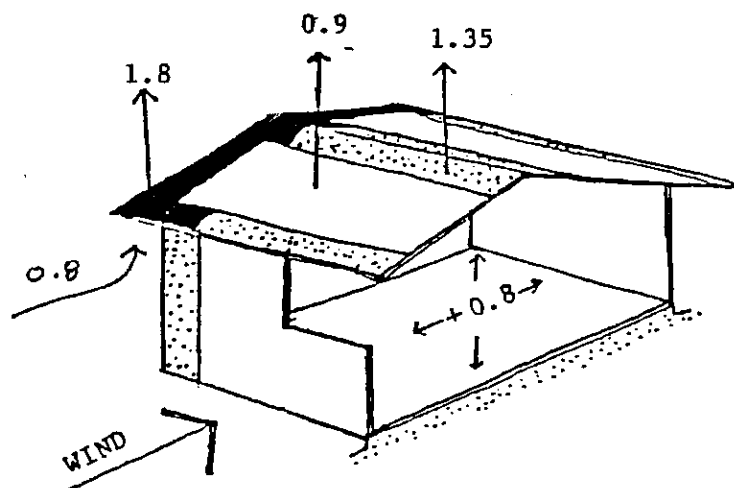


CONSIDERATIONS FOR THE DESIGN OF CYCLONE RESISTANT BUILDINGS

TABLE B8 - WIND LOADS

DESIGN LOADS - ZONE C - PITCH $< 20^\circ$ DIAGRAM OF PRESSURE COEFFICIENTS
(to be multiplied by Q_z)

K = CLADDING COEFFICIENT

- [White Box] AREA A - $P_s + P_I$
 [Dotted Box] AREA B - $1.5P_s + P_I$
 [Solid Black Box] AREA C - $2.0P_s + P_I$

 Q_z = STATIC WIND PRESSURE P_z = DESIGN PRESSURE P_I = INTERNAL PRESSURE P_s = EXTERNAL SUCTION

$$\text{STRUCTURAL LOAD } P_z = Q_z (P_I + P_s)$$

$$\text{CLADDING LOADS } P_z = Q_z (K \times P_s + P_I)$$

TERRAIN CATEGORY	HEIGHT	PRESSURE Q_z	DESIGN LOADS - lbf/ft ²			WIND SPEED
			AREA A $1.7 \times Q_z$	AREA B $2.15 \times Q_z$	AREA C $2.6 \times Q_z$	
1	30'0"	25	42	53	63	98
	15'0"	21	36	46	55	92
2	30'0"	21	35	44	53	90
	15'0"	18	30	38	46	84
3	30'0"	15	25	32	38	77
	15'0"	13	22	27	33	71
4	30'0"	10	17	22	26	63
	15'0"	9	15	19	22	59
			STRUCTURAL LOAD	CLADDING LOADS*		

ROOF LOADS - DOMINANT OPENING IN WINDWARD WALL

* Local pressure factors must not be used in the determination of the total forces on a structure or a surface such as a wall or roof.

CONSIDERATIONS FOR THE DESIGN OF CYCLONE RESISTANT BUILDINGS

TABLE B9 - WIND LOADS

DESIGN LOADS - ZONE C - PITCH > 20°

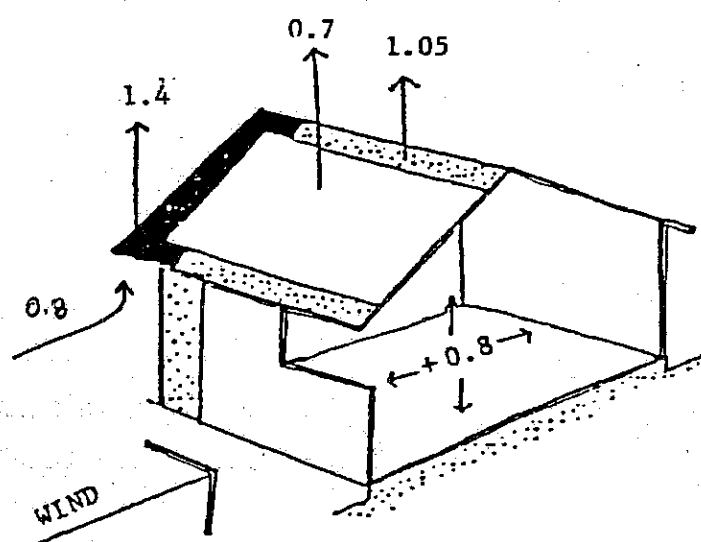


DIAGRAM OF PRESSURE COEFFICIENTS
(to be multiplied by Q_z)

K = CLADDING COEFFICIENT

- AREA A - $P_s + P_I$
 AREA B - $1.5P_s + P_I$
 AREA C - $2.0P_s + P_I$

 Q_z = STATIC WIND PRESSURE P_z = DESIGN PRESSURE P_I = INTERNAL PRESSURE P_s = EXTERNAL SUCTION

$$\text{STRUCTURAL LOAD } P_z = Q_z (P_I + P_s)$$

$$\text{CLADDING LOADS } P_z = Q_z (K \times P_s + P_I)$$

DESIGN LOADS - lbf/ft²

TERRAIN CATEGORY	HEIGHT	PRESSURE Q_z	AREA A $1.5 \times Q_z$	AREA B $1.85 \times Q_z$	AREA C $2.2 \times Q_z$	WIND SPEED m
1	30'0"	25	37	45	54	98
	15'0"	21	32	39	47	92
2	30'0"	21	31	38	45	90
	15'0"	18	29	33	39	84
3	30'0"	15	22	27	32	77
	15'0"	13	19	24	28	71
4	30'0"	10	15	19	22	63
	15'0"	9	13	16	19	59
STRUCTURAL LOAD			CLADDING LOADS *			

ROOF LOADS - DOMINANT OPENING IN WINDWARD WALL

* Local pressure factors must not be used in the determination of the total forces on a structure or a surface such as a wall or roof.

6.00 CHECK LISTS

It is recommended that check lists be prepared for various stages of school inspections, design, documentation and construction inspections.

The lists presented here are not conclusive but suggest topics that could be listed, developed or reviewed depending on the needs of the country nationally or regionally.

A Regional check list for cyclone damage could be prepared.

It is suggested that each region prepare a single page sheet for each school showing:

- Rough site plan and location
- Number of classrooms and students (approximately)
- Notes on areas prone to disaster attack.
- Space for brief damage report

Regions could subsequently provide overall reports to zone Headquarters.

Check lists could be under the following headings:

6.01 For Annual Inspection of Schools

- For design of schools generally
- For quality of equipment
- For standards of cleanliness
- For maintenance requirements
- For upgrading to meet current standards
- For light, ventilation, acoustics and orientation
- For site planning, landscaping and fencing

6.02 For Documentation of Basic Plans

- Draw all construction details needed
- Develop typical details
- Prepare site and landscaping plan
- Prepare standard specification clauses

6.03 For Construction Details

- Ridge of roof to roof cladding
- Barge of roof at gable
- Fixing of roof cladding to purlins
- Avoid small battens where possible
- Reduce spacing of purlins
- Space purlins to suit cladding loads
- Purlin to truss connection
- Truss to ring beam
- Ring beam to foundation
- Door and window joints detail and fixing
- Verandah roof and supports
- Bracing in roof plane
- Bracing between trusses
- Mud tiles to roof batten
- Connections of bamboo members
- Alternate gable wall details
- "J" hooks or bolt fixings to steel trusses including more direct and positive fixing
- Connection of brick walls to concrete column
- Bracing or buttress to walls as required
- Fixing spacings to C.I. roofs
- Type and size of washers
- Specify cover of concrete to reinforcement
- Specify proper vibration given to concrete
- Use innovative materials for low cost schools

6.00 CHECK LISTS (cont'd)

6.04 For Contract Administration

- Check quality of materials e.g. sand, cement, timber, etc.
- Check standard of workmanship
- Is brickwork connected to concrete columns
- Is roof structure tied down in a continuous manner to the foundations.
- Check all connections especially roof sheeting to purlins, purlins to rafters or trusses, truss or rafter connection to ring beam
- Ensure that roof bracing is installed
- Check ridge and barge fixings
- Check cover of reinforcement in concrete is as specified
- Ensure concrete is properly vibrated during placing

Wednesday, 4th April)
) Preparation for mission
Thursday, 5th April)

7.00 CALENDAR OF ACTIVITIES (cont'd)Wednesday, 11th April

Daily planning meeting.
 Visit to FD/MOE, Rajshahi office.
 Meeting with provincial officials.
 Site visit #6.
 Site visit #7.
 Site visit #8.
 Site visit #9.
 Meeting with provincial officials TTC.
 Training at Rajshahi - session 2.
 Training at Rajshahi - session 3.
 Sightseeing at Rajshahi.
 Work on report and notes
 Overnight Rajshahi.

Thursday, 12th April

Daily planning meeting.
 Travel Rajshahi-Dhaka by air.
 Meeting at FD/MOE, Dhaka office.
 Met Ex-Director General, Primary Education, Dhaka. (21)
 Met Director, FD/MOE, Dhaka. (1)
 Met Assistant Chief Architect (ACA), FD/MOE, Dhaka. (9)
 Dinner with ACA, FD/MOE, Dhaka.
 Met Assistant Director, Bangladesh Bank, Dhaka. (26)
 Developed draft form of wind code for Bangladesh.
 Overnight Dhaka.

Friday, 13th April

Daily planning meeting.
 Travel Dhaka-Chittagong by air.
 Visit to Circuit House, Chittagong.
 Met AE, Chittagong. (15)
 Met EE, Chittagong. (8)
 Met SE, Chittagong. (2)
 Training at Chittagong - session 1.
 Training at Chittagong - session 2.
 Sightseeing at Chittagong.
 Dinner with provincial officials.
 Overnight Chittagong.

Saturday, 14th April

Daily planning meeting.
 Travel Chittagong-Dhaka by air.
 Meeting with Director, FD/MOE, Dhaka.
 Met Secretary, Bangladesh NatCom for UNESCO, Dhaka. (18)
 Site visit #10.
 Training at Dhaka - session 1.
 Met AE, Dhaka. (16)
 Lunch with SE, Dhaka.
 Training at Dhaka - session 2.
 Dinner with AE, Dhaka & SE, Dhaka.
 Overnight Dhaka.

7.00 CALENDAR OF ACTIVITIES (cont'd)Sunday, 15th April (National Holiday).

Dawn celebration of Bengali New Year with SE, Dhaka & family.

Visit to residence of SE, Dhaka.

Sightseeing at Dhaka.

Revision of notes and research.

Dinner with ACA, Dhaka.

Met consulting Engineer, Concept Engineering Consultants.

(27)

Report writing.

Overnight Dhaka.

Monday, 16th April

Daily planning meeting.

Visit to Natcom, Dhaka.

Visit to UNDP.

Met Finance Officer, UNDP.

(20)

Meeting with SE, Dhaka.

Met EE, FD/MOE, Dhaka.

(5)

Report writing.

Met Assistant Secretary, NatCom, Dhaka.

(19)

Met AE, FD/MOE, Dhaka.

(17)

Met EE, FD/MOE, Dhaka.

(7)

Dinner held by provincial officials and Director FD/MOE.

Overnight Dhaka.

Tuesday, 17th April

Report writing.

Travel Dhaka-Bangkok by air.

Overnight Bangkok.

Wednesday, 18th April

Visit to UNESCO office.

Met H. Ahmed, Director, UNESCO PROAP.

Discussion on mission with J. Beynon.

Report writing and typing draft report.

Overnight Bangkok.

Thursday, 19th April

Report writing and typing draft report.

Further development of wind code for Bangladesh.

Departure for Townsville, Australia.

Overnight in flight.

Friday, 20th April

Arrive Cairns 8.00 am.

Arrive Townsville 2.00 pm.

Monday, 23rd April to Friday, 27th April.

Completion of report.

8.00 LIST OF PERSONNEL MET

Note that an abbreviation has been adopted as follows hereunder and for participants log:

SE	Superintending Engineer
EE	Executive Engineer
AE	Assistant Engineer
ACA	Assistant Chief Architect
SAE	Sub Assistant Engineer

8.01 Facilities Department, Ministry of Education, Bangladesh.

1.	Md. Anwarul Alam	Director	Dhaka
2.	Mr. A.B.M. Abdul Momin	SE	Chittagong
3.	Mr. P.K. Biswas	SE	Dhaka
4.	Mr. Anisur Rahman	EE	Rajshahi
5.	Mr. Fozlur Rahman	EE	Dhaka
6.	Mr. Ali Azzam Quadry	EE	Khulna
7.	Mr. Mustafa Kamal	EE	Dhaka
8.	Mr. A. Mazid	EE	Chittagong
9.	Md. Matiur Rahman	ACA	Dhaka
10.	Md. Ali Azzam	AE	Khulna
11.	Md. Mainuddin	AE	Jessore
12.	Md. Moktar Hossain	AE	Kushtia
13.	Md. Harunur Rashid	AE	Naogaon
14.	Mr. Kazi Salehur Rahman	AE	Rajshahi
15.	Md. Sadequire Rahman	AE	Chittagong
16.	Md. Abu Eusuf	AE	Gazipur
17.	Mr. D.M. Hanzala	AE	Dhaka

8.02 Bangladesh National Commission for UNESCO, Dhaka.

18.	Mr. Abdus Selim	Secretary	Dhaka
19.	Mr. Kabir Mazumder	Assistant Secretary	Dhaka

8.03 Persons encountered other than associated with the Facilities Department and BNCU.

20.	Mr. Ahmed Hossain	Finance Officer, UNDP	Dhaka.
21.	Dr. Zahirul Islam Bhuiyan	Ex-Director General Primary Education	Dhaka.
22.	Dr. Md. Anwar Hossain	Deputy Executive Director Secondary Education and Science Centre	Development
		Teachers Training College (TTC)	Rajshahi.
23.	Mr. Giassuden Ahmed	Principal, TTC	Rajshahi.
24.	Md. Taimur Rahman	Vice-Principal, TTC	Rajshahi.
25.	Mr. A.N. Md. Mustafizur	Lecturer, TTC	Rajshahi.
26.	Md. Salehuddin	Assistant Director Bangladesh Bank	Dhaka
27.	Md. Shahabuddin	Consulting Engineer Concept Engineering Consultants	Dhaka.

8.00 LIST OF PERSONNEL MET (cont'd)**8.04 UNESCO-FD/MOE Team (At Every Session):**

Mr. K.J. Macks	Architect, UNESCO Consultant.
Mr. P.K. Biswas	S.E., FD/MOE, Coordinator in Bangladesh.
Mr. A.K. Macks	Student, Assistant to UNESCO Consultant.

At Khulna Session:

Mr. Ali Azzam Quadry	E.E., FD/MOE	Khulna.
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At Rajshahi Session:

Md. Anisur Rahman	E.E., FD/MOE	Rajshahi.
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At Chittagong Session:

Mr. A.B.M. Abdul Momin	S.E.	Chittagong.
Mr. M.A. Mazid	E.E., FD/MOE	Chittagong.

At Dhaka Session:

Md. Matiur Rahman	A.C.A., FD/MOE	Dhaka.
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8.05 LIST OF ALL PARTICIPANTS IN TRAINING SESSIONS

Training sessions were held in four different locations.

- | | |
|----------------|------------------------------|
| 1. Khulna: | Teachers' Training College. |
| 2. Rajshahi: | Teachers' Training College. |
| 3. Chittagong: | Nasirabad Boys' High School. |
| 4. Dhaka: | Teachers' Training College. |

The attached pages contain the names of the participants by zone and district.

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT KHULNA

ଓଡ଼ିଆ ୧/୪/୭୦ ତା: ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ ପ୍ରମିଳାଙ୍କ ଟଙ୍କା ଉପକ୍ରମିତ ହୁଏନା
 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ ପ୍ରମିଳାଙ୍କ ପ୍ରମିଳାଙ୍କ ଟଙ୍କା ଉପକ୍ରମିତ ହୁଏନା
 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ : - I. KHULNA 9.4.90
 KHULNA

No.	NAME	TITLE	DISTRICT HEADQUARTERS/POSTING	DATE
1	MD. NURUL AMIN	Asstt. Engineer - Shalukati		9.4.90
2	MD. ALI AZAM (met)	Asstt. Engr. (Kalyan Zone)		9.4.90
3	P. F. M. Bashir Rahman	Asstt. Engr - Khulna		9.4.90
4	MD. Robiul Haque	Asstt. Engr. Sattkhira		9.4.90
5	S. M. Zahidul Alam	Asst. Engr., Barisal		9.4.90
6	H. D. Obaidul Islam	Asstt. Engr. Jessore Zone		9.4.90
7	S. M. Abul Baki	Asstt. Engineer		9.4.90
8	M. A. HAQUE	Assistant Engineer		9.4.90
9	A. K. M. FARUQUE	Asstt. Engineer, Bagerhat		9.4.90
10	GHOUS HOSI SHAHA	Asstt. Engineer, Moulvibazar		9.4.90
11	MOSTAFIZUL RAHMAN BISSAS	SUB-ASST. ENGINEER, BAGERHAT MADAR		9.4.90
12	MD. ANWAR HOSAIN	SUB-ASSTT. ENGINEER, KOWLIA, PIROJPU		9.4.90
13	MD. MAKKAR UDDIN	S.A.E. BARISHAL SADAR		9.4.90
14	A. K. H. ALAUDDIN	SAE, Bakergang, Barisal		9.4.90
15	MD. NAZRUL ISLAM	SUB-ASSTH. Engineer, Patuakhali		9.4.90
16	MD. JALAL UDDIN KHAN	Sub-Asstt. Engg. Jhalakati		9.4.90
17	MD. ABDUL BAKUR	Sub-Asstt. Engineer, Bagerhat Sadar		9.4.90
18	MD. SADEQUELLAH	Sub-Asstt. Engineer, Kharisampur, Jessore		9.4.90
19	Kabir Uddin Ahmed	Sub-ASSTH. Engineer, Sattkhira		9.4.90
20	MD. JALAL UDDIN KHAN	Sub-Asstt. Engineer, Jhenidah Sadar		9.4.90
21	M. MAZEL HOSAIN	"		9.4.90
22	Shamajoy Biswas	"		9.4.90
23	MD. ABUL HASE	"		9.4.90
24	MD. ABU BAKAR	"		9.4.90
25	Sharif Sultan Ahmad (met)	"		9.4.90
26	MD. MAKTAR HOSAIN	A/E (F.D) Kuthia		9.4.90
27	MD. SHAMAIL HUDA	A/E (F.D) Chudanga		9.4.90
28	MD. MAJID UDDIN (met)	A/E (F.D) Jhenore		9.4.90
29	Kh. Mostafiz Hossain	A/E (F.D) Jhalakati		9.4.90

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT KHULNA

30. Md. Anwarul Islam S.A.E. Mirpur, Kushtia / H.M. Ash 9/54/90
31. Mr. Nazim Md. Kabir SAE (P) Daulatpur Klu. 9/54/90
32. Md. Habibur Rahman (SAE) Kalima, Narail 9/54/90
33. Mr. Golam Quader S.A.E. Shultala, Khulna. 9/54/90
34. Mrs. Kalipada pramanik S.A.E. Khulna 2022, Khulna 9/54/90
35. Md. Pirul Islam Sub-Assistant Engineer, F.D. Chaudhury 9/54/90
36. Md. Sadar Uddin Sub-Assist. Engineer, Kaligaj, Jharkhand. 9/54/90
37. Md. Abdur Rashid. S.S.A.E. Kanchanpore, Jessore. 9/54/90
38. Md. Golam Rasul. S.A.E. Dohagora, Narail. 9/54/90
39. Md. Shariful Islam S.A.E. Fakirhat Bagorhat. 9/54/90
40. Mr. Abdul Kader S.A.E. Narail. 9/54/90
41. Mr. Bishu Kanti Huda SAE. Zone KLU - 9/54/90

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT RAJSHAHÍ.

ASSISTANT ENGINEER, FACILITIES DEPARTMENT, RAJ

राजशही
RAJSHAHJ CIRCLE, RAJSHAHJ.

2. RAJ SHANI 10-11-49

RAJSHAHJI LIX
पुणमि गण. अ. ५५५५५

22/08/2025

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KJA
E

S.No.	NAME	DISTRICT/HEAD QUARTER	SIGNATURE
1.	MD. REZAUL KARIM	TRIPURA	
2.	MD. REZAUL KARIM	NATORE & JAIPUR HAT.	
3.	MD. ENAMUL HAQUE	LALMONIRHAT.	
4.	S.M. Abul Kalam Azad	GAIBANDHA	
5.	S.M. Abul Kalam Azad	Bogura	
6.	Kazi Salchar Khatun	Rajshahi.	
7.	Arum Kr. Sinha (net)	Pabna	
8.	MD. Aftzal Hossain	Nawalpore	
9.	MRS. BULBUL AKTER	RANGPUR	
10.	MD. ANOWAR-UL ISLAM	RAJSHAH ZONE RAJSHAH	
11.	MD. ABDUL GHANI	KURIGRAM. DIST. RANGPUR ZONE	
12.	MD. YOUNUS ALI	SERAGGONJ	
		DIKATIPUR	

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT RAJSHAH

SUB-ASSISTANT ENGINEERS				
উপ-সহকারী প্রকৌশলী কর্মকর্তাদের তালিকা				
FACILITIES DEPARTMENT, RAJSHAH CIRCLE,				
উপ-সহকারী প্রকৌশলী কর্মকর্তাদের তালিকা				
RAJSHAH				
DATE - 11-04-90				
Sl. No.	NAME	Office	Circle	Signature
1.	MD. Lutfur Rahman Sub-Asstt. Engrg.	DPA-ZILA District Zonal Office Rajshahi	ZILA Headquarter	Rahman 11-4-90
2.	Barokur Md. Makbul Hossain Sub-Asstt. Engineer.	Chaughat	Rajshahi	Barokur 11-4-90
3.	SREE-DWIZENDRA NATH ROY SUB-ASISTANT ENGINEER.	MITHAPOKUR,	RANGPUR	Sree-Dwizendra 11/4/90
4.	MD. SHAFIAR RAHMAN SUB-ASSTT. ENGINEER.	SADAR	RANGPUR	Shafiur 11/4/90
5.	Syed Md. Tuddadullah Sub-Asstt. Engineer.	POBA	RAJSHAH	Syed 11/4/90
6.	MD. SHAM SUK RAHMAN S.A.E.	RAJSHAH ZONE	RAJSHAH	Sham 11/4/90
7.	MD. ABU RAYHAN	RAJSHAH ZONE OFFICE	RAJSHAH	Abu 11/4/90
8.	MD. ABDUS RAZZAQUE	SAIDPUR.	NILPHAMARI	Abdus 11/4/90
9.	Md. Abul At-Ussam ilah.	Lalmunshi	Lalmunshi	Abul 11/4/90
10.	MD. MUZIBOR RAHMAN,	GOMASTAPUR	NAWABGONJ.	Muzibor 11/4/90
11.	MD. RAKIM UDDIN	NAWABGANJ	NAWABGANJ	Rakim 11/4/90
12.	MD. ABDUS-SAMAD	BOGRA-SADAR	BOGRA	Abdus 11/4/90
13.	S.M. SALINULLAH.	RAJSHAH ZONE	RAJSHAH	Salin 11/4/90
14.	Syed Ali Aijaz	Thakurgaon		Syed 11/4/90
15.	Syau Javed Hossain	Sepangar.	Barisal	Syau 11/4/90
16.	MD. REZAUL ISLAM	PABNA-SADAR	PABNA	Rezaul 11/4/90
17.	MD. ABDUL MOMIN	STATION (Barisal)	STATION	Abdul 11/4/90
18.	MD. KHALAKUZZAMAN	LALPUR	NATORE	Khalak 11/4/90
19.	MD. NURUL ISLAM.	BARABARI	NATORE	Nurul 11/4/90
20.	MD. ABDUS SOBHAN	PANCHBI	JOYPURHAT	Abdus 11/4/90
21.	MD. AKRAMUL HAQUE.	GAIBANDHA.	GAIBANDHA.	Akram 11/4/90
22.	F.M. SHAHIDULLAH	PALASHBARI	GAIBANDHA	F.M. 11/4/90
23.	JYOTIRMOY DAS.	NAOGAON,	NAOGAON.	Jyoti 11-4-90

PARTICIPANTS AT RAJSHAH

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UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT CHITTAGONG

3. CHITTAGONG 13.4.90

TRAINING FOR BUILDING CYCLONE RESISTANCE

CHITTAGONG CIRCLE

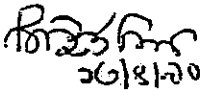
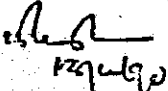
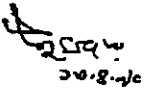
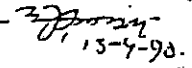
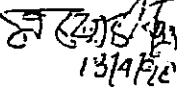
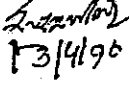
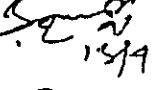
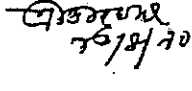
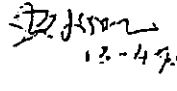
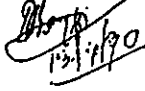
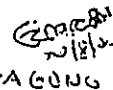
Date 13 APRIL, 1990

44

SIGNATURE

SIGNATURE	SERIAL NO.	NAME	DESIGNATION	LOCATION
<i>[Signature]</i>	1	MR SHARIF AHMED +	A.E.	SUNAMGONG
<i>[Signature]</i>	2	A.K.M. MUZIBAR RAHMAN	A/E	Grachmanbaria
<i>[Signature]</i>	3	SYED MUHAMMAD SHIRLY	A/E	SYLHET
<i>[Signature]</i>	4	MD. HARUN-AR-RASID	A/E	COMILLA
	5	MD. ABDUL MATIN	A/E	HABIGONG
	6	MD. ABDUL MALEQUE	S.A.E.	HABIGONG SADAR
	7	MD. ABDUL AWAL	S.A.E.	DERAI UPAZILA
	8	MOBARAK HOSSAIN SARKER	S.A.E.	SITAKUNDA
	9	MD. RAFIQUL ISLAM	S.A.E.	DEBIDWAR U.Z.
	10	MD. SERAJUL ISLAM	S.A.E.	DAUDKANDI U.Z.
	11	MD. HAFIZ UDDIN	S.A.E.	AKHAURA U.Z.
	12	MD. SHAMSUL HAQUE	S.A.E.	B. BARIA (SADAR) U.Z.
	13	MD. SIRAJUL ISLAM	S.A.E.	SUNAMGONG (SADAR) U.Z.
	14	ARUN KANTI DAS	S.A.E.	SATKANIA UPAZILA, CHITTAGONG
	15	PRASANTA KUMAR DAS	S.A.E.	SYLHET (SADAR)
	16	PRAKRITY-RANJAN TALUKDER	S.A.E.	MOULVI BAZAR, SADA-UPUZILA, P.R. TANGRA
	17	MD. A. Qudus	S.A.E.	Paiswanath, Sylhet
	18	MD. MESBAHUDDIN	S.A.E.	TEKNAF UPAZILA, DIST-COX'S BAZAR
	19	MD. JAINAL ABBIN	S.A.E.	COX'S BAZAR (PODAR) DIST COX'S BAZAR
	20	MD. ANISUR RAHMAN	S.A.E.	MADHABPUR U.Z.
	21	MD. SHAFIQUUL ISLAM MAZ.	S.A.E.	ZONE OFFICE C.F.C.
	22	MD. NASUR UDDIN	S.A.E.	Rangoni U/Z
	23	MD. SHAFIQUUR RAHMAN	S.A.E.	PATIA U/Z

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT CHITTAGONG

Sl.No.	NAME	DESIGNATION	SIGNATURE
24	MD. MOHIUDDIN	ASSISTANT ENGINEER CTG. ZONE RANGAMATI.	 26/8/90
25	MD. MIRANUL RAHMAN	ASSISTANT ENGINEER NOAKHALI	 26/8/90
26	DIPAK CHANDRA MAJUMDER	ASSISTANT ENGINEER LAXHIPUR.	 26.8.90
27	MD. SHARIFUL ISLAM	ASSISTANT ENGINEER	 26/8/90
28	MD. ZAHIRUL ISLAM.	COX'S BAZAR SUB-ASSISTANT ENGINEER. CHANDGAON THANA CTG.	 13-4-90
29	DIN MOHAMED	SUB-ASSISTANT ENGG. SADAR - NOAKHALI	 13-4-90
30	A.K.M. DELHAR HOSSAIN	SUB-ASSISTANT ENGINEER BEGUN GONG, NOAKHALI	 13/4/90
31	A.M.M. NURUL AMIN	SUB-ASSISTANT ENGINEER LAKSHMIPUR SADAR, LAKSHMIPUR.	 13/4/90
32	ABUL HOSSAIN	SUB-ASSTT. ENGG. SONAGAZI UPAZILA DIST: FENI.	 13/4/90
33	MD. MONIRUZZAMAN BHUIYAN	SUB. Asstt Engineer CT Zone Office	 13/4
34	Dipayan ghosh	Sub. Asstt. Engineer Chittagong Circle Office	 26/8/90
35	MD. RAKIBUL HASAN.	SUB-ASSTT. ENGINEER P.S. PANCHLAISH. CTG.	 13-4-90
36	MD. SHAMSUL HOQUE.	SUB-ASSTT. ENGINEER. P.S. KOTOWALI DIST: CHITTAGONG.	 13/4/90
37	MD. SHAFIQUE RAHMAN BHUIYAN	SUB-ASSTT. ENGINEER	 26/8/90
38	M. A. TAHER CHONDHURY.	DOUBLE MOORING, CHITTAGONG SUB-ASSTT. ENGINEER PANCHALI, CHITTAGONG.	 26/8/90

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT CHITTAGONG

39 MD. SADEUR RAHMAN (not) ASSISTANT ENGINEER
FACILITIES DEPT.

CHITTAGONG

13/4/90

40 MD. ABDUL QUADER ISHUTYAN.

SUB-ASSISTANT ENGINEER.
FACILITIES DEPARTMENT.
RAJNAGAR UPAZILLA.
DIST- MOULAVIBAZAR

13/4/90

41, A.N.M. WAHIDUZZAMAN,

ASSISTANT ENGINEER
CHANDPUR

13/4/90

42 MD SHAHID ULLAH

SUBASSISTANT ENGINEER
HATLAB, CHAND PUR

43. md. serajul

43. SERAJUL SLM SIKH - B.A.E

Jhimelhar-
UPAZILA

13/4/90

44. MD. MAINUDDIN
AHMED

Assistant Engineer
Feni

13/4/90

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT DHAKA

4. DHAKA 14.4.90

TRAINING COURSE 14/4/90.
ON CYCLONE RESISTANT BUILDING.

34 ACA
PLB
FCA

PARTICIPANTS ARE : ENGINEERS OF
DHAKA DIVISION.

NAME	DESIGNATION	PLACE OF POSTING.
01. MD. ABU EUSUF (MET)	ASSISTANT ENGINEER	GAZIPUR DISTRICT.
02. MD. MOZIBUR RAHMAN BARKER	ASSISTANT ENGINEER	KISHOR-GONJ.
03. ENGR. KRISHNA CHANDRA SAHA	ASSISTANT ENGINEER	MUNSHIGONJ.
04. ENGR. A.K.M. GOLAM KIBRIA	ASSISTANT ENGINEER	NARAYANGONJ.
05. MD. IDRIS ALI	ASSISTANT ENGINEER	NARSINGDI
06. MD. JASIM UDDIN	DIST. ASSTT. ENGINEER	TITALPUR.
07. MOHAMMAD. ABDUL MATID	DIST. ASSTT. ENGINEER	DHAKA.
08. MD. LUTFOR RAHMAN	SUB-ASSTT. ENGINEER.	DIANMO-NDI THANA, DHAKA DISTRICT.
09. MD. AMIRUL ISLAM.	SUB-ASSTT. ENGINEER.	MIRPUR THANA DHAKA DIST.
10. MD. ABDUL GOFUR	SUB-ASSTT. ENGINEER	ABDUL GOFUR KERANIGONG.
11. MD. TAZRUL ISLAM.	SUB-ASSTT. ENGINEER.	SONARGAON, NARAYANGONJ.
12. MD. ERSHAD ALI.	SENIOR-SUB-ASSTT. ENGINEER.	NARAYANGONJ SADAR.
13. MD. AZIZ ULLAH.	SUB-ASSTT. ENGINEER -	SHIBPUR, NARSINGDI
14. MD. NURUL HAQUE	SUB-ASSTT. ENGINEER -	NARSINGDI SADARUPAZILA.
15. K.H. MONIRUL ALAM SIDDIQUI - SR.	SUB-ASSTT. ENGINEER.	TONGIDARI UPAZILA MUNSHIGONJ DIST.
16. MD. AZIZUL HAQUE	SUB-ASSTT. ENGINEER	MOTIGHHEEL THANA DHAKA.
17. MD. ABDUL BAREK AKANDA.	SUB-ASSTT. ENGINEER.	PURBODHALA. DIST. NETRAKUNA.
18. MD. AMINUL HAQUE	SUB-ASSTT. ENGR	NAKLA UPAZILA DIST. - SHERPUR
19. MD. DELWAR HOSSAIN	ASSTT. ENGINEER	SHERPUR

UNESCO MISSION TO BANGLADESH
PARTICIPANTS AT DHAKA

NAME	DASIGNATION	PLACE OF POSTING.
20. MD. ABDUL HAI,	SUB ASST. ENGI- NEER.	MADARGONJ DIST.-JAMALPUR
21. MD. MUKLESUR RAHMAN,	S. A. E.	NETRAKONA SADAR UPAZILA
22. AHAMMED ALI	ASSISTANT ENGINEER	DIST. - NETRAKONA
23. AKBUR RASHID	S. A. E.	KISHORGONJ SADAR.
24. MD. SALIM ULLAH MUFTI	S. A. E.	DIST. ^{SADAR} MUNSHIGONJ
25. MIRZA ABUL KASEM	SUB. ASST. ENGINEER	SADAR
26. MD. NURUL ISLAM	SUB. ASST. ENGINEER	MYMENSINGH.
27. MD. NAZRUL ISLAM	DRAFTSMAN	TRISHAL, MYMENSINGH.
28. SHAH JAHANGIR ALAH CHOWDHURY	SUB-ASST-ENGINEER	JAMALPUR SADAR.
29. MD. HASHIMAT ALI.	SUB. ASST ENGINEER	NILKY.
30. JAHANGIR IQBAL	SUB-Asstent-Engg. (Elec.)	KISHARGANG. Head office Dhaka.
31. MD. TAFIQUUL ISLAM	SUB-ASSTT. ENGINEER	HEAD OFFICE
32. MD. MOYEN UDDIN	SUB-ASSTT. ENGINEER	DHAKA
33. MD. FAIZUR RAHMAN	ASSISTANT ENGINEER	HEAD OFFICE DHAKA - MYMENSINGH
34. MD. ABDUS SALAM KHAN.	ASSISTANT ENGINEER	DISTRICT. TANGAL DIST.

9.00 LIST OF INFORMATION MATERIAL AND DATA DISTRIBUTED TO PARTICIPANTS

1. Educational Buildings in Cyclone Regions, UNESCO Training School, Manila, UNESCO, 1986. (Volumes 1 & 2).
2. School Buildings for Flooded Areas in Bangladesh, UNESCO, Bangkok, 1988.
3. Typhoon Resistant School Buildings for Vietnam, UNESCO, Bangkok, 1987.
4. Copies of Proposed Wind Code with associated tables and diagrams.

In addition, some 16 volumes of assorted relevant material, from a private collection of K.J. Macks, were displayed for the participant's perusal at leisure.

A video film of the 1974 Cyclone Tracey at Darwin, Australia, was shown and discussed at each venue.



MANPOWER - PRIMARY RESOURCE