

**APPENDIX 4**

**MINUTES OF DISCUSSIONS**

MINUTES OF DISCUSSIONS  
on The Basic Design Study on the Project for Procurement  
of Portable Steel Bridge (Phase II)  
in The People's Republic of Bangladesh

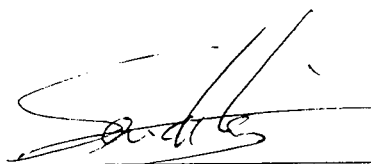
In response to a request from the Government of the People's Republic of Bangladesh (hereinafter referred to as "the Bangladesh"), the Government of Japan decided to conduct the Study on the Project for Procurement of Portable Steel Bridge (Phase II) (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Bangladesh a study team, which is headed by Mr. Senichi Kimura, Additional Resident Representative, JICA Bangladesh Office and is scheduled to stay in the country from September 3rd to October 23th, 1999.

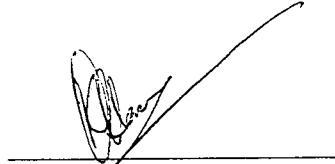
The Team held discussions with the officials concerned of the Government of Bangladesh and conducted a field survey at the study areas.

In the course of discussions and field surveys, both parties confirmed the main items described on the attached sheets. The Team will proceed to further works and prepare the Basic Design Study Interim Report.

Dhaka, September 1999

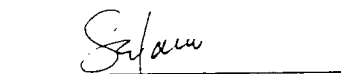


Mr. Senichi Kimura  
Leader  
Basic Design Study Team  
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Mr. Kamrul Hasan  
Deputy Secretary  
Economic Relations Division  
Ministry of Finance

Witness:



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Ministry of LGRD & Cooperatives



Mr. Md. Anwarul Hoque  
Project Director  
LGED

## ATTACHMENT

### 1 . Objective of the Project

The objective of the Project is to improve rural transportation by providing portable steel bridge in rural areas for promoting rural development in Bangladesh. The Project is a part of Flood Rehabilitation Project of Local Government Engineering Department.

### 2 . Project Site

The Project Sites are located in 16 districts in Bangladesh (Project sites map are attached as ANNEX-1). However the final sites of the Project will be decided by the Basic Design Study Team after further studies in Japan.

### 3 . Responsible Ministry and Executing agency

Responsible Ministry : Local Government Division of the Ministry of Local Government Rural Development and Co-operative

Executing Organization : Local Government Engineering Department (LGED)  
(Organization Chart of LGED is shown in ANNEX-2)

### 4 . Items Requested by the Government of Bangladesh

After discussions with the Basic Design Study Team, the following items were requested by the Government of Bangladesh.

To provide steel materials of super - structures necessary for constructing bridges listed in ANNEX-3.

Steel materials consist of :

- Pony Trussed Beam
- Steel Deck
- Torque Wrench
- Erection Tool

However, the final components of the Project will be decided by the Basic Design Study Team after further studies in Japan.

### 5 . Japan's Grant Aid System

- (1) The Government of Bangladesh has understood the system of the Japan's Grant Aid explained by the Team as described in ANNEX-4.
- (2) The Government of Bangladesh will take the necessary measures described in ANNEX-5 for smooth implementation of the Project on condition that the Grant Aid Assistance by the Government of Japan is extended to the Project.

### 6 . Specification of Portable Steel Bridge

#### (1) Design Criteria :

- Type of Bridge : Pony truss type  
Single lane Carriageway
- Design and Loading : AASHTO HS-15 or equivalent
- Span : Maximum 80'0" (24.38m)

- Finishing : Galvanized coating
- (2) Designated Port of Entry  
- Chittagong International Seaport

However, the final specification of the portable steel bridge will be decided after further studies.

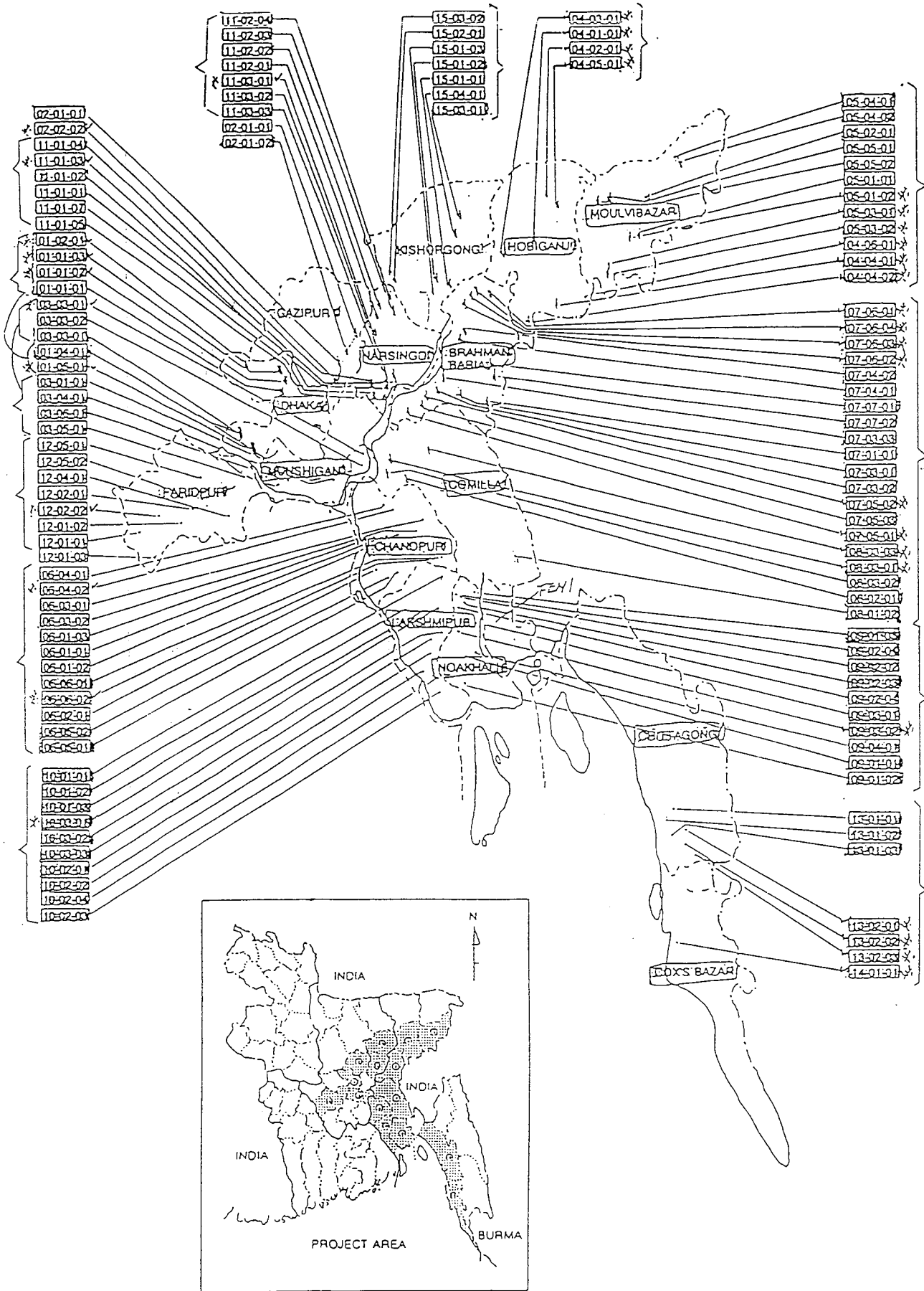
7. Schedule of the Study

- (1) The consultants will proceed to further studies in Bangladesh until October 23th.
- (2) Based on the Minutes of Discussion and field study, JICA will prepare an Interim report and dispatch a team by the end of November in order to explain and confirm the contents, then the team will proceed to the second field study.
- (3) Based on second field study, JICA will prepare a Draft Basic Design Report and dispatch a team in March in order to explain and confirm the contents.
- (4) Upon acceptance of the Draft Basic Design by the Government of Bangladesh, JICA will complete the final report and forward it to the Government of Bangladesh by May 2000.

8. Other Relevant Issues

- (1) Design work of Sub-structures and Construction of whole bridges and connecting roads are responsibilities of the Government of Bangladesh.
- (2) The Government of Bangladesh requested to include the expenses for internal transportation of the products purchased under the Grant Aid from Chittagong International Seaport to the stock yard of LGED (Chittagong, Comila, Gazipur) in the Grant Aid.
- (3) The Government of Bangladesh requested the consulting services for (a) Sub - Structure Designing, (b) Super - Structure Erection Planning, (c) Training of Erection Works for several bridges as one of the components of the Grant Aid.
- (4) The Government of Bangladesh requested to add 3 more bridges to the original request of 120 bridges as attached in ANNEX-6. The change of the request was accepted and the Basic Design Study of the Project shall be conducted on the revised request.

# ANNEX-1 : Project Sites Map



⑨



# ANNEX-3 LIST OF REQUESTED BRIDGES

## DISTRICT:- DHAKA.

| S.L. No. | Bridge Code | District | Thana     | Name/Location of the Scheme                               | Span (m) |
|----------|-------------|----------|-----------|---|----------|
| 01.      | 01-01-01    | Dhaka    | Savar     | Bonogaon-Shangail Road over Shangail Khal, Bonogaon.      | 40       |
| 02.      | 01-01-02    | "        | "         | Konda-Baraid Bridge at Bonogaon U.P.                      | 115      |
| 03.      | 01-01-03    | "        | "         | Kazipara-Bag Bari Bridge at Bonogaon U.P.                 | 45       |
| 04.      | 01-02-01    | "        | Dhamrai   | Bhalum-Bannakhola Bazar Road over Bangshi.                | 105      |
| 05.      | 01-04-01    | "        | Nawabgonj | Alalpur-Bhadra Kanda via Daudpur Road over Isamati River. | 75       |
| 06.      | 01-05-01    | "        | Dohar     | Char Lotakhola Road over Joypara Shahebkhal Khal.         | 65       |

## DISTRICT:- GAZIPUR.

| S.L. No. | Bridge Code | District | Thana    | Name/Location of the Scheme             | Span (m) |
|----------|-------------|----------|----------|---|----------|
| 01.      | 02-01-01    | Gazipur  | Kapasias | Machuaranga (Karihata) to Econia Road.  | 40       |
| 02.      | 02-01-02    | "        | "        | Kapasias to Aral Bazar Road via Econia. | 30       |
| 03.      | 02-02-01    | "        | Kaligonj | Moshair Bazar-Nowapara Road via Putan.  | 20       |
| 04.      | 02-02-02    | "        | "        | Walkhola - Borkow Bazar Road.           | 40       |

## DISTRICT:- MUNSHIGONJ.

| S.L. No. | Bridge Code | District   | Thana         | Name/Location of the Scheme   | Span (m) |
|----------|-------------|------------|---------------|---|----------|
| 01.      | 03-01-01    | Munshigonj | Sadar         | Char Dumuri to Shili & Bangla Bazar connecting Road.                              | 40       |
| 02.      | 03-03-01    | "          | Shiragdhikhan | Kuchiamora-Saidpur-Chitrakut Shaker nagar Road over the Khal near Saidpur School. | 50       |
| 03.      | 03-03-01    | "          | Gazaria       | Baluakandi - Baltola Road national Highway to Bahiakandi U.P.                     | 45       |
| 04.      | 03-03-02    | "          | "             | Bjabercjar - Brac Office to Chauddakani Road.                                     | 60       |
| 05.      | 03-04-01    | "          | Tongibari     | Dorabati to Arial Bazar Road.   | 15       |
| 06.      | 03-05-01    | "          | Lohajang      | Goalimandra Kazir Pagla Khan Bari Road.   | 50       |
| 07.      | 03-06-01    | "          | Sreenagar     | Sreenagar to Kukutia Bajgho Road near Kukutia Bazar.                              | 30       |

**DISTRICT:- HABIGONJ.**

| S.L. No. | Bridge Code | District | Thana             | Name/Location of the Scheme                                    | Span (m) |
|----------|-------------|----------|-------------------|--|----------|
| 01.      | 04-01-01    | Habigonj | Komolgonj<br>Sado | Thana Ghat – Nabigonj Road.                                    | 80       |
| 02.      | 04-02-01    | “        | Madhabpur         | Andinura – Shatiaen Road over Khasty River.                    | 60       |
| 03.      | 04-03-01    | “        | Chunarughat       | Chunarughat – Kalenga Road over Khasty River.                  | 30       |
| 04.      | 04-04-01    | “        | Nabigonj          | Nabigonj-Enatgonj Road to Gumgumia Road on Kargaon River.      | 65       |
| 05.      | 04-04-02    | “        | “                 | Nabigonj – Rudragram Road on Bizna River.                      | 90       |
| 06.      | 04-05-01    | “        | Lakhai            | Lakhai – Habigonj Road to Balavadra Road over Balavadra River. | 50       |
| 07.      | 04-06-01    | “        | Azmirigonj        | Bainna – Khali on Azmirigonj Kakilsee Road.                    | 60       |

**DISTRICT:- MOULVIBAZAR.**

| S.L. No. | Bridge Code | District    | Thana      | Name/Location of the Scheme                                       | Span (m) |
|----------|-------------|-------------|------------|---|----------|
| 01.      | 05-01-01    | Moulvibazar | Komolgonj  | Munshi Bazar – Mirtinga Road over Dhalai River.                   | 75       |
| 02.      | 05-01-02    | “           | “          | Noabazar – Chitre Bazar Road.                                     | 75       |
| 03.      | 05-02-01    | “           | Kulaura    | Nawabgonj Berdkoudi – Vhatera Road.                               | 50       |
| 04.      | 05-03-01    | “           | Sreemangol | Sahidrone – Laharpur Road over Bilash Shada.                      | 45       |
| 05.      | 05-03-02    | “           | “          | Lakhaichar – Ejaragaon Road.                                      | 45       |
| 06.      | 05-04-01    | “           | Barlekha   | Kanango Bazar – Azimgonj Bazar Road.                              | 45       |
| 07.      | 05-04-02    | “           | “          | Kanango Bazar – Azimgonj Bazar Road.                              | 25       |
| 08.      | 05-05-01    | “           | Rajnagar   | West Kadamhata M.P. Bazar – Shamer Vangha Road over Longur River. | 30       |
| 09.      | 05-05-02    | “           | “          | Chowdhury Bazar – Samar Bhangha – Azadher Bazar – Rajnagar Road.  | 25       |



**DISTRICT:- CHANDPUR.**

| S.L. No. | Bridge Code | District | Thana     | Name/Location of the Scheme                           | Span (m) |
|----------|-------------|----------|-----------|---|----------|
| 01.      | 06-01-01    | Chandpur | Sadar     | Wirless Bazar --Shaker Hut Road.                      | 15       |
| 02.      | 06-01-02    | "        | "         | Chota Sundar - Algi Ferry Ghat Road.                  | 25       |
| 03.      | 06-01-03    | "        | "         | Sadar to Lalpur Road                                  | 20       |
| 04.      | 06-02-01    | "        | Faridgonj | Sontoshpur - Horni Durgapur Road over Dakatia River.  | 50       |
| 05.      | 06-03-01    | "        | Kachua    | Kachua - Teguria Road, Sahadebpur U.P.                | 30       |
| 06.      | 06-03-02    | "        | "         | Kadla Bazar - Raghunatpur Bazar Talpai Bazar Road.    | 15       |
| 07.      | 06-04-01    | "        | Matlab    | Matlab - Charmukandi Road.                            | 35       |
| 08.      | 06-04-02    | "        | "         | Gazipur Lunch Ghat - Naburkandi Bazar Road.           | 60       |
| 09.      | 06-05-01    | "        | Haimchar  | West Charkrishnapur - C.I.P. Dam.                     | 30       |
| 10.      | 06-05-02    | "        | "         | K.V.N. School - Maida Vingulia Road.                  | 60       |
| 11.      | 06-06-01    | "        | Shahrasti | Shorshah - Suchipara Road.                            | 20       |
| 12.      | 06-06-02    | "        | "         | Khila Bazar - Chitoshi Bazar Road over Dakatia River. | 120      |

**DISTRICT:- B. BARIA.**

| S.L. No. | Bridge Code | District | Thana        | Name/Location of the Scheme     | Span (m) |
|----------|-------------|----------|--------------|---------------------------------|----------|
| 01.      | 07-01-01    | B.Baria  | Akhaura      | Mogra - Cornel Bazar Road.      | 25       |
| 02.      | 07-03-01    | "        | Nabinagar    | Konaghat - Sreegnar G.C.C Road. | 25       |
| 03.      | 07-03-02    | "        | "            | Mohesh Road (Goali - Rasulpur). | 30       |
| 04.      | 07-03-03    | "        | "            | Nasirnagar-Horipur Road         | 20       |
| 05.      | 07-04-01    | "        | Sarail       | Sarail - Paniswar Road.         | 25       |
| 06.      | 07-04-02    | "        | "            | Sarail Panishar Road.           | 20       |
| 07.      | 07-05-01    | "        | Bancharampur | Bancharampur - Dariarchar Road. | 20       |
| 08.      | 07-05-02    | "        | "            | Joy Nagar - Jibangonj Road.     | 60       |
| 09.      | 07-05-03    | "        | "            | Darikandi - Inamnagar Road.     | 25       |
| 10.      | 07-06-01    | "        | Nasirnagar   | Tilpara - Chatiar Road.         | 50       |
| 11.      | 07-06-02    | "        | "            | Kunda - Balakhal Road.          | 60       |
| 12.      | 07-06-03    | "        | "            | Kunda - Balakhal Road.          | 25       |

**DISTRICT:- B. BARIA.**

| S.L. No. | Bridge Code | District | Thana | Name/Location of the Scheme | Span (m) |
|----------|-------------|----------|-------|-----------------------------|----------|
| 13.      | 07-06-04    | "        | "     | Kunda – Balakhal Road.      | 45       |
| 14       | 07-07-01    | "        | Sadar | Chandura-Singarbil Road     | 15       |
| 15       | 07-07-02    | "        | "     | B-baria-Talshahor Road      | 15       |

**DISTRICT:- COMILLA.**

| S.L. No. | Bridge Code | District | Thana      | Name/Location of the Scheme                      | Span (m) |
|----------|-------------|----------|------------|--|----------|
| 01.      | 08-01-02    | Comilla  | Choddogram | Jangalpur – Bampara Road over old Dacatia River. | 100      |
| 02.      | 08-02-01    | "        | Chandina   | Kutumbopur – Kalirchar Road.                     | 25       |
| 03.      | 08-03-01    | "        | Daudkhandi | Juranpur – Paler Bazar Road.                     | 25       |
| 04.      | 08-03-02    | "        | "          | Juranpur – Paler Bazar Road.                     | 25       |
| 05.      | 08-03-03    | "        | "          | Khanbari Masimpur Road over Ghomoti River .      | 75       |

**DISTRICT:- NOAKHALI.**

| S.L. No. | Bridge Code | District | Thana       | Name/Location of the Scheme                                 | Span (m) |
|----------|-------------|----------|-------------|---|----------|
| 01.      | 09-01-01    | Noakhali | Sadar       | Debipur Khal – Kaladaraf U.P.                               | 45       |
| 02.      | 09-01-02    | "        | "           | Noakhali Khal Sundarpur U.P.                                | 45       |
| 03       | 09-01-03    | Noakhali | Sadar       | Puraton Hospital Road                                       | 16       |
| 04.      | 09-02-01    | "        | Chattkhil   | Athakara – Thanarhat Road over Sankar khal East of Noapara. | 15       |
| 05.      | 09-02-02    | "        | "           | Athakara – Thanarhat Road over Calchama Hashar Khal.        | 15       |
| 06.      | 09-02-03    | "        | "           | Munshi Road at Badalkoat Gram.                              | 15       |
| 07.      | 09-02-04    | "        | "           | Vover Barojee Para Road.                                    | 15       |
| 08.      | 09-03-01    | "        | Companigonj | Char Ealahi Road over Noakhali Khal.                        | 75       |
| 09.      | 09-03-02    | "        | "           | Chowdhury Hat – Meharan nesa Road over Chota Feni River.    | 150      |
| 10.      | 09-04-01    | "        | Begumgonj   | Gopalpur – Norottompur – Chowmuhani College Road.           | 25       |

**DISTRICT:- LAXMIPUR.**

| S.L. No. | Bridge Code | District | Thana   | Name/Location of the Scheme                           | Span (m) |
|----------|-------------|----------|---------|---|----------|
| 01.      | 10-01-01    | Laxmipur | Sadar   | Jakshin – Jugirhat Road.                              | 50       |
| 02.      | 10-01-02    | “        | “       | Hazipara Dasherhat Road.                              | 45       |
| 03.      | 10-01-03    | “        | “       | Chandragonj College Road.                             | 40       |
| 04.      | 10-02-01    | “        | Ramgonj | Daita – Kharighar Road over Gondhebpur Khal.          | 15       |
| 05.      | 10-02-02    | “        | “       | Samitirhat – Alipur Road near Gazibari.               | 15       |
| 06.      | 10-02-03    | “        | “       | Tamta Shripur – Aviraumpur Road over Wapda Khal.      | 20       |
| 07.      | 10-02-04    | “        | “       | Jagatpur – Purba Darvashpur Road in front of Noabari. | 20       |
| 08.      | 10-03-01    | “        | Ramgoti | Tum Char over Bhulua Khal.                            | 45       |
| 09.      | 10-03-02    | “        | “       | Bangla Bazar over Battir Khal.                        | 60       |
| 10.      | 10-03-03    | “        | “       | Bridge near Shantirhat over Musar Khal.               | 25       |

**DISTRICT:- NARSHINGDI.**

| S.L. No. | Bridge Code | District   | Thana     | Name/Location of the Scheme  | Span (m) |
|----------|-------------|------------|-----------|--|----------|
| 01.      | 11-01-01    | Narshingdi | Sadar     | Algi Bazar – Rangpur Bazar Road.                                     | 60       |
| 02.      | 11-01-02    | “          | “         | Kalibari – Khugarchar Road.  | 65       |
| 03.      | 11-01-03    | “          | “         | Balapur Growth Center – Gopaldi Growth Center Road via Megna Bazar.  | 25       |
| 04.      | 11-01-04    | “          | “         | Balapur – Gopaldi Growth Center Road.                                | 20       |
| 05.      | 11-01-05    | “          | “         | Balapur – Gopaldi Growth Center Road.                                | 45       |
| 06.      | 11-01-07    | “          | “         | Balapur Growth Centre – Gopaldi Growth Centre via Megna Bazar.       | 25       |
| 07.      | 11-02-01    | “          | Monohardi | Monohardi Bazar to Aralia Road near Police Station under Sukudi U.P. | 75       |
| 08.      | 11-02-02    | “          | “         | Monohardi – Pauchaboti Road over Gazaria Khal under Lebutola U.P.    | 25       |
| 09.      | 11-02-03    | “          | “         | Sagardi – Birgaon Chowrasta Bazar Road under Khidirpur Union.        | 25       |
| 10.      | 11-02-04    | “          | “         | Monohordi Bagi Bari – Babla Belabo Road.                             | 25       |
| 11.      | 11-03-01    | “          | Shibpur   | At Noadia.   | 75       |
| 12.      | 11-03-02    | “          | “         | At Shibpur.  | 25       |
| 13.      | 11-03-03    | “          | “         | Kararchar – Bhoraterhandi Road.                                      | 50       |

**DISTRICT:- FARIDPUR.**

| S.L. No. | Bridge Code | District | Thana          | Name/Location of the Scheme   | Span (m) |
|----------|-------------|----------|----------------|---|----------|
| 01.      | 12-01-01    | Faridpur | Alfadhanga     | Near Shirgran Bazar at Joydebpur – Bhatpara Road over Barashia River. | 60       |
| 02.      | 12-01-02    | “        | “              | Near Jhatika Bazar – Mahiarghop Bazar Road over Barashia River.       | 60       |
| 03       | 12-01-03    | “        | “              | Alfadanga Bazar-Joybangla Road  | 21       |
| 04.      | 12-02-01    | “        | Boalmari       | Near Chitar Bazar at Argi – Shebandupur Road over Kumar River.        | 110      |
| 05.      | 12-02-02    | “        | “              | Ghatul to Teljuri Road over Kumar River near Teljuri Bazar.           | 75       |
| 06       | 12-03-01    | “        | Nagarkanda     | Talma-Hat krishnopur Road   | 40       |
| 07       | 12-04-01    | “        | Sadarpur       | Sadarpur-Balihati via Chandrapara Road                                | 25       |
| 08       | 12-05-01    | “        | Char Bhadrason | Char Bhadrason-Char Hazigonj Road                                     | 38       |

**DISTRICT:- CHITTAGONG.**

| S.L. No. | Bridge Code | District   | Thana      | Name/Location of the Scheme            | Span (m) |
|----------|-------------|------------|------------|--|----------|
| 01.      | 13-01-01    | Chittagong | Anowara    | Tailar Diwp – Barumchara Road.         | 25       |
| 02.      | 13-01-02    | “          | “          | Kaligazi Road.                         | 40       |
| 03.      | 13-01-03    | “          | “          | Dhanpura Abdul Jalil Chowdhuary Road.  | 20       |
| 04.      | 13-02-01    | “          | Banshkhali | Chunua Kaderia Road.                   | 60       |
| 05.      | 13-02-02    | “          | “          | Chunua – Shekherkhil U.P. Office Road. | 50       |
| 06.      | 13-02-03    | “          | “          | Banshkhali – Taitong Road.             | 50       |

**DISTRICT:- COX'S BAZAR.**

| S.L. No. | Bridge Code | District    | Thana    | Name/Location of the Scheme | Span (m) |
|----------|-------------|-------------|----------|-----------------------------|----------|
| 01.      | 14-01-01    | Cox's Bazar | Chokoria | Baniyachara Road.           | 50       |

DISTRICT:- KISHOREGONJ.

| S.L. No. | Bridge Code | District    | Thana      | Name/Location of the Scheme                                    | Span (m) |
|----------|-------------|-------------|------------|--|----------|
| 01.      | 15-01-01    | Kishoregonj | Kuliarchar | Dumrakanda – Belabo Road at Ch. 100m over Brahmaputra River.   | 110      |
| 02.      | 15-01-02    | “           | “          | Agorpur Bazar – Sararchar Road at Ch. 80 m over Bardal Khal.   | 30       |
| 03.      | 15-01-03    | “           | “          | Agorpur Bazar – Pirozpur Road at Ch. 800m over Bardal Khal.    | 25       |
| 04.      | 15-02-01    | “           | Karimgonj  | Karimgonj – Raguakhali Road at Ch. 40 m over Narasunda River.  | 45       |
| 05.      | 15-03-01    | “           | Bajitpur   | Sharishapur – Maitpur Road at Ch. 1650 m over Tejkhali Khal.   | 25       |
| 06.      | 15-03-02    | “           | “          | Bajitpur – Nunnir Haor Road at Ch. 2024 m over Khadangir Khal. | 90       |
| 07.      | 15-04-01    | “           | Nikli      | Nikli – Helochia Road near Helochi Bazar over Mora River.      | 45       |

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SL. No. (16) District :-MANIKGONJ

| S.L. No. | Bridge Code | District  | Thana     | Name/Location of the Scheme | Span (m) |
|----------|-------------|-----------|-----------|-----------------------------|----------|
| 01.      | 16-01-01    | Manikgonj | Daulatpur | Narchi-Bachamara Road       | 20       |
| 02.      | 16-01-02    | Manikgonj | Daulatpur | Narchi-Bachamara Road       | 30       |
| 03.      | 16-01-03    | Manikgonj | Daulatpur | Narchi-Jeanpur Road         | 50       |

SC

## ANNEX-4 : JAPAN'S GRANT AID SCHEME

### 1. Grant Aid Procedures

1) Japan's Grant Aid Program is executed through the following procedures.

- Application (Request made by the recipient country)
- Study (Basic Design Study conducted by JICA)
- Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet)
- Determination of Implementation (The Note exchanged between the Governments of Japan and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study) using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

### 2. Basic Design Study

1) Contents of the study

The aim of the Basic Design Study (hereafter referred to as "the Study") conducted by JICA on a requested project (hereafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows :

- a) Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- d) Preparation of a basic design of the Project.
- e) Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of the Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

## 2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The selected firm(s) carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA. The consultant firm(s) used for the Study is(are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

## 3. Japan's Grant Aid Scheme

### 1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

### 2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed. However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely, consulting, constructing and procurement firms, are limited to "Japanese nationals." (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

### 5) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.



## 6) Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

- (1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- (3) To secure buildings prior to the procurement in case the installation of the equipment.
- (4) To ensure all the expenses and prompt excursion for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- (5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.

## 7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

## 8) "Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

## 9) Banking Arrangements (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

## ANNEX-5 : UNDERTAKINGS REQUIRED OF THE GOVERNMENT OF BANGLADESH

Necessary measures to be taken by the Government of Bangladesh on condition that the Grant Aid by the Government of Japan is extended to the Project.

- 1 To provide data and information necessary for the Project.
- 2 To secure the land necessary for the execution of the Project, such as the land for bridges, temporary offices, working areas, storage yards and others.
- 3 To clear the sites.
- 4 To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- 5 To make passable all roads and bridges leading to the Project sites before the commencement of inland transportation of materials and equipment.
- 6 To demolish existing bridges according to the construction schedule which will be provided in the later stage.
- 7 To bear the following commissions to a bank of Japan for the banking services based upon the B/A
  - 1) Advising commission of A/P
  - 2) Payment commission
- 8 To ensure all the expenses and prompt excursion for unloading, customs clearance at the port of disembarkation in Bangladesh and internal transportation of the products purchased under the Grant Aid.
- 9 To allocate the necessary budget to meet the cost of design and construction works of all projected portable bridges.
- 10 To construct all projected portable bridges within the period of two years after delivery of steel materials purchased under the verified contracts.
- 11 To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.
- 12 To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- 13 To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid.
- 14 To provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary.
- 15 To coordinate and solve any issues related to the Project which may be raised from third parties or inhabitants in the Project area during implementation of the Project.
- 16 To bear all the expenses other than those covered by the Grant Aid, necessary for the Project.

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**Government of the People's Republic of Bangladesh**  
**Local Government Engineering Department**  
**LGED Bhaban, Agargaon**  
**Sher-E-Bangla Nagar**  
**Dhaka-1207.**

Memo No.-LGED/Addl.CE/B-182/99/09

Date : 08-09-99

To

Mr. Senichi Kimura  
Leader  
Basic Design Study Team  
JICA.

**Sub : Inclusion of three more bridges in addition to list of sites proposed for Portable Steel Bridge under Japan's Grant Aid Program**

Dear Sir,

In reference to the above subject enclosed kindly find herewith the list of three more sites in addition to 120 sites proposed for Portable Steel Bridge. It may be mentioned here that the previous list was prepared earlier when details of these three bridges sites were not available and as such it could not be included in the original list.

You are therefore, requested to conduct site visit survey etc work also for these addition three bridge sites.

Thanking you.



(Md. Shahidul Hassan)  
Additional Chief Engineer



SL. No. (16) District :-MANIKGONJ

| S.L. No. | Bridge Code | District  | Thana     | Name/Location of the Scheme | Span (m) |
|----------|-------------|-----------|-----------|-----------------------------|----------|
| 01.      | 16-01-01    | Manikgonj | Daulatpur | Narchi-Bachamara Road       | 20       |
| 02.      | 16-01-02    | Manikgonj | Daulatpur | Narchi-Bachamara Road       | 30       |
| 03.      | 16-01-03    | Manikgonj | Daulatpur | Narchi-Jeanpur Road         | 50       |

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