# バングラデシュ人民共和国 第4次多目的サイクロンシェルター建設計画 基本設計調査報告書

資料 10. サイト状況確認調査結果

資料 11. 自然条件調查結果

平成 11 年 3 月 JIKA LIBRARY T 1149452 [3]

国際協力事業団 日本技術開発株式会社

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1149452 [3]

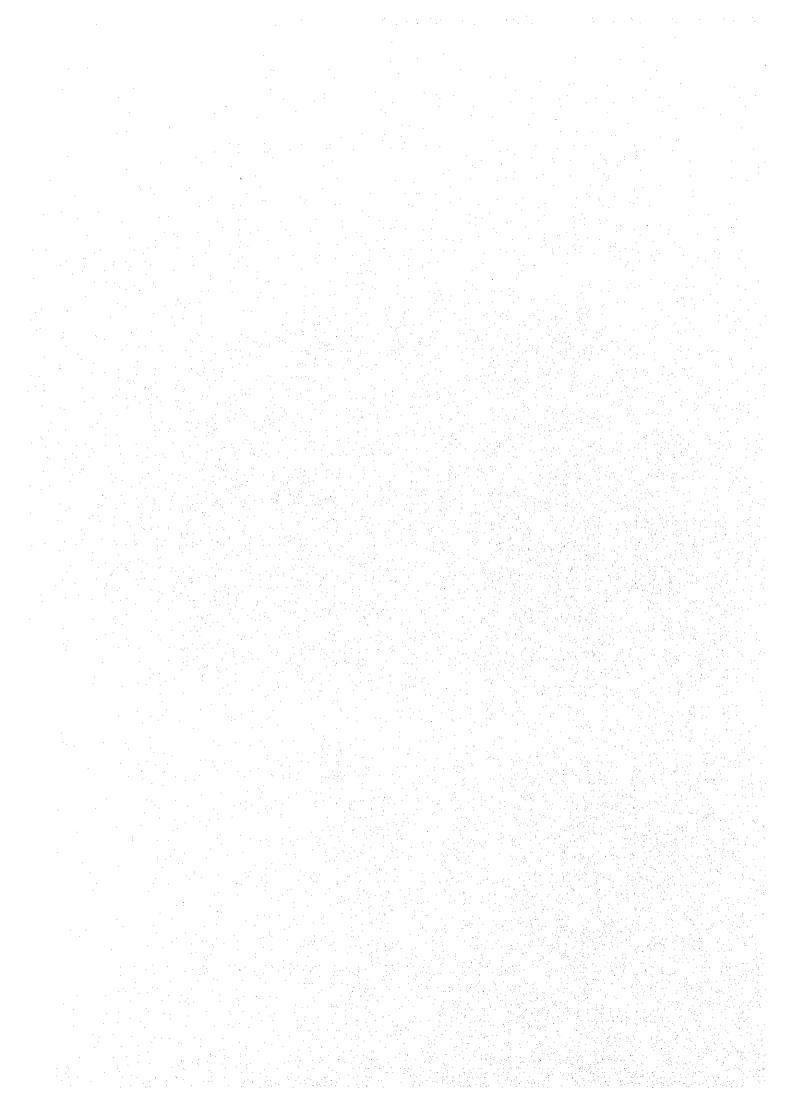
詳細サイト調査対象地域位置図 92° 30'E a0, 20, 91°30′ 92 00' 91°00' 90° 00' -23°00′N FENI **k**gönl LAKSMIPUR Mehendganj No. 28 NOAKHAN Mirsharai No. 17 A PARTITION OF THE PART No. 21 No. 23 Sin JHALKA" 22° 30' Bakerban i CHITTAGONG Patia Monpura Mathbarla THE THINK Anwara Banskhali BANDARBON thar Fasson No. 14 -22°00′ No. 15 No. 12 plain A captaria Delta 0 Medyua BAY 0 F BENGAL -Ganges Tidal Plain-Mohesh サイト サイト 初等学校名 ユニオン 初等学校名 郡 ユニオン - 21° 30′ No. Ramu Chittagong Sitakunda Kadamrasul GPS 17 South Sonapahar Johors 3 Bhatiari Chittagong Mirsharai Zarwarganj H8/1 Aziz GPS William Datio Chittagong Sitakunda Muradpur Golabaria GPS 20 Chittagong Mirsharai Moghadia Mondarhat GPS 21 Chittagong 5 Chittagong Sitakunda Barabkunda Naralia GPS Kazia Taluk GPS Moghadia Mirsharai Moddho Miani GPS Chittagong Sitakunda Muredpur Sadek Mostan GPS 22 Chittagong Mirsharai Miani 9 Chittagong Sitakunda Sayedpur West Sayedpur GPS 23 Chittagong Mirsharei Miani Shohiid Abdul Kalam GPS 10 Chittagong Sitakunda 24 Chittagong Haithkandi Tarakatia GPS Maddho Bagachatar GPS Sayedpur Mirsharai 12 Chittagong Banskhali Chanua Khudukkhali GPS' 25 Chittagong Mirsharai Wahedpur Khazuria GPS Chittagong East Gandemara GPS Chittagong Mirsharei North East Azamnagar Gandamara 28 Hinguli GPS 14 Chittagong Banskhali Baharchara Chapa Chari Rashidia GPS 29 Chittagong Kurua GPS Mirsharai Haitkandi 15 Chittagong Banskhali Saral Jaliaghata GPS 31 Chittagong Mirsharai Mirsharai Banskhali GPS 16 Chittagong Mirsharai Mithanala Rahamotabad GPS Note: GPS; 公立初等学校

# 第4次多目的サイクロンシェルター建設計画基本設計調査報告書 [ 資料10. サイト状況確認調査結果

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# 資料10. サイト状況確認調査結果



## 資料10. サイト状況確認調査結果

#### (1) 詳細サイト調査対象地の選定

本プロジェクトに対して、「バ」国政府よりプロジェクトの候補地として、31サイトが提示された。

この要請内容に対して、日本国政府関係機関による検討・協議がなされ、また現地調査時に「バ」国政府へのプロジェクト要請サイト候補地の再確認を通して、高度危険地域(HRA)に位置するChittagong県のMirsharai都、Anowara郡及びBanskhali郡内の31サイトを調査対象地とした。

即ち、先方より要請のあった21サイト全てにおいてサイト概要調査を実施し、その結果に基づいてプロジェクト・サイトとして有望と判断された21サイトを選定し、それらのサイトにおいて詳細サイト調査を行った。

#### (2) プロジェクト・サイト選定基準

本プロジェクトは、第一義的にはサイクロンシェルターを建設することであることから、 プロジェクト・サイトの選定は、原則的に下記の基準により実施した。

- ① 要請サイト敷地内に政府の責任において運営・管理される公立初等学校が存在する。
- ② 要請サイトが「多目的サイクロンシェルター計画」マスタープランで規程された高度危険地域(High Risk Area=HRA)内に位置している。
- ③ 原則的にサイトの周辺半径1.5km以内に、サイクロンの高潮からの避難が可能な十分 な高さを持つ堅固な公共建造物や、高さの十分な丘などの地形がない。
- ④ シェルターの建設に十分な敷地が確保され、その土地所有権が確保されている。ただし、施設建設に十分な敷地がない場合でも、使用不能と判断された施設を撤去することにより敷地が確保されるか、または隣接地に追加土地収用が可能な場合で、かつ「バ」国側により撤去工事、追加土地収用が実施される確証を得られる場合を除く。
- ⑤ 要請サイトに隣接して3方向に埋立て困難な大池が存在していない。
- ⑥ 車両によって建設資機材を建設場所まで運搬可能である。
- ⑦ 相手国政府及び他の援助機関によって同一サイトに同種計画の実施及び計画がない。
- ⑧ 現在敷地内に初等学校が存在し、教職員及び児童が既にいる。また新たに建設される施設が、平常時に初等学校として十分に活用されると判断される。
- ⑨ 建設された施設及び設備を維持管理する学校運営委員会 (SMC) が既に存在しており、施設の維持管理に十分な意欲が認められる。
- ⑩ 要請サイトの周辺半径0.3km以内に、家畜避難用のキラがあるか、または収用可能な キラ建設用地があり、キラ建設に関し、「バ」国側から確証を得られる。

#### (3) 詳細サイト調査

上述したようにサイト概要調査により選定された21サイトに対して、詳細サイト調査を 実施した。本調査は最終プロジェクト・サイトを選定するためのものであり、以下の要素 に対して詳細な確認を行った。

- ① 「多目的サイクロンシェルター計画」マスタープランにおけるサイトの災害危険度
- ② 各サイトへのアクセス方法
- ③ 建設予定地の敷地面積、土地形状、既存建物配置図、拡充施設配置案
- ④ 各サイトの土地所有権
- ⑤ 建設予定地の地勢
- (6) 周辺(通学圏)人口及び学齢期人口とその分布及び就学率
- (7) 既存初等学校の施設及び運営の現状
- ⑧ 施設完成後の運営・維持管理体制 (SMCの存在の有無)
- ⑨ 各サイト周辺住民の施設運営・維持管理への参加可能性 (敷地の盛土、Fencing、清掃等の労力の提供)
- ⑩ 各サイト周辺の他ドナー (NGO含む) による同種の施設 (初等学校またはサイクロンシェルター) 建設の実績、現在の実施状況、他ドナーへの要請の提出など本計画に類似した計画の重複の有無
- ① 各サイトの給水・衛生設備、便所の使用状況
- ⑩ 各サイト内或いは、周辺地域における地下水の取水状況(取水深度、水質等)
- ⑶ 各サイトにおける既存初等学校の付帯設備(校長室、倉庫、便所)の現況
- ④ 各サイトにおけるサイクロン襲来警報システム
- ⑤ 各サイトの避難圏の概略(人家、田畑、道路、河川、公共施設、その他の主要な建築 /土木構造物等の概況)
- (6) 各サイト周辺でのサブコントラクターの技術水準、要員、仕事の許容量などの確認
- ⑰ 各サイト周辺での資機材調達可能性

プロジェクト・サイト選定の基準にそって各サイトの調査結果を取りまとめれば表A-10-1 のとおり、サイトNo. 3, 4, 5, 8, 9, 10, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 28, 29, 31の計21 サイトが適地と判断された。具体的には、プロジェクト・サイトとして無条件の適地に 4 サイト (サイト No. 4, 12, 15, 28) であり、その他の17 サイト(サイト イト イト ハo. 3, 5, 8, 9, 10, 13, 14, 16, 17, 20, 21, 22, 23, 24, 25, 29, 31) は条件付適地である。また、上記のサイト詳細調査の中で行われた各サイト内或いは周辺の水質検査結果を表A-10-2に示す。なお、調査結果の詳細は以下のとおりである。

表A-10-1 詳細サイト調査結果(21サイト)

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表A-10-1 詳細サイト調査結果(21サイト)

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100	近後のために収用さる単位土地の最小資質(42)	491		180		244		ļ		}	ì						125	•			270	
1 4	数字協談の選打の当業		0		0	Φ.	0	0			0	- C	0 4.74	0		0	3		0	9	303	<b>€</b> ₩
7	サイトの成ららなケイト回辺の米減	٥	0	0		0	0	0	0	0			0	**************************************	THE RE	0	0		0			O: tras) >: tras
# # # # # # # # # # # # # # # # # # #	i charle	A, B	o	a .	40	ر ع	4 <	0	d 01	4 . 83	0	44	48	40	<b>√</b> 00	4 m	<b>₫</b>	0 4 0	0	ა. ი	A. B. C.	(1) 機器         A : Max 2 + M
1	<u>a</u>	1.	18. SE 1080. 1080.	ACK会、T Eリチン鉄路 E、Sencing	10日コニナイ2の保証機会 第20保証機会 法法律の第	<ul><li>(X1) : 投資、SM C 代表、日本コニナイ代表の50時で</li><li>(X2) : L G E G よいナン英語の知識者を入土場</li><li>(X3) : 資告の格片、Fancial、場面をのおりの接信</li></ul>	0.280.0															
		(%3) (%3)	1.0とで、 関地の製造	E. Sencias	の対象が	カナメカカの後位																

A10-3

表A-10-2 水質検査結果

	が基準値					30	25				2.5			000	500				05	
	「八」医管定基準値					6.0	~				6.5~			)9	2(				0	
1	WHON' AF' 242			-		15	വ				5~8.5		0.3	250	200				0.01	
	WHOT										ဖ်									
	No. 31	淡井戸	数指内	22m	I	常	透明	熊	継	23	7.6	2. 200	0	760	210	0	ない。	T R	(1)	t'27' SPAIL 6
	No. 29	10 林 / 10	放金 配室 室	12m	ı	Ç O	<b>む</b> ① む 随	业	級	27	7.9	3. 100	0 3	380	350	5.0	\ \ \	<del>ب</del> د	(0.07)	* 77. REL 6
	No. 28	<b>沙井</b>	数學	25m	j	第	透明	嶣	器	28	6.4	400	0.3	300	250	0.5	# ℃	‡ ∵	0	\$'77" JNDPH
	No. 25	浅井戸	校展 御酒	22m	i	朝	透明	瓣	や甘や味	53	7.4	1, 900	0.05	929	275	2.0	# 7	な プ	(0.08)	# >7 UNICEF L
	No. 24	近井河	教員室 9内	12m	1	कुं वा	半透明	黨	や甘み味	28	6.4	2, 100	0.05	570	410	2.0	Έ	F	0	た。 REI P
	No. 23	泌井口	西 150g	<u> </u>	ı	ę a	か あ で	巢	む む な 森	28	6.4	960	0.3	720	765	2.0	۲- ۲۶	T R	0	* 77 NGOP
	No. 22	20	25日で	300m	ı	無色	透明	熊	や甘み茶	28	8. 6	500	0.05	200	350	0	なって	なり	0	# 27 UNICEF E. P. L 93
	No. 21	浅井戸	校会? 商へ50m	18m	1	無色	か あ の	鎌	ь. 9	28	7.4	660	0.5	730	700	2.0	ない	ない	(0.07)	# 77" DPHE 9
	No. 20	浅井戸	校命商金融	7. 5m	ı	無色	新	黨	黎	2.2	7.4	480	0, 5	860	860	0.5	TR	TR	(0.08)	PHE 9
	No. 17	液井戸	敷地内	36m	i I	\$ a	や田谷瀬	黨	や甘み味	27	6.3	400	0.3	310	350	0.5	TR	TR	0	* >7. SNC SUPM 6
:	No. 16	汲井河	敷地内	10m	1	象	透明	熊	無	22	7.6	2, 700	0.05	200	450	1.0	TR	TR	0	SPAIL 6
	No. 15	松井戸 茶井戸	教地内	280m	. 1	和	透明	黨	Fe	21	7.8	300	1.0	50	250	0	TR	TR	0	SPAIL 6
•	No. 14	松井町	極 10001	280m	!	角	粉題	巣	i.	23	7.6	300	1.0	50	250	0	な つ	TR	. 0	SPAIL 6
	No. 13	次 # IT	特隆	350m	_	角	透明	崩	業	20	7.8	600	0.1	50	450	0, 5	なし	なって	0	RA 105
•	No. 12	松井戸 探	200개	350m	ļ	角	發明	#	熊	. 25	7.6	700	0.05	465	450	0	な	な フ	0	# 27 SPAIL 6
	No. 10	11年代	光 图	i .		南	透明	푨	や中	25	7.8	2, 100	0.05	150	250	ci ci	なし	ない	(0.05)	
	No. 9	担当我	校舎の			\$ (1 \$ 48	や田	串	も祭	28	6,6	2. 200	0.1	510	500	1. 0	TR	TR	Û	# 27 SPAIL 6
	No. 8		最適を	[0 L		角	グ商	뷕	も森	7.6	6, 6	006	0.05	345	460	2.0	ŢŖ	TR	(0. 09)	# 27 New MAYA PHF
	No. 5	10 ‡ %	光点	0		##	照	å	#	2.4	. 8.7	4.000	0	250	200	2.0	T.R.	TR		
	No. 4	F + 5	大大	300	-	1 4	四點	1	i ii	. 82	0.8	800	-	200	250	0	# 7	T.R.	۵	
	No. 3	][       	女 校 记	E U	2	中华	( ) ( ) ( )	ŧ	i d	20	8.6					L		T.R.	0	# 27 DPNE 9
	放河	-				i	ELN			٤		-	1/Am	π2/1	[/ZII				mg/1	
	李衫冠四		1   1   1   1   1   1   1   1   1   1			5. 4. 7. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	10 世際	<u> </u>	x %	大 元 元 年	F. F.	<b>新姓作臘斯</b>	, r	2 2	4 通 域	2至	10000000000000000000000000000000000000	大	操	*
	金	1	# #	<u> </u>					j				<u> </u>	2 2	1			I	<u>l</u>	£ £
	L				1_			1	<u> </u>	1	<u> </u>		<u></u>		<u> </u>	<u> </u>	<u>L</u>	<u> </u>	J	

# SITE SURVEY CHECK LIST

(Date: 1998/ 10 / 20) pm

1	Site No. : 3
٠.	East Longitude 91 ° 44 ′ 112 ″
	North Longitude <u>ZZ ° Z6 ′ 795</u> "
	Notes Longitude 22 20 7/3
2.	Name of School <u>Kadamrasul GPS</u>
3.	Site Location: District; Chittagong Thana; Sitakunda Union; Bhatiari Village; kadamrasu
4.	Interviewee: Name; Mr. Salim VIIah Position; Headmoster  Mr. Zafar Ahmed Chairman UP  Accessibility Mr. Alhaz Aminur Rahman Chairman SMC
5.	Accessibility Mr. Alhaz Aminur Rahman Chairman SMC
	1) Nearest Station, Port, Main Road: Dhaka - Chiffagong Distance; 0.3 km
	2) Road Conditions Road
	- Kind of Pavement : Earth, Gravel, Brick, Asphalt, Concrete
	- Conditions of Pavement : Good, Not so good Bad
	- Road Width : 4 m
	- Passable Vehicle : Motor cycle, Rikisha, Sedan, Jeep, Truck (4 ton)
	- Necessity for Repair of Road : Yes, No
	- Necessity for Repair of Bridges or Culverts : Yes, No
,	One library of Onland
Ο.	Conditions of School
	1) Name of Landowner : <u>Gayey men †</u>
	2) Area of School Site : $2 \times m^2$ (including Playground of $2 \times m^2$ )
	3) School Building : $\underline{1}$ no(s) (Floor Area: $\underline{m} \times \underline{m} = \underline{//\sqrt{2}}  m^2$ )
	4) Type of Building : RC, Brick Wooden
ر مور	5) Building Conditions : Good, Not so good, Bad (21 years after built) 6) Layout of Building : Class Room : 3 nos. (6.5 m × 5.65 m)
	6) Layout of Building : Class Room : 3 nos. (¿, 5 m × 5, 65 m)  Teacher's Room : 1 no(s) (3, 25 m × 5, 25 m)
	Other NIL
	- Principal's Room : <u>ML</u> no(s) (m ×m)
	- Storage : $\underline{\mathit{MIL}}$ no(s) ( m × m)
	- Toilet : 1 no(s) (10 m × 10 m) (no usable)
	7) Ancillary Facility : Well (Yes, No.)
	if yes, Depth of Well; m with pump or not)
	Present Conditions: Good, Not so bad, (Bad) ×
	Fresent Conditions: Good, (Not so bad, (Bad) x

```
Toilet (Yes) No.
                                  if yes, common or separate)
                                  spec: Dipping up
                                  Present Conditions: Good, Not so bad, Bad
                                  Electric Facility (Yes) No)
                                                                Powline wisher the Sife
                                : Desk ( wooden ),
  8) Material of Fixtures
                                                            Blackboard (worden ),
                                  Locker ( Start ).
                                                         ), Bookshelf (__--
                                  Notice board (
                                                            Other (
                                  Shelf (
  9) Maintenance of Building
                                : Place;
                                           Roof (Leaking of rain?),
                                                                         201509601
                                           Piller (Exfoliate of concrete?),
                                           Wall (Colour painting?),
                                           Window (Window door fitting?)
                                  Method; Name of organisation,
                                           Organisational unit for maintenance
                                           (H.Q., District, Thana or school),
                                           Procedure for repair
                                           (Requesting, Patrol by engineer) = when) if necessary
                                                            TEO ,TO.
7. Surrounding Conditions
   1) Population within a 1.5km Radius
                                         :/5000 nos.
   2) Distance to Neighbouring
                                         : Z km
     Primary School
   3) Distance to Neighbouring
                                         : 2 km (Saudi Grant )
     Cyclone shelter
                           None: Distance from the School; ____ m
   4) Neighbouring Killa
                                  Size (Top); __ m × __ m, Height; __ m
                                  Progress Ratio; - %
                                         : No (communication is OK.)
   5) Topographic Conditions Nearby
      (Obstruction for School Attendance or Evacuation at Cyclone Time)
                                         _ m NIL
   6) Normal Flood Level in Site
   7) Neighbouring Warning System:
                                         for Cyclone
                                         Measure of warning; Hand Mike
                                         Kind of signal; Flac.
   8) Maximum Damage by Cyclone in the Past: Year of Hitting: 1991
                                          Causalities; 200 nos.
                                          (Why so may died?) Due to the sudden tidal Bore.
                                                            If there is some Cyclone Shelters
                                          (How to solve?)
                                          Surge Height:
                                                              4.6 m
                                                             90% nos.
                                          Houses Broken:
                                          Damage of Crops:
                                                             all ha
                                                                         40 Tonos.
                                          Damage of Livestock:
                                                                   Cow
                                                                   Goat & 1/2 nos.
                                                                   Sheep mon fnos.
```

8.	Item to Be Confirmed in Case of the Project Being Executed
	1) Necessity for Demolition of : Yes (If yes: Executing Body <u>SMC</u> ), No. the Existing School Building
	2) Construction Body for Temporary School: <u>Nearby Madrasha School</u> Building during the Construction of New school.
	3) Management and Maintenance System for : SMC cyclone shelter management committee Planned Facilities (Shelter-cum-school)
	4) Neighbouring Inhabitants' Participation : 100% Co-operation
	in Management and Maintenance for the (by do nation, and manual labour) Planned Facilities.
9.	Similar facilities construction plans (primary schools or cyclone shelters) constructed or to be constructed by other donors (including NGOs) around each site NO  1) Past or currently implemented construction of similar facilities by other donors NO
	2) Survey of similar projects (requests to other donors, etc.) and any overlapping NO
10	. Capability of Sub-Contractor near the Site
	1) No. of Sub-Contractor near the Site :
	2) No. of Engineers :
	3) Past Experience and Construction Records :
11	. Availability of Procuring Construction near the site
	1) Equipment :
	2) Materials : Bricks
12	Existing Well around the Site
	· · · · · · · · · · · · · · · · · · ·
	1) Well depth: 5-11 first in front of the private House 2) Screen depth: 7.A until wort of the GPS.
	3) Well diameter: 39 mm
	4) Water quality: Fe (2.0 mg/l) was detected, (See Table A-10-2)
	5) Pump spec. : PPHE 9

#### 13. The situation of education

1) Current enrolment (1998)

44     Boys     46     62     69     38     48       40     Girls     43     40     47     46     58       84     Total     89     102     116     84     106	INFANT		Class 1	Class 2	Class 3	Class 4	Class 5
70 UIIS 43 40 71 94 101	44	Boys	46	62	69	38	48
84 Total 89 /02 //6 84 /06	40	Girls	43	40	47	46	58
	84	Total	89	102	116	84	106

797

2) The number of drop-out student (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys				Class 4	
Girls			and the second s		
Total					
					<b>(</b> ₹7)

3) The number of repeaters (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys					
Girls					
Total					
					. (15)

4) The attendance rate: (95-80) % of the total registered pupils

5) The number of classes

	Class 1	Class 2	Class 3	Class 4	Class 5
No. of Classes	1	1	/	/	//

6) The number of teachers (including principal)

	Male	Female
Qualified	2	3
Non-Qualified		
		5

7) The number of shifts of classes: 1 shift /2 shifts / 3 shifts/ multi-grade classes: grade (3, 1, 2) and grade (3, 4, 5)

8) The total number of children of school age in this school area

85% envolment

- 9) What is your expectation on the enrolment change in the next five years?
  - (a) It will increase a lot.
  - b. It will increase a little.
  - c. Almost same as in this year.
  - d. It will decrease a little.
  - e. It will decrease a lot.

	10)	)) What are the three leading problems in terms of the envir	onment of your school?
		Shortage of classrooms	
		b. Shortage of furniture	
		© Shortage of toilets	
		(d) Shortage of water supply facilities	
		e. Shortage of textbooks or other education materials	
		f. Deterioration of school building	
		g. Difficulty to repair facilities/equipment	
		h. Lack of involvement of the community in school man	agement
		i. Lack of parental appreciation for education	
		j. Other (administrative office)	
	11)	Which of the following points need to be emphasized in a	order to increase pupils' attendance
	ĺ	at your school?	
		a. Improvement of school facilities	
		b. Enhancement of equipment	
		© Increase in parental appreciation for education	
		d. Improve community participation	
		e. Improvement of the access to school (routes and trans	portation)
		f. Qualitative improvement of teachers	•
		g. Increase in the number of female teachers	
		h. Improvement of educational content	
		i. Improved distribution of textbooks	
		j. Introduction of automatic advancement system	
		(k) Introduction of meal system	
		l. Introduction of girls' classes   Poverty	
		m. Other ()	
14.	Scł	chool management and maintenance solary 220	2800 /s
	1)	•	,
		Income:	
		a. from the central government	Galay + 2000. TK
		b. from the local government	()TK
		c. fees from students (3- exams)	(7500 ) TK
		d. donation	(10,000) TK
		e. Others sports / independence day	(5000 ) TK (from SMC)
		TOTAL	TK
			- Salary + 24,900
			•

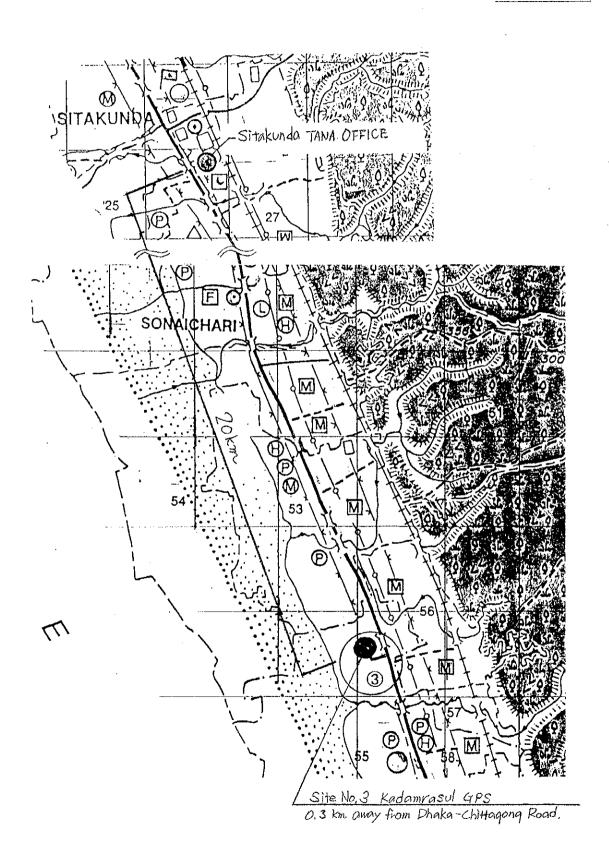
	Expenditure:						
	a. Salary for tead	chers		(Salary)	TK		
	b. Salary for oth	er personnel			TK		
	c. Purchase of educational materials or chalks (2400) TK						
	d. Maintenance of the facilities/equipment (Vonn) TK						
	e. Other (10.000) TK/						
	TOTAL			Salary + 17	TK (can		
				V			
2)	Is this school cu	rrently or going	g to be utilized in the	future for other purp	oses such as adult		
	literacy classes	and community		religious meeting			
	a. currently utili not	zed> utilized	purposes: (_	Social meeting)		mony ne poov	
	b. will be utilize	ed in the future	> purposes: (	″)	705 77	c poor	
	not	be utilized			. '		
					•		
3)	Currently how t	he school facili	ties maintained?	:		-1	
	Responsibility		Overall responsibility	Finance	Manual labor		
	a. Thana educa	ation office		0			
	b. Teachers						
	c. SMC		0		O = 2°	<u>]</u> .	
	d. Parents of p	upils					
	e. Community			O (partly)		]	
-	f. Others				et et e	<u></u> ] ·	
		<del> </del>					
4)	How often SM	C is held?	: ( <u>/2</u> )/yea	r	<b>n</b>		
	Other teacher-p	arents meeting	s : (/22_)/year				
15. Sc	cial environment	of children					
1)	How long does it take for pupils to go to school?: minutes to (\$\frac{10-40}{0}\$ minutes						
	How do they commute to school?: walk/ bicycle/ bus/ other						
2)	Do pupils work outside of schools?						
	Но	usehold work:(	yes)> what kir	nd of work? ( //ous	e keepine		
	b. Girls: Pa	id work: yes - no	> what kir	nd of work? (			
	Ho		yes> what kin	nd of work? (	e Keeping )		

3)	What are the main economic	c activities in this community	?
	( ship breaking &	Agriculture	)
	What do you think the econ	omic situation in this commu	nity compared with the averag
	Bangladesh communities?		
	a. Much better than the aver	rage	
	(b) Better than the average		
	c. Almost the same		
	d. Worse than the average		
	e. Much worse than the ave	rage	
4)	What are the characteristics	of this community in terms of	f social classes, ethnicity, and
	religion?		
			)
		•	
5)	Are there any community o	rganizations besides SMC in	this community?
		wil	

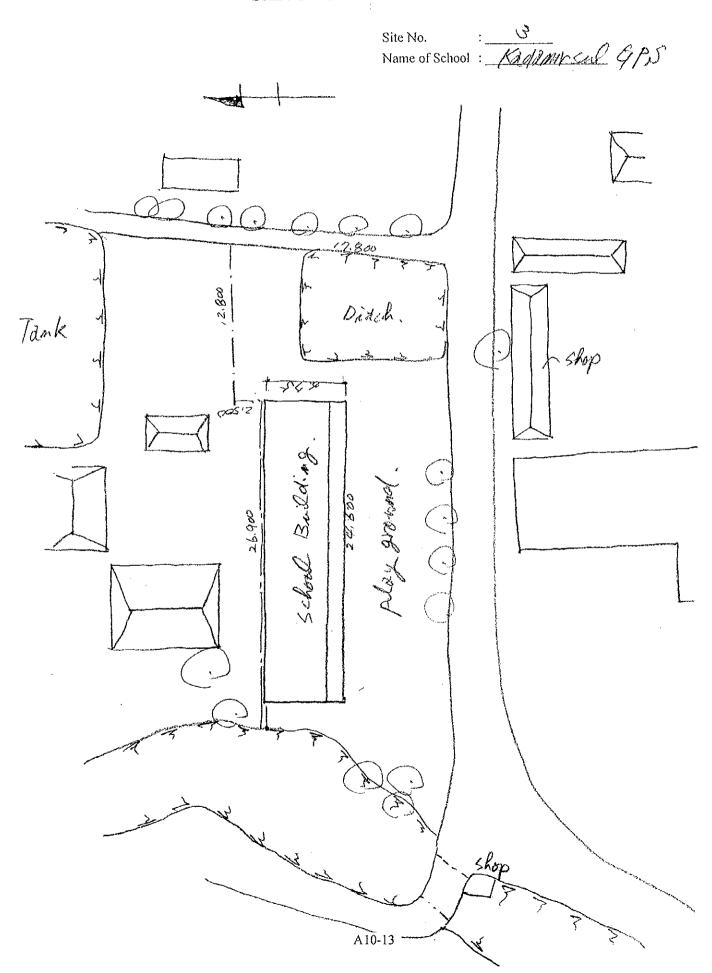
16. Others

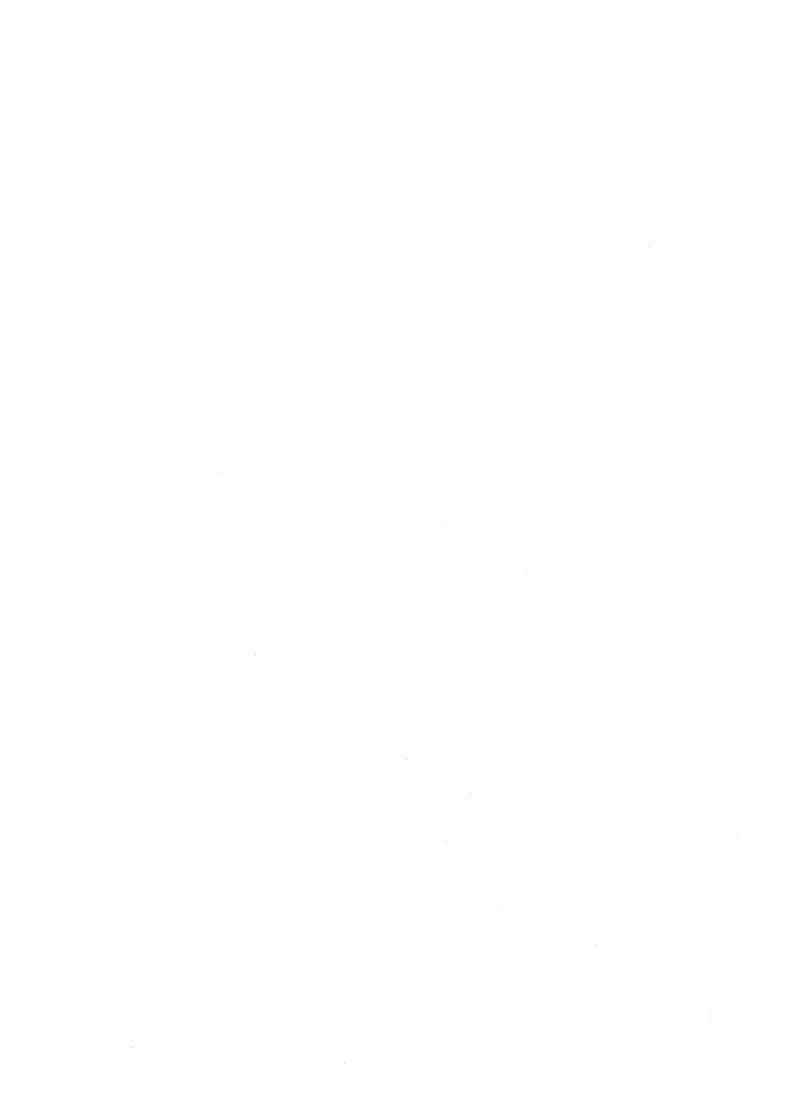
# LOCATION MAP OF THE SITE

Site No.:



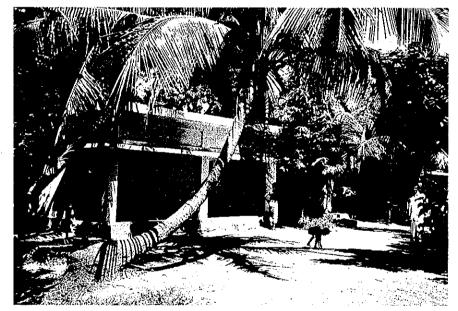
# SKETCH OF THE SITE







学校敷地全景



校舎全景



教室内状況



付帯施設の状況



学校周辺の道路状況

# SITE SURVEY CHECK LIST

(Date: 1998/ <u>/0</u>/ <u>20</u>)

1.	Site No. : 4 East Longitude North Longitude	22° 36' 656" 91° 38' 239"
2.	Name of School Golahan	ia GPS
3.	Site Location : District ; Au Union ; Mu	Hagong Thana; Sitakunda radpur Village; Golabaria il chandra Nand Position; Head Master.
	Accessibility Mr. Fa	il chandra Nand Position; / Lead Moster, sind Ham Bhy chairman 5.14. C hal Arnir chairman up Bakharchillagon Distance; 1 km Posod
-	- Kind of Pavement : - Conditions of Pavement : - Road Width :	3_ m Motor cycle, Rikisha, Sedan, Jeep, Trück ( ≥ ton) : Yes No
	2) Area of School Site :/ 3) School Building : : 4) Type of Building : : 5) Building Conditions : : 6) Layout of Building : : 7) Ancillary Facility : :	$\frac{G \cdot O \cdot B}{300} \text{ m}^2 \text{ (including Playground of } \frac{300}{10.6} \text{ m}^2 \text{ m}^2$

		Toilef (Yas, No,
		if yes, common or separate)
		spec: dippin of a P
		Present Conditions: Good, Not so bad, Bad
		Electric Facility (Tes) No) . Powerling is installed along the
	8) Material of Fixtures	Desk ( uno der) Chair ( Broaden) wad advaient
		Locker ( / ), Blackboard ( o ) to the size
		Notice board ( O ), Bookshelf ( O ),
		Shelf $( )$ ), Other $( )$
	9) Maintenance of Building	Place; Roof (Leaking of rain?),
	,	Piller (Exfoliate afromerate?)
		Wall (Colour painting?),
		Window (Window door fitting?)
		Method; Name of organisation,
		Organisational unit for maintenance
		(H.Q., District, Phana or school), TEO
		Procedure for repair patrol by TEO
		(Requesting, Patrol by engineer = when)
		(444,444,444,444,444,444,444,444,444,44
7.	Surrounding Conditions	
	1) Population within a 1.5km Rad	is : <u>6000</u> nos.
	2) Distance to Neighbouring	
	Primary School	: <u> </u>
	3) Distance to Neighbouring	
	Cyclone shelter	: <u> </u>
	4) Neighbouring Killa Wone	Distance from the School;m
		Size (Top); m, Height; m
		Progress Ratio; %
	5) Topographic Conditions Nearb	: None
	(Obstruction for School Attend	ance or Evacuation at Cyclone Time)
	6) Normal Flood Level in Site	. <u>0,3</u> m
	7) Neighbouring Warning System	Warning organisation; BDRCS
	for Cyclone	Measure of warning; / Jand mike and Speaker
		Kind of signal; Flag & Sinen
	8) Maximum Damage by Cyclone	in the Past: Year of Hitting: <u>1960</u>
		Causalities; £00 nos.
		(Why so may died?) no shelter no big Building (How to solve?) None
		(How to solve?) None
		Surge Height: 4.9 m
		Houses Broken: 100 nos.
	,	Damage of Crops: <u>Loov</u> ha
		Damage of Livestock: Cow 2:000 nos.
		Goat <u>vov</u> nos.
		Sheen 1/4 POOnos

8.	Item to Be Confirmed in Case of the Project Being Executed
	1) Necessity for Demolition of : Yes (If yes: Executing Body 54), No. the Existing School Building
	2) Construction Body for Temporary School : 5 M C  Building during the Construction of New school.
	3) Management and Maintenance System for : 5 H C Planned Facilities (Shelter-cum-school)
	4) Neighbouring Inhabitants' Participation : Yes, Very Conferation in Management and Maintenance for the Planned Facilities.
9.	Similar facilities construction plans (primary schools or cyclone shelters) constructed or to be constructed by other donors (including NGOs) around each site
	<ol> <li>Past or currently implemented construction of similar facilities by other donors.</li> <li>Survey of similar projects (requests to other donors, etc.) and any overlapping.</li> </ol>
10	. Capability of Sub-Contractor near the Site
	1) No. of Sub-Contractor near the Site :/
	2) No. of Engineers :/
	3) Past Experience and Construction Records :
11	. Availability of Procuring Construction near the site
	1) Equipment : none
	2) Materials : 3rick
12	. Existing Well around the Site
	1) Well depth : 300 m
	2) Screen depth :
	3) Well diameter: 3 7 "/n-
	4) Water quality: 300d (See Table A-10-2)
	5) Pump spec. : Spail 6

## 13. The situation of education

#### 1) Current enrolment (1998)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys	カノ	V-X	49	7.6	32
Girls	65	26	Q.Y	46	3.5
Γotal	136	A-0	93	2-1	66

#### 2) The number of drop-out student (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys	2	6	4	ے	لمر
Girls	5	5	4		- 2
Total	12	11	A	J.	V-

## 3) The number of repeaters (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys	0	6	7	4	K
Girls	0	دـ	<b>√</b> -	2.	/
Total	0	A	12	6	7

4) The attendance rate: (40) % of the total registered pupils

#### 5) The number of classes

	Class 1	Class 2	Class 3	Class 4	Class 5
No. of Classes	چ	/	1	1	/

## 6) The number of teachers (including principal)

	Male	Female
Qualified	2	Ŋ
Non-Qualified	D	0

# 7) The number of shifts of classes: 1 shifts / 3 shifts / 3 shifts / multi-grade classes: grade (1, 2) and grade (3,4)

8) The total number of children of school age in this school area  $6.36 \, \text{Re} / \text{Me}$ 

- 9) What is your expectation on the enrolment change in the next five years?
  - a. It will increase a lot.
  - (b.) It will increase a little.
  - c. Almost same as in this year.
  - d. It will decrease a little.
  - e. It will decrease a lot.

1 (	<ol><li>What are the thr</li></ol>	ee leading problems in	terms of the env	vironment of your sch	ool?
	a Shortage of	classrooms			
	b. Shortage of	furniture			
	c. Shortage of	toilets			
	d. Shortage of	water supply facilities			,
	e. Shortage of	extbooks or other edu	cation materials		
	(f)Deterioration	of school building			
	g. Difficulty to	repair facilities/equips	nent		
	h. Lack of invo	Ivement of the commu	nity in school m	anagement	
	i. Lack of pare	ntal appreciation for ed	lucation		
	j. Other (	X			
11	l) Which of the fol	lowing points need to	be emphasized i	n order to increase pu	pils' attendance
	at your school?	0.	•	į, į	
	_ *	of school facilities			• •
	ф)Enhancement				
		rental appreciation for	education	•	
	d. Improve com	munity participation			
	e. Improvement	of the access to school	l (routes and trar	isportation)	
		provement of teachers			
	g. Increase in th	e number of female tea	achers		
	(b) Improvement	of educational content	:		
	i. Improved dist	ribution of textbooks			
•	j. Introduction o	f automatic advanceme	ent system		
	k. Introduction of	of meal system	·		
	l. Introduction o	f girls' classes			
	m. Other (	none	)		
14. Sc	chool management	and maintenance			
1)	· · ·	ool budget for the curr	ent fiscal year?		
,	Income:		•		
	a. from the centra	al government		Salary+2400TK	
	b. from the local	<del>-</del>		( O )TK	
	c. fees from stude			( - )TK	
•	d. donation			( - )TK	
	e. Others	•		( ) TK	
	TOTAL			(Solary +2WAK	
			•	0	

	<u>Expenditur</u>	<u>'e:</u>		_		
	a. Salary fo	or teachers		(salary	) TK	
	b. Salary fe	or other personnel		()	) TK	
	c. Purchase	e of educational mat	erials or chalks	(		
	d. Mainten	ance of the facilities	/equipment	(	) TK	
	e. Other		• •	(	- TK	
	TOTAL			1	) TK	
	107712			<u> </u>		
2)	Is this scho	ool currently or going	g to be utilized in the	future for other pur	noses such as adult	
2)		asses and community		· · · · · · · · · · · · · · · · · · ·	poods sada as as as	
	•	y utilized>	purposes: (		•	
		not utilized		, <i>,</i>		
	(b) will be 1	utilized in the future	> purposes: ( <u>À</u>	dult Educat	/ Lon	
•	(9	not be utilized	1 1			
3)	Currently I	how the school facili	ties maintained?			
ĺ		<del> </del>		Ti	Manual labor	
	Responsi	omity	Overall responsibility	Finance	Mailuai iaooi	
	a Thana	education office		0	Q	
	b. Teache		×	×	X	
,	c. SMC	13		Ô		
		s of pupils		X	$\frac{1}{x}$	
	e. Comm		<u> </u>	×	$\frac{1}{\lambda}$	
		unity	× ×		x	
	f. Others	<u> </u>		<u> </u>	<u> </u>	
45	11 C	0.40; 1.110				
4)	•	SMC is held?	: (/2)/year	:		
	Other teac	her-parents meetings	s : ( <u>J</u> )/year			
				•		
15. So		ment of children				
1)	_	, -	ls to go to school?:			
	How do th	ey commute to scho	ol?:	walk bicycle bus	other	
2)	Do pupils	work outside of scho			•	
	a. Boys:	(no)	> what kind			
		Household work: 2	es)> what kind	d of work? ( <u>Hous</u>	ekeanie )	
	1 011		.Ó			
	b. Girls:	(no)	> what kind	•		
		Household work:	es> what kind	d of work? ( /for	re Kegorie	

3)	What are the main economic activities in this community?
	( Rice Cultivation ) Agriculture
	What do you think the economic situation in this community compared with the average
	Bangladesh communities?
	a. Much better than the average
	(b). Better than the average
	c. Almost the same
	d. Worse than the average
	e. Much worse than the average
4)	What are the characteristics of this community in terms of social classes, ethnicity, and religion?
	( Muslim 96% Hindu 4.1.
5)	Are there any community organizations besides SMC in this community?  (

16. Others

# LOCATION MAP OF THE SITE

	Site No.:
To tha	ka V
Pacea Road	Jorangong Bazar
To: Feni dam  Earth Road  O. 5 km	
NO31  Banskhali G.P.S Dheka Chittayorg Miresaral  Road Junction	
1.7 × 2.40	sitakunda Bogar
2 km No4 Giolafaria GPS No4 Pacca Read 2 km oway from Silahunda Bazar	THO sitakunda
Earth Road  Faha Paha Paha Paha Paha Paha Paha Paha	R.R Textaile
Not   10-24	to chittagong

Site No. : <u>Y</u>
Name of School: Golabaria GPS 19.5 pond well school site under 25.500 paddy Land A10-25





学校敷地全景



校舎全景・

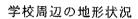


教室内状況

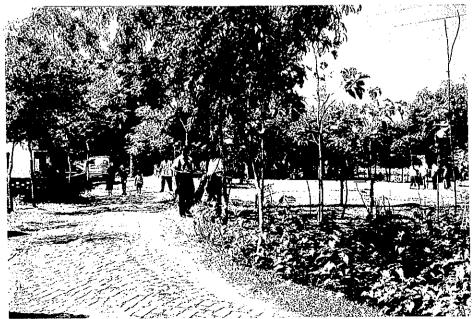
A10-27



付帯施設の状況







学校周辺の道路状況

A10-28

# SITE SURVEY CHECK LIST

(Date: 1998/<u>10</u>/<u>20</u>

1.	Site No. :	
	Ea	t Longitude 9/° 46' 56"
	No	rth Longitude 9/° 40′ 5/5″  rth Longitude 32° 33′ 5/60″
2.	Name of School	Jovalia G.P.S
		trict; <u>ChiTlagong</u> Thana; <u>SiToKunda</u> on; <u>Barabkunda</u> Village; <u>Noralia</u>
4.	Interviewee : Na	me Mk. Aftab uddin chrosition; I fead master.  Mr. Jahada Begum Member up
5.	Accessibility	Mrs. Jahada Begum Member UP
	1) Nearest Station, Por	, Main Road: Dakha ~ Ciltagon Pistance; ZO km
	2) Road Conditions	Road
	- Kind of Pavement	: (Earth, Gravel, Brick, Asphalt, Concrete
	- Conditions of Pave	ment : Good, Not so good, Bad
	- Road Width	: <u>3</u> m
	- Passable Vehicle	: Motor cycle, Rikisha, Sedan, (eep, Truck (2 ton)
	- Necessity for Repa	r of Road : Yes, No
-	- Necessity for Repa	r of Bridges or Culverts : Yes, 👀
6.	Conditions of School	
٠.	Name of Landowner	: GO.B
	2) Area of School Site	: <u>\P\O</u> m <sup>2</sup> (including Playground of \(\frac{3\O}{2}\Om^2\))
	3) School Building	: $\sqrt{\text{no(s)}}$ (Floor Area: $\sqrt{2.8}$ m $\times 6.5$ m $= 121$ m <sup>2</sup> )
	4) Type of Building	: RC, Brick, Wooden
	5) Building Conditions	,
	6) Layout of Building	: Class Room : 3 nos. ( m × 6.2m)
	, = <b>, , </b>	Teacher's Room : $\frac{1}{2} \log(x) \left( \frac{1}{2} + \frac{1}{2} \right)$
		Other
		- Principal's Room : $\frac{\partial}{\partial}$ no(s) ( m × m)
		- Storage : $\mathcal{O}$ no(s) ( m × m)
		- Toilet :
	7) Ancillary Facility	
	, , , , , , , , , , , , , , , , , , , ,	: Well (Yes) No, out of order if yes, Depth of Well; 10 m with pump or not)
		spec: Spail 6
	•	Present Conditions: Good. Not so had. (Bad)

		Toilet (Fes, No,
		if yes, common or eparate)
		spec: dipping ar
		Present Conditions: Good, Not so bad, Bad
		Electric Facility (Yes) No) Powerline is installed 10 owery  Desk (Carlare), Chair (Cander) from the sifte
	8) Material of Fixtures :	Desk ( carlary), Chair (acoder) from the sifte
		Locker (aviden), Blackboard (0),
		Notice board ( ), Bookshelf ( ),
		Shelf (O), Other (O)
	9) Maintenance of Building :	Place; Roof (Leaking of rain?),
	)) Wanterland of Building	Piller (Exfoliate of concrete?),
		Wall (Colour painting?),
		Window (Window door-fitting?) Door fitting broken .
		Method; Name of organisation, Thang Himany Education Organisational unit for maintenance Committee
		(H.Q., District, Thana or school),
		Procedure for repair
		(Requesting, Patrol by engineer = when) 7E0
7	Surrounding Conditions	
•	1) Population within a 1.5km Radius	<i>faco</i> nos.
	2) Distance to Neighbouring	1007
	Primary School	:_, <del>}</del> _km
	Distance to Neighbouring	· <u></u>
	Cyclone shelter	: 🔎 km
	4) Neighbouring Killa 2020:	
	4) Weighbouring Kina 220A C	Size (Top);m × m, Height; m
		Progress Ratio; %
	5) Topographic Conditions Nearby	: 900d
		ice or Evacuation at Cyclone Time)
	6) Normal Flood Level in Site :	0.6 m
	•	· · · · · · · · · · · · · · · · · · ·
	7) Neighbouring Warning System: for Cyclone	
	for Cyclone	Measure of warning; Hand mike, Mega phone
	9) Maximum Damasa ha Carlana i	Kind of signal; <u>flag Siren</u>
	8) Maximum Damage by Cyclone in	the Past: Year of Hitting:
		Causalities; 670 nos.  (Why so may died?) no exclone shelter no High Builds
		(Why so may died!) // Get on & Shay (a) No Fright.
		(How to solve?) <u>tall trels</u> . House Rod.  Surge Height: <u>+</u> m
		Houses Broken: a// nos.
		Damage of Crops: 1200 ha
		Damage of Livestock: Cow 2000 nos.
		Goat 100 nos.
		Chan of Dill non

8.	Item to Be Confirmed in Case of the Project Being Executed
	1) Necessity for Demolition of : (Yes)(If yes: Executing Body 54 (), No. the Existing School Building
	2) Construction Body for Temporary School : 5'HC Building during the Construction of New school.
	3) Management and Maintenance System for : chairmanulpand SMC Planned Facilities (Shelter-cum-school)
	Planned Facilities (Shelter-cum-school)  4) Neighbouring Inhabitants' Participation in Management and Maintenance for the Planned Facilities.  : Co-oporation available (Manual Labour)
9.	Similar facilities construction plans (primary schools or cyclone shelters) constructed or to be constructed by other donors (including NGOs) around each site
	1) Past or currently implemented construction of similar facilities by other donors $youe$ 2) Survey of similar projects (requests to other donors, etc.) and any overlapping $youe$
10	. Capability of Sub-Contractor near the Site
	1) No. of Sub-Contractor near the Site : O
	2) No. of Engineers : D
	3) Past Experience and Construction Records :
11.	. Availability of Procuring Construction near the site
-	1) Equipment :
	2) Materials : Bricks
12.	Existing Well around the Site 100m northeast from the GPS
	1) Well depth : 9 w
	2) Screen depth : b m
	3) Well diameter: 37 1/-
	4) Water quality: NH4 is delected (2.0) (See Table A-10-2)
	5) Pump spec. : Sport 6

#### 13. The situation of education

## 1) Current enrolment (1998)

Baby	Class 1	Class 2	Class 3	Class 4	Class 5
Boys 60	46	4,5	· 35	28	22
Girls &	39	40'	19	22	23
Total 125	or	AF	94	5-0	45

## 2) The number of drop-out student (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys	10	/2	,1	9	7
Girls	15	10	13	10	9
Total	25	22	24	19	16

## 3) The number of repeaters (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys	3		У	2	ું ક
Girls	2	3	-2	1	2
Total	1	U	6	<i>y</i>	5

4) The attendance rate: ( ) % of the total registered pupils

#### 5) The number of classes

	•	Class 1	Class 2	Class 3	Class 4	Class 5
No. of Cl	asses	/	/	1	1	1

#### 6) The number of teachers (including principal)

	Male	Female
Qualified	Ų.	0
Non-Qualified		

7) The number of shifts of classes: 1 shift /2 shifts/ 3 shifts/ multi-grade classes: grade (, ) and grade () 4 ()

8) The total number of children of school age in this school area

9) What is your expectation on the enrolment change in the next five years?

- a. It will increase a lot.
- (b) It will increase a little.
- c. Almost same as in this year.
- d. It will decrease a little.
- e. It will decrease a lot.

	(a) Shortage of classrooms
	(b) Shortage of furniture
	c. Shortage of toilets
	d. Shortage of water supply facilities
	e. Shortage of textbooks or other education materials
	f. Deterioration of school building
	g. Difficulty to repair facilities/equipment
	h. Lack of involvement of the community in school management
	i. Lack of parental appreciation for education
	j. Other (Rand constition is muly a good)
11	) Which of the following points need to be emphasized in order to increase pupils' attendance
	(at your school?
	(a) Improvement of school facilities
	b. Enhancement of equipment
	c. Increase in parental appreciation for education
	d. Improve community participation
	@ Improvement of the access to school (routes and transportation)
	f. Qualitative improvement of teachers
	(g) Increase in the number of female teachers
	(h) Improvement of educational content
	i. Improved distribution of textbooks
-	j. Introduction of automatic advancement system
	k. Introduction of meal system
	l. Introduction of girls' classes
	m. Other ()
14. Sc	hool management and maintenance
1)	What is your school budget for the current fiscal year?
	Income:
	a. from the central government (Solary +1.80) TK
	b. from the local government ( O ) TK
	c. fees from students
	d. donation () TK
	e. Others
	TOTAL
	,

10) What are the three leading problems in terms of the environment of your school?

		Expenditu	re:						
		a. Salary f	or teachers			Salay	_) TK		
		b. Salary i	for other personnel			( 0'	) TK		
		c. Purchase of educational materials or chalks (1800) TK							
		d. Mainter	nance of the facilitie	s/equipment		( '0	) TK		
		e. Other		• •		( 0	) TK		
		The state of the s					) TK		
						<u> </u>			
	2) Is this school currently or going to be utilized in the future for other purposes suc								
		literacy classes and community meetings?							
		a. currentl	y utilized> not utilized	purpo	ses: (Adul	A Education	by lamp light		
		b. will be	utilized in the future	> purpo	ses: (	//	)		
			not be utilized	• •					
	3)	Currently	how the school facil	ities maintaine	ed?				
		Responsibility		Overall	Fin	ance	Manual labor		
				responsibili	y				
		a. Thana education office		9		0			
		b. Teachers							
		c. SMC		0			0		
		d. Parents of pupils							
		e. Comm							
		f. Others							
	4)	How ofter	SMC is held?	: (72	) / year		.* .		
	Í	Other tead	her-parents meeting	s : (ઙે	)/year				
			, .		,				
15.	Soc	ial environ	ment of children						
			does it take for pupi	ls to go to sch	ool?: ( /	O) minutes to	o (40) minutes		
		How do they commute to school?: walk/ bicycle/ bus/ other							
		,							
	2)	Do pupils	work outside of sch	ools?		· · · · · · · · · · · · · · · · · · ·			
		a. Boys:	Paid work: yes -		hat kind of v	vork? (	. )		
			(pg)				,		
			Household work	ves)> w no	hat kind of v	vork? (inst	for family		
		b. Girls:	Paid work: yes -	> w	hat kind of v	vork? (			
			Household work:	γ̂€8> w	hat kind of v	vork? (	"		

3)	What are the main economic activities in this community?
	( Rice Cultivation )
	What do you think the economic situation in this community compared with the average
	Bangladesh communities?
	a. Much better than the average
	b. Better than the average
	c. Almost the same
	Worse than the average
	e. Much worse than the average
4)	What are the characteristics of this community in terms of social classes, ethnicity, and religion?
	( none
5)	Are there any community organizations besides SMC in this community?
	(

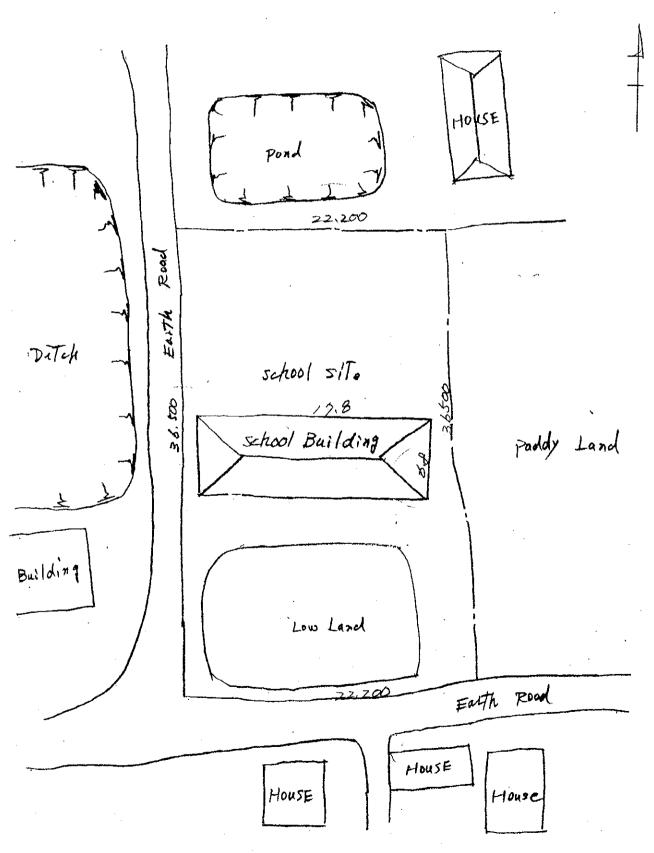
16. Others

# LOCATION MAP OF THE SITE

Site No.: To: Do.C Pacca Road. To: Feri dam THO S. NO31 Banskhali G.P.S THO Sitakunda NO4 Grolafaria GPS Earth Rend 0.5 KM Noralia GPS , A10-36

Site No.

Name of School: Name of School: Name of School



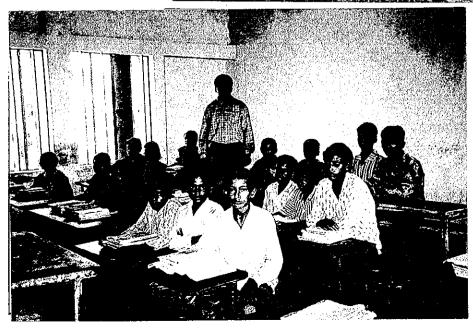




学校敷地全景



校舎全景

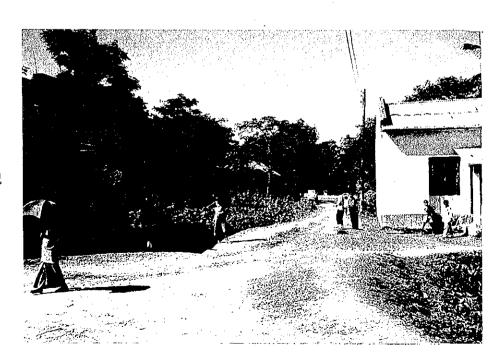


教室内状况

A10-39



学校周辺の地形状況



学校周辺の道路状況

# SITE SURVEY CHECK LIST

(Date: 1998/ <u>70</u> / <u>20</u> ) am

l.	Site No. :	<u>      8                              </u>	· .
		East Longitude	91 ° 40 ′ 181 ″ de <u>27</u> ° <u>36 ′ 210 ″</u>
		North Longitud	le <u>27 ° 36 ′ 210 ″</u>
2.	Name of School	Sadek M	lostan G-PS
3	Site Location :	District · C	hittagong Thana ; Sitakunda
J.			Auradour Village; <u>Sadek Mostan</u>
4.	Interviewee :	Name ME	ramul Hoque Position; Hard Maslar idara   Alam President SM.C Snn ddola Chowdhry Donor & Fouder
5.	Accessibility	Mr. Mc	SAR dolla chowdhay Town & Enden
	1) Nearest Station, I	Port. Main Roa	d: Dakha-chillogon Distance; o km
	2) Road Conditions	<b>,</b>	Road.
	- Kind of Paveme	ent	: Earth, Gravel, Brick, (Asphalt) Concrete
	- Conditions of P		: Good Not so good, Bad
	- Road Width		: <u>8</u> m
	- Passable Vehic		: Motor cycle, Rikisha, Sedan, Jeep, (Truck (10 ton)
	- Necessity for R	•	: Yes, No
	- Necessity for R	-	s or Culverts : (Yes) No
6	Conditions of School	~1	
υ.	1) Name of Landow		608
	2) Area of School S		: 1307m² (including Playground of 9m m²)
	3) School Building		$\frac{7507}{\text{m}} \text{ (filling Flayground of } \frac{975}{\text{m}} \text{ m}  \frac{774}{\text{m}^2} \text{m}^2$
	4) Type of Building		RC, Brick) Wooden
	5) Building Condition		Good, Not so good, Bad (3/ years after built)
	banding Condition     Layout of Building		Class Room : $4 \text{ nos.} (48 \text{ m} \times 5.5 \text{ m})$
	o, za, oai oi zanai	*D	Teacher's Room : $\underline{1}$ no(s) ( $\underline{4}$ 8 m $\times$ $\underline{5}$ 6 m)
			Other MIL
		•	- Principal's Room : <u>No</u> no(s) ( m × m)
	•		- Storage : <u>No</u> no(s) ( m × m)
			- Toilet : 2 no(s) (1 m × 1 m)
	7) Ancillary Facility	<i>(</i>	Well (Yes,) No,
	.,	·	if yes, Depth of Well; 7 m with pump or not)
			spec: New MAYA PHI-6
			Present Conditions: Good, Not so bad, Bad.

		Toilet ((	(es) No,		
		if yes, রি	ommon or separate)		
		spec:	dipping up		
				ot so ba	d Bad
		Electric	Facility (Yes) No)	Powerl	ine intered from the ments
	8) Material of Fixtures :	Desk (u	moden,	Chair (_	id. Bad  interior from the neighbouring  wooder private house of  pard (
	•	Locker (	wooden), E	Blackbo	pard ( ) where xlay pay
			oard (	Booksh	elf (
	9) Maintenance of Building :	Place;			1
	)) Mannenance of Bananig		Piller (Exfoliate of c		2) delargated
			Wall (Colour paintin		?), delevioraled.
			Window (Window d		ing?)
-		Method	; Name of organisatio		Maintenance done by smc
		IVICTIOU,	Organisational unit f		Subscription
			(H.Q., District, Than		hool) headmaster - SMC - committee
	·		Procedure for repair		> local people
					neer = when) no visit from Thosa engineer
			inspec	tor of	neer = when) no visit from Thoma engineer school some monthly seducation export to higher authority side only
7.	Surrounding Conditions		and ma	akes n	eport to higher authority side only
	1) Population within a 1.5km Radiu	s	7000nos. (above)		, , , , , , , , , , , , , , , , , , , ,
	2) Distance to Neighbouring			•	
	Primary School		: <u>人5</u> km		
-	3) Distance to Neighbouring				
	Cyclone shelter		: <u>2</u> km		
	4) Neighbouring Killa No :		e from the School;		
		Size (T	op);m×r	m, Heig	ht; m
		Progres	ss Ratio;%		
	5) Topographic Conditions Nearby		: <u>Nothing</u>		
	(Obstruction for School Attenda		a '	Time)	·
	6) Normal Flood Level in Site :		10,6 m		0.0
	7) Neighbouring Warning System :		Warning organisation;		
	for Cyclone		Measure of warning; _		- · · · · · · · · · · · · · · · · · · ·
			Kind of signal; Fla	ti .	Siren
	8) Maximum Damage by Cyclone	n the Pas	and the second s		
					1991 (100~150 people died)
			(Why so may died?)		
					ated to house roof, tall trees.
			Surge Height:	3.0	
			Houses Broken:	<u>99 %</u>	
			Damage of Crops:	100%	_
			Damage of Livestock:		Cow 100 40 nos.
		•			Goat 100 % nos.
					Sheep <u>NIL</u> nos.
					Chicken duck
			and the second s		COM III

8.	Item to Be Confirm	ed in Case of the Project B	eing Execu	ted		
	1) Necessity for Det the Existing Scho	molition of : Yes (If ye	s: Executin	g Body	SMC	), No.
		dy for Temporary School the Construction of	·c	SMC.		
		Maintenance System for s (Shelter-cum-school)	:	SHC		
	4) Neighbouring In in Management a Planned Facilitie	habitants' Participation and Maintenance for the s.	: Publi	c donadie Manual	Labour	
9.		onstruction plans (primary r donors (including NGOs		•	helters) con	structed or to be
	1) Past or currently	implemented construction	of similar f	acilities by	other donor	S NIL
	•	projects (requests to other		-		
	2) our roy or simmar	projecta (requesto to ottre	4011010, 011	.,	• • •	IL
10	. Capability of Sub-	Contractor near the Site				
	1) No. of Sub-Cont	ractor near the Site	:	No		
	2) No. of Engineers	3	:	6,0		
	3) Past Experience	and Construction Records	:	ND.		
11	. Availability of Pro	curing Construction near t	he site			
-	= =					
	2) Materials	: <i>D</i>				
12	. Existing Well a	and the Site				
1,2		: 70m				
		. <u>N.A</u>				
	•	: 3d mm	*			
			. 1	interfer	1.111	•
	5) Dump cros	: Arsenic Co.09 mals	i i was det (See T	ectra : noi able A-10.	r-armende 21	
	5) Pump spec.	: New MAYA PHF 6	,		/	

#### 13. The situation of education

1) Current enrolment (1998)

NFANT		Class 1	Class 2	Class 3	Class 4	Class 5
22	Boys	<i>5</i> 8	51	88	<i>5</i> 8	59
24	Girls	52	51	72	52	60
46	Total	110	102	180	/10	119

2) The number of drop-out student (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys			3	2	
Girls			1	3	2
Total	٠		4	5	2

3) The number of repeaters (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys	2.702			The second street and personal property and a	AND AND ASSESSMENT OF THE PARTY
Girls		المعادة المساحدة والمساحدة	The same of the sa		
Total					

- 4) The attendance rate: (85) % of the total registered pupils
- 5) The number of classes

	Class 1	Class 2	Class 3	Class 4	Class 5
No. of Classes	1	/	1	/	/

6) The number of teachers (including principal)

	Male	Female
Qualified	Z	4
Non-Qualified		
		6

- 7) The number of shifts of classes: 1 shift (2 shifts) 3 shifts/ multi-grade classes: grade (1, 2) and grade (3, 4,5)
- 8) The total number of children of school age in this school area

Enrolment pupils are 80-85% of the total number of

- 9) What is your expectation on the enrolment change in the next five years? School age children
  - a. It will increase a lot.
  - (b) It will increase a little.
  - c. Almost same as in this year.
  - d. It will decrease a little.
  - e. It will decrease a lot.

· food for education program will be stayled.

1991

10) what are the three leading problems in terms of the env	fronment of your school?
(a) Shortage of classrooms	
<b>b</b> Shortage of furniture	
c. Shortage of toilets	
d. Shortage of water supply facilities	
e. Shortage of textbooks or other education materials	
f)Deterioration of school building - risky	•
g. Difficulty to repair facilities/equipment	
h. Lack of involvement of the community in school ma	anagement
i. Lack of parental appreciation for education	-
j. Other ()	
11) Which of the following points need to be emphasized in at your school?	n order to increase pupils' attendance
(a) Improvement of school facilities	
b. Enhancement of equipment	
c. Increase in parental appreciation for education	
d. Improve community participation	
e. Improvement of the access to school (routes and tran	sportation)
f. Qualitative improvement of teachers	•
g. Increase in the number of female teachers	
h. Improvement of educational content	
i. Improved distribution of textbooks	
j. Introduction of automatic advancement system	
(k) Introduction of meal system	
1. Introduction of girls' classes	
m. Other ()	
14. School management and maintenance	
1) What is your school budget for the current fiscal year?	
Income: Salary _	
a. from the central government	(12300+260) TK
b. from the local government	()TK
c. fees from students	(13000) TK → exam
donation	( <u>\$000</u> ) TK
e. Others	() TK
TOTAL	<u>T'K</u>
	-
(a) Improvement of school facilities b. Enhancement of equipment c. Increase in parental appreciation for education d. Improve community participation e. Improvement of the access to school (routes and tran f. Qualitative improvement of teachers g. Increase in the number of female teachers h. Improvement of educational content i. Improved distribution of textbooks j. Introduction of automatic advancement system (k) Introduction of meal system l. Introduction of girls' classes m. Other (	(/2300+260)/TK () TK () TK () TK → exam () TK () TK

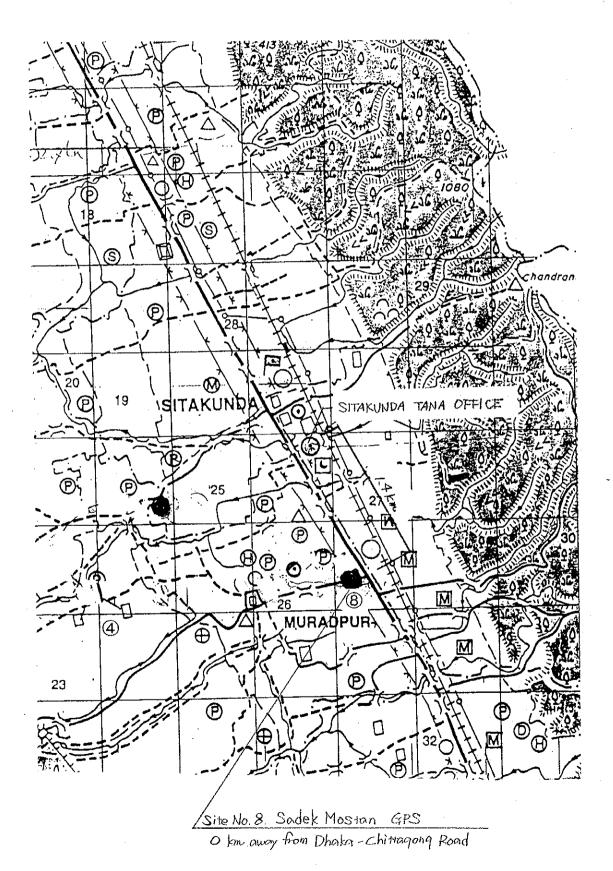
Contingono, 250 x 12 = 3.000 /=

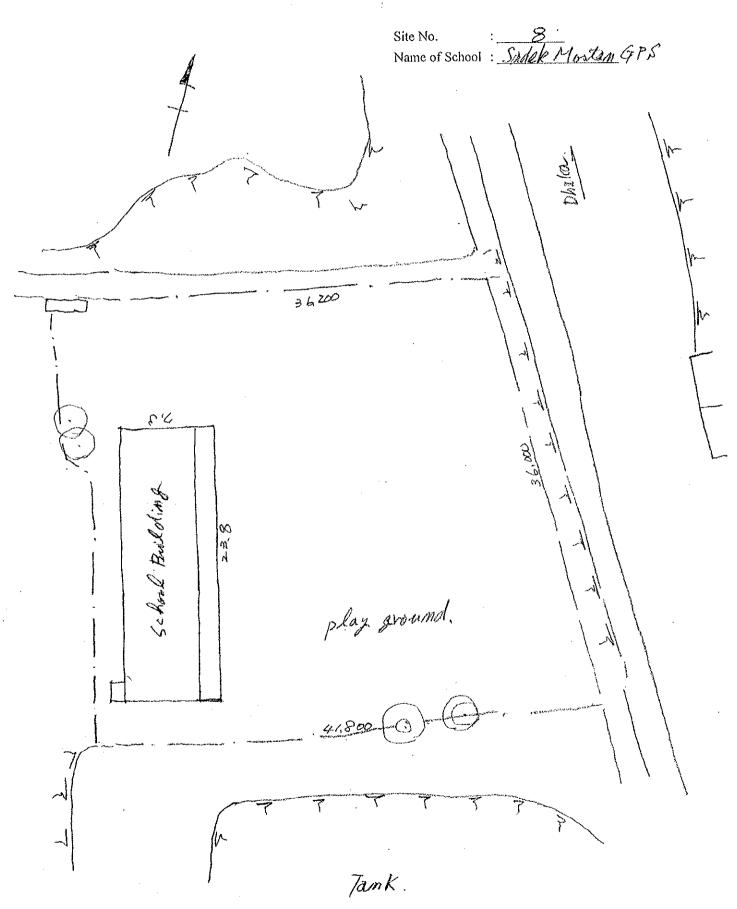
	Expenditur	<u>e:</u>					
	a, Salary fo	or teachers		(17.300)	ŢΚ		
	b. Salary fo	or other personnel		(	TK		
	c. Purchase	e of educational mat	erials or chalks	( 250/M	AKAM		
	d. Mainten	ance of the facilities	/equipment		TK		
	e. Other			( 500)	TK		
	TOTAL			(	TK		
2)	Is this scho	ool currently or going	g to be utilized in the	future for other purp	oses such as adult		
•		isses and community	•				
	•	y utilized> not utilized	<del>"</del> .	meetings )			
	b. will be i	utilized in the future	> purposes: (a	dult education )			
		not be utilized	1 1		•		
		•					
3)	Currently l	now the school facili	ties maintained?				
	Responsi	hility	Overall	Finance	Manual labor		
	Response	onity .	responsibility				
	a. Thana	education office	·				
	b. Teache	ers					
	c. SMC		0	0	0		
	d. Parent	s of pupils					
	e. Comm						
	f. Others						
	L		J.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
4	) How often	SMC is held?	: ( /2 )/year		•		
		her-parents meeting	-				
		B					
15. S	ocial environ	ment of children					
1		ow long does it take for pupils to go to school?: (15) minutes to (20) minutes					
	_	ow do they commute to school?: (walk) bicycle/ bus/ other					
		<b>-</b>		•			
2	) Do pupils	Do pupils work outside of schools?					
	a. Boys:			ıd of work? (	· · · · · · · · · · · · · · · · · · ·		
		(no)					
		Household work:	yes)> what kin	nd of work? ( <u>House</u>	e keeping )		
	b. Girls:	Paid work: ves -	> what kin	nd of work? (	)		
		no	· <del></del> -				
		Household work:	yes)> what kin	nd of work? ( <u>How</u>	skeeping )		

3)	What are the main econ	omic activities in this co	ommunity?	
	( Agriculture	Ship Breaking	)	
	//	· /	is community compared with the ave	rag
	Bangladesh communitie	es?		
	a. Much better than the	average		
	(b) Better than the avera	ge		
	c. Almost the same			
	d. Worse than the avera	ge		
	e. Much worse than the	average		
4)	What are the characterist religion?	stics of this community	in terms of social classes, ethnicity, a	ınd
	(	none		
5)	Are there any communi	ty organizations besides	s SMC in this community?	
	(	· · ·		
· .	,			

# LOCATION MAP OF THE SITE

Site No.: \_\_\_\_\_8





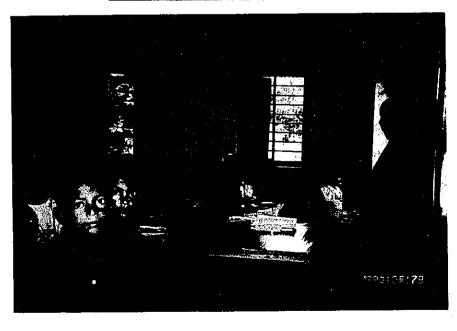




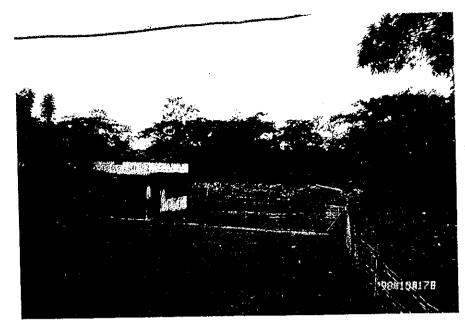
学校敷地全景



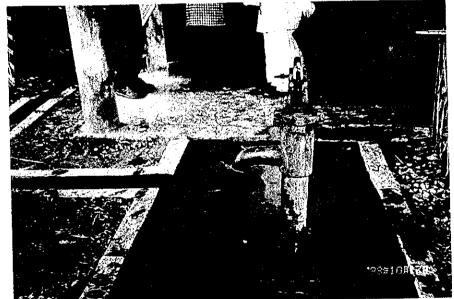
校舎全景



教室内状况



学校周辺の地形状況



付帯施設の状況



学校周辺の道路状況

## SITE SURVEY CHECK LIST

(Date: 1998/ /2/20)

Ι.	Site No. : 9  East Longitude 91 ° 17 ' 314"  North Longitude 22 ° 37 ' 576"
2.	Name of School West Sayedpur GPS
	Site Location : District ; <u>chittagong</u> Thana ; <u>Sitakunda</u> Union ; <u>Sayedpur</u> Village ; <u>Sayed Pur</u>
4 <i>.</i> 5.	Interviewee: Name Aban Adaptan Position; Head Make Mr. Anowaral Azim President SHC  Accessibility Mt. Ud Alom Hanit up Member  1) Nearest Station, Port, Main Road Dakha ~ Cillagore Distance; 35 km  2) Road Conditions
	- Kind of Pavement : Earth, Gravel, Brick, Asphalt, Concrete  - Conditions of Pavement : Good, Not so good, Bad  - Road Width : 20 m  - Passable Vehicle : Motor cycle, Rikisha, Sedan, Jeep, Truck (2 ton)  - Necessity for Repair of Road : Yes, No  - Necessity for Repair of Bridges or Culverts : Yes, No
6.	Conditions of School  1) Name of Landowner  2) Area of School Site  3) School Building  4) Type of Building  5) Building Conditions  6) Layout of Building  Class Room  Class Room  Cheres

Toil	et (Yes) No,
if ye	s, common or separate)
· · · · · · · · · · · · · · · · · · ·	: Dipping up
Pres	ent Conditions: (Good,) Not so bad, Bad
<u>.</u> Elec	stric Facility (Yes, (No) Pewerline is installed sub many and k (nowless), Chair (worder) from whe sites
8) Material of Fixtures : Des	k (nowless), Chair (wordson) franches tud
	ker ( wowden ), Blackboard ( worthen ),
	ice board ( o ), Bookshelf ( o ),
She	If $( \bigcirc \bigcirc )$ , Other $( \bigcirc \bigcirc )$
9) Maintenance of Building : Place	
,	Piller (Extoligite of concrete?),
	Wall (Colour painting?) peopled off
	Window (Window door fitting?) bad
Me	thod; Name of organisation,
	Organisational unit for maintenance
	(H.Q., District, Thana or school),
	Procedure for repair
	(Requesting, Patrol by engineer = when)
	Inspector of school visit the Sites.
7. Surrounding Conditions	
1) Population within a 1.5km Radius	: <u>4000</u> nos.
2) Distance to Neighbouring	
Primary School	: <u>/ 5</u> km
3) Distance to Neighbouring	
Cyclone shelter	: <u>/ 5</u> km
4) Neighbouring Killa none: Dis	tance from the School; m
Siz	e (Top);m ×m, Height;m
	gress Ratio; %
5) Topographic Conditions Nearby	:
(Obstruction for School Attendance	or Evacuation at Cyclone Time)
6) Normal Flood Level in Site :	<u>0,3</u> m
7) Neighbouring Warning System:	Warning organisation; BDRCS
for Cyclone	Measure of warning; <u>Wiking/Masaphone</u>
	Kind of signal; Flag
8) Maximum Damage by Cyclone in the	Past: Year of Hitting:
(hildren (ald george)	Causalities; 200 nos.
(evocuated (children /old people)	(Why so may died?) no embankment / shelter
8~9 feet	Surge Height: 3,0 m A feet
50 40	Houses Broken: 100 % nos.
100 %	Damage of Crops: 100% ha
60 %	Damage of Livestock: Cow 100 nos.
80 h	Goat <u>100</u> nos.
	Sheep nos.
	others 100%

8.	Item to Be Confirmed in Case of the Project Being Executed
	1) Necessity for Demolition of : (Yes)(If yes: Executing Body SMC), No. the Existing School Building
	2) Construction Body for Temporary School : SMC Building during the Construction of New school.
	3) Management and Maintenance System for : SMC / villages Planned Facilities (Shelter-cum-school)
	4) Neighbouring Inhabitants' Participation : Yes, (Manual Labour) in Management and Maintenance for the Planned Facilities.
9.	Similar facilities construction plans (primary schools or cyclone shelters) constructed or to be constructed by other donors (including NGOs) around each site $NO$
	<ol> <li>Past or currently implemented construction of similar facilities by other donors</li> <li>Survey of similar projects (requests to other donors, etc.) and any overlapping</li> </ol>
10	. Capability of Sub-Contractor near the Site
	1) No. of Sub-Contractor near the Site :
	2) No. of Engineers :
	3) Past Experience and Construction Records :
11	. Availability of Procuring Construction near the site
	1) Equipment :
٠	2) Materials :
12	. Existing Well around the Site for mouth away from the G.P.S
	1) Well depth : // 111
	2) Screen depth : W-A
	3) Well diameter: 38 mm
	4) Water quality: 950d (See 7a ble A-10-2)
	5) Pump spec. : spail - b

## 13. The situation of education

#### 1) Current enrolment (1998)

INFANT		Class 1	Class 2	Class 3	Class 4	Class 5
25	Boys	35	32	36	19	22
20	Girls	41	36	25	14	21
45	Total	76	68	61	33	43

18s

## 2) The number of drop-out student (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys					2
Girls				1	/
Total			/	/	3

3) The number of repeaters (1997)

	Class 1	Class 2	Class 3	Class 4	Class 5
Boys			Z	/	5
Girls	-	<b>V——</b> ,	/	2	
Total			3	3	5

4) The attendance rate: (80~85) % of the total registered pupils

food for education programs - 40%

5) The number of classes

	Class 1	Class 2	Class 3	Class 4	Class 5
No. of Classes	1	/	1	1	1

6) The number of teachers (including principal)

	Male	Female
Qualified	2	2
Non-Qualified		. ,——.

4

- 7) The number of shifts of classes: 1 shift /2 shifts / 3 shifts/ multi-grade classes: grade (/, 2) and grade (). u. f)
- 8) The total number of children of school age in this school area

- 9) What is your expectation on the enrolment change in the next five years?
  - a. It will increase a lot.
  - (b) It will increase a little.
  - c. Almost same as in this year.
  - d. It will decrease a little.
  - (e. It will decrease a lot.

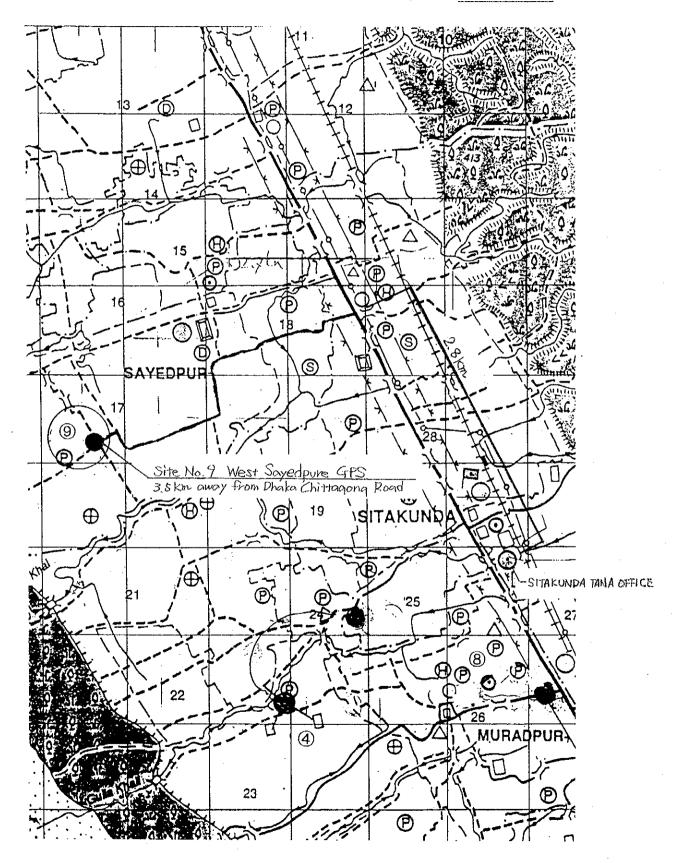
<ol><li>What are the three leading problems in</li></ol>	terms of the en	vironment of your school	ol?
<ul><li>a Shortage of classrooms</li></ul>			
(b) Shortage of furniture			
© Shortage of toilets			
(d) Shortage of water supply facilities			
e. Shortage of textbooks or other educ	cation materials		
f. Deterioration of school building			
g. Difficulty to repair facilities/equipr	nent		
h. Lack of involvement of the commu	ınity in school m	nanagement	
i. Lack of parental appreciation for ed	lucation		
j. Other ( Sports materials	)		
11) Which of the following points need to	be emphasized i	in order to increase pupi	ils' attendanc
at your school?		`	
a. Improvement of school facilities	•		
b)Enhancement of equipment		•	
c. Increase in parental appreciation for	education		
d. Improve community participation			
e. Improvement of the access to schoo	l (routes and tra	nsportation)	
f. Qualitative improvement of teachers	\$		
g. Increase in the number of female tea	achers		
h. Improvement of educational conten	t		
i. Improved distribution of textbooks			
j. Introduction of automatic advancem	ent system	•	
(k) Introduction of meal system			
l. Introduction of girls' classes			
m. Other ( road condition	)		
14. School management and maintenance			
<ol> <li>What is your school budget for the curr</li> </ol>	rent fiscal year?		
Income:			
a. from the central government	÷	( <i>144,432</i> ) TK	
b. from the local government		() TK	
c. fees from students		() TK	salary
d. donation		(3500 /= )TK	exam
e. Others		() TK	
TOTAL			
contingency allowance	/50 x 12		
SMC donation	500 TK	Vertex	

	Expenditure:									
	a. Salary for teachers			(144 432)	TK					
	b. Salary for other perso	nnel		()	TK					
	c. Purchase of education	nal mater	ials or chalks	(200/14)	) TK					
	d. Maintenance of the fa	cilities/e	quipment	(3000)	) TK					
	e. Other				TK					
	TOTAL			(	) TK					
2)	Is this school currently	or going	to be utilized in the	future for other purp	oses such as adult					
	literacy classes and community meetings?									
	a. currently utilized		purposes: (_							
	b. will be utilized in the	future	> purposes: ( )	1ilord (religious)						
	not be utiliz	zed		Community mee-	tina ·					
3)	Currently how the scho	ol faciliti	es maintained?							
	Responsibility	i	Overall responsibility	Finance	Manual labor					
	a. Thana education office			0						
	b. Teachers									
	c. SMC		. 0							
	d. Parents of pupils			. 0						
	e. Community									
	f. Others									
					:					
4)	How often SMC is held	1?	; ( 12 )/year	· r						
,	Other teacher-parents r									
	1	J	•							
15. So	cial environment of chile	iren								
1)	How long does it take	for pupils	s to go to school?:	(25) minutes to	o ( <u>30</u> ) minutes					
	How do they commute to school?: walk/ bicycle/ bus/ other									
2)	Do pupils work outside of schools?									
	a. Boys: Paid work:	yes	> what kir	nd of work? (						
		no								
		ne	o o	nd of work? ( <u>Cuff;</u>						
		(no		nd of work? (						
	Household	work:(v	es)> what ki	nd of work? ( <u>Hou</u>	rehold work)					
			o o							

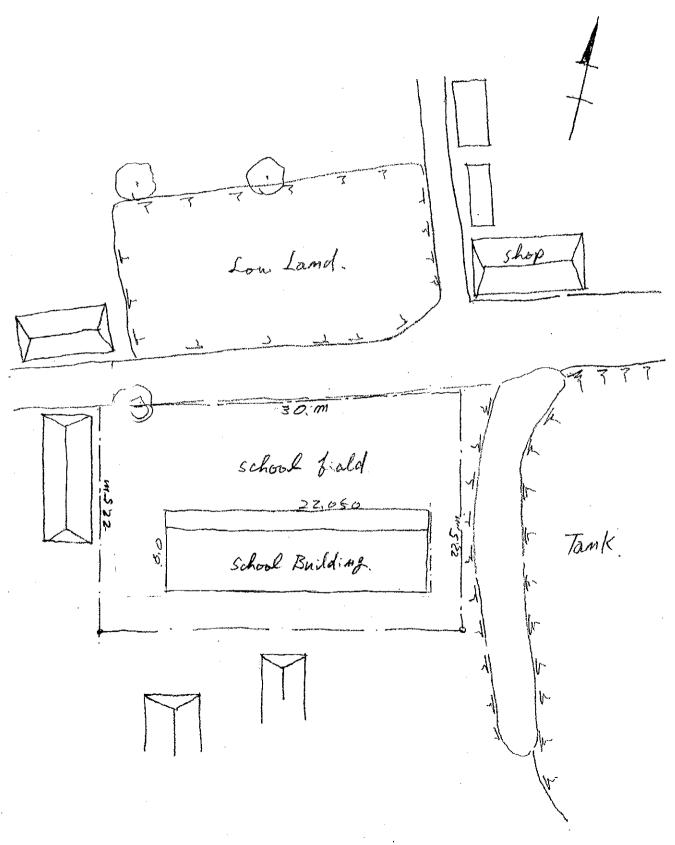
	What do you think the economic situation in this community compared with the a
	Bangladesh communities?
	a. Much better than the average
	b. Better than the average
	c. Almost the same
	d Worse than the average
	e. Much worse than the average
	·
I)	What are the characteristics of this community in terms of social classes, ethnicity religion?
()	
	religion?

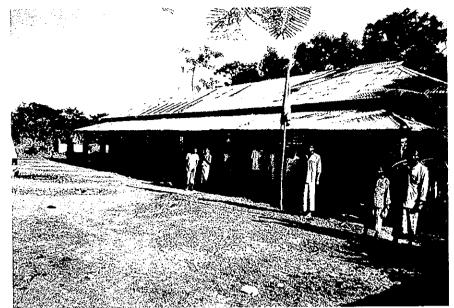
## LOCATION MAP OF THE SITE

Site No.: 9



Site No. : 9
Name of School: West Sayedpoor & PS





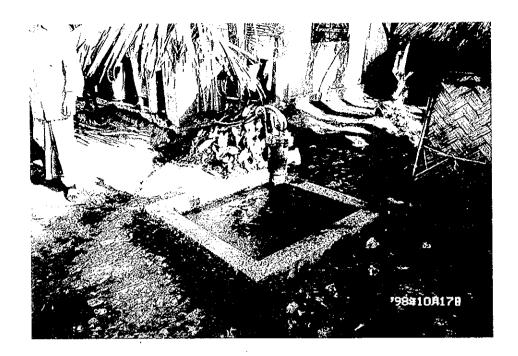
学校敷地全景



校舍全景



教室内状况



付帯施設の状況



学校周辺の地形状況