.6	8	76.7	86.8	86.9	87.0
Lithological Structure Sketch		· · · · · · · · · · · · · · · · · · ·			<u>I</u>		0 0	000	с <u>,</u>			<u> </u>	
Lithological Symbol					<u> </u>								·····
Color			5 Y 5/1 gray					7.5 Y 6/ gray	1			Y 6/1	
Soil Description			m.s			50	مرر <i>و</i>	M-C. Ith fine pe (and Ich	lble	2	n	n . 5	
Labo. Sampling	£-				8	6.50							· .
Sampling No.			GeCC -	1-25				<u> </u>	· .			• · ·	· · · · · ·

Sheet No. 88

Union Pourashava	
Mouza Hat Kaluganj	
Location Girl School (Urban-2	

Drilling No.	GeCC-1
Date	04/ Jan / 2001
Core recorde	r Suenaga

		· · · · · · · · · · · · · · · · · · ·							·		
Depth (m)	87.0	87. I.	87.2	87.3	87.4 I	87	1.5 87 I	1.6 87.7	81	.8 87.	9 88.0
Lithological Structure Sketch					· · ·		00				/
Lithological Symbol											
Color			5 Y 5/ gray				2.57 6/1 gray	7.5 7 6/ graug			/
Soil Description			M · J			50	60 Silty VF.S 87.50-55 Pelble(42cm)	Vf-s	80	Core	lost
Labo. Sampling											
Sampling No.										/	- \.

Sheet No. 89

Thana	Chuadanga	Drilling No. GeCC-1
Union	Pourashava	
Mouza	Hat Kaluganj	Date 04/Jan/2001
Location	Girl School (Urban-2)	Core recorder Summin
	• .	
Depth (m)	88.0 88.1 88.2 88.3 88.4	88.5 88.6 88.7 88.8 88.9 89.0
Lithological Structure Sketch		
Lithological Symbol		
Color		
Soil Description	Core	lost
Labo. Sampling		
Sampling No.		

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THE STUDY ON THE GROUNDWATER DEVELOPMENT OF DEEP AQUIFERS

Thana	Chuadanga	
Union	Pourashava	
Mouza	Hat Kaluganj	
Location	Girl School (Urban-2)	

Drilling No.	Gecc-1
Date	04/Jan/2001
Core recorder	Suenaja

Depth (m)	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7 I	89.8	89.9	90.0
Lithological Structure Sketch		1 1 1 F 1 1 • 1 1 • • 1 • • • • (• • •	ĺ,		Ø	0	V	\$\$ ()	0	B	2
Lithological Symbol											
Color			, ,		107 4. gray	/1					
Soil Description			. ,	mica rich	f~m.s . trace fo	uil					
Labo. Sampling	· ·						<u></u>	••••••••••••••••••••••••••••••••••••••			
Sampling No.									· · · · · · · · · · · · · · · · · · ·		. v.

Sheet No.

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

Location	Girl School (Urban-2)
Mouza	Hat Kaluganj
Union	Pourashava
Thana	Chuadanga

13.

Drilling No.	Gecc-1
Date	04/Jan/2001
Core recorder	Sveroga

Depth (m)	90.0 90.	1 90	0,2 90,3 1	90.4	90.5	90.6	90.7	90.8	90.9 I	91.0
Lithological Structure Sketch					Λ					0
Lithological Symbol										
Color	1084/1 gray	1.5 ° 4/1 gray					7.5 Y gray			
Soil Description	f ~ m 5 mica nich	20 Vf- f-s	core	lost	- 50 50	62-13 pebble(f~ m, 5 (15-2(n)			
Labo. Sampling	· · · · · · · · · · · · · · · · · · ·				90	.50				
Sampling No.					$\overline{\mathbf{n}}$	Gec	'C - /-	26 10:	7 (9/79)	

Sheet No. 92

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling No.	GeCC-1				
Date	04/Jan/2001				
Core recorder	Suanaga				

	· · · · · · · · · · · · · · · · · · ·					
Depth (m)	91.0 91.1 9	1,2 91.3	91.4 9, I	1.5 91.6	91.7 91.8	91.9 92.0
Lithological Structure Sketch	D	0			°o	
Lithological Symbol						
Color	7.5 Y 4/1 gray		\backslash	7.5 Y 4 /1 gray		
Soil Description	F- M.S 91.14-15 fine pallo (11.50) 91.23-25 pebble (2x20m)		core lost	50 f-m-5 7	° core	lost
Labo. Sampling	← 9/20		/			
Sampling No.	Gecc - 1 - 26	/	/			

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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	Chuadanga				
Union	Pourashava				
Mouza	Hat Kaluganj				
Location	Girl School (Urban-2)				

Drilling No.	GreCC-1
Date	04/Jan/2001
Core recorder	Suenaga

Depth (m)	92.0	92.1	92.2	92,3	92.4	92.5	92.6	92.7	92,8	92.9 1	93.0
Lithological Structure Sketch									.		
Lithological Symbol											
Color		**************************************					(74/1 og			
Soil Description			core		lost	ŧ	60 fr	70 m.s	core	Los	t
Labo. Sampling			<u> </u>								
Sampling No.											

 $\mathbf{x}_{i,j} \in \mathcal{X}$

Sheet No.

94

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	GeCC-1	
Date	04 /Jan / 200/	
Core recorder	Suanaya	

	1						·				
Depth (m)	93,0	93.1	93.2	93.3	93.4- I	93,5 1	93.6 I	93.7	93.8	93.9 I	94.0
Lithological Structure Sketch			:								
Lithological Symbol											·
Color										7.5.74/, gray	567 5%, Aline gray
Soil Description				ore	\mathbf{X}	los	st		80) 95 f-ms	Vf-fs
Labo. Sampling											<u> </u>
Sampling No.					· · · · ·					·····	

95 Sheet No.

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

Thana	Chuadanga	Drilling No.	GeCC-1
Union	Pourashava		
Mouza	Hat Kaluganj	Date	4/Jan/200/
Location	Girl School (Urban-2)	Core recorder	Swaaga

Depth (m)		2 94.3 94.4 94.5 94.6 94.7 94	8 94.9 95.0
Lithological Structure Sketch	000 0000000000000000000000000000000000		
Lithological Symbol			
Color	7.5 Y 4/1 97.a.y		7.574/ 5GT 5/ gring oline gray
Soil Description	P-M-5 20 will fins petbla (05-4+m)	core lost	80 95 suby f~m.s yf-f.s
Labo. Sampling			
Sampling No.			

2.5

Sheet No. 96

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	Gecc-1
Date 04	Jan / 200 /
Core recorder	Suenaga

Depth (m)	95.6	95.1 I	95.2 1	9 <u>5</u> 3	95.4	95.5	95.6	95.7	95.8	95.9	98.0
Lithological Structure Sketch							<u> </u>		1		
Lithological Symbol											
Color									.,		
Soil Description				Co	2		<u>e</u>	oct			· .
Labo. Sampling											·
Sampling No.			•				<u> </u>		<u></u>		· · · ·

Sheet No. 97

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

Thana	Chuadanga
Union	Pourashava
Mouza	Hat Kaluganj
Location	Girl School (Urban-2)

Drilling	No.	GeCC-1
Date	04/5	Jan / 200/
Core re	corder	Suenaga

Depth (m)	96.0 96.1 96.2 96.3 96.4 96.5 96.6 96.7 96.8 96.9 9	7.0
Lithological Structure Sketch		/
Lithological Symbol		
Color	sy s/1 group	
Soil Description	core lost 50 70 core lost 96.65-70 fin patile (may Sam)	
Labo. Sampling		<u></u>
Sampling No.		<u> </u>

••••

Sheet No. 98

UnionPourashavaMouzaHat KaluganjLocationGirl School (Urban-2)	
Girl School (Urban-2)	
Location GIRI SChool (Urban-2)	

Drilling No.	· 19.	. GeCC-1
Date	04/Jan/	200/
Core record	ier Sue	raga

Depth (m)	97.0 97.1 97.2 97.3 97.4 97.5 97.6 97.7 97.8 97.9 98.0
Lithological Structure Sketch	000
Lithological Symbol	
Color	5) 5/1 gray
Soil Description	conc lost 50 58 Famis Conc lost Peblike (my 2020)
Labo. Sampling	
Sampling No.	

Sheet No.

99

Chuadanga
Pourashava
Hat Kaluganj
Girl School (Urban-2)

Drilling No.	Gecc-1
Date	04/ Jan / 2001
Core recorder	5 wene ya

Donth (m)	98.0	98_1	98.2	98.3	98.¥	98.5	097	98.7	98.8	98.9	00 0
Depth (m)	10.0	7°-1		10.3	70.7-	70.5	98.6 I		75.8	70.7	99.0
Lithological Structure Sketch					_						
Lithological Symbol	1										
Color											· · · · · · · · · · · · · · · · · · ·
Soil Description				(core	>	lost	-			
Labo. Sampling											
Sampling No.							- <u></u>		· · · · · · · · · · · · · · · · · · ·		