LOCAL GOVERNMENT ENGINEERING DEPARTMENT,
MINISTRY OF LOCAL GOVERNMENT, RURAL DEVELOPMENT
AND COOPERATIVES
THE PEOPLE'S REPUBLIC OF BANGLADESH

BASIC DESIGN STUDY REPORT
ON
THE PROJECT FOR THE CONSTRUCTION OF MULTIPURPOSE CYCLONE SHELTERS (III)
IN
THE PEOPLE'S REPUBLIC OF BANGLADESH

(APPENDIX 9. RESULTS OF SITE CONDITIONS SURVEY
APPENDIX 10. RESULTS OF NATURAL CONDITIONS SURVEY)

OCTOBER, 1995

JAPAN INTERNATIONAL COOPERATION AGENCY
JAPAN ENGINEERING CONSULTANTS CO., LTD.

BASIC DESIGN STUDY REPORT ON THE PROJECT FOR THE CONSTRUCTION OF MULTIPURPOSE CYCLONE SHELTERS (III) IN THE PEOPLE'S REPUBLIC OF BANGLADESH (APPENDIX 9. APPENDIX 10.) OCTOBER, 1995

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CONTENTS

APPENDIX 9.

RESULTS OF SITE CONDITIONS SURVEY

APPENDIX 9. RESULTS OF SITE CONDITIONS SURVEY

(1) Site Conditoins Survey

The Government of Bangladesh initially put forward 63 candidate sites for the Project (III). Having examined and discussed the list of candidate sites in view of the actual implementation period of the construction work under the grant aid scheme of the Government of Japan, the local distribution of the listed candidate sites, the types of existing schools, the envisaged period for the basic design study and the findings of the preliminary study at Thana Mirsharai, the Japanese government organizations related to the Project (III) decided to select 25 sites located in the Chittagong, Laxmipur and Noakhali Districts, in turn situated inside the HRA. The site conditions survey would then be conducted and, based on the findings of this survey, 18 sites would be identified as high priority sites. The number would finally be reduced 15 based on the results of the natural conditions survey and the basic plan regarding the actual construction of cyclone shelters would address these 15 high priority sites.

In short, 25 sites located in the Chittagong, Laxmipur and Noakhali Districts were selected (see Table A-9-1) out of the originally requested 63 sites for the survey to confirm the site conditions.

The site conditions survey was conducted at the 25 selected sites. In view of the fact that all the selected sites were primary school premises, the survey tried to identify the following details.

(1) Locational Conditions

- Site access
- Land ownership
- Site area

(2) Items Related to School Education

- State of building(s)
- Number of pupils and teachers
- State of drop-out
- Available educational fittings
- Auxiliary facilities
- Maintenance system

(3) Items Related to Cyclones

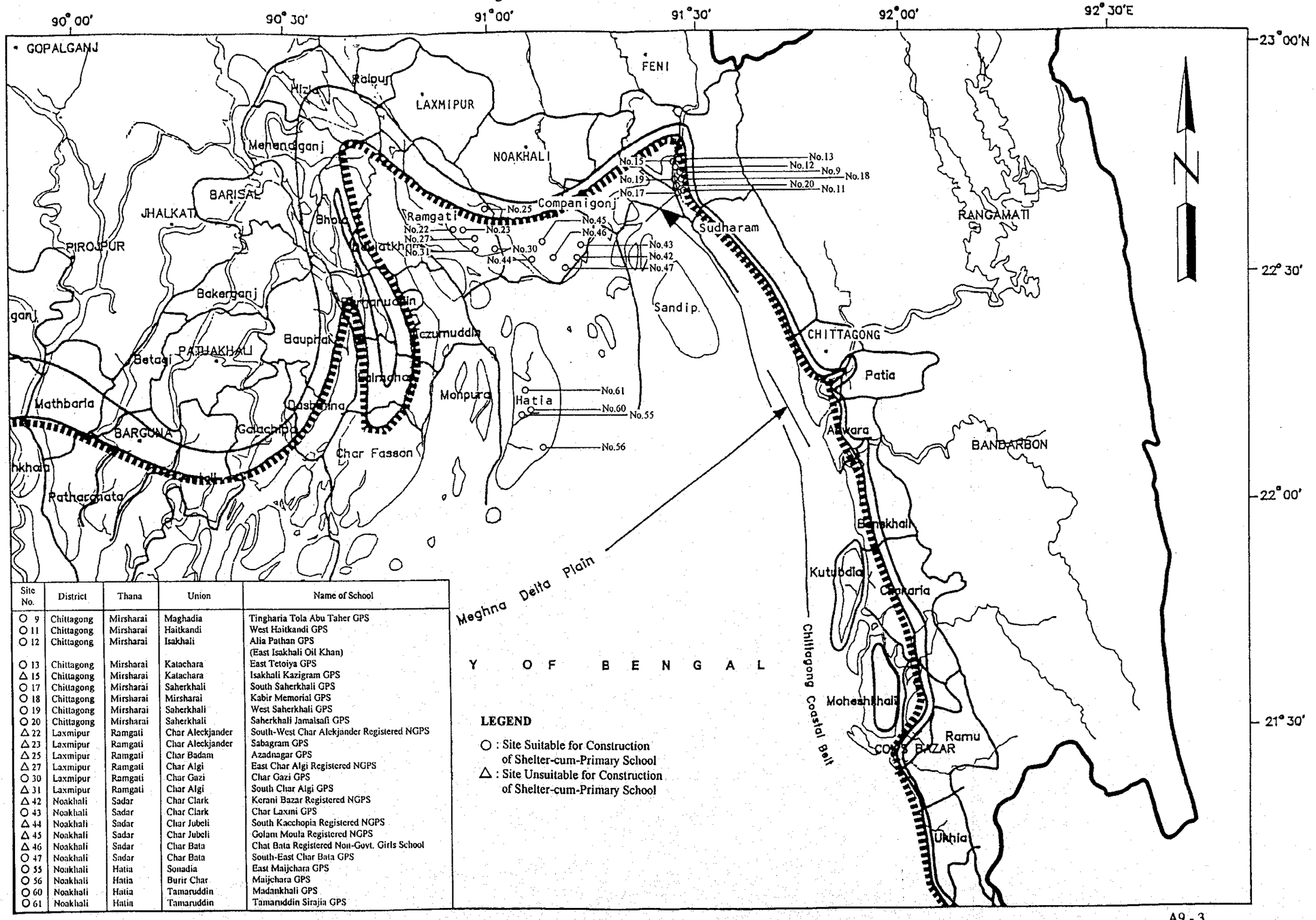
- Population within a 1.5 km radius
- Distance to nearest cyclone shelter
- Actual cyclone damage in the past (number of casualties, damage to housing, damage to farming and storm surge height, etc.)
- Cyclone warning system in the neighbourhood
- Availability of killa(s) in the neighbourhood

(4) Others

- Items to be confirmed should the Project be implemented
  * Necessity for demolition of existing school building(s)
  * Construction body for temporary school building to be used during the construction of planned facilities
  * Neighboring inhabitants' participation in operation and maintenance
- Job capabilities of possible sub-contractors based near the sites
- Availability of procuring construction materials and equipment, etc. near the sites

The findings of the site conditions surrey at each site are shown in the following check lists, photographs, etc.

Fig. A-9-1 Locations of 25 Sites Selected for Site Conditions Survey



Site No.	District	Thana	Union	Name of School
○ 9	Chittagong	Mirsharai	Maghadia	Tingharia Tola Abu Taher GPS
○ 11	Chittagong	Mirsharai	Haitkandi	West Haitkandi GPS
○ 12	Chittagong	Mirsharai	Isakhali	Alia Pathan GPS (East Isakhali Oil Khan)
○ 13	Chittagong	Mirsharai	Katachara	East Tetoiya GPS
△ 15	Chittagong	Mirsharai	Katachara	Isakhali Kazigram GPS
○ 17	Chittagong	Mirsharai	Saherkhali	South Saherkhali GPS
○ 18	Chittagong	Mirsharai	Mirsharai	Kabir Memorial GPS
○ 19	Chittagong	Mirsharai	Saherkhali	West Saherkhali GPS
○ 20	Chittagong	Mirsharai	Saherkhali	Saherkhali Jamalsafi GPS
△ 22	Laxmipur	Ramgati	Char Aleckjander	South-West Char Alekjander Registered NGPS
△ 23	Laxmipur	Ramgati	Char Aleckjander	Sabagram GPS
△ 25	Laxmipur	Ramgati	Char Badam	Azadnagar GPS
△ 27	Laxmipur	Ramgati	Char Algi	East Char Algi Registered NGPS
○ 30	Laxmipur	Ramgati	Char Gazi	Char Gazi GPS
△ 31	Laxmipur	Ramgati	Char Algi	South Char Algi GPS
△ 42	Noakhali	Sadar	Char Clark	Kerani Bazar Registered NGPS
○ 43	Noakhali	Sadar	Char Clark	Char Laxmi GPS
△ 44	Noakhali	Sadar	Char Jubeli	South Kacchopia Registered NGPS
△ 45	Noakhali	Sadar	Char Jubeli	Golam Moula Registered NGPS
△ 46	Noakhali	Sadar	Char Bata	Chat Bata Registered Non-Govt. Girls School
○ 47	Noakhali	Sadar	Char Bata	South-East Char Bata GPS
○ 55	Noakhali	Hatia	Sonadia	East Maijchara GPS
○ 56	Noakhali	Hatia	Burir Char	Maijchara GPS
○ 60	Noakhali	Hatia	Tamaruddin	Madankhali GPS
○ 61	Noakhali	Hatia	Tamaruddin	Tamaruddin Sirajia GPS

LEGEND

○ : Site Suitable for Construction of Shelter-cum-Primary School

△ : Site Unsuitable for Construction of Shelter-cum-Primary School

SITE SURVEY CHECK LIST

(Date: 1995 / 3 / 25)

1. Site No. 9
2. Name of School: Tingharia Tola Abu Taher GPS
3. Site Location : District: Chittagong Thana : Mirsharai
   Union ; Moshandia Village: Tingharia Tola
4. Interviewee : Name : Mr. Profulla Kumar Nath Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, Main (Road) Dhaka ~ Chittagong Distance: 7.5 km
   2) Road Conditions (1 Km Road)
      - Kind of Pavement: (Earth), Gravel, (Brick), Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2.5~3.0 m Road gets muddy in raining season
      - Passable Vehicle: Motor cycle, Rikisha, (Sedan), (Jeep), (Truck (~2.0 ton) only in dry season)
      - Necessity for Repair of Road: Yes, (No)
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 1,482 m² (including Playground of 722 m²)
   3) School Building : 1 no(s) (Floor Area; 15.2 m × 5.3 m = 80.56 m²)
   4) Type of Building : RC, Brick, (Wooden)
   5) Building conditions : Good, Not so good, (Bad) (4 years after built)
   6) Layout of Building : Class Room : 3 nos (4.13 m × 5.3 m)
      Teacher's Room; 1 no(s) (2.8 m × 5.3 m)
      Other : – no(s) (– m × – m)
   7) Number of Pupils : 366 nos (Single education, (Two shift education))
      (Class-1; 90 nos, Class-2; 85 nos, Class-3; 84nos)
      (Class-4; 60 nos, Class-5; 47 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      Class-4; nos, Class-5; nos,
   9) Reasons of Drop-outs: ① Econic ,② ,③
   10) Countermeasures for 9): ① Income Increase, ② Making guardians understand the necessity of education ,③
   11) Number of Teachers : 7 nos M-5 F-2
   12) Ancillary Facility: Well ((Yes) No, if yes, Depth of Well: 15 m
      with pump or not)
      Present Conditions; Good, Not so bad, (Bad)
      Toilet ((Yes) No, if yes, common or separate)
      Present Conditions; Good, Not so bad, (Bad)
      Electric Facility (Yes, (No)) ※ 220V line within the Site.
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
      Locker(–)
   14) Number of School Aged Children
      within School Attendance Area: 460 nos (Radius; 1 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window/door fitting?),
      No maintenance has been done since 1991.
      Method; Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)
      DPEO (LGED), Primary Education Committee by School Management Committee (SMC)

※ Present wooden school building was constructed by public donation.

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 7,000 nos
   2) Distance to Neighbouring Primary School : 1.0 km
   3) Distance to Neighbouring Cyclone shelter : 1.6 km
   4) Neighbouring Killa : Distance from the School: m
      Size(Top) : ~~m×~~ m, Height: m
      Non-existing ~~Progres~~ Ratio: %
   5) Topographic Conditions Nearby : Pond is near the S/c, but no objection for school attendance, etc
      (Obstruction for School Attendance or Evacuation at Cyclone Time)
   6) Normal Flood Level in Site 0.3m above the existing ground level.
   7) Neighbouring Warning System for Cyclone : Warning organization: BDRCS
      Measure of warning: Hand-mike
      Kind of signal: Flag ; Level 1~10.
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities; nos (Why so many died? 700 persons).
      (How to solve? by climbing up trees or roof.
      Surge Height: 3.0 m
      Houses Brokened: 60% nos
      Damage of Crops: 60% ha
      Damage of Livestock: Cow – nos. / Goat – nos. / Sheep – nos. } 90%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes: Executing Body). (No)
   2) Construction Body for Temporary School Building during the Construction of New school. : A Temporary school building is not necessary to be constructed.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PMED, SMC, Local people.
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : To be participated through donation.

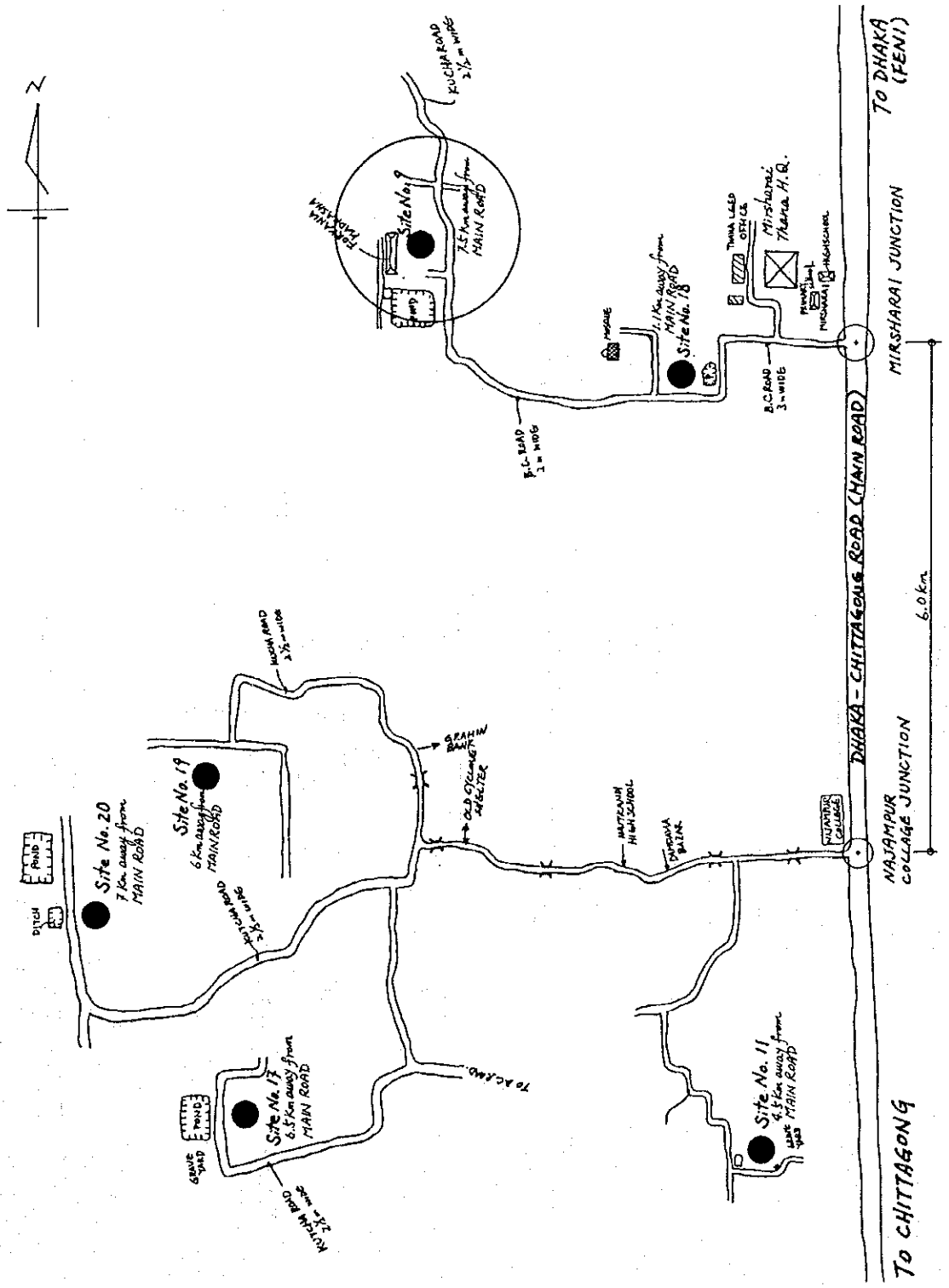
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor 3 nos.
   2) No. of Engineers None
   3) Past Experience and Construction Records – N.A.–

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment:) Not available
   2) Materials:)

11. Other Remarks

Location Map of the Site

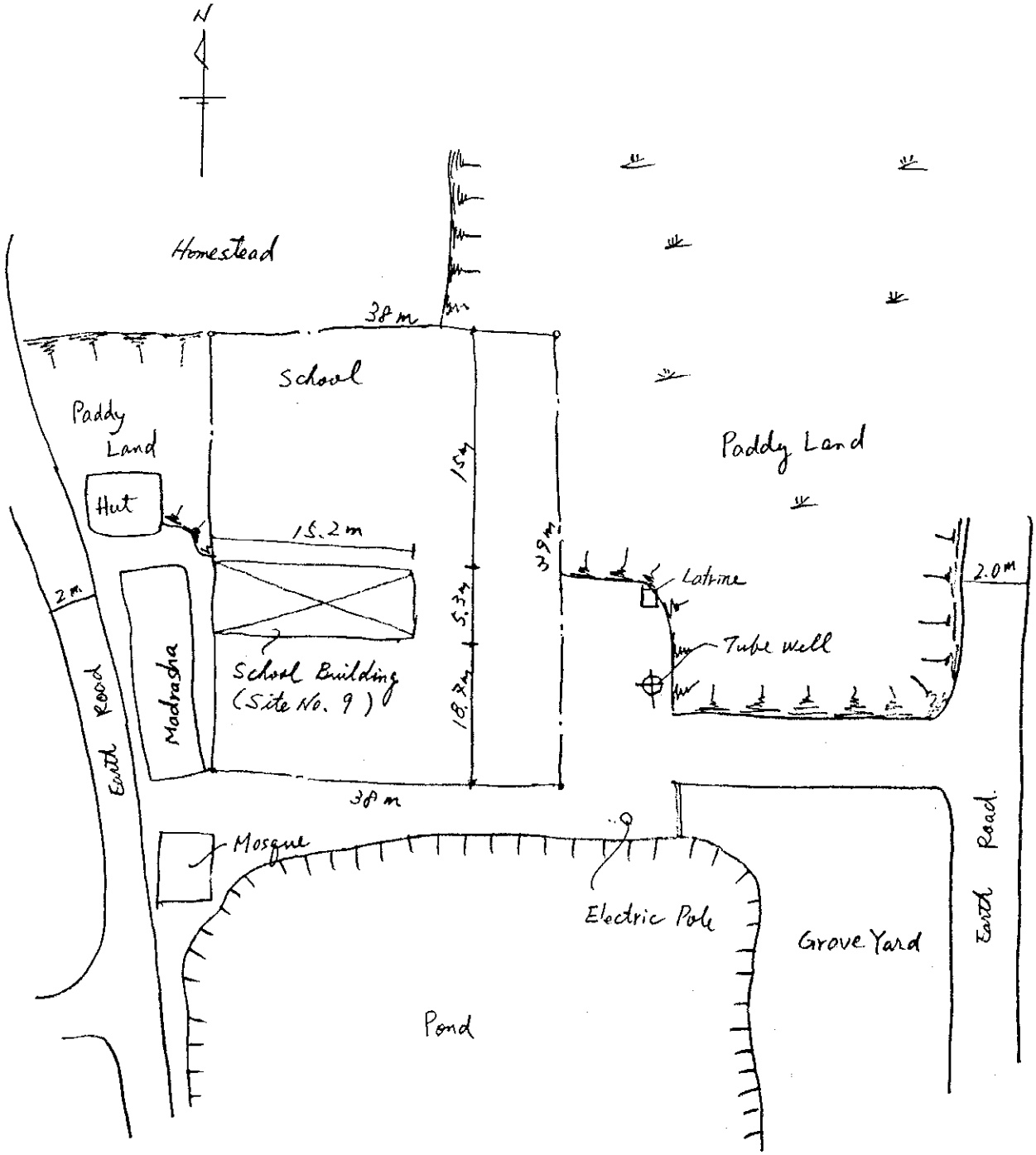
Site No.: 9



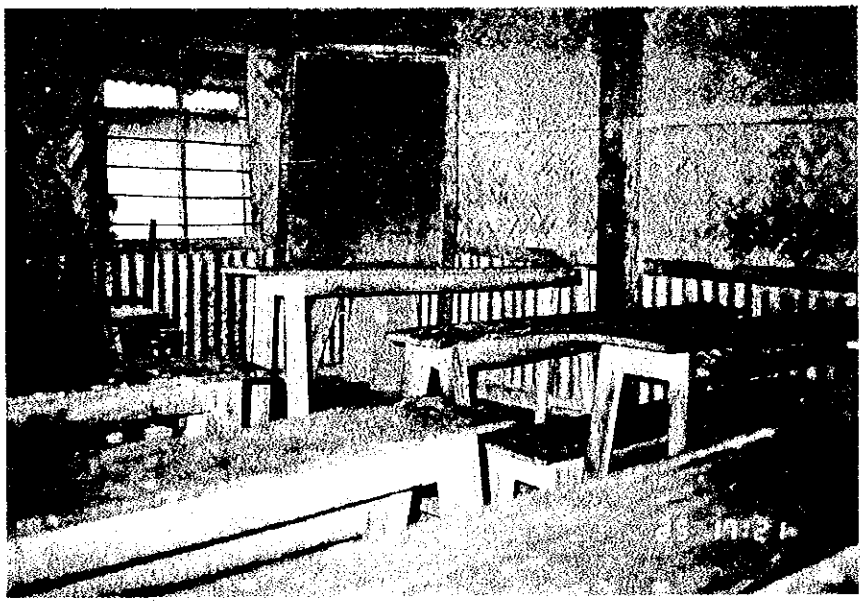
Sketch of the Site

Site No. : 9

Name of School : Tingharia Tola Abu Taher GPS



View of the School Building

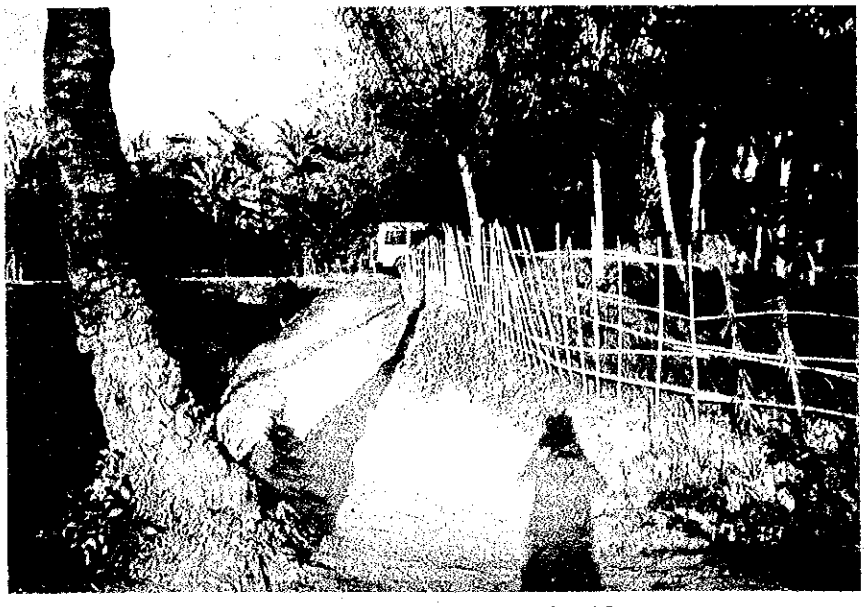


Current Conditions of A Classroom

Auxiliary Facilities of the School Building

Auxiliary Facilities of the School Building

Current Conditions near the Site (including topographic features)



Road Conditions near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3 /24)

1. Site No. //
2. Name of School: West Haitkandi GPS
3. Site Location : District: Chittagong Thana : Mirsharai
   Union : Haitkandi Village: West Haitkandi
4. Interviewee : Name : Mr. Md. Khurshid Alam Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road): Distance: 4.5 km
   2) Road Conditions
      - Kind of Pavement: (Earth), Gravel, Brick, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2.0 m — Road gets muddy in raining season
      - Passable Vehicle: Motor cycle, (Rikisha), Sedan, (Jeep), (Truck(2 ton)) only in dry season
      - Necessity for Repair of Road: (Yes) No,
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 997.5 m² (including Playground of 594 m²)
   3) School Building : 1 no(s) (Floor Area: 7.9 m × 23 m= 181.7 m²)
   4) Type of Building : RC, (Brick) Wooden
   5) Building conditions : Good, Not so good, (Bad) (30 years after built)
   6) Layout of Building : Class Room : 3 nos (8.5/5.8/4.5m × 5.6 m)
      Teacher's Room; 1 no(s) (2.0 m × 5.6 m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 236 nos (Single education, (Two shift education))
      (Class-1; 56 nos, Class-2; 52 nos, Class-3; 45 nos)
      (Class-4; 40 nos, Class-5; 43 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      0 % Class-4; nos, Class-5; nos,
   9) Reasons of Drop-outs: ① ,② ,③ ,
   10) Countermeasures for 9): ① ,② ,③ .
   11) Number of Teachers : 5 nos
   12) Ancillary Facility: (Well) ((Yes) No, if yes, Depth of Well; 225 m
       with pump or not)
       Present Conditions; Good, (Not so bad) Bad,
       Toilet ((Yes) No, if yes, common or separate)
       Present Conditions; Good, Not so bad, (Bad) out of use
       Electric Facility (Yes, (No)) ※ 2200 line within 20m.
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
       Locker(Wooden)
   14) Number of School Aged Children
       within School Attendance Area: 400 nos (Radius; 0.5 km)
   15) Maintenance of Building: Place; (Roof)(Leaking of rain?), Piller(Exfoliate of concrete?), (Wall)(Color painting?), Window(Window door fitting?),
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, (Thana) or school), Procedure for repair (Requesting, Patrol by engineer=when)
       PMED/LGED through Thana Education committee
       by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 7,500 nos
   2) Distance to Neighbouring Primary School : 1.5 km
   3) Distance to Neighbouring Cyclone shelter : 2.5 km
   4) Neighbouring Killa : Distance from the School: ~~m~~ none - existing
      Size(Top) : ~~m×~~ m, Height: m
      Progres Ratio: %
   5) Topographic Conditions Nearby : (Obstruction for School Attendance or Evacuation at Cyclone Time) No objection
   6) Normal Flood Level in Site 0.6 m above the existing ground level,
   7) Neighbouring Warning System for Cyclone : Warning organization: BDRCS
      Measure of warning: Hand-strike
      Kind of signal: none
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities:nos (Why so many died? 1,000 persons (How to solve? by climbing trees or roof)
      Surge Height: 2.6 m
      Houses Brokened: 100% ~~nos~~
      Damage of Crops: 100% ~~ha~~
      Damage of Livestock: Cow nos. / Goat nos. / Sheep nos. } 80%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body), (No.)
   2) Construction Body for Temporary School Building during the Construction of New school. : Temporary school building is not necessary to be constructed,
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PMED, SMC.
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Local people will try.

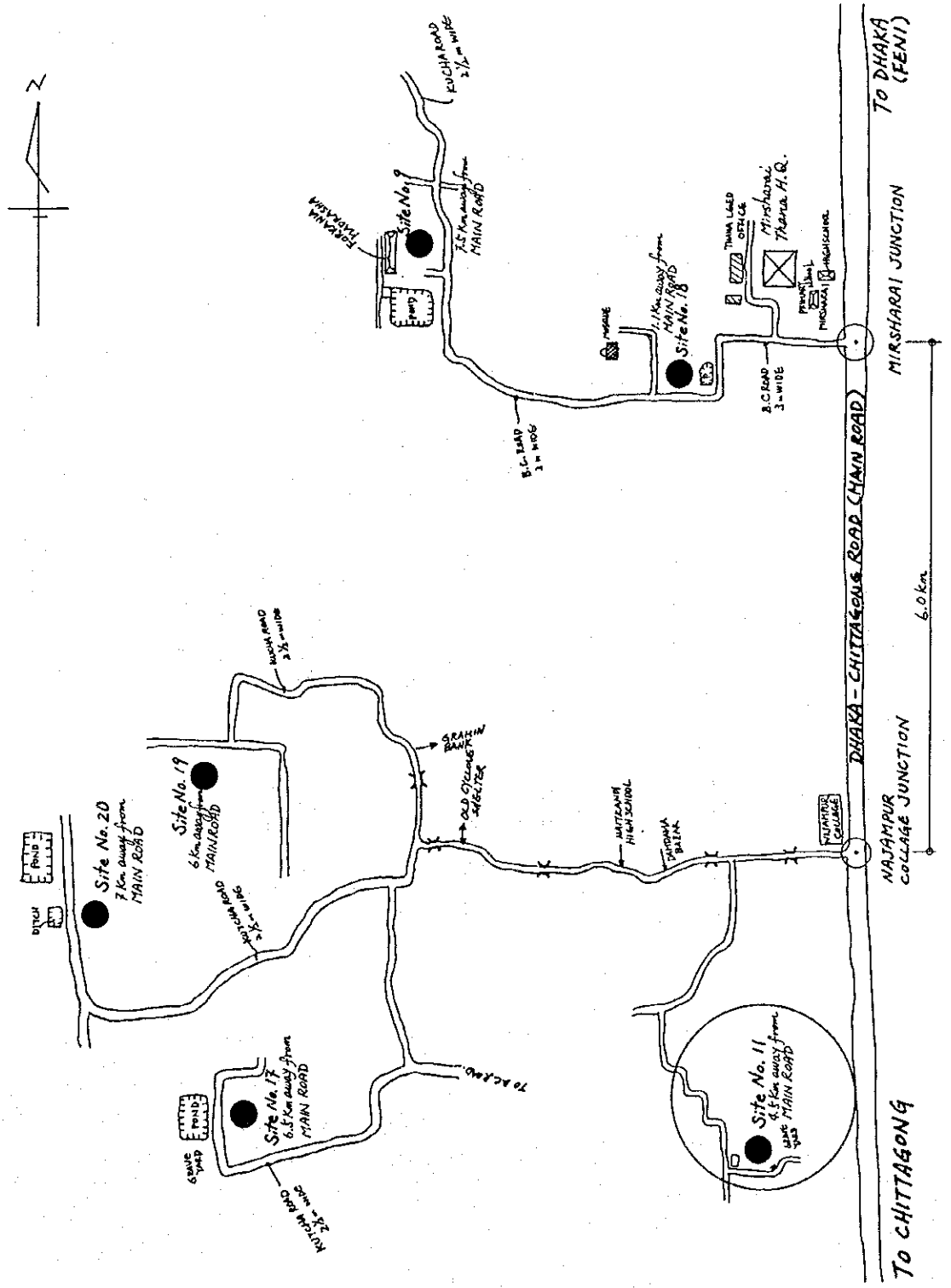
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor None
   2) No. of Engineers —
   3) Past Experience and Construction Records —

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment: } Not available.
   2) Materials: }

11. Other Remarks

Location Map of the Site

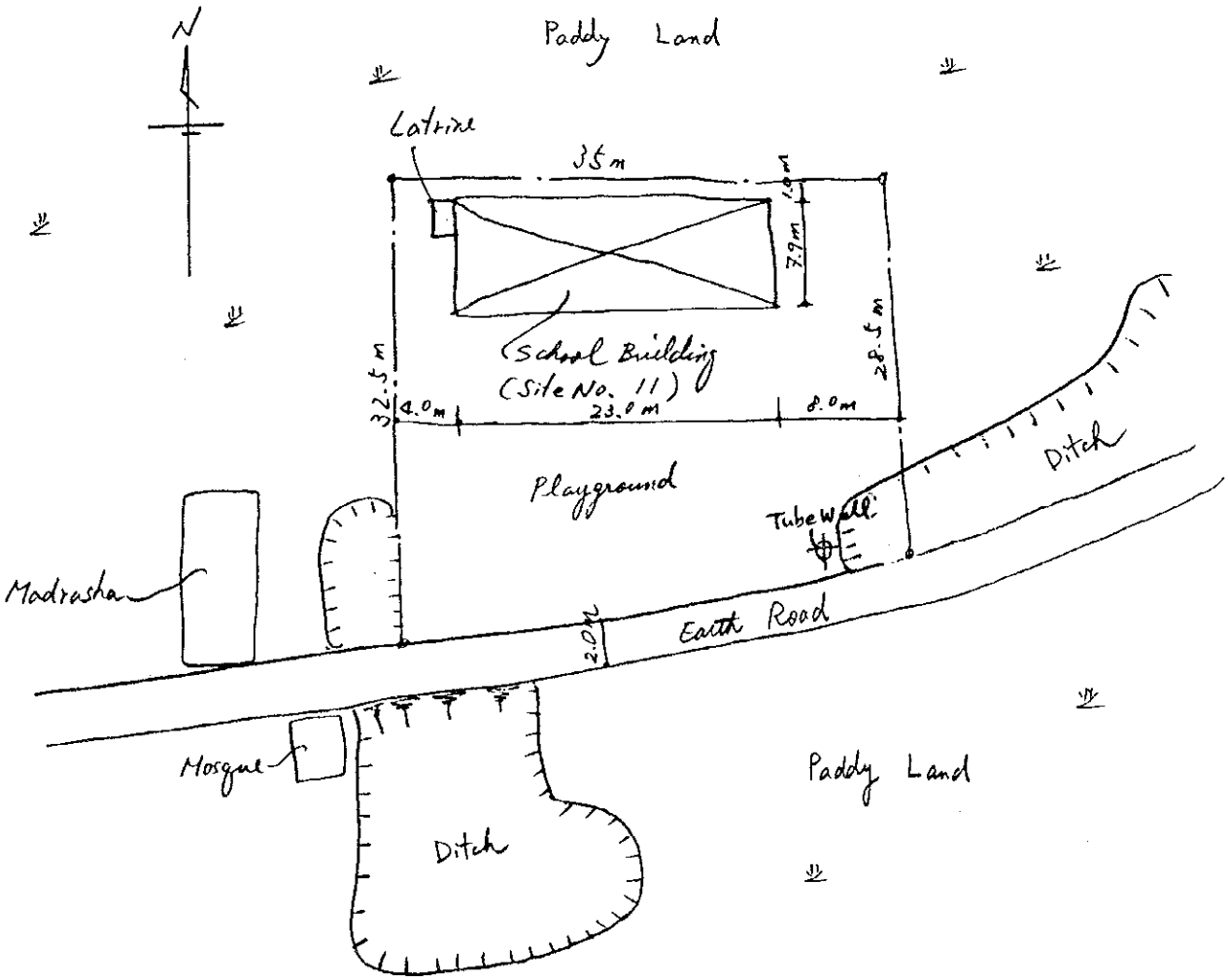
Site No.: 11

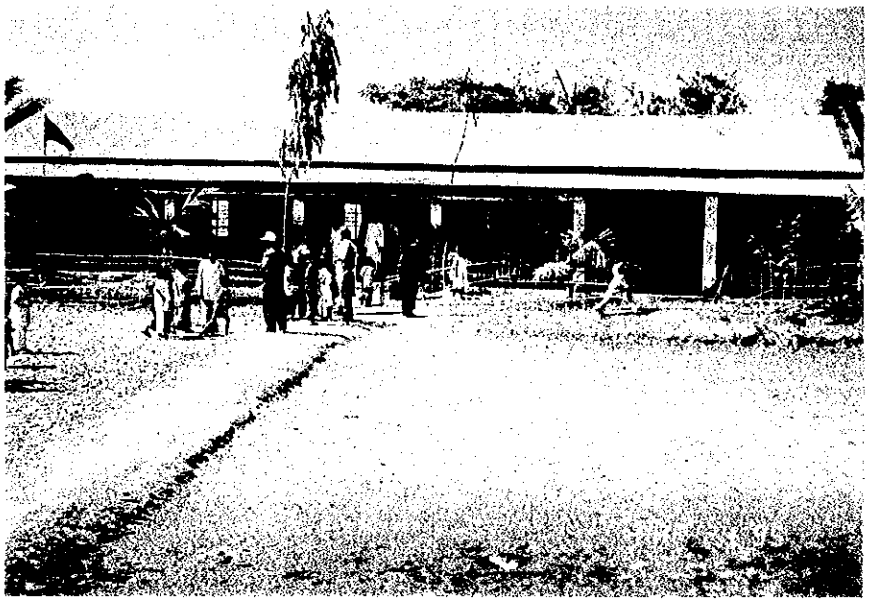


Sketch of the Site

Site No. : 11

Name of School : West Haitkandi GPS





Overall View of
the School Site

View of the School
Building

Current Conditions
of A Classroom

Auxiliary Facilities of the School Building

Auxiliary Facilities of the School Building

Road Conditions near the Site

SITE SURVEY CHECK LIST

(Date: 1995/3/25)

1. Site No. 12
2. Name of School: Alia Pathan GPS (East Isakhali Ali Khan)
3. Site Location : District; Chittagong Thana : Mirsharai
   Union : Isakhali Village: East Isakhali
4. Interviewee : Name : Mr. Md. Nurul Hoque Khan Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road): Distance: 8.50 km
   2) Road Conditions
      - Kind of Pavement: ~~Earth~~, Gravel, ~~Brick~~, ~~Asphalt~~, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2.5 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep) (Truck) (2.0 ton)
      - Necessity for Repair of Road: (Yes) No,
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School — Newly proposed site
   1) Name of Landowner : Government
   2) Area of School Site : 1,150 m² (including Playground of — m²)
   3) School Building : 1 no(s) (Floor Area; 15.5 m × 5.8 m= 89.9 m²)
   4) Type of Building : RC, Brick, ~~Wooden~~
   5) Building conditions : Good, Not so good, (Bad) (14 years after built)
   6) Layout of Building : Class Room : 1 nos (12.8 m × 5.8 m)
      Teacher's Room; 1 no(s) (2.7 m × 5.8 m)
      Other — ; — no(s) (— m × — m)
   7) Number of Pupils : 318 nos (Single education, (Two shift education))
      (Class-1; 88 nos, Class-2; 76 nos, Class-3; 64 nos)
      (Class-4; 55 nos, Class-5; 35 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      5% Class-4; nos, Class-5; nos,
   9) Reasons of Drop-outs: ① Economic Condition, ② Going to other GPS, ③
   10) Countermeasures for 9): ① Income Increase, ② , ③
   11) Number of Teachers : 3 nos
   12) Ancillary Facility: Well ((Yes) No, if yes, Depth of Well; 15 m
      with pump or not)
      Present Conditions; Good, Not so bad, (Bad)
      Toilet (Yes, (No) if yes, common or separate)
      Present Conditions; Good, Not so bad, Bad,
      Electric Facility (Yes, (No)) Power line is installed 1.8km away
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
      Locker(—)
   14) Number of School Aged Children
      within School Attendance Area: 1,000 nos (Radius; 1.0 km)
   15) Maintenance of Building: Place; (Roof) (Leaking of rain?), Piller (Exfoliate of concrete?), (Wall) (Color painting?), Repaired in 1992
      Window (Window door fitting?),
      Method; Name of organization, Organizational unit for maintenance (H.Q., District, (Thana) or school), Procedure for repair (Requesting, Patrol by engineer=when)
      PMED/LGED through Thana Education Committee
      by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 10,000 nos
   2) Distance to Neighbouring Primary School : 1.0 km
   3) Distance to Neighbouring Cyclone shelter : 3.0 km
   4) Neighbouring Killa : Distance from the School: m
      Size(Top) : m× m, Height: m
      Non-existing Progres Ratio: %
   5) Topographic Conditions Nearby : Plain Land
      (Obstruction for School Attendance or Evacuation at Cyclone Time) No objection
   6) Normal Flood Level in Site 0.3 m above the existing ground. Access road gets muddy in rainy season.
   7) Neighbouring Warning System for Cyclone : Warning organization: Local Radio
      Measure of warning: —
      Kind of signal: —
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities; nos (Why so many died? 100 persons)
      (How to solve? by climbing up trees or roof.
      Surge Height: 2.7 m
      Houses Brokened: 100% nos
      Damage of Crops: 100% ha
      Damage of Livestock: Cow — nos. } damaged. 25%
      Goat — nos. }
      Sheep — nos

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body). (No)
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PMED + Local People
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Local people will try to support the management and maintenance.

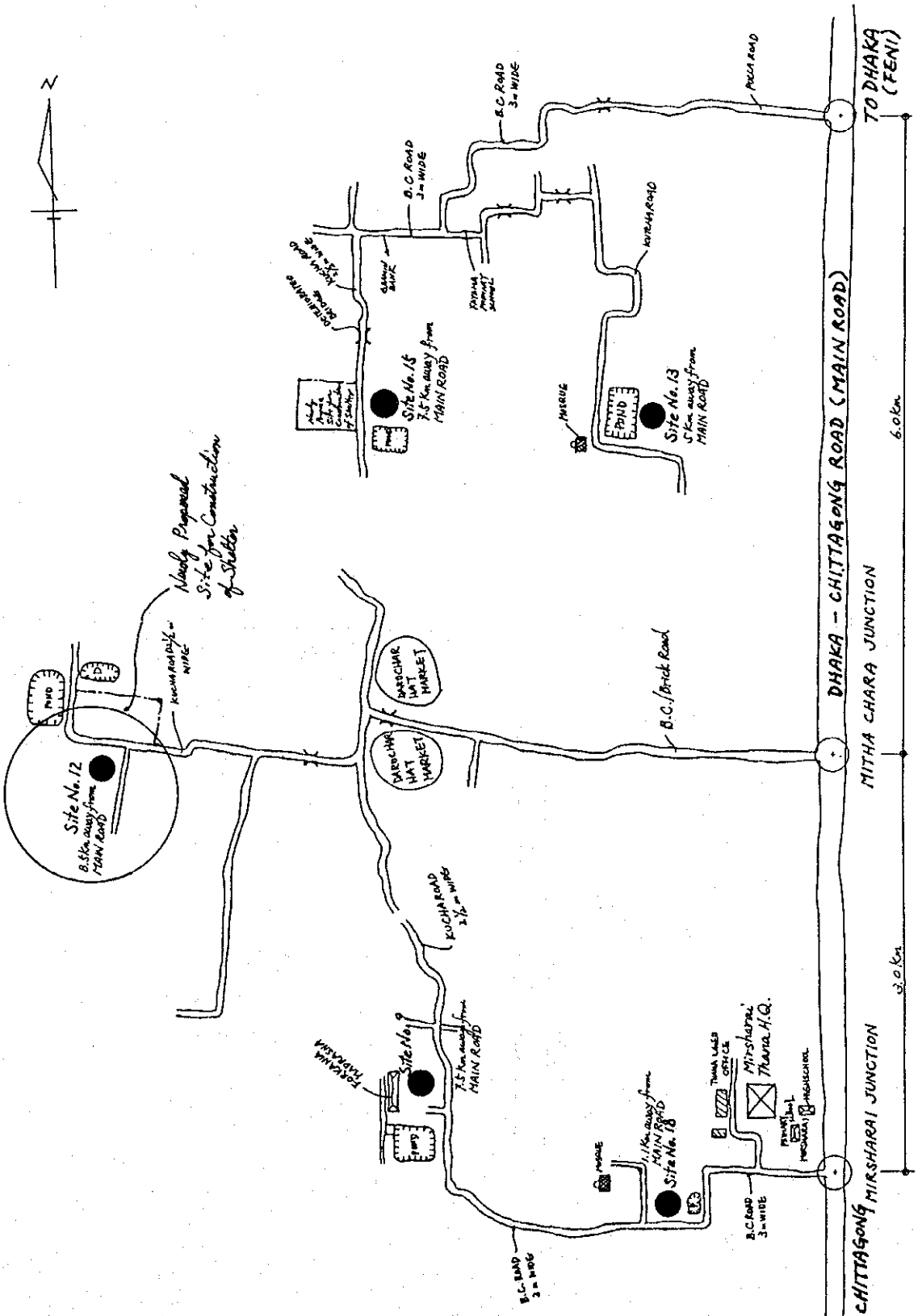
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor Few
   2) No. of Engineers —
   3) Past Experience and Construction Records Culvert construction, etc.

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment:) Not available.
   2) Materials:)

11. Other Remarks

Location Map of the Site

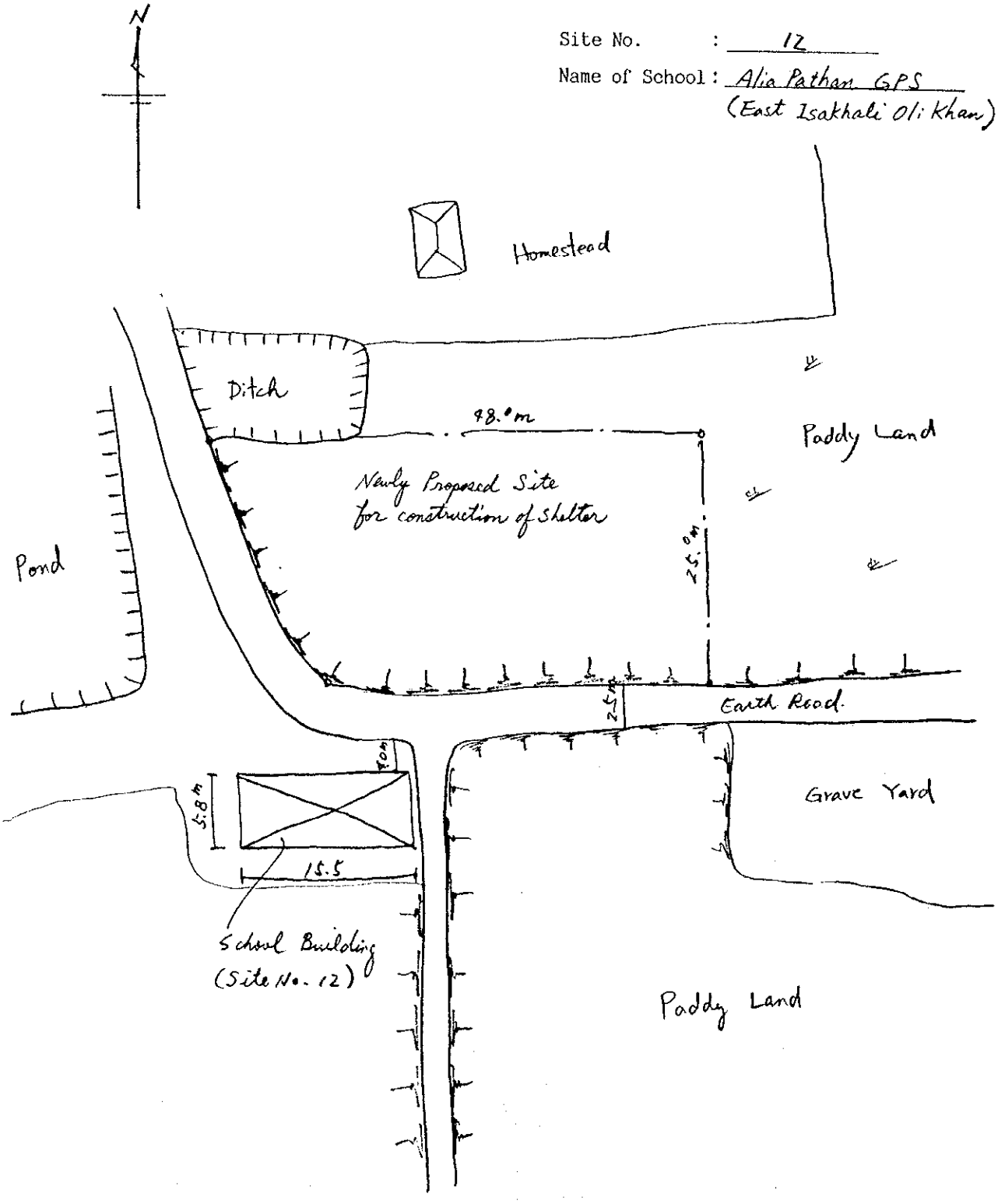
Site No.: 12



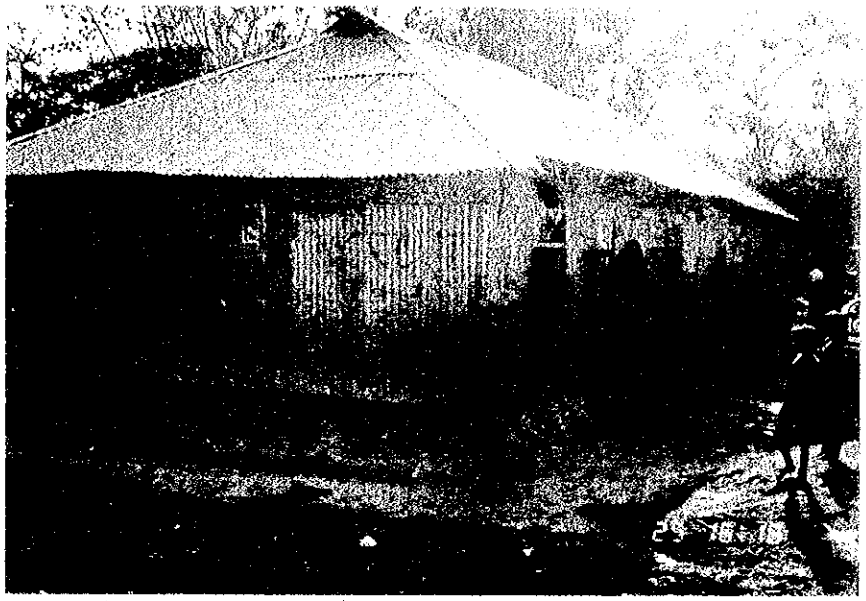
Sketch of the Site

Site No. : 12

Name of School : Alia Pathan GPS
(East Isakhali Oli Khan)



Overall View of
the School Site



Overall View of
the School Building

Current Conditions
of A Classroom

Auxiliary Facilities of the School Building

Newly Proposed Site for Construction of Cyclone Shelter-cum -Primary School

Road Conditions near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3 / 26)

1. Site No. 13
2. Name of School: East Tetoiya GPS
3. Site Location : District: Chittagong Thana : Mirsharai
   Union : Katachara Village: East Tetoiya
4. Interviewee : Name : Mr. Sulalit kumar Biswas Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road): Distance: 6.0 km
   2) Road Conditions
      - Kind of Pavement: (Earth), Gravel, Brick, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2.0 m Road gets muddy in raining season
      - Passable Vehicle: (Motor cycle), (Rikisha), Sedan, (Jeep), Truck (ton) only in dry season
      - Necessity for Repair of Road: ~~Yes~~, No,
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 2,259 m² (including Playground of 1,200 m²)
   3) School Building : 2 no(s) (Floor Area: 10.3 m × 3.25 m= 33.5 m²)
   4) Type of Building : RC, Brick, (Wooden)
   5) Building conditions : Good, Not so good, (Bad) (4 years after built)
   6) Layout of Building : Class Room : 2 nos (3.92 m × 3.25 m)
      Teacher's Room; 1 no(s) (2.93 3.3 m × 3.25 m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 231 nos (Single education, ~~Two shift education~~)
      (Class-1; 73 nos, Class-2; 46 nos, Class-3; 44 nos)
      (Class-4; 37 nos, Class-5; 31 nos)
   8) Number of Drop-outs : Class-1: nos, Class-2: nos, Class-3: nos
      20% Class-4: — nos; Class-5: nos,
   9) Reasons of Drop-outs: ①Economic ,② Accomodation Condition ③
   10) Countermeasures for 9): ①Income Increase ,② Food for Education ③
   11) Number of Teachers : 4 nos
   12) Ancillary Facility: Well ((Yes), No, if yes, Depth of Well; 15 m
      with pump or not)
      Present Conditions; Good, Not so bad, (Bad) Broken
      Toilet (Yes, (No), if yes, common or separate)
      Present Conditions; Good, Not so bad, Bad,
      Electric Facility (Yes, (No)) 220V line (5km away)
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
      Locker(—)
   14) Number of School Aged Children
      within School Attendance Area: 400 nos (Radius; 1.0 km)
   15) Maintenance of Building: Place; (Roof)(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?),
      Method: Name of organization, Organizational unit for maintenance (H.Q., District, (Thana) or school), Procedure for repair (Requesting, Patrol by engineer=when)
      PMED/LGED/Upazila Thana Education Committee.
      by School Management Committee(SMC).

Minor repair has been done by local people.

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 12,000 nos
   2) Distance to Neighbouring Primary School : 1.0 km
   3) Distance to Neighbouring Cyclone shelter : 3.5 km
   4) Neighbouring Killa : Distance from the School; m
      Size(Top) : m × m, Height; m
      Non-existing ~~Progres~~ Ratio; %
   5) Topographic Conditions Nearby : Pond is next to the site., but no objection for School Attendance, etc.
      (Obstruction for School Attendance or Evacuation at Cyclone Time)
   6) Normal Flood Level in Site 0.3 m above the existing ground level.
   7) Neighbouring Warning System for Cyclone : Warning organization; BDRCS, Radio
      Measure of warning; Hand-mike
      Kind of signal; Flag ; Level 1 - 10.
   8) Maximum Damage by Cyclone in the Past : Year of Hitting; 1963
      Casualities; nos (Why so many died? 400 peoples)
      (How to solve? To construct a cyclone shelter)
      Surge Height; 2.0 m
      Houses Brokened; 100% nos
      Damage of Crops; 100% ~~ha~~
      Damage of Livestock; Cow nos. / Goat nos. / ~~Sheep nos.~~ (65%)

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body). (No)
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PMED, SMC.
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Minor maintenance work will be done by local people.

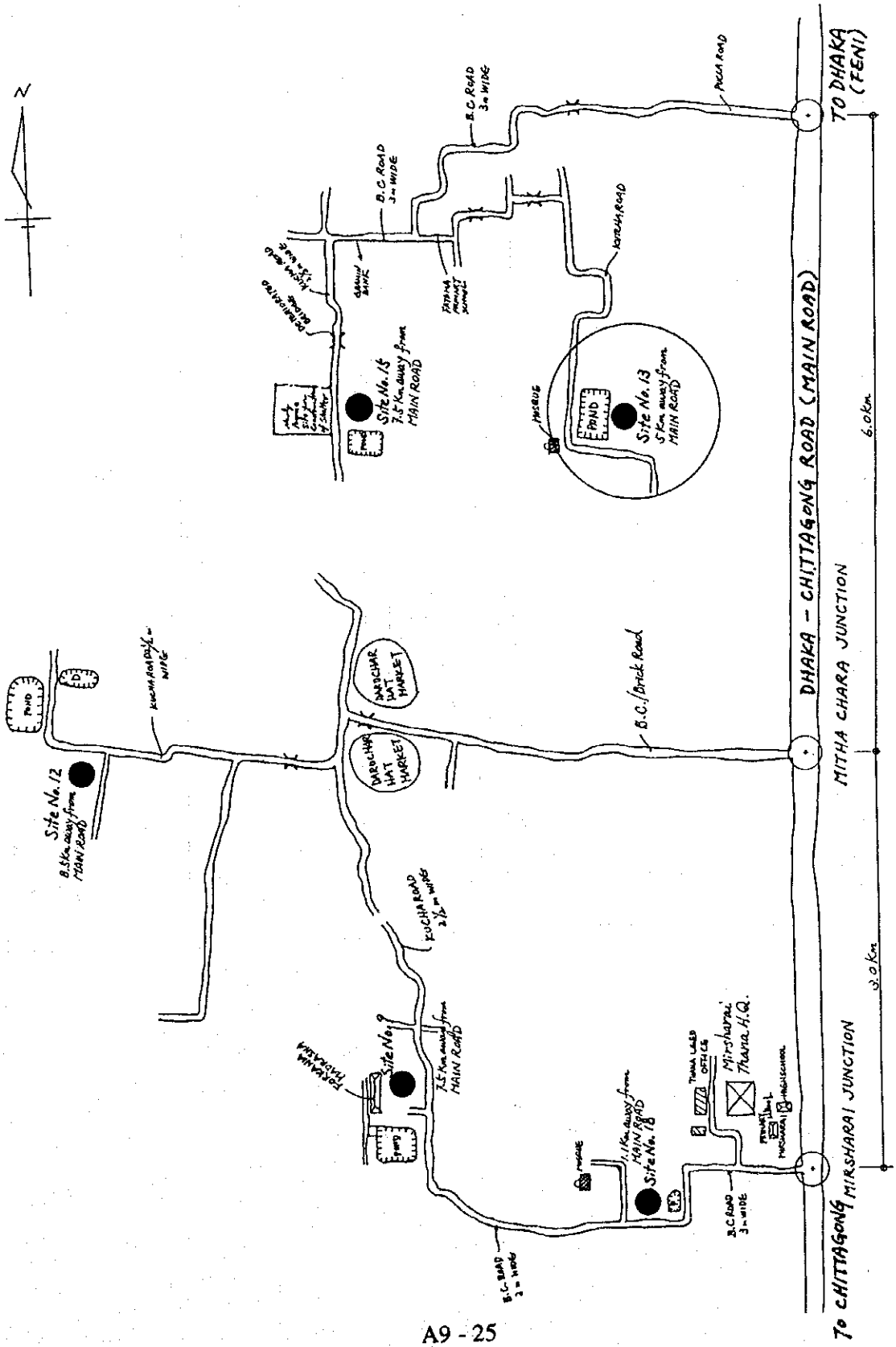
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ N/A of Sub-Contractor 3 Nos.
   2) No. of Engineers —
   3) Past Experience and Construction Records N.A.

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment:) Not available.
   2) Materials:)

11. Other Remarks

Location Map of the Site

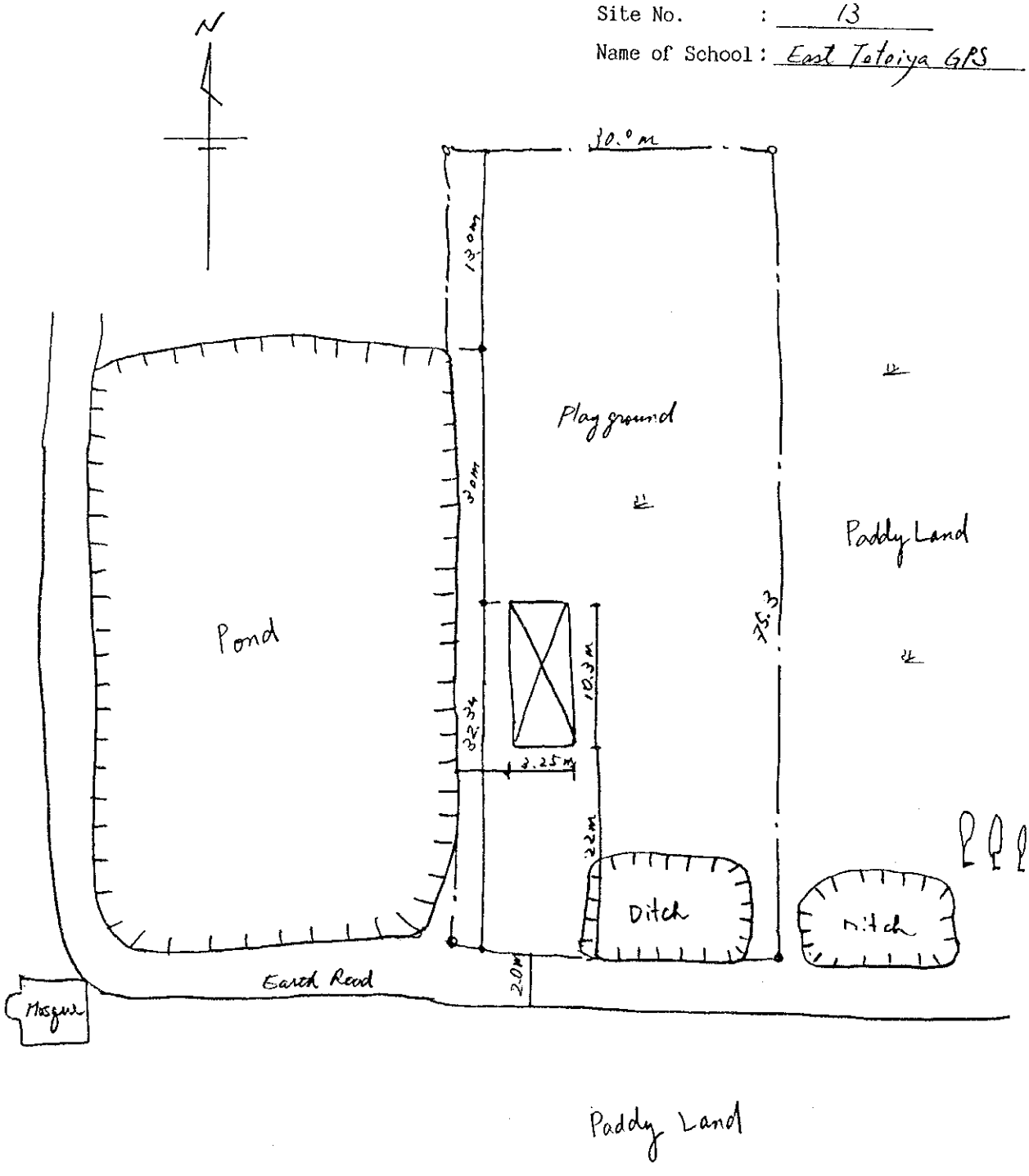
Site No.: 13



Sketch of the Site

Site No. : 13

Name of School : East Tofoiya GPS



Overall View of
the School Site

Overall View of
the School Building

Current Conditions
of A Classroom

Auxiliary Facilities
of the School Building

Road Conditions
near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3 /26)

1. Site No. 15
2. Name of School: Isakhali Kazigram GPS
3. Site Location : District; Chittagong Thana : Mirsharai
   Union : Katachara 7 Village; Kazigram
4. Interviewee : Name : Mr. Md. Hai Nizami Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, Main Road: Distance: 7.5 km
   2) Road Conditions
      - Kind of Pavement: Earth, Gravel, Brick, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, Bad,
      - Road Width : 2.5 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, Jeep, Truck(ton)
      - Necessity for Repair of Road: Yes, No
      - Necessity for Repair of Bridges or Culverts: Yes, No
6. Conditions of School — Newly propose site.
   1) Name of Landowner : Government
   2) Area of School Site : 782 m² (including Playground of - m²)
   3) School Building : 1 no(s) (Floor Area: 13.9 m × 4.4 m= 61.2 m²)
   4) Type of Building : RC, Brick, Wooden
   5) Building conditions : Good, Not so good, Bad (19 years after built)
   6) Layout of Building : Class Room : 2 nos (5.15 m × 6.50 m) ×2
      Teacher's Room: 1 no(s) (3.6 m × 4.9 m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 265 nos (Single education, Two shift education)
      (Class-1; 61 nos, Class-2; 56 nos, Class-3; 59 nos)
      (Class-4; 44 nos, Class-5; 45 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      Class-4; nos, Class-5; nos, 5%
   9) Reasons of Drop-outs: ① Economic ,② Going to other schools ,③
   10) Countermeasures for 9): ① Food for Education ② Monthly Meeting of SMC ,③
   11) Number of Teachers : 5 nos M-3 F-2
   12) Ancillary Facility: Well (Yes, No) if yes, Depth of Well; m
       with pump or not)
       Present Conditions; Good, Not so bad, Bad,
       Toilet (Yes, No) if yes, common or separate)
       Present Conditions; Good, Not so bad, Bad,
       Electric Facility (Yes, No) * 220V line (1.1km away)
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
       Locker(Wooden)
   14) Number of School Aged Children
       within School Attendance Area: 360 nos (Radius: 1.0 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?),
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)

Maintenance work has been done by local people only.

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 10,000 nos
   2) Distance to Neighbouring Primary School : 2.0 km
   3) Distance to Neighbouring Cyclone shelter : 0.3 km
   4) Neighbouring Killa : Distance from the School: m
      Non-existing Size(Top) : m× m, Height: m
      ~~Progres~~ Ratio: %
   5) Topographic Conditions Nearby : Canal (500m away west)
      (Obstruction for School Attendance or Evacuation at Cyclone Time) no bride to cross it.
   6) Normal Flood Level in Site 0.4 m above the existing ground level.
   7) Neighbouring Warning System for Cyclone : Warning organization: BDRCS.
      Measure of warning: Hand-mike
      Kind of signal: Flag; Level 1~10
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities; nos (Why so many died? 400 persons)
      (How to solve? To climbing up trees or roof.
      Surge Height: 2.0 m
      Houses Brokened: 80% ~~nos~~
      Damage of Crops: 100% ~~ha~~
      Damage of Livestock: Cow —nos. / Goat —nos. / Sheep —nos.) 85%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body). (No)
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PMED, SMC.
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Minor maintenance will be done by local people.

9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor 2~3 Nos.
   2) No. of Engineers —
   3) Past Experience and Construction Records Culvert, road etc.

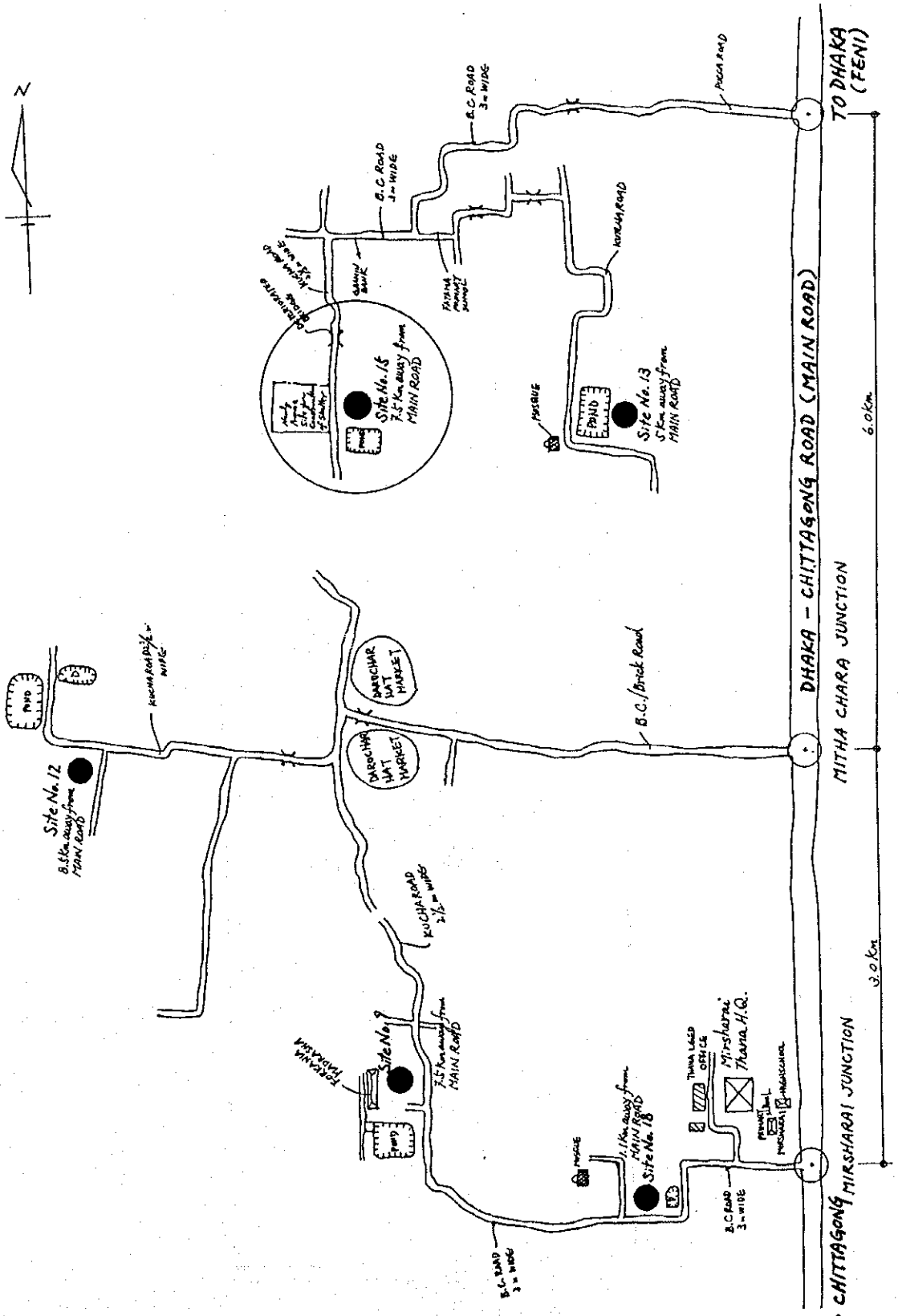
10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment:) Not available
   2) Materials:)

11. Other Remarks

Neighbouring shelter is located about 0.3km away from the Site No.15.

Location Map of the Site

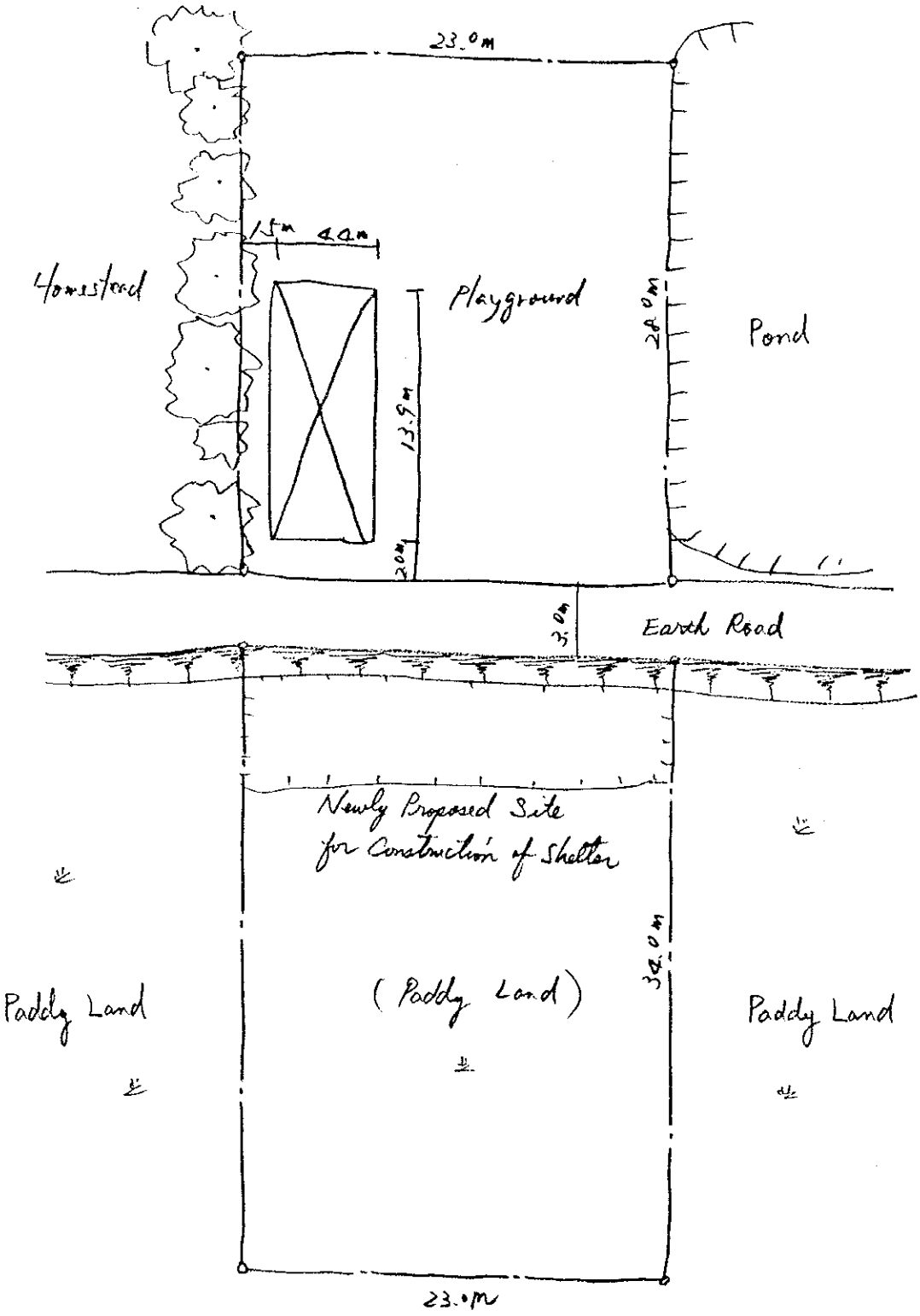
Site No.: 15



Sketch of the Site

Site No. : 15

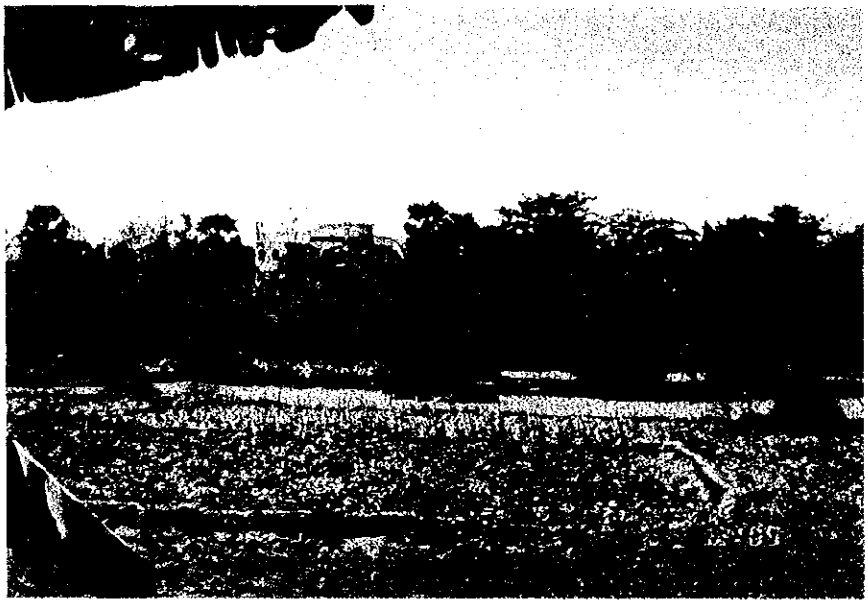
Name of School : Isakhali Kazigram GPS



Overall View of
the School Site

View of the School
Building

Current Conditions
of A Classroom



Existing Cyclone Shelter
located about 0.3km away
from the School Site

Road Conditions
near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 8 /24)

1. Site No. 17
2. Name of School: South Saherkhali GPS.
3. Site Location : District: Chittagong Thana : Mirsharai
   Union : Saherkhali 16 Village: Gozaria
4. Interviewee : Name : Mr. Ismail Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road) Distance: 6.5 km
   2) Road Conditions
      - Kind of Pavement: ~~Earth~~, Gravel, (Brick) Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad),
      - Road Width : 2.5 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), (Truck (2.0 ton)) only in dry season.
      - Necessity for Repair of Road: (Yes), No,
      - Necessity for Repair of Bridges or Culverts: Yes, (No),
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 1,695.9 m² (including Playground of 200 m²)
   3) School Building : 1 no(s) (Floor Area: 18 m × 6.50 m= 117.0 m²)
   4) Type of Building : (RC), Brick, Wooden 13.3 m × 2.0 m = 26.6 m² → 143.6 m²
   5) Building conditions : (Good), Not so good, Bad (7 years after built)
   6) Layout of Building : Class Room ; 3 nos (5.5 m × 6.50 m) × 3
      Teacher's Room; 1 no(s) (3.0 m × 6.50 m)
      Other ; — no(s) (— m × — m)
   7) Number of Pupils : 278 nos (Single education, (Two shift education))
      (Class-1; 90 nos, Class-2; 72 nos, Class-3; 40 nos)
      (Class-4; 44 nos, Class-5; 32 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      5% ~~Class-4;~~ nos, Class-5; nos,
   9) Reasons of Drop-outs: ① Economic ,② ,③ .
   10) Countermeasures for 9): ① Making guardians understand the necessity of education ② Food for Education ③
   11) Number of Teachers : 5 nos
   12) Ancillary Facility: Well ((Yes), No, if yes, Depth of Well; 75 m
       with pump or not)
       Present Conditions: (Good), Not so bad, Bad,
       Toilet ((Yes), No, if yes, common or separate)
       Present Conditions; (Good), Not so bad, Bad,
       Electric Facility (Yes, (No)) Near by 220V.
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
       Locker(steel.)
   14) Number of School Aged Children
       within School Attendance Area: 425 nos (Radius: 1.5 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?),
       No need to repair
       Method: Name of organization, Organizational unit for maintenance (H.Q./District/~~Thana~~ or school), Procedure for repair (Requesting, Patrol by engineer=when)
       PMED/LGED through Thana Education Committee by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 4,500 nos
   2) Distance to Neighbouring
      Primary School : 2.0 km
   3) Distance to Neighbouring
      Cyclone shelter : 6.0 km
   4) Neighbouring Killa : Distance from the School: m
      Non-Existing Size(Top) : m× m, Height: m
      Progres Ratio: %
   5) Topographic Conditions Nearby :
      (Obstruction for School Attendance or Evacuation at Cyclone Time) Canal 500m away south.
   6) Normal Flood Level in Site 0.5m above the existing ground level.
   7) Neighbouring Warning System for Cyclone : Warning organization: BDRCS
      Measure of warning: Hand-mike
      Kind of signal: None
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities; nos (Why so many died? 350 persons)
      (How to solve? no plan.)
      Surge Height: 3.5 m
      Houses Brokened: 100% ~~nos~~
      Damage of Crops: 100% ~~ha~~
      Damage of Livestock: Cow – nos. / Goat – nos. / Sheep – nos } 95%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body). (No.)
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PWD, SMC
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Minor repair work will be done by local people

9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor 2~3
   2) No. of Engineers 2/sub-contractor
   3) Past Experience and Construction Records Road, culvert construction small building

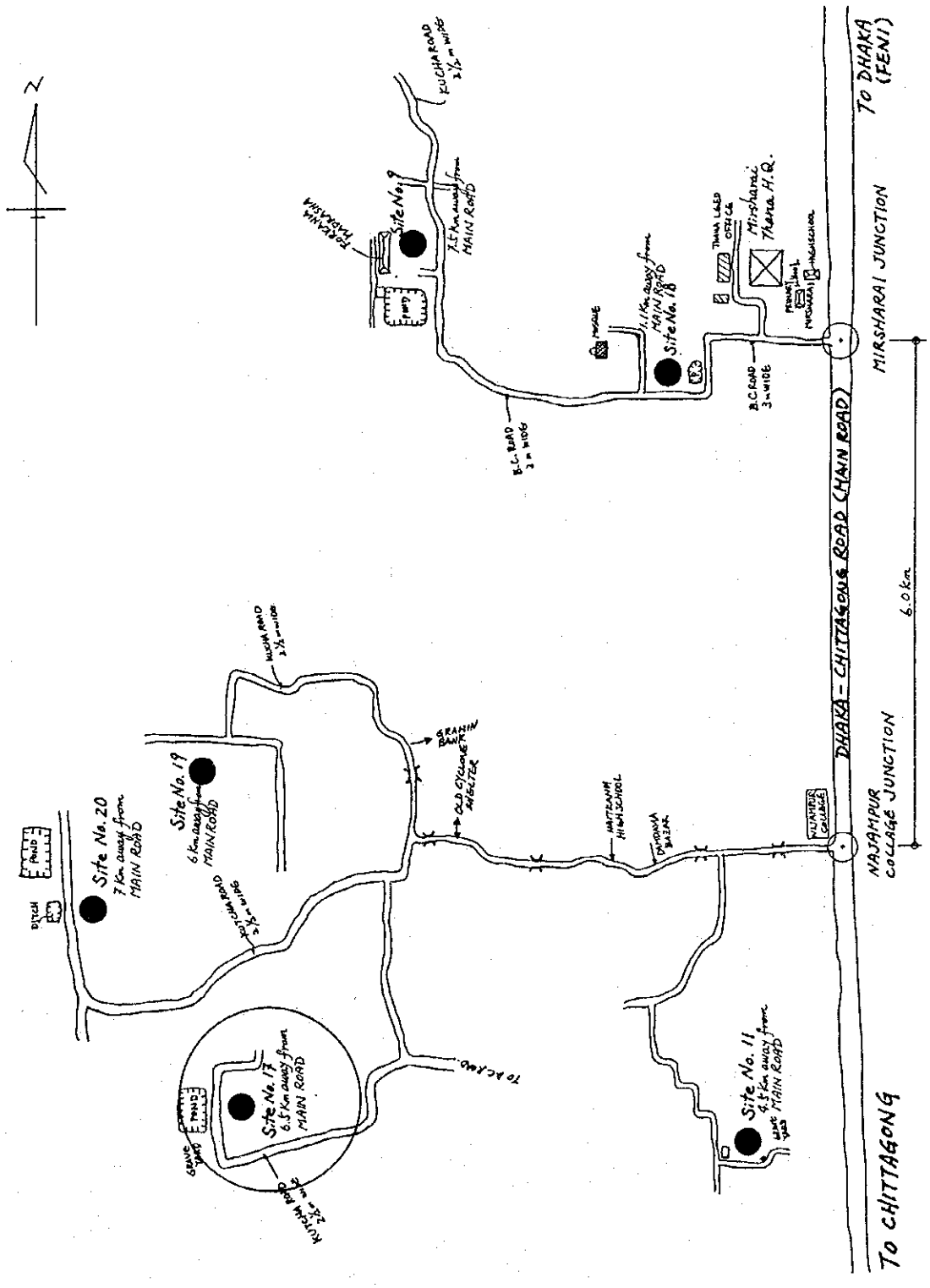
10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment: } Not available.
   2) Materials: }

11. Other Remarks

There is one abandoned existing school building at the site. It should be demolished for constructing a new shelter.

Location Map of the Site

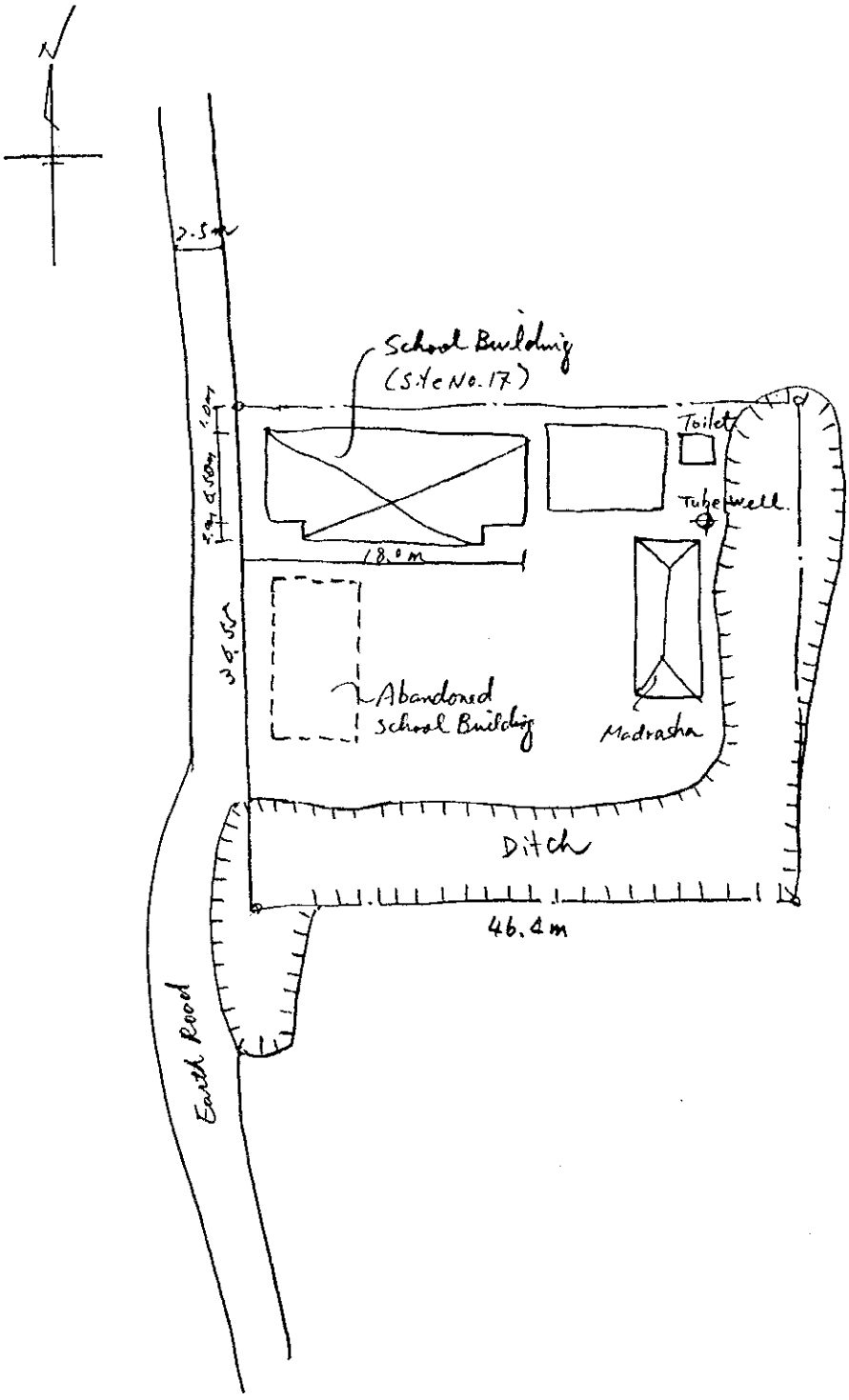
Site No.: 17

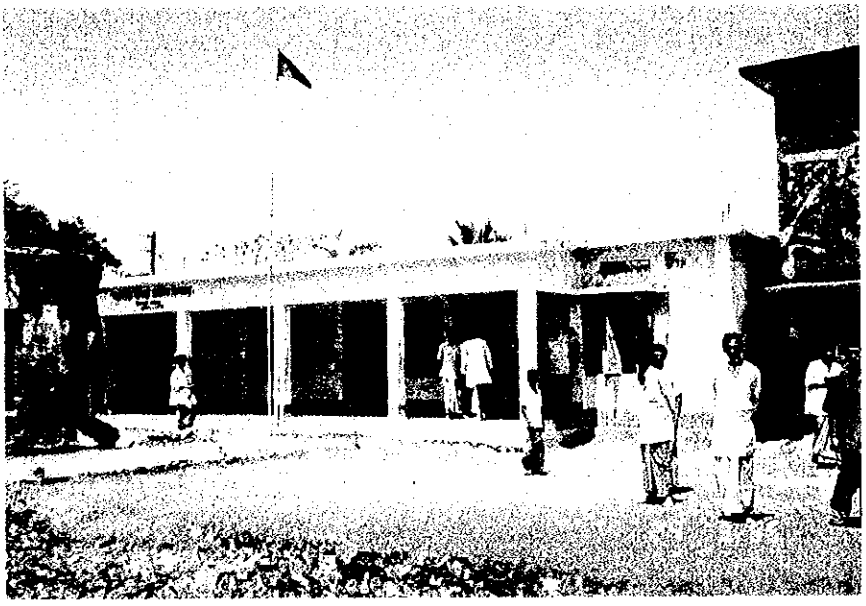


Sketch of the Site

Site No. : 17

Name of School : South Saberkhali GPS





View of the School Building

Abandoned Building to be demolished at the School Site

Current Conditions of A Classroom

Auxiliary Facilities of the School Building

Current Conditions near the Site (including topographic features)

Road Conditions near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3/22)

1. Site No. 18
2. Name of School: Kabir Memorial GPS.
3. Site Location : District: Chittagong Thana : Mirsharai
   Union : Mirsharai Village: Middle Magadia
4. Interviewee : Name : Mr. Nurul Afsar Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road) Distance: 1.1 km
   2) Road Conditions
      - Kind of Pavement: Earth, Gravel, Brick, (Asphalt), Concrete,
      - Condition of Pavement: (Good) Not so good, Bad,
      - Road Width : 3.0 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), (Truck) (7 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 : Government
   2) Area of School Site : 1956 m² (including Playground of 900 m²)
   3) School Building : 1 no(s) (Floor Area: 27 m × 8.3 m= 224.1 m²)
   4) Type of Building : (RC), Brick, Wooden
   5) Building conditions : (Good), Not so good, Bad (43 years after built)
   6) Layout of Building : Class Room : 5 nos (6 m × 23 m)
      Teacher's Room: 1 no(s) (6 m × 9 m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 579 nos (Single education, (Two shift education))
      (Class-1; 135 nos, Class-2; 120 nos, Class-3; 160 nos)
      (Class-4; 94 nos, Class-5; 70 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; ~~nos~~
      1.5% Class-4; ~~nos~~, Class-5; nos,
   9) Reasons of Drop-outs: ① Economic, ② Going to other schools, ③
   10) Countermeasures for 9): ① Food for Education, ② Making guardians understand, ③
   11) Number of Teachers : 7 nos
   12) Ancillary Facility: Well (~~Yes~~, No, if yes, Depth of Well; 20 m
       with pump or not)
       Present Conditions: (Good), Not so bad, Bad,
       Toilet ((Yes), No, if yes, (common) or separate)
       Present Conditions; (Good), Not so bad, Bad,
       Electric Facility (Yes, (No))
   13) Material of Fixtures: Desk(steel), Chair(steel)
       Locker(steel)
   14) Number of School Aged Children
       within School Attendance Area: 1,000 nos (Radius; 1.0 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?), done by local donation
       Minor repair work done by LGED, 1992
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)
       PMED/LGED through Thana Education Committee
       by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 25,000 nos
   2) Distance to Neighbouring
      Primary School : 1.0 km
   3) Distance to Neighbouring
      Cyclone shelter : 4.5 km
   4) Neighbouring Killa : Distance from the School: m
      Non-Existing Size(Top) : ~~m×~~ ~~m~~, Height: m
      ~~Progres~~ Ratio: %
   5) Topographic Conditions Nearby : pond is next to the site, but
      (Obstruction for School Attendance no objection for school attendance, etc,
      or Evacuation at Cyclone Time)
   6) Normal Flood Level in Site 0.6m above the existing ground level.
   7) Neighbouring Warning System : Warning organization: BDRCS
      for Cyclone Measure of warning: Hand-mike
      Kind of signal: Flag ; Level 1 & 10.
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities: nos (Why so many died? 1,000 persons)
      (How to solve? by climbing up trees or roofs
      Surge Height: 2.0 m
      Houses Brokened: 100% ~~nos~~
      Damage of Crops: 100% ~~ha~~
      Damage of Livestock: Cow – nos. / Goat – nos. / Sheep – nos. } 80%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body), (No)
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : PMED, SMC,
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : No need.

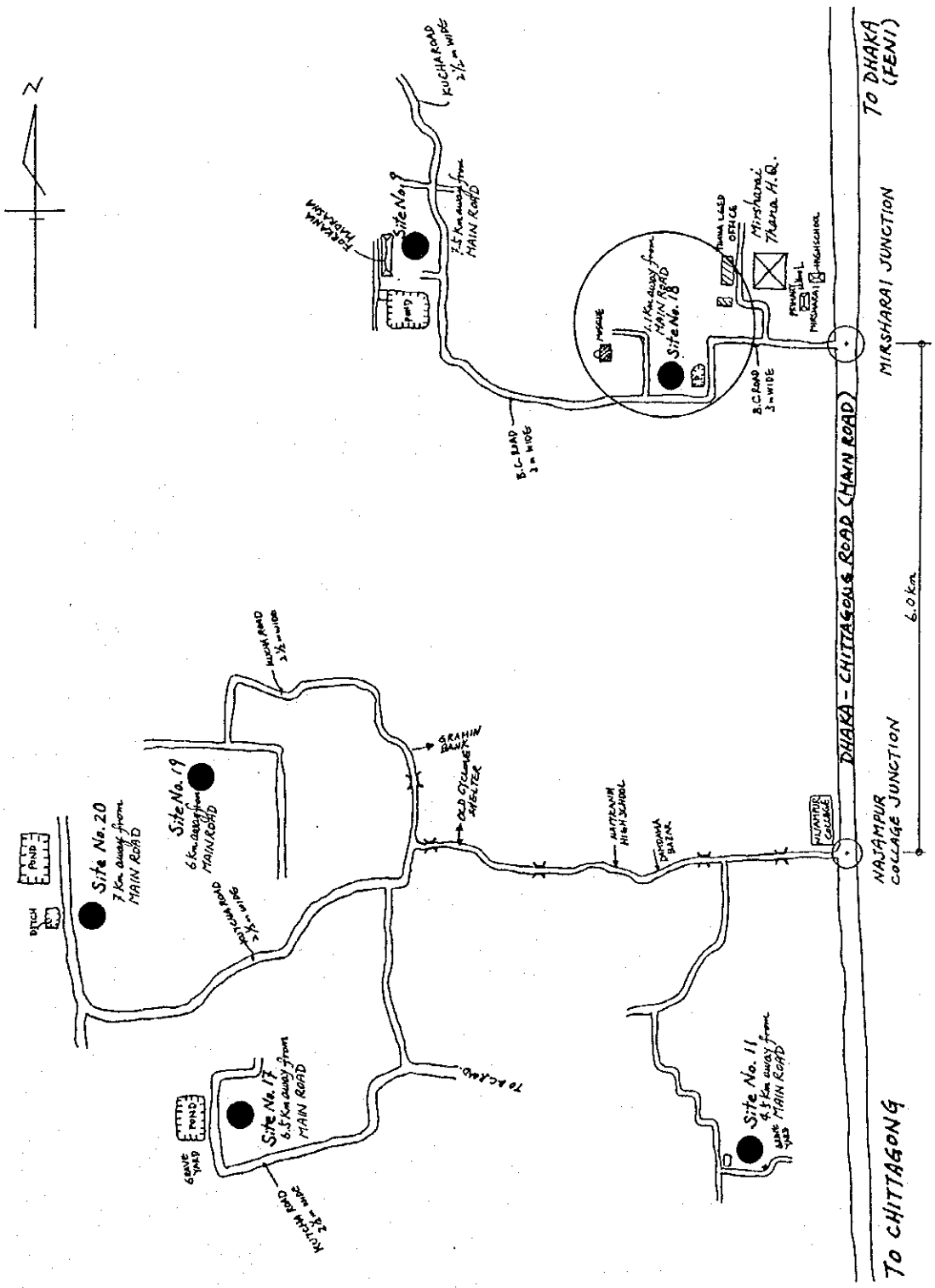
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor 30 nos.
   2) No. of Engineers 2~3 nos/sub-contractor
   3) Past Experience and Construction Records : Building / Bridge / Road construction

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment: Mixer / Vibrator / Truck
   2) Materials: Bricks / Local Sand.

11. Other Remarks

Location Map of the Site

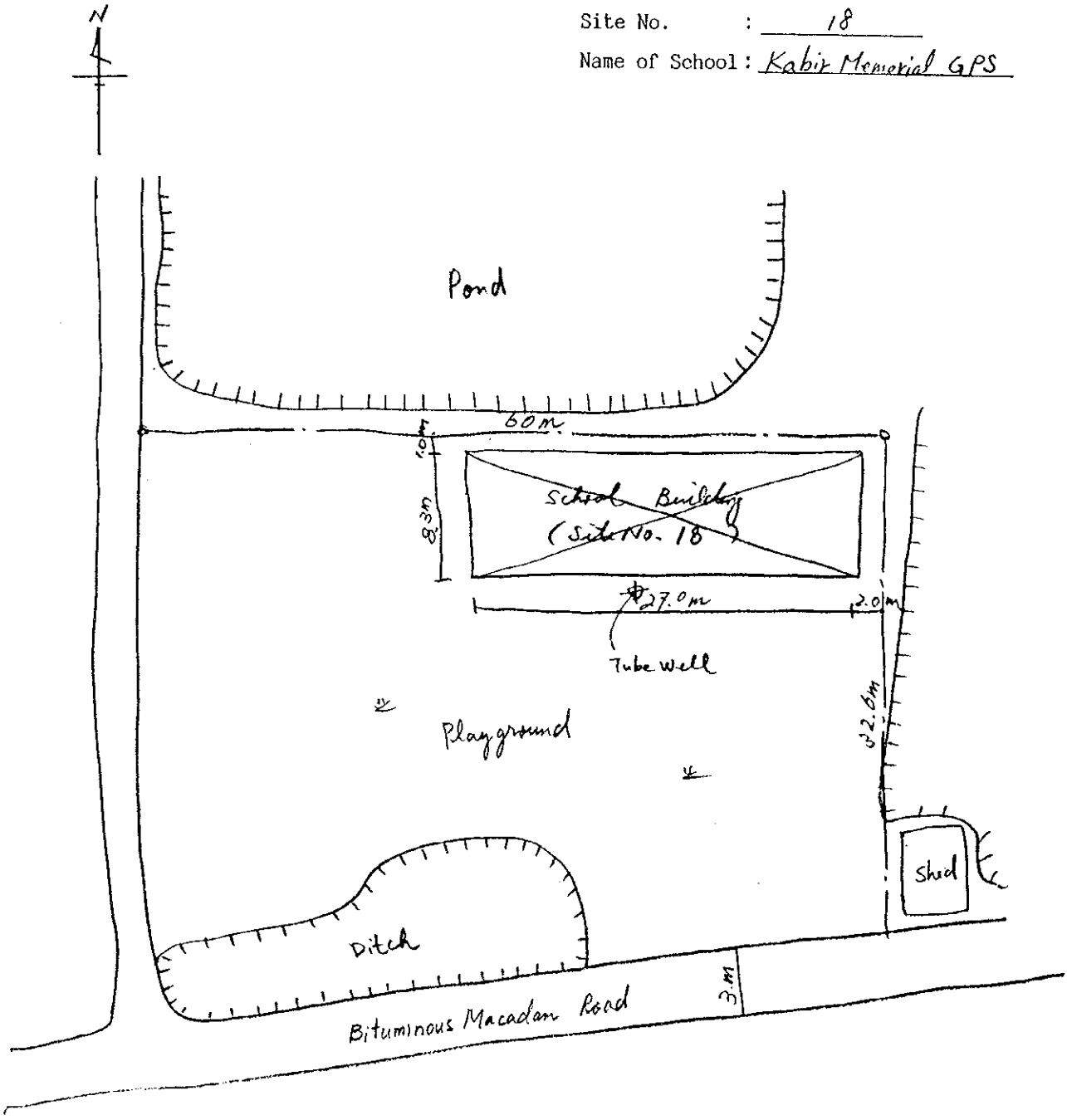
Site No.: 18

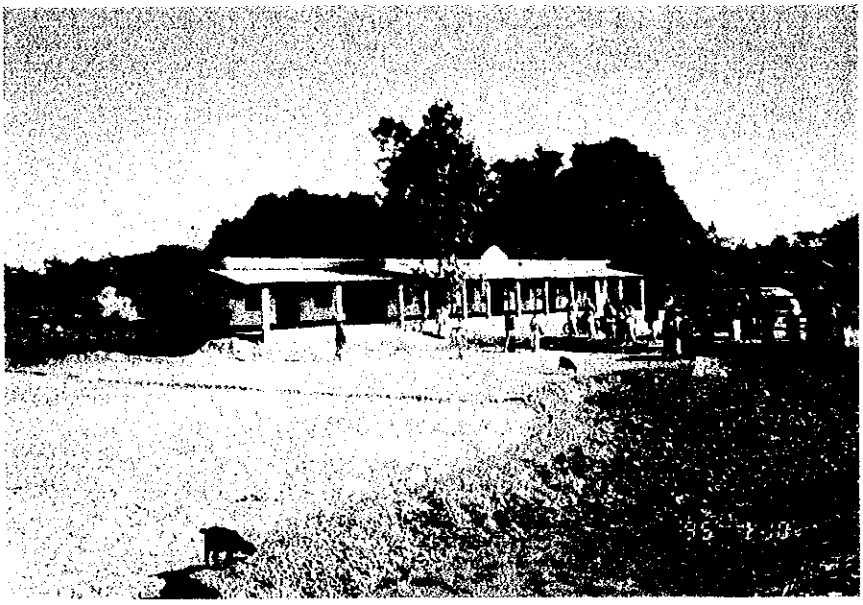


Sketch of the Site

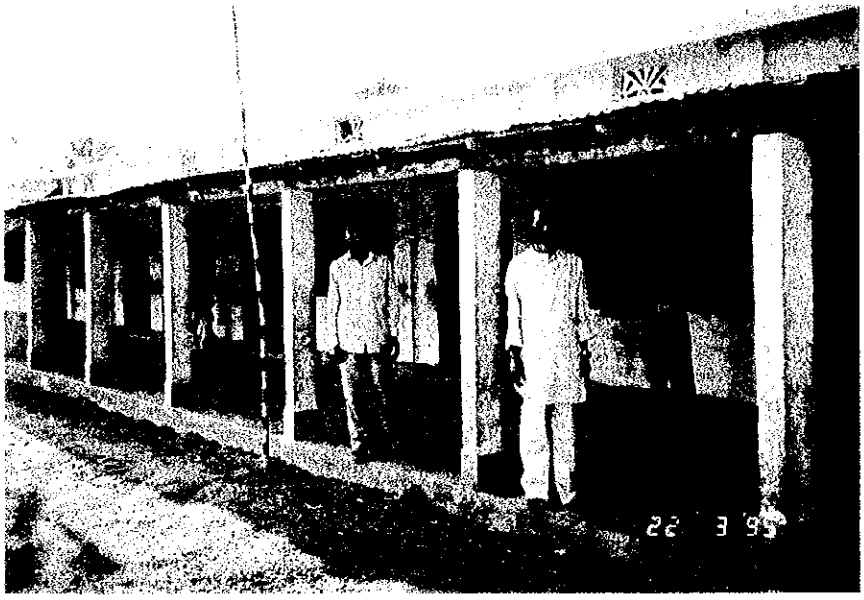
Site No. : 18

Name of School : Kabir Memorial GPS



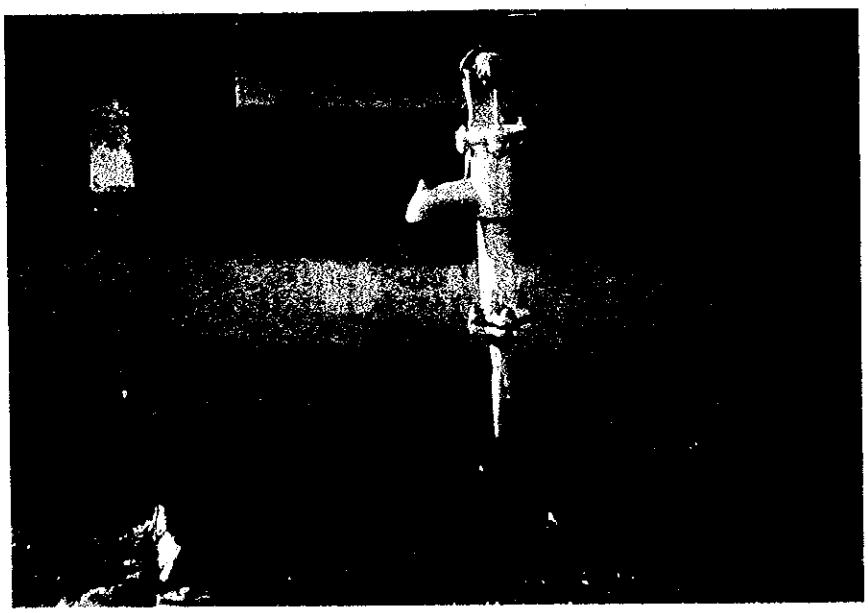


Overall View of the School Site



View of the School Building

Current Conditions of A Classroom



Auxiliary Facilities of the School Building

Current Conditions near the Site (including topographic features)

Road Conditions near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3/24)

1. Site No. 19
2. Name of School: West Saherkhali GPS
3. Site Location : District: Chittagong Thana : Mirsharai
   Union : Saherkhali Village: Saherkhali
4. Interviewee : Name : Mr. Shamsuddha Position: Asst. Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road) Distance: 6.0 km
   2) Road Conditions
      - Kind of Pavement: (Earth) Gravel, Brick, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2.5 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), ~~Truck~~ (2.0 ton) (only in dry season)
      - Necessity for Repair of Road: (Yes) No,
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 3,613.9 m² (including Playground of 602. m²)
   3) School Building : 1 no(s) (Floor Area: 18 m × 6.7 m = 120.6 m²
      13 m × 1.8 m = 23.4 m² 144.0 m²)
   4) Type of Building : RC, (Brick), Wooden
   5) Building conditions : Good, (Not so good), Bad (5 years after built)
   6) Layout of Building : Class Room : 3 nos (5.15 m × 6.7 m) ×3
      Teacher's Room: 1 no(s) (2.5 m × 6.7 m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 364nos (Single education, (Two shift education))
      (Class-1: 64 nos, Class-2: 75 nos, Class-3: 70nos)
      (Class-4: 65 nos, Class-5: 72 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, ~~Class-3; nos~~
      ~~Class-4; nos, Class-5;~~ nos, 8%
   9) Reasons of Drop-outs: ① Economic ,② ,③
   10) Countermeasures for 9): ①Meeting with guardians ,② ,③
   11) Number of Teachers : 6 nos
   12) Ancillary Facility: Well ((Yes) No, if yes, Depth of Well; m
       with pump or not)
       Present Conditions: Good, Not so bad, (Bad)
       Toilet ((Yes) No, if yes, common or (separate))
       Present Conditions; (Good), Not so bad, Bad,
       Electric Facility (Yes, No,) 220V line, within 100m
   13) Material of Fixtures: Desk(Steel), Chair(Steel)
       Locker(Steel)
   14) Number of School Aged Children
       within School Attendance Area: 525 nos (Radius; 1.5 km)
   15) Maintenance of Building: Place; (Roof)(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?),
       Roof damaged in 1991 was repair by local people
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, (Thana) or school), Procedure for repair (Requesting, Patrol by engineer=when)
       PMEO/LGED through Thana Education Committee, by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 9,000 nos
   2) Distance to Neighbouring
      Primary School : 1.0 km
   3) Distance to Neighbouring
      Cyclone shelter : 2.0 km
   4) Neighbouring Killa : Distance from the School: m
      Size(Top) : m× m, Height: m
      Non - Existing Progres Ratio: %
   5) Topographic Conditions Nearby :
      (Obstruction for School Attendance or Evacuation at Cyclone Time) No objection
   6) Normal Flood Level in Site 0.5 m above the existing ground level.
   7) Neighbouring Warning System : Warning organization: BDRCS
      for Cyclone Measure of warning: Hand-Mike
      Kind of signal: Flag; Level 1~10.
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities:nos(Why so many died? 2,500 persons)
      (How to solve? by climbing up trees or roof.
      Surge Height: 2.2 m
      Houses Brokened: 100% ~~nos~~
      Damage of Livestock: Cow ~~nos.~~ / Goat ~~nos.~~ / Sheep ~~nos.~~ } 95%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes;Executing Body). No
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities(Shelter-cum-school) : PMED + SMC (Local People)
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Participation in repairing facilities.

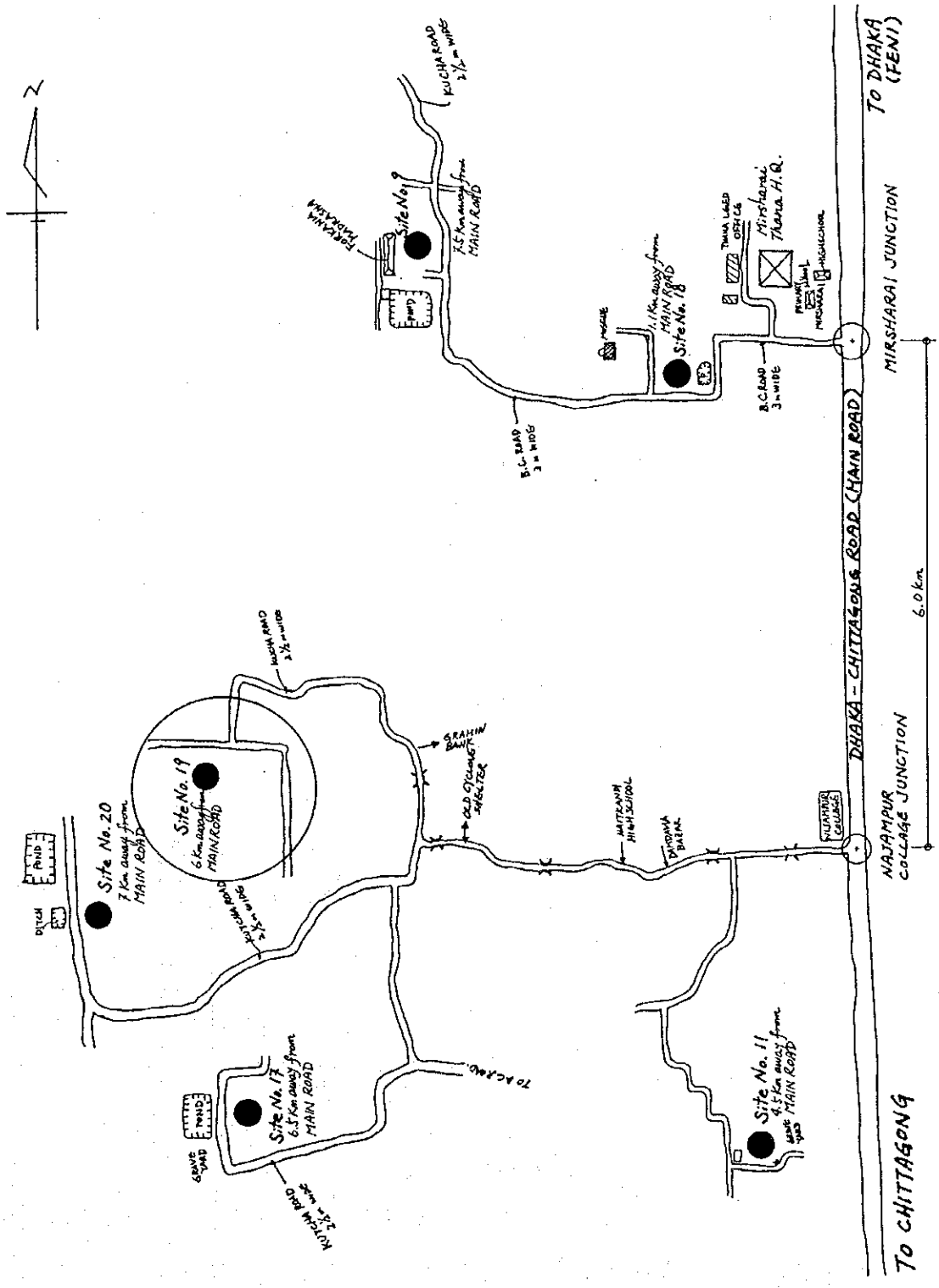
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor 5
   2) No. of Engineers 2~3 / subcontractor
   3) Past Experience and Construction Records Culvert, Small Bridge

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment;) None (to be procured from Mirsharai)
   2) Materials;

11. Other Remarks

Location Map of the Site

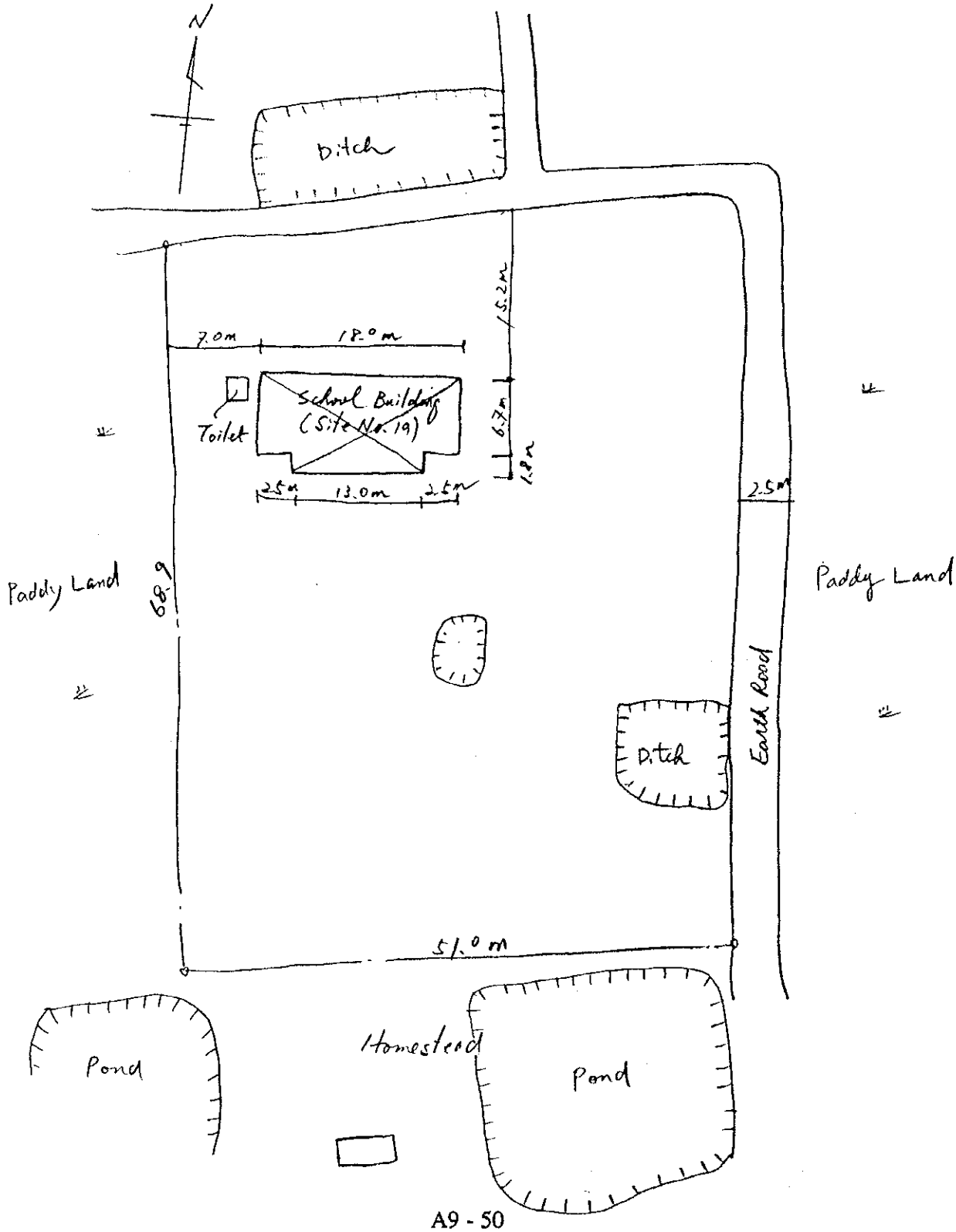
Site No.: 19



Sketch of the Site

Site No. : 19

Name of School : West Saherkhali GPS

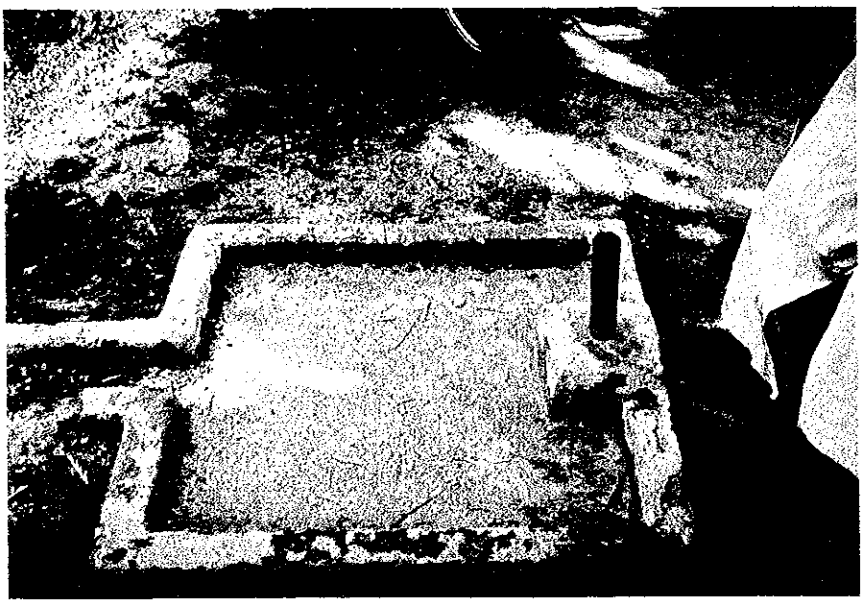


Overall View of
the School Site

Overall View of
the School Building

Current Conditions
of A Classroom

Auxiliary Facilities of the School Building



Auxiliary facilities of the School Building

Current Conditions near the Site (including topographic features)

SITE SURVEY CHECK LIST

(Date: 1995/ 3 /24)

1. Site No. 20
2. Name of School: Saherkhali Jamalsofi GPS
3. Site Location : District; Chittagong Thana : Mirsharai
   Union : Saherkhali Village: Saherkhali
4. Interviewee : Name : Mr. Md. Abdul Hai Position: Headmaster
5. Accessibility
   1) Nearest Station, Port, (Main Road): Distance: 7.0 km
   2) Road Conditions
      - Kind of Pavement: (Earth), Gravel, Brick, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2.5 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), ~~Truck~~ (2 ton)
      - Necessity for Repair of Road: (Yes) No, (only dry season)
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 1,768.3 m² (including Playground of 1172 m²)
   3) School Building : 1 no(s) (Floor Area: 12.14 m × 5.1 m= 61.9 m²)
   4) Type of Building : RC, (Brick), Wooden
   5) Building conditions : Good, Not so good, (Bad) (13 years after built)
   6) Layout of Building : Class Room : 1 nos (8.14 m × 5.1 m)
      Teacher's Room; 1 no(s) (4. m × 5.1 m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 175 nos (Single education, (Two shift education))
      (Class-1; 60 nos, Class-2; 50 nos, Class-3; 30 nos)
      (Class-4; 19 nos, Class-5; 16 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, ~~Class-3; nos~~
      6% ~~Class-4; nos~~, Class-5; nos,
   9) Reasons of Drop-outs: ① Economic ,② ,③ ,
   10) Countermeasures for 9): ① Talking to guardians ② Food for education ③
   11) Number of Teachers : 4 nos
   12) Ancillary Facility: Well ((Yes), No, if yes, Depth of Well; 10 m
      with pump or not)
      Present Conditions; Good, Not so bad, (Bad), Broken
      Toilet (Yes, (No), if yes, common or separate)
      Present Conditions; Good, Not so bad, Bad,
      Electric Facility (Yes, (No)) Power line is installed 2km away
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
      Locker(Wooden)
   14) Number of School Aged Children
      within School Attendance Area: 525 nos (Radius; 1.0 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?), by local people
      Method: Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)
      PMED/CSED through Thana Education Committee
      by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 4,000 nos
   2) Distance to Neighbouring
      Primary School : 2.0 km
   3) Distance to Neighbouring
      Cyclone shelter : 5.0 km
   4) Neighbouring Killa : Distance from the School: m
      Size(Top) : m× m, Height: m
      Non - Existing ~~Progres~~ Ratio: %
   5) Topographic Conditions Nearby :
      (Obstruction for School Attendance or Evacuation at Cyclone Time) No objection
   6) Normal Flood Level in Site 0.3 m above the existing ground level.
   7) Neighbouring Warning System for Cyclone : Warning organization; BDRCS
      Measure of warning; Hand-speaker
      Kind of signal; none
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1963
      Casualities;nos(Why so many died? 1,200persons)
      (How to solve? —)
      Surge Height: 3.0 m
      Houses Brokened; 100% ~~nos~~
      Damage of Livestock; Cow ~~nos.~~ Goat ~~nos.~~ Sheep ~~nos.~~ } 90%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes;Executing Body), (No)
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities(Shelter-cum-school) : PMED, SMC
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : Local people will try to support the repair of facilities.

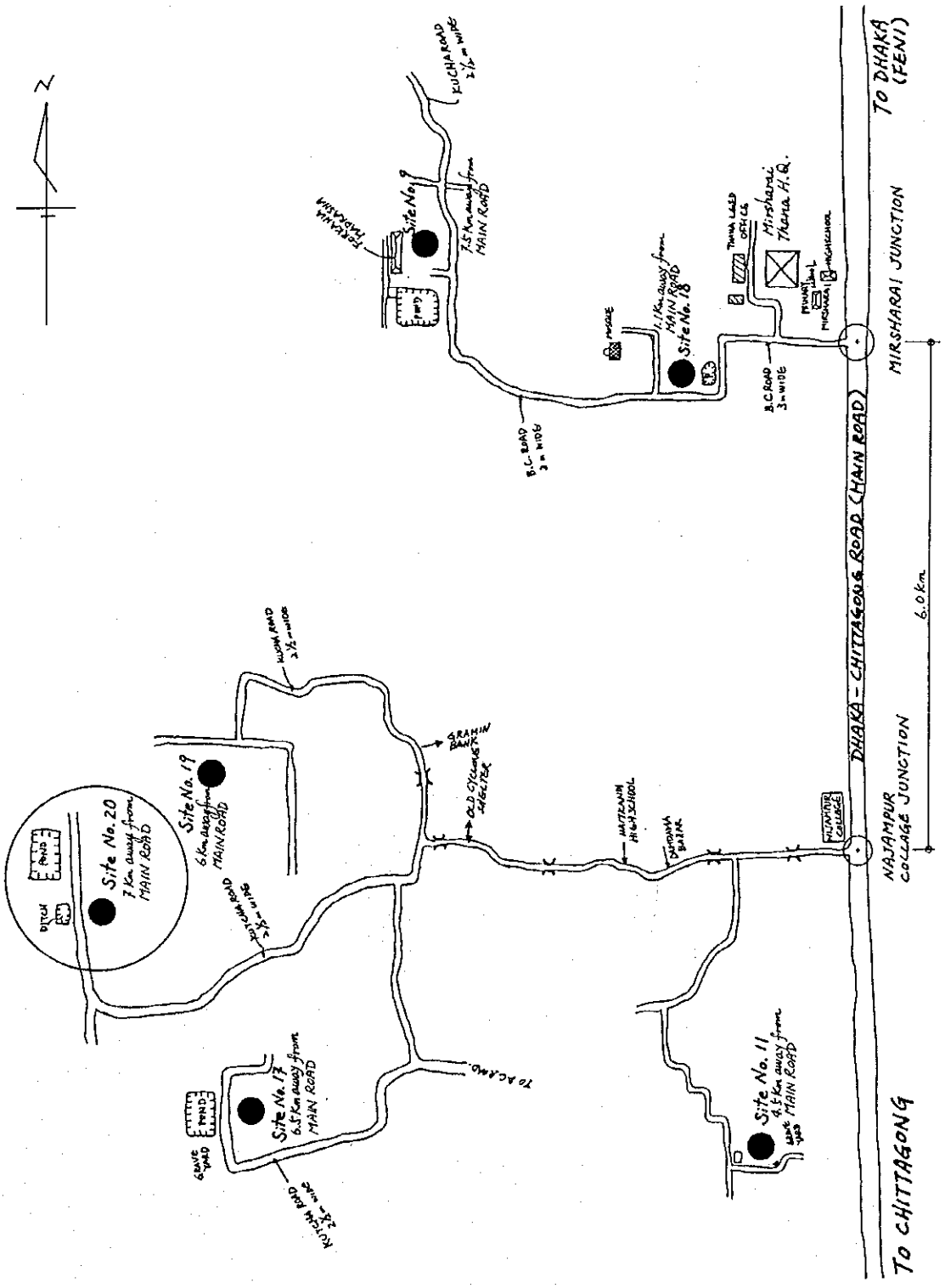
9. Capability of Sub-Contractor near the Site
   1) Name of Sub-Contractor No. 4~5
   2) No. of Engineers none
   3) Past Experience and Construction Records

10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment: } Not available
   2) Materials: }

11. Other Remarks

Location Map of the Site

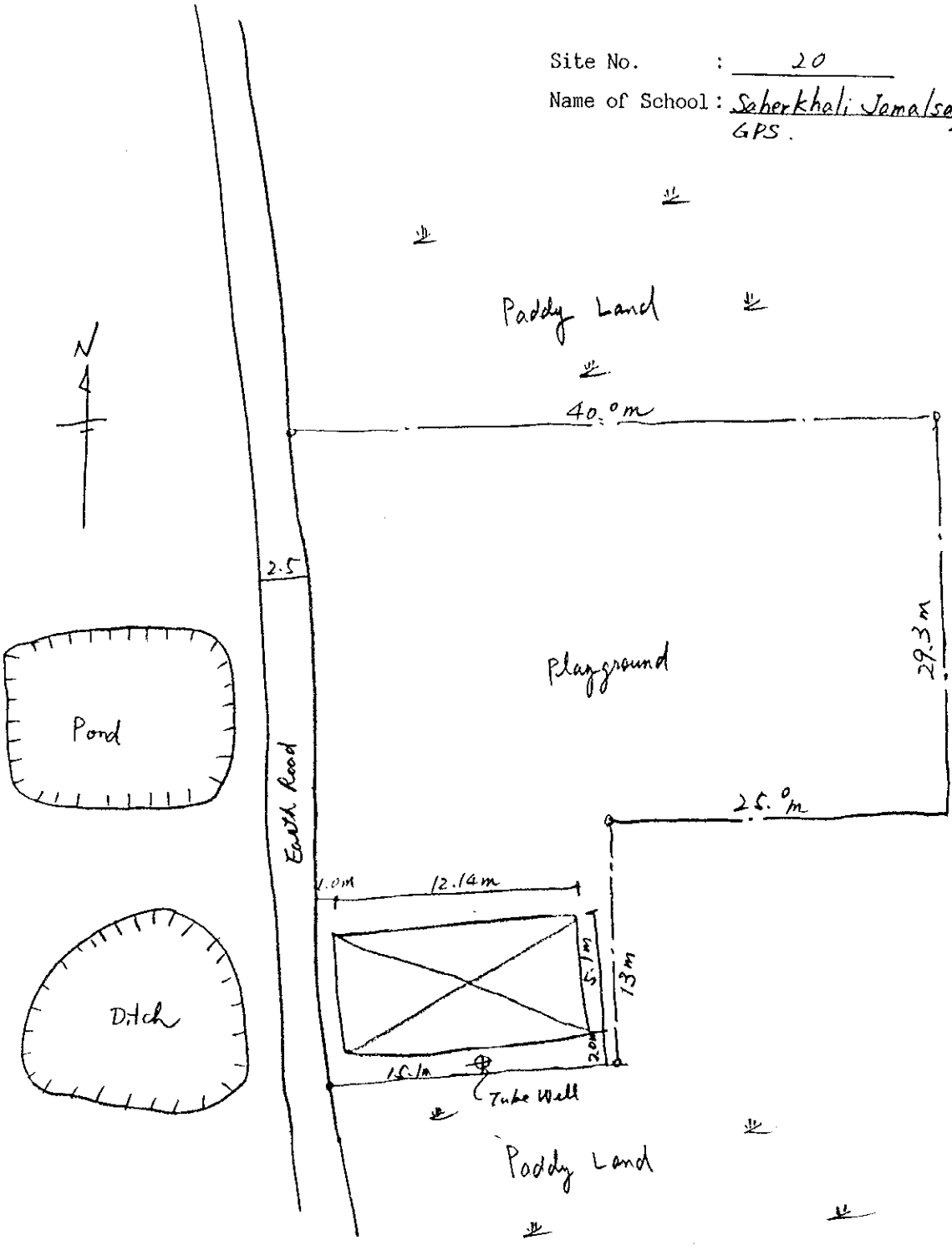
Site No.: 20



Sketch of the Site

Site No. : 20

Name of School : Saherkhali Jamalsafi GPS.



Overall View of
the School Site

Current Conditions
of A Classroom

Auxiliary Facilities of
the School Building

Current Conditions
near the Site
(including topographic
features)

Road Conditions
near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3/23)

1. Site No. 22
2. Name of School: South-West Char Alekjandar Registered NGPS.
3. Site Location : District: Laxmipur Thana ; Ramgati
   Union : Char Alekjandar Village: Alekjandar (Asal Para)
4. Interviewee : Name : Mr. Md. Fakhrul Islam Position: Headmaster
5. Accessibility
   1) ~~Nearest Station, Port, Main Road~~: Ramgati Thana H.Q. Distance: 4.6 km
   2) Road Conditions
      - Kind of Pavement: Earth, Gravel, ~~Brick~~, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad), partially very bad.
      - Road Width : 2 ~ 2.5 m Earth road gets muddy in raining season.
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), (Truck)(ton) only in dry season.
      - Necessity for Repair of Road: (Yes), No,
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : School Management Committee
   2) Area of School Site : 1.632 m² (including Playground of — m²)
   3) School Building : 1 no(s) (Floor Area: 9.8 m × 42 m= 41.16 m²)
   4) Type of Building : RC, Brick, (Wooden)
   5) Building conditions : Good, Not so good, (Bad) (8 years after built)
   6) Layout of Building : Class Room : 1 nos (9.8 m × 42 m)
      Teacher's Room; — no(s) (— m × — m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 337 nos (Single education, (Two shift education))
      (Class-1; 171 nos, Class-2; 58 nos, Class-3; 53 nos)
      (Class-4; 38 nos, Class-5; 17 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      16 % Class-4; nos, Class-5; nos,
   9) Reasons of Drop-outs: ① Economic, ② —, ③ —
   10) Countermeasures for 9): ① Income Increase, ② Food for Education ③
   11) Number of Teachers : 4 nos M-3, F-1
   12) Ancillary Facility: Well (Yes, (No), if yes, Depth of Well: m
       with pump or not)
       Present Conditions: Good, Not so bad, Bad,
       Toilet (Yes, (No), if yes, common or separate)
       Present Conditions: Good, Not so bad, Bad,
       Electric Facility (Yes, (No), 1st Power line is installed 1.5 km away.
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
       Locker(—)
   14) Number of School Aged Children
       within School Attendance Area: 2,000 nos (Radius: 1.5 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), Window(Window door fitting?),
       No repair has been done.
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)
       School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 6,000 nos
   2) Distance to Neighbouring Primary School : 2.0 km
   3) Distance to Neighbouring Cyclone shelter : 2.0 km
   4) Neighbouring Killa : Distance from the School: m
      None - existing Size(Top) ; m× m, Height: m
      ~~Progres~~ Ratio: %
   5) Topographic Conditions Nearby : Deep canal along the access road to the Site.
      (Obstruction for School Attendance or Evacuation at Cyclone Time)
   6) Normal Flood Level in Site 0.6m above the existing ground level.
   7) Neighbouring Warning System for Cyclone : Warning organization: BDRCS
      Measure of warning: Hand-mike
      Kind of signal: Flag; Level 1~10.
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1970
      Casualities; nos (Why so many died? 2,000)
      (How to solve? by climbing up roof)/trees
      Surge Height; 6.0 m
      Houses Brokened; 100% ~~nos~~
      Damage of Crops; 100% ~~ha~~
      Damage of Livestock; Cow ~~nos.~~ Goat ~~nos.~~ Sheep ~~nos.~~ } 100%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes: Executing Body), No
   2) Construction Body for Temporary School Building during the Construction of New school. : No need.
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) : SMC
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : No participation

9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor
   2) No. of Engineers) none.
   3) Past Experience and Construction Records —

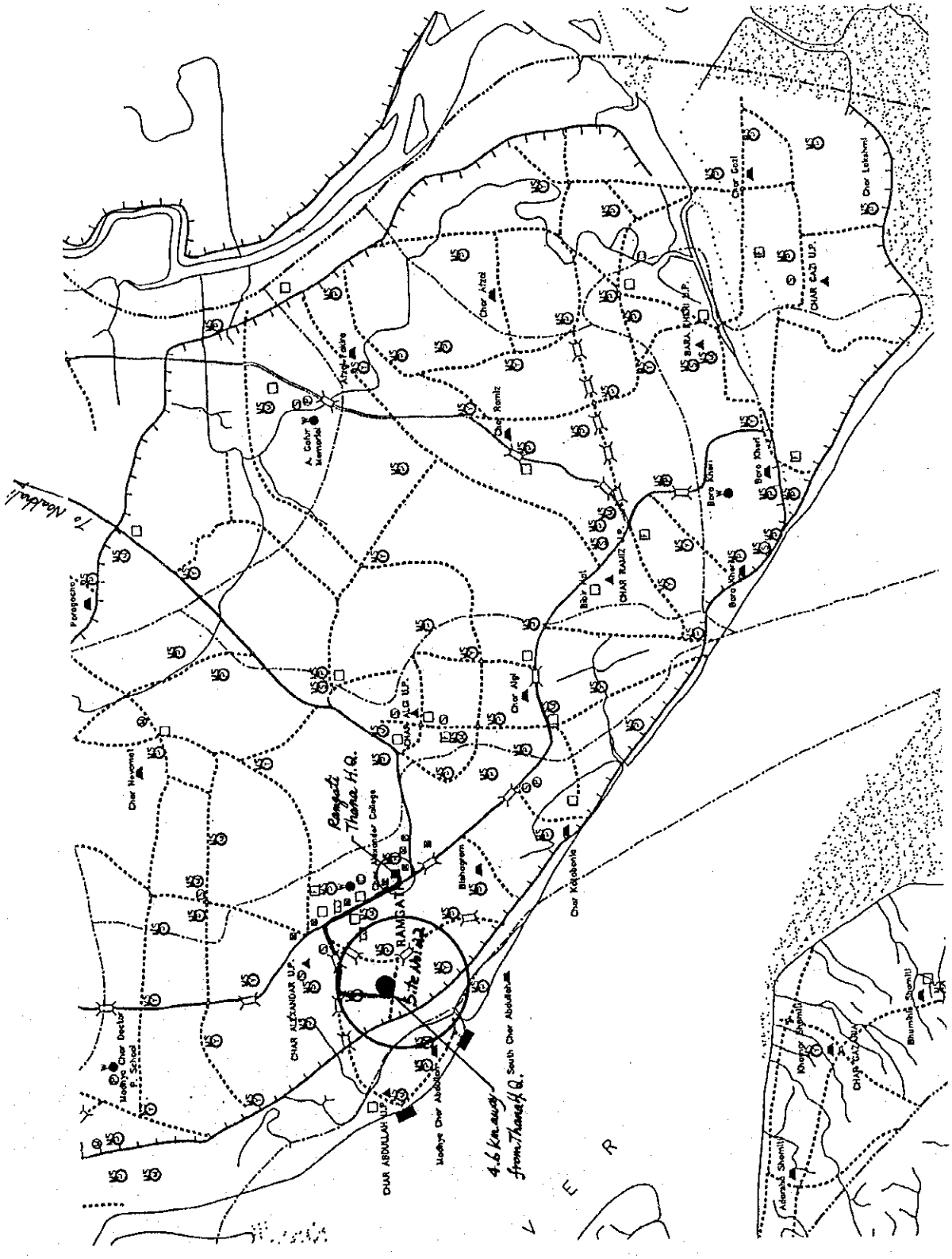
10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment;
   2) Materials;) Not available

11. Other Remarks

Deep canal exists the access road to the site.

Location Map of the Site

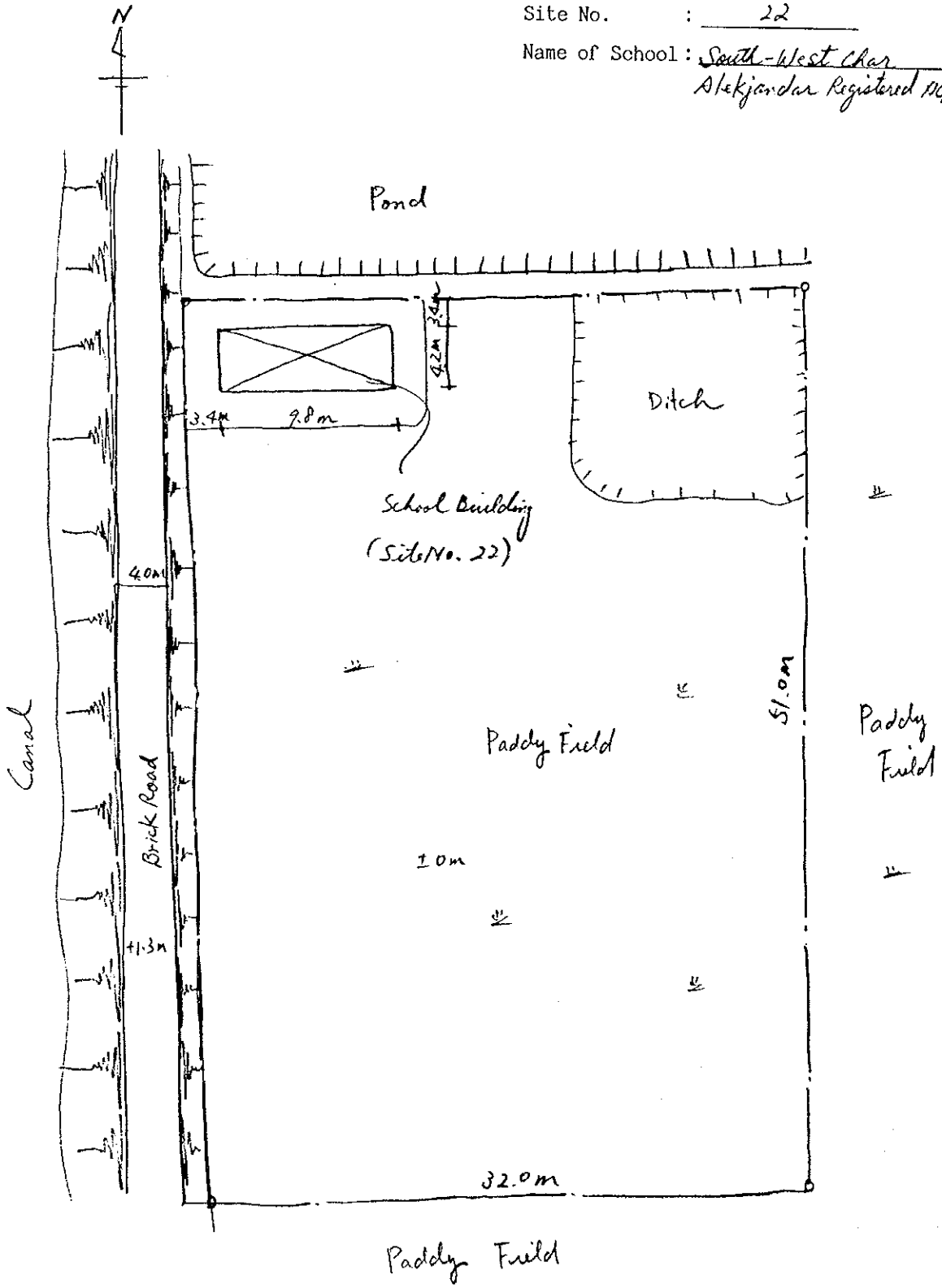
Site No.: 22



Sketch of the Site

Site No. : 22

Name of School : South-West Char
Alekjandar Registered NGPS.



Overall View of
the School Site

Overall View of
the School Building

Current Conditions
of A Classroom

Deep Canel along the Access Road to the School Site

Road Conditions near the Site

SITE SURVEY CHECK LIST

(Date: 1995/ 3 /23)

1. Site No. 23
2. Name of School: Sabagram GPS.
3. Site Location : District: Laxmipur Thana : Ramgati
   Union : Char Alekjandar Village: Alekjandar/Sabagram
4. Interviewee : Name : Md. Salehuddin Position: Asst. Teacher
5. Accessibility
   1) ~~Nearest Station, Port, Main Road~~: Ramgati Thana H.Q. Distance: 0.2 km
   2) Road Conditions
      - Kind of Pavement: (Earth), Gravel, Brick, (Asphalt), Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 2 ~ 4 m
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), (Truck)(— ton)
      - Necessity for Repair of Road: (Yes), No, (muddy in raining season)
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School — Newly proposed site
   1) Name of Landowner : Government
   2) ~~Area of School Site~~ : 1,020.5 m² (including Playground of — m²)
   3) School Building : 1 no(s) (Floor Area: 15.5 m × 6.38 m= 98.89 m²)
   4) Type of Building : RC, (Brick), Wooden
   5) Building conditions : Good, (Not so good), Bad (5 years after built)
   6) Layout of Building : Class Room : 4 nos (m × m)
      Teacher's Room: 1 no(s) (m × m)
      Other : — no(s) (m × m)
   7) Number of Pupils : 417 nos (Single education, (Two shift education))
      (Class-1; 120 nos, Class-2; 140 nos, Class-3; 90 nos)
      (Class-4; 44 nos, Class-5; 25 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      None Class-4; nos, Class-5; nos,
   9) Reasons of Drop-outs: ① ,② ,③ ,
   10) Countermeasures for 9): ① ,② ,③
   11) Number of Teachers : 6 nos M-4 F-2
   12) Ancillary Facility: Well (Yes, (No), if yes, Depth of Well; m
       with pump or not)
       Present Conditions; Good, Not so bad, Bad,
       Toilet ((Yes), No, if yes, common or separate)
       Present Conditions; Good, Not so bad, (Bad) out of order
       Electric Facility ((Yes), No,)
   13) Material of Fixtures: Desk(Wooden), Chair(Wooden)
       Locker(Steel)
   14) Number of School Aged Children
       within School Attendance Area: 1500 nos (Radius: 1.5 km)
   15) Maintenance of Building: Place; (Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(Color painting?), by LGED in 1990. Window(Window door fitting?),
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)
       PMED/LGED through Thana Education Committee
       by School Management Committee (SMC)

7. Surrounding Conditions
   1) Population within a 1.5km Radius: 5,000 nos
   2) Distance to Neighbouring Primary School : 1.5 km
   3) Distance to Neighbouring Cyclone shelter : 6.0 km
   4) Neighbouring Killa : Distance from the School: ~~m~~
      Size(Top) : ~~m~~ × m, Height: m
      Nos - Existing ~~Progres~~ Ratio: %
   5) Topographic Conditions Nearby : No objection
      (Obstruction for School Attendance or Evacuation at Cyclone Time)
   6) Normal Flood Level in Site Same level of the existing ground.
   7) Neighbouring Warning System for Cyclone : Warning organization; BDRCS
      Measure of warning; Hand-Mike
      Kind of signal; Flag ; Level 1 & 10.
   8) Maximum Damage by Cyclone in the Past : Year of Hitting: 1970
      Casualities;nos(Why so many died? 700 persons)
      (How to solve? by evacuating to Thana H.Q by Government office)
      Surge Height: 2.1 m
      Houses Brokened: 90% ~~nos~~
      Damage of Crops: 100% ~~ha~~
      Damage of Livestock: Cow nos. 500
      Goat nos. 700~800
      ~~Sheep nos.~~

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes;Executing Body). No.
   2) Construction Body for Temporary School Building during the Construction of New school. : No. need.
   3) Management and Maintenance System for Planned Facilities(Shelter-cum-school) : PMED, SMC
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities : No. participation

9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No of Sub-Contractor 5 . eg. one sub-contractor consists of 1) Accountant - 1
   2) No. of Engineers –
   3) Past Experience and Construction Records ; Culvert, small bridge, etc. 2) Supervisors - 4 (for Labourers)

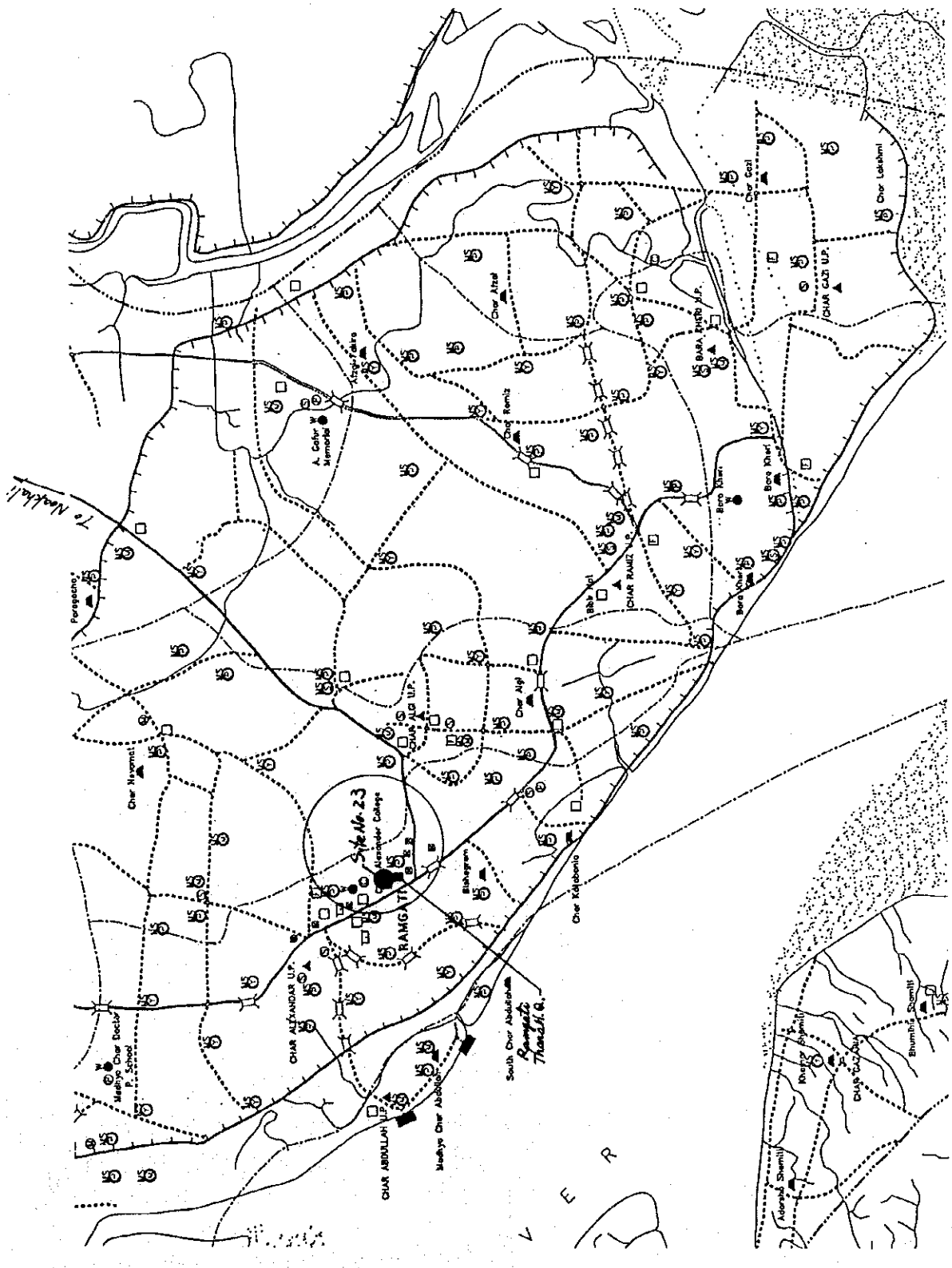
10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment:) not available
   2) Materials:) not available * Brick is available but its quality is very poor

11. Other Remarks

2-story dormitory and Thana H.Q. Buildings, which have sufficient sheltering capacity, are located next to the Site.

Location Map of the Site

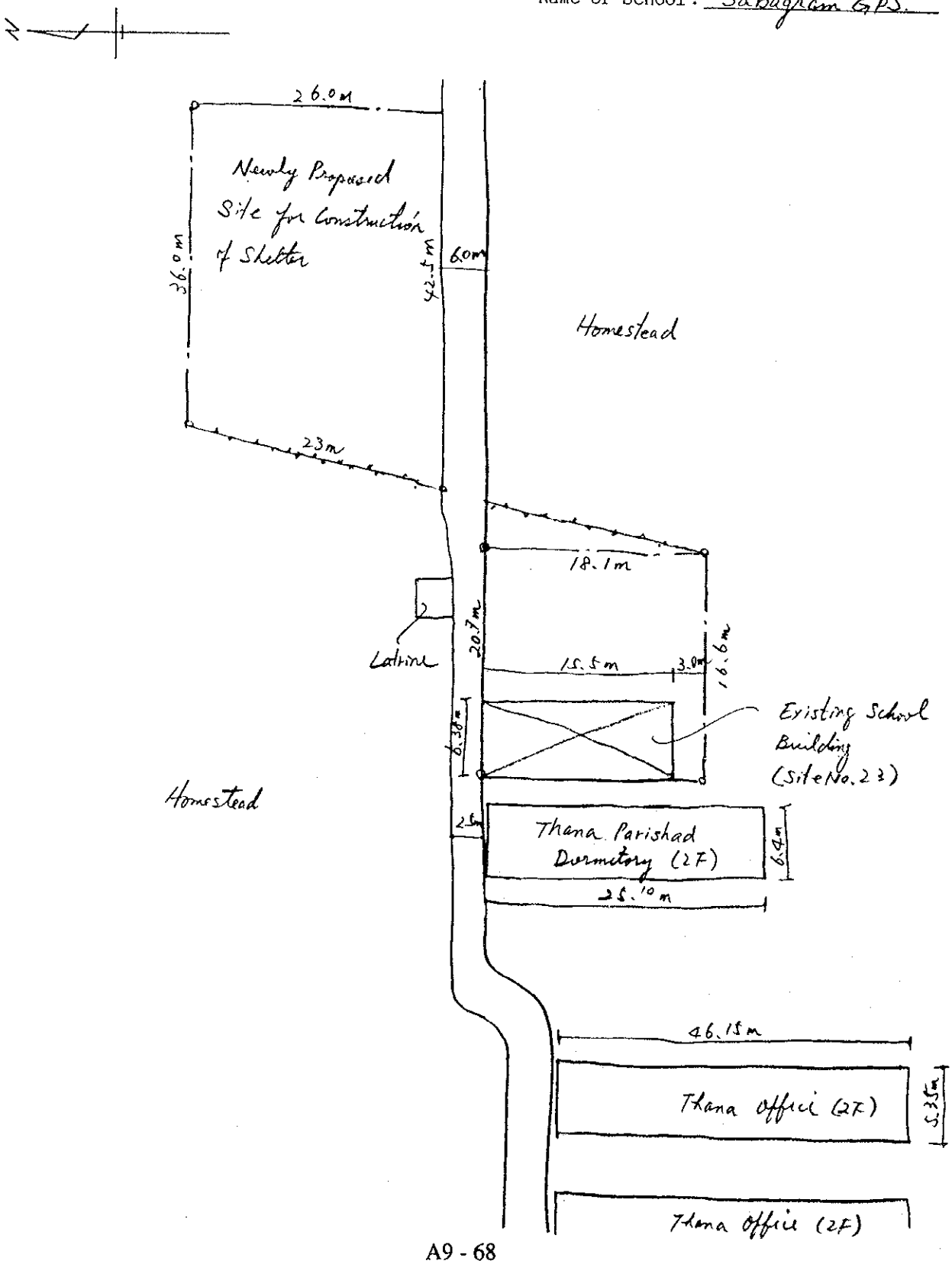
Site No.: 23



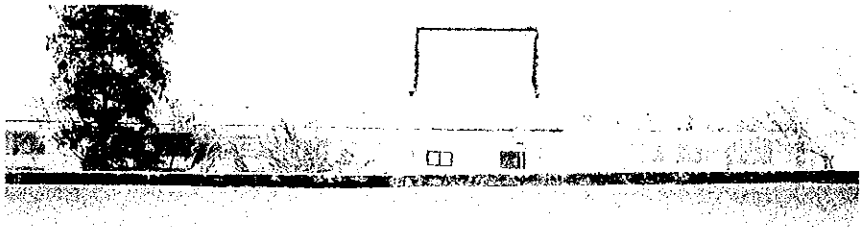
Sketch of the Site

Site No. : 23

Name of School : Sabagram GPS.

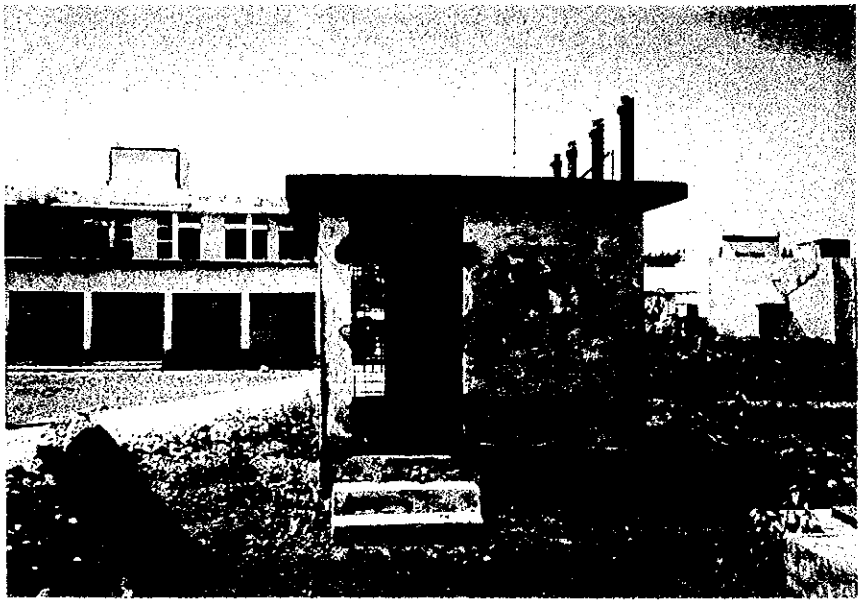


Overall View of the School Site



View of the School Building

Current Conditions of A Classroom



Auxiliary Facilities (toilet) of the School Building

Thana Office adjacent to the School Site

Road Conditions of A Classroom

SITE SURVEY CHECK LIST

(Date: 1995/ 3 /24)

1. Site No. 25
2. Name of School: Azadnagar GPS.
3. Site Location : District: Laxmipur Thana : Ramgati
   Union : Char Badam Village: Char kolokopa
4. Interviewee : Name : Mr. Abdul Mazed Position; Headmaster
5. Accessibility
   1) ~~Nearest Station, Port, Main Road~~: Ramgati Thana H.Q. Distance: 12.5 km
   2) Road Conditions
      - Kind of Pavement: (Earth), Gravel, Brick, Asphalt, Concrete,
      - Condition of Pavement: Good, Not so good, (Bad)
      - Road Width : 4.0 m Road gets muddy in raing season.
      - Passable Vehicle: Motor cycle, Rikisha, Sedan, (Jeep), (Truck) (4 ton)
      - Necessity for Repair of Road: (Yes), No, (only in dry season)
      - Necessity for Repair of Bridges or Culverts: Yes, (No)
6. Conditions of School
   1) Name of Landowner : Government
   2) Area of School Site : 5,868 m² (including Playground of — m²)
   3) School Building : 2 no(s) (Floor Area: 18.7 m × 6.7 m = 148.79 m²) 12.7 1.85
   4) Type of Building : RC, (Brick), Wooden
   5) Building conditions : Good, Not so good, (Bad) (15 years after built)
   6) Layout of Building : Class Room : 3 nos (— m × — m)
      Teacher's Room; 1 no(s) (— m × — m)
      Other : — no(s) (— m × — m)
   7) Number of Pupils : 460nos (Single education, ~~Two shift education~~)
      (Class-1; 190 nos, Class-2; 100 nos, Class-3; 70 nos)
      (Class-4; 68 nos, Class-5; 32 nos)
   8) Number of Drop-outs : Class-1; nos, Class-2; nos, Class-3; nos
      None ~~Class-4; nos, Class-5; nos,~~
   9) Reasons of Drop-outs: ① ,② ,③
   10) Countermeasures for 9): ① ,② ,③
   11) Number of Teachers : 2 nos
   12) Ancillary Facility: Well ((Yes), No, if yes, Depth of Well: 10 m
       with pump or not)
       Present Conditions; Good, Not so bad, (Bad), out of order
       Toilet (Yes, No, if yes, common or (separate))
       Present Conditions; Good, Not so bad, (Bad),
       Electric Facility (Yes, (No)) Power line is installed 3km away
   13) Material of Fixtures: Desk(Steel), Chair(Steel)
       Locker(Steel)
   14) Number of School Aged Children
       within School Attendance Area: 900 nos (Radius: 1.5 km)
   15) Maintenance of Building: Place; Roof(Leaking of rain?), Piller(Exfoliate of concrete?), Wall(~~Color painting~~?), Window(Window door fitting?),
       No maintenance
       Method; Name of organization, Organizational unit for maintenance (H.Q., District, Thana or school), Procedure for repair (Requesting, Patrol by engineer=when)
       DPEP/FD through Thana Education committee
       School Management Committee (SMC)

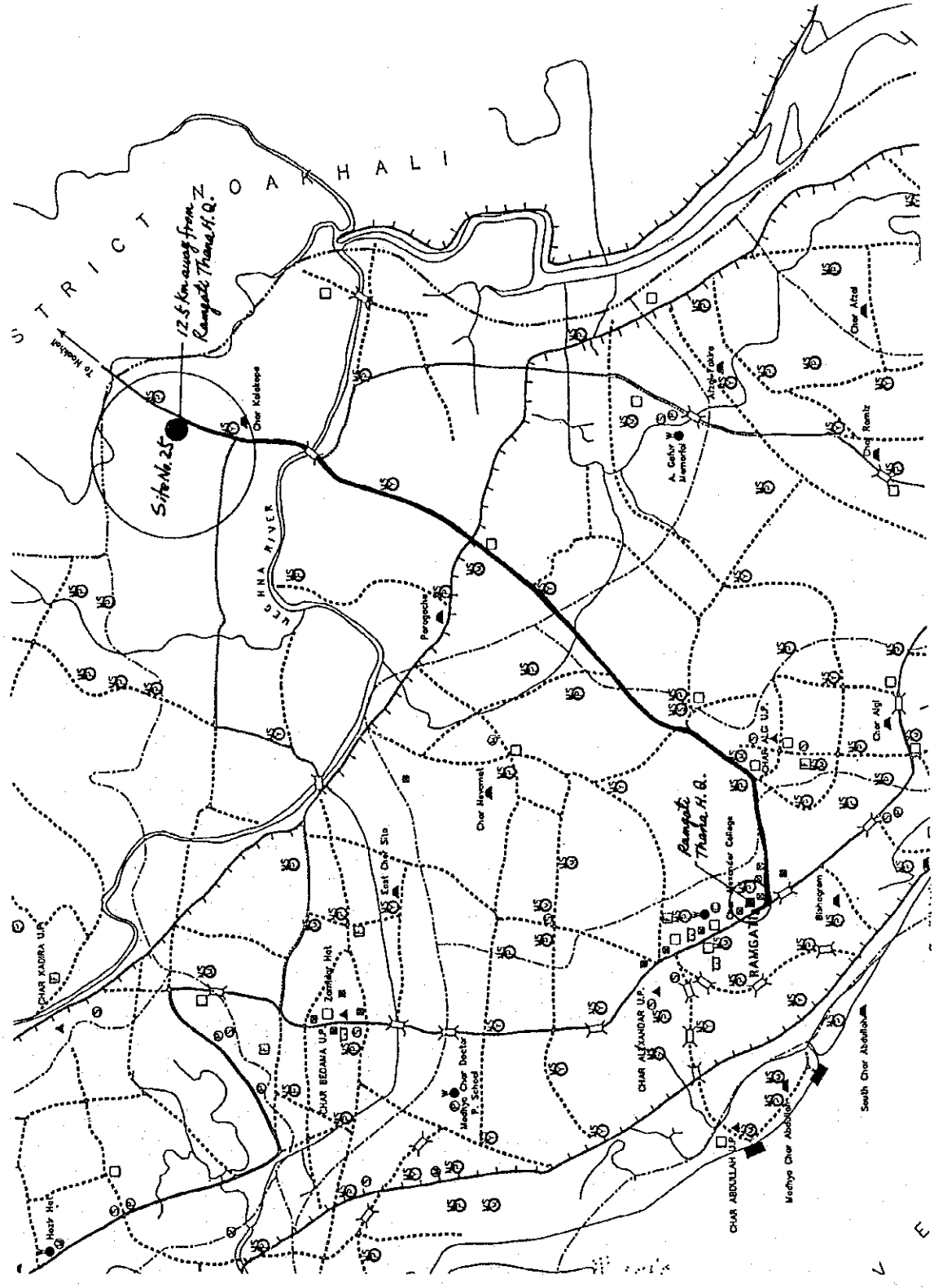
7. Surrounding Conditions
   1) Population within a 1.5km Radius: 10,000 nos
   2) Distance to Neighbouring Primary School : 3 km
   3) Distance to Neighbouring Cyclone shelter : in the same premises ~~km~~
   4) Neighbouring Killa : None Distance from the School: ~~m~~ Size(Top) : ~~m~~ × m, Height: m Progres Ratio: %
   5) Topographic Conditions Nearby : (Obstruction for School Attendance or Evacuation at Cyclone Time) No objection
   6) Normal Flood Level in Site : the existing ground level
   7) Neighbouring Warning System for Cyclone : Warning organization; None Measure of warning; — Kind of signal; —
   8) Maximum Damage by Cyclone in the Past : Year of Hitting; 1970 Casualities; nos (Why so many died? 200) (How to solve? —) Surge Height; 3 m Houses Brokened; 100% ~~nos~~ Damage of Crops; 100% ~~ha~~ Damage of Livestock; Cow ~~nos.~~ Goat ~~nos.~~ Sheep ~~nos.~~ } 100%

8. Item to Be Confirmed in Case of the Project Being Executed
   1) Necessity for Demolition of the Existing School Building : Yes (If yes; Executing Body), No.
   2) Construction Body for Temporary School Building during the Construction of New school. :
   3) Management and Maintenance System for Planned Facilities (Shelter-cum-school) :
   4) Neighbouring Inhabitants' Participation in Management and Maintenace for the Planned Facilities :
9. Capability of Sub-Contractor near the Site
   1) ~~Name~~ No. of Sub-Contractor
   2) No. of Engineers
   3) Past Experience and Construction Records
10. Availability of Procuring Construction Equipment and Materials :
   1) Equipment;
   2) Materials;
11. Other Remarks

A shelter is now being constructed within the Site.

Location Map of the Site

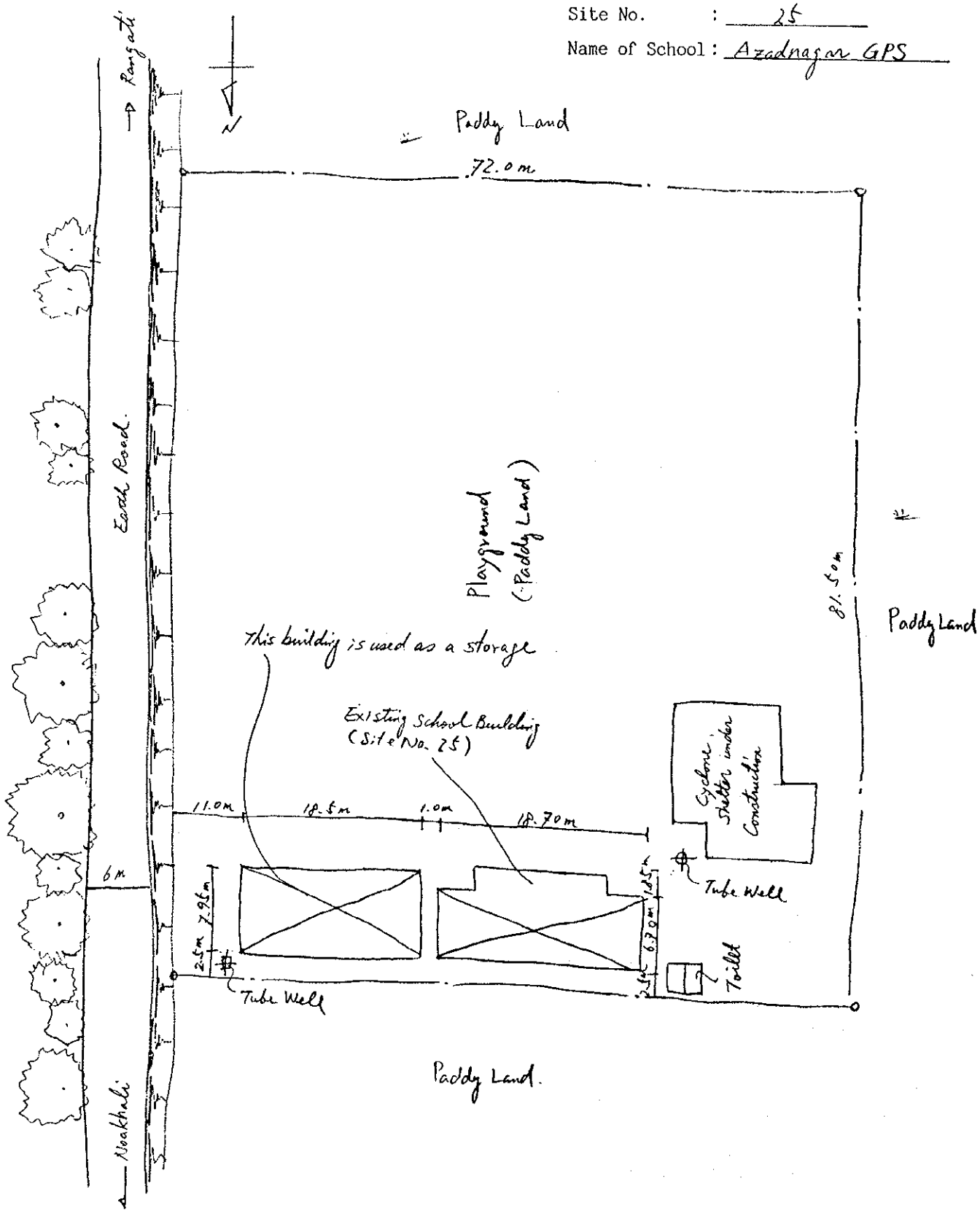
Site No.: 25

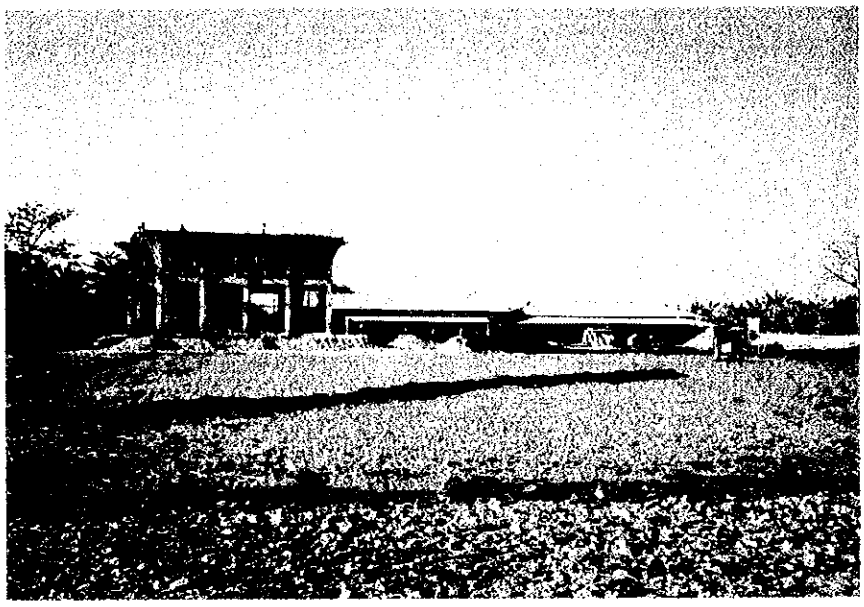


Sketch of the Site

Site No. : 25

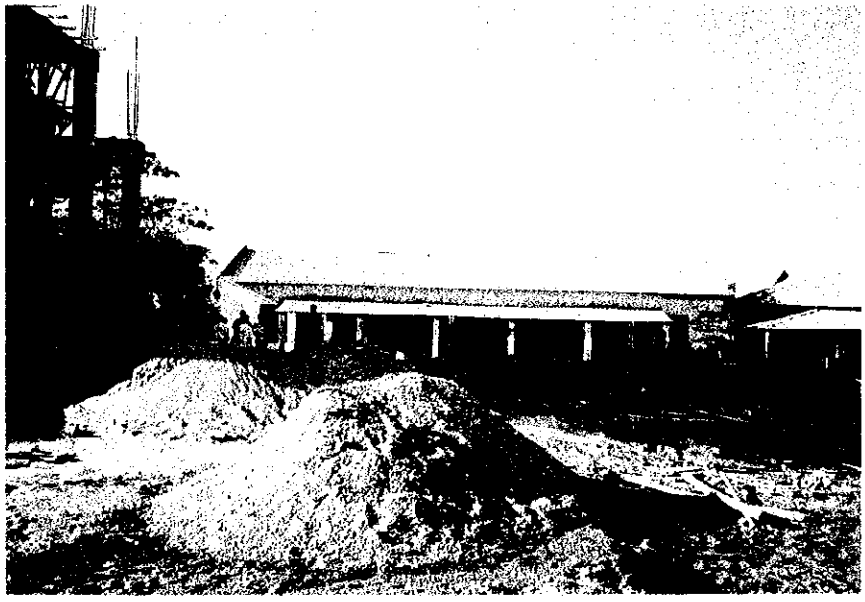
Name of School : Azadnagar GPS





Overall View of
the School Site

Overall View of
the School Building



Current Conditions
of A Classroom