

Figure.3.4 Government Organization

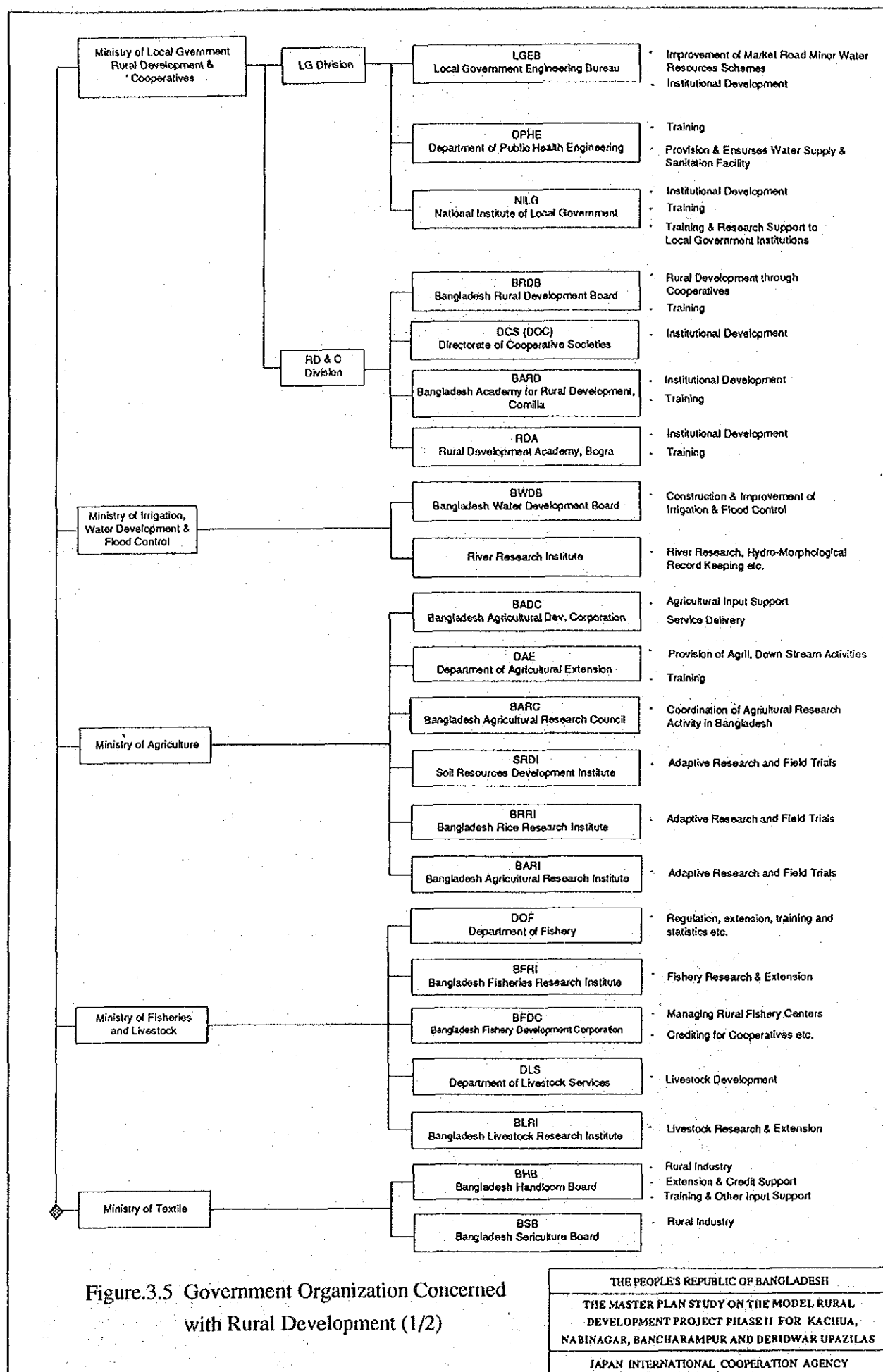
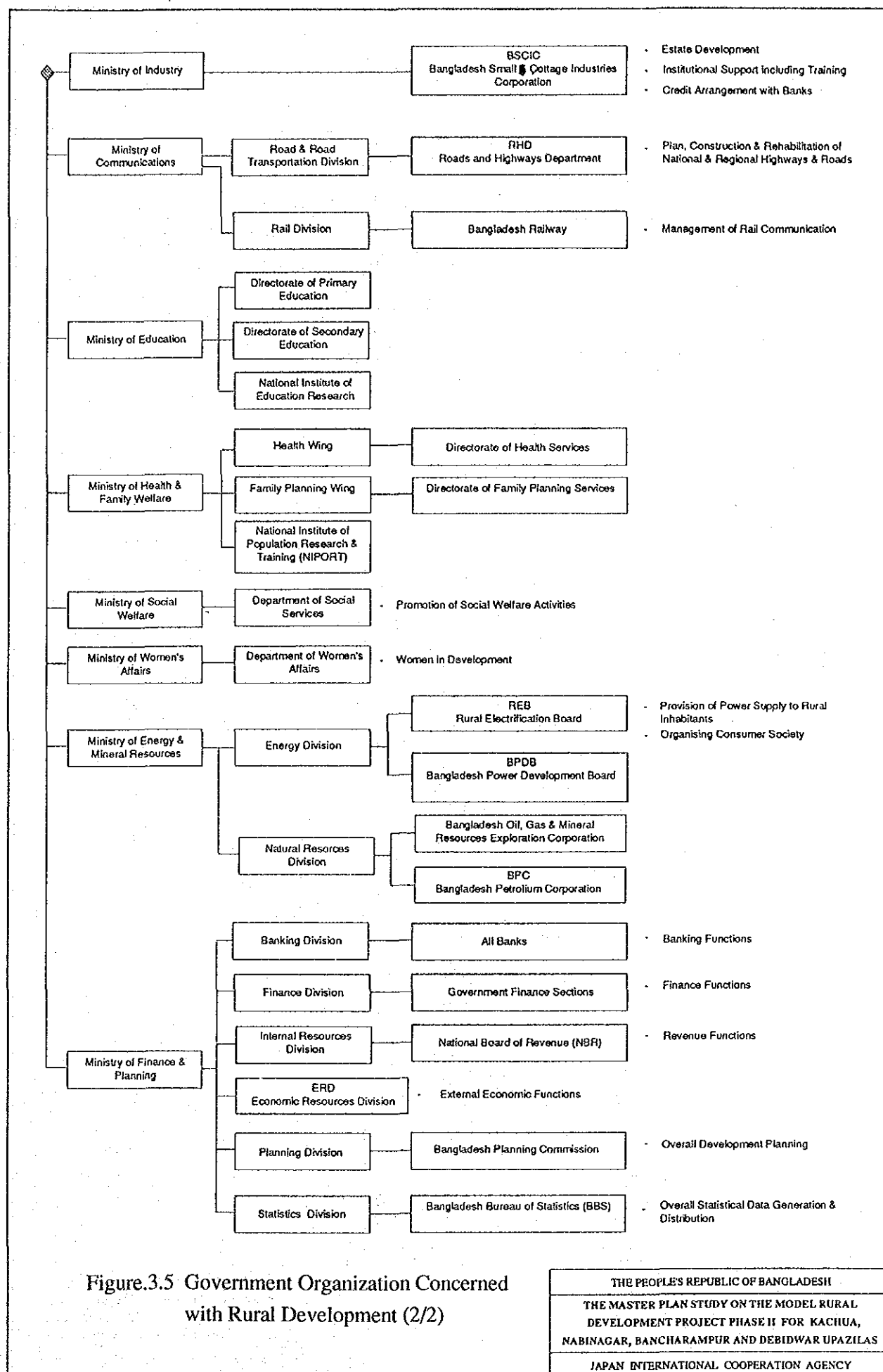


Figure.3.5 Government Organization Concerned with Rural Development (1/2)

THE PEOPLE'S REPUBLIC OF BANGLADESH
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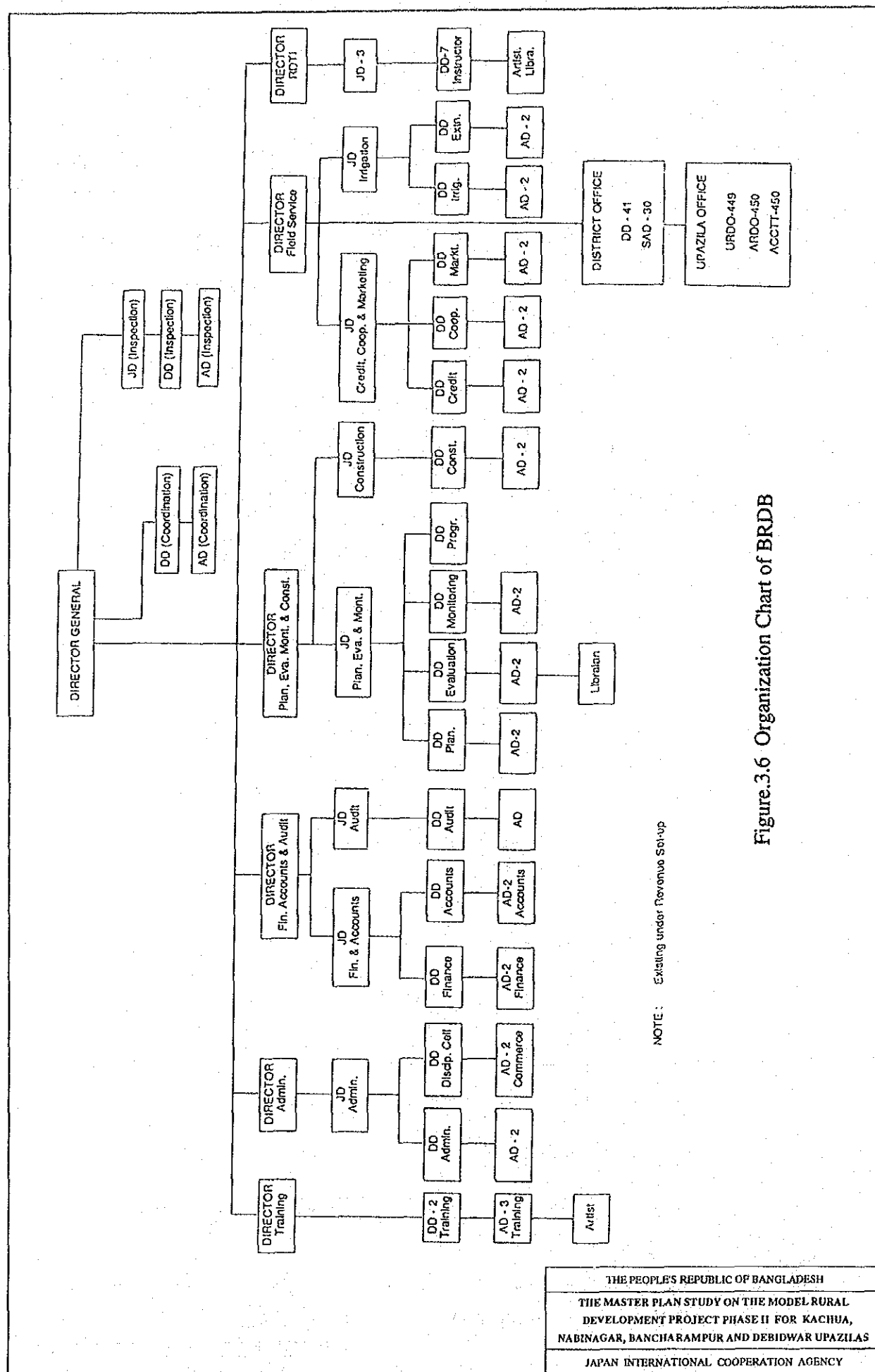


Figure.3.6 Organization Chart of BRDB

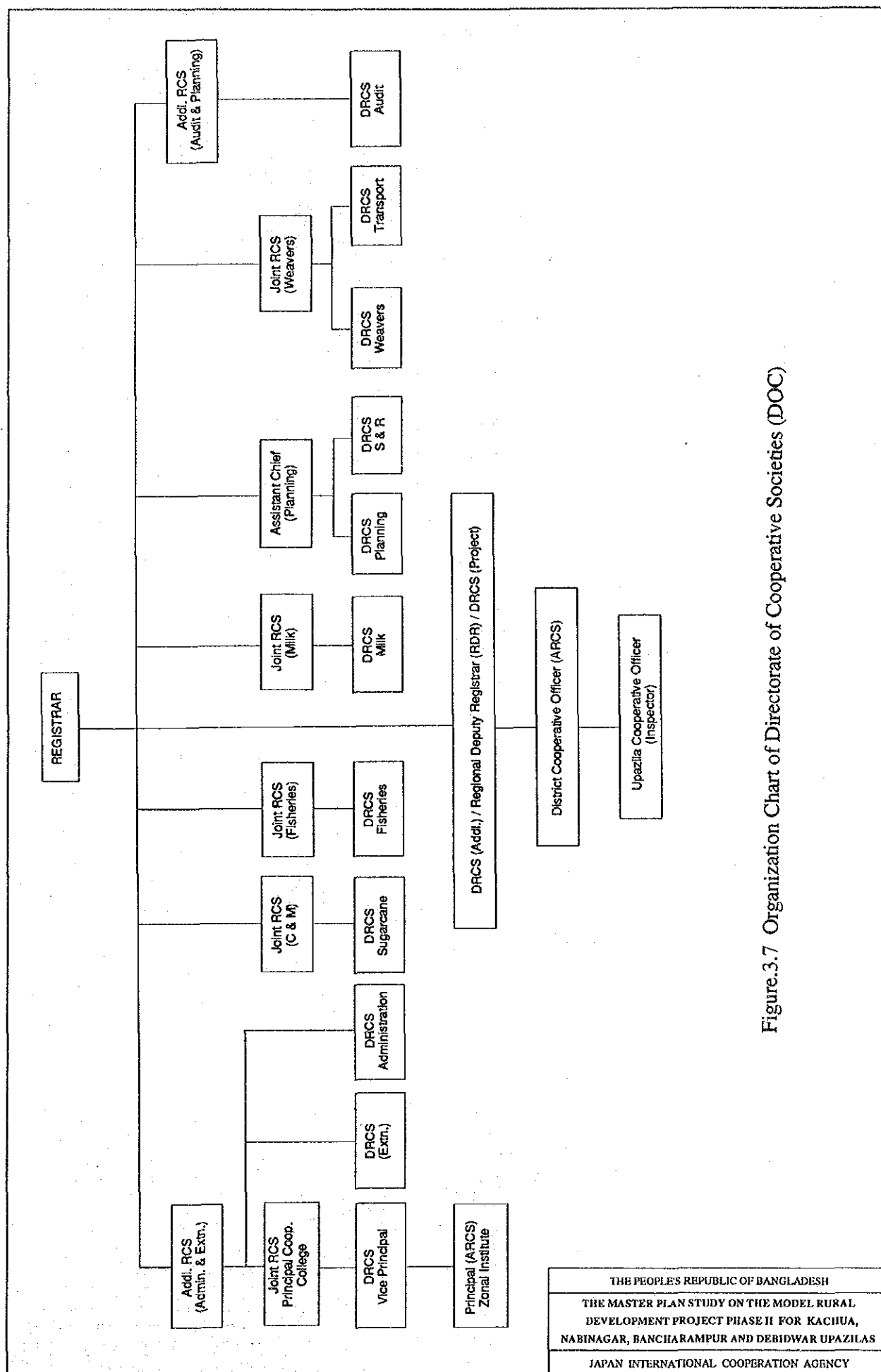


Figure.3.7 Organization Chart of Directorate of Cooperative Societies (DOC)

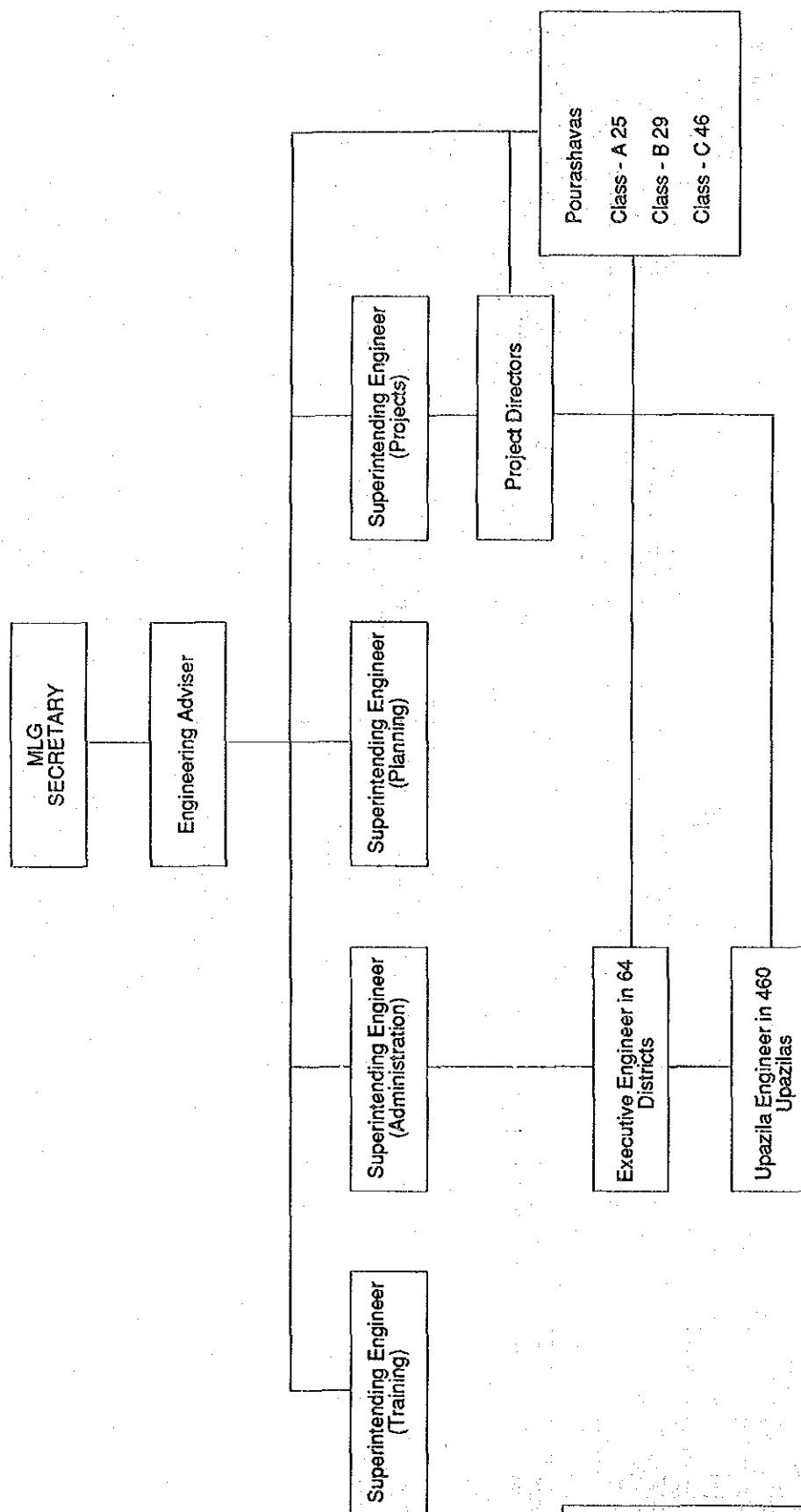


Figure.3.8 Organization Chart of LGEB

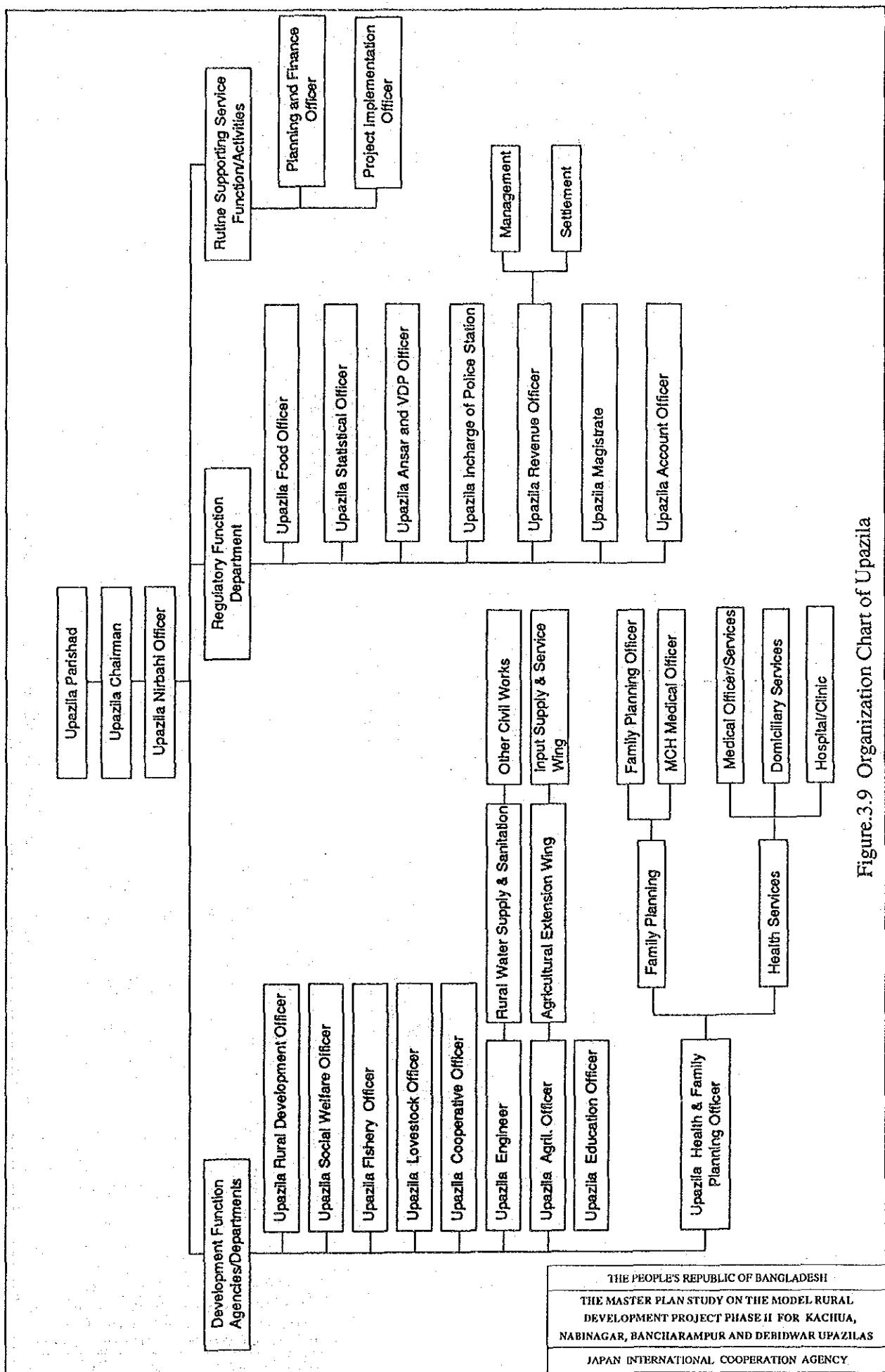


Figure.3.9 Organization Chart of Upazila

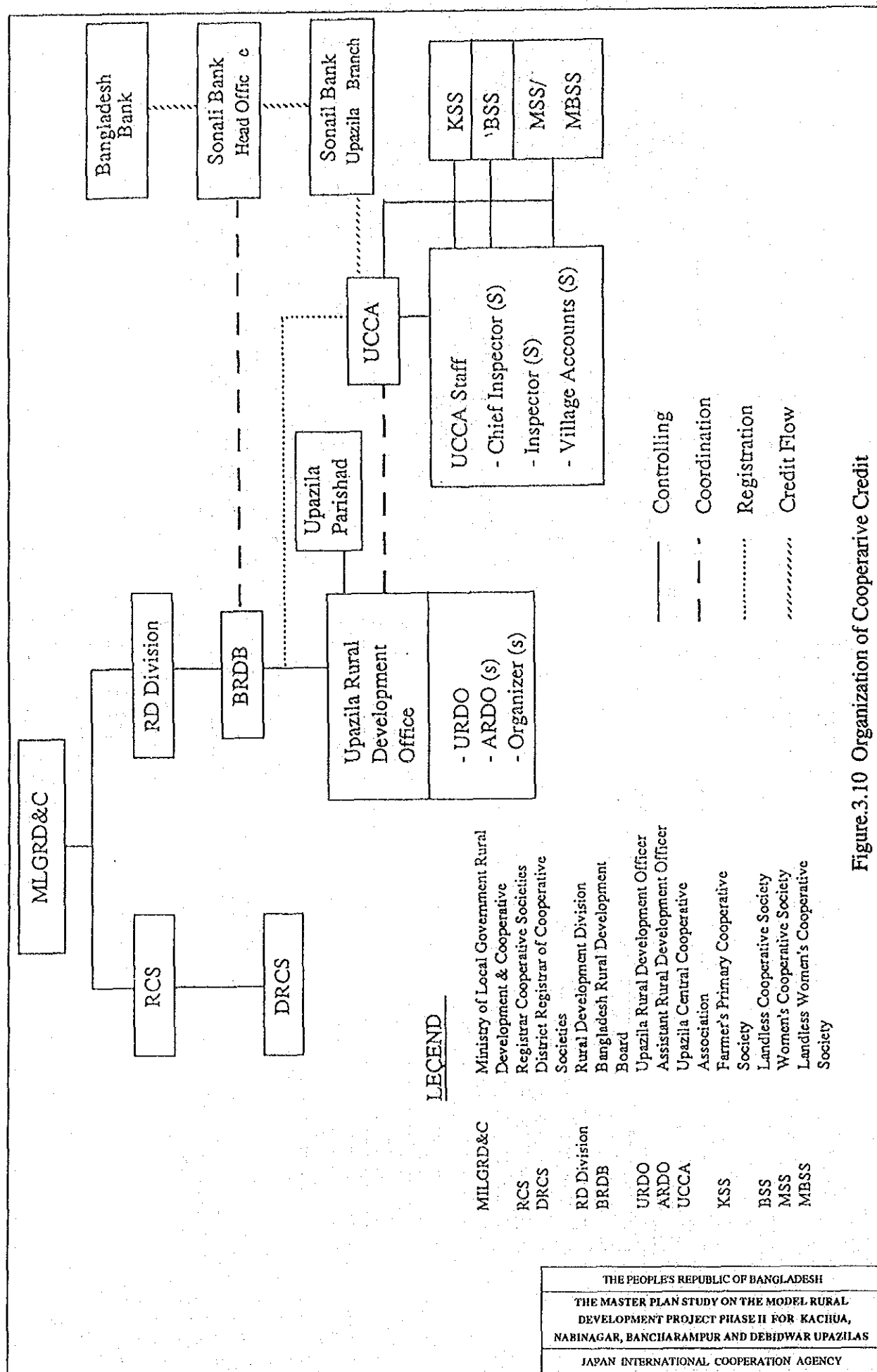


Figure.3.10 Organization of Cooperative Credit

Primary &
Secondary
Markets
(Upazila)

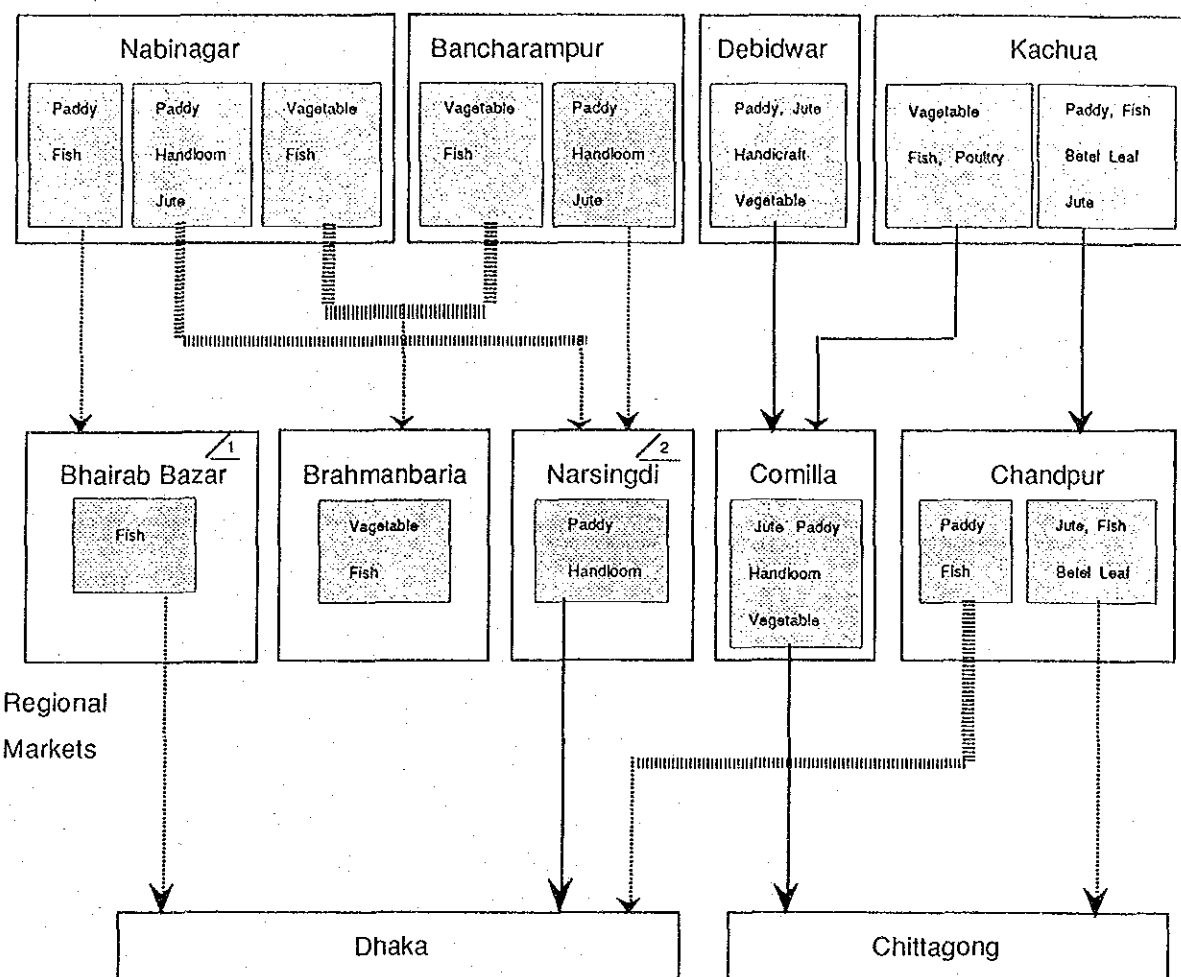


Figure.3.11 Marketing Linkages between Study Areas and Terminal Markets

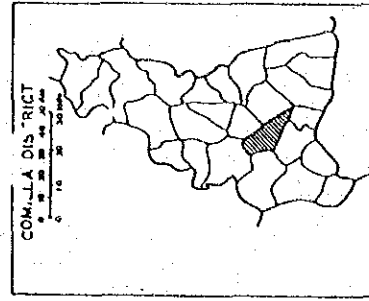
UPAZILA: KACHUA

Meters 1000 0 1000 2000 3000 meters
SCALE



LEGEND

- Upazila Boundary
- Union Boundary
- River & Khel
- Upazila H.Q.
- Union H.Q.
- Feeder Road (Type 'B')
- Feeder Road (Type 'A')
- RHD Road
- Rural Road



LOCAL MARKET

GROWTH CENTRE	HAT
G1: Rahima Nagar	H1: Moshigacha
G2: Kachua	H2: Moshigacha
G3: Sachar	H3: Jagatpur
G4: Palo Khel	H4: Newpura
	H5: Kadra Moya
	H6: Chermahani
	H7: Raghunathpur
	H8: Ujail
	H9: Khidda
	H10: Sigadda
	H11: Dorbanaganj
	H12: Nalua
	H13: Bayel
	H14: Sonel
	H15: Ragdail
	H16: Madhupur
	H17: Bakshoganj
	H18: Alara
	H19: Fatahpur
	H20: Tugol

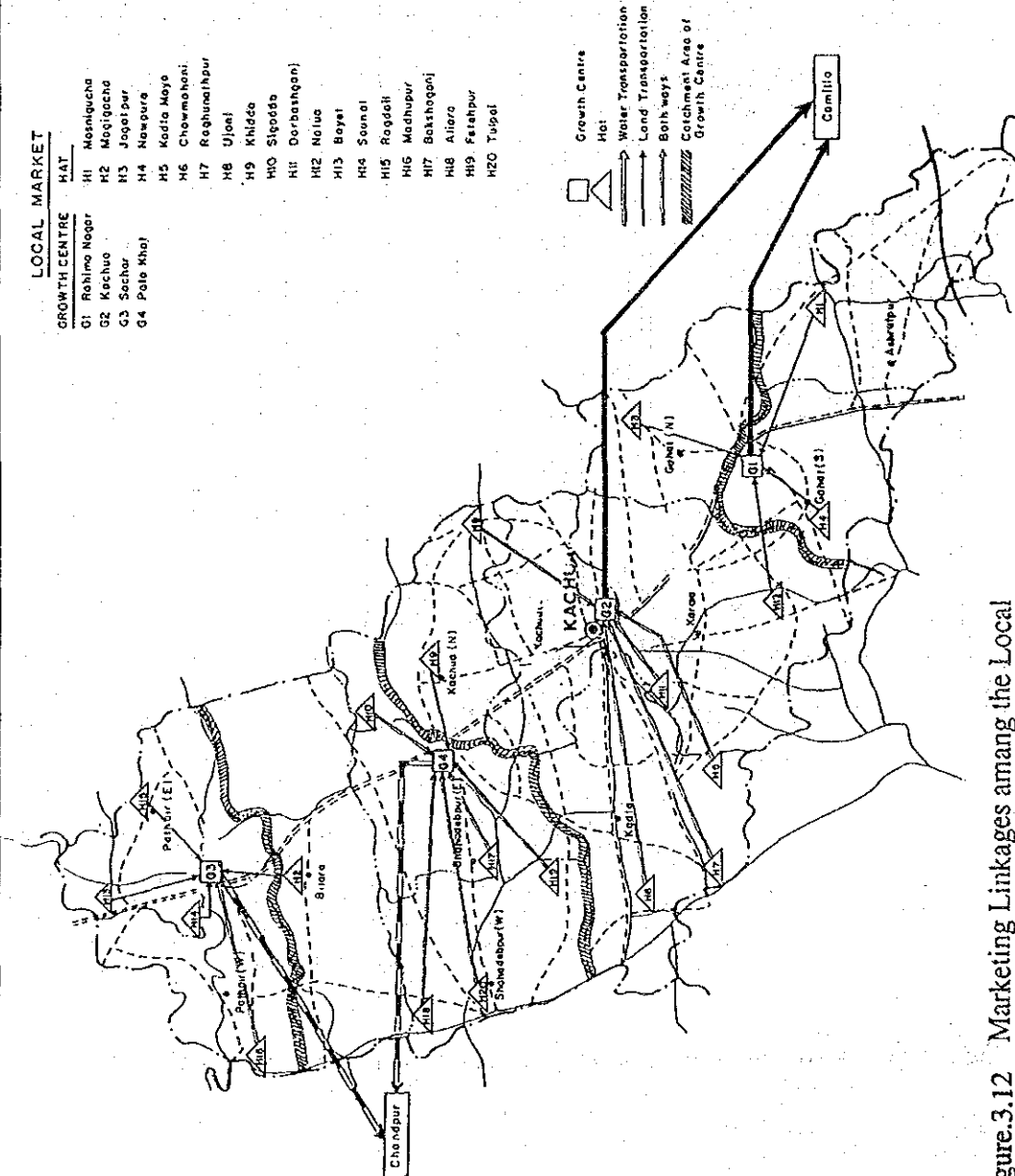


Figure 3.12 Marketing Linkages among the Local Markets in the Study Area (1/4)
- Kachua -

THE PEOPLE'S REPUBLIC OF BANGLADESH

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UPAZILA NABINAGAR

Metre 1000 500 0 1000 2000 3000 Metre
SCALE



LEGEND

Upazila Boundary
Union Boundary
River & Khal
Upazila H.O.
Union H.C.
Feeder Road (Type 'B')
RHD Road
Rural Road

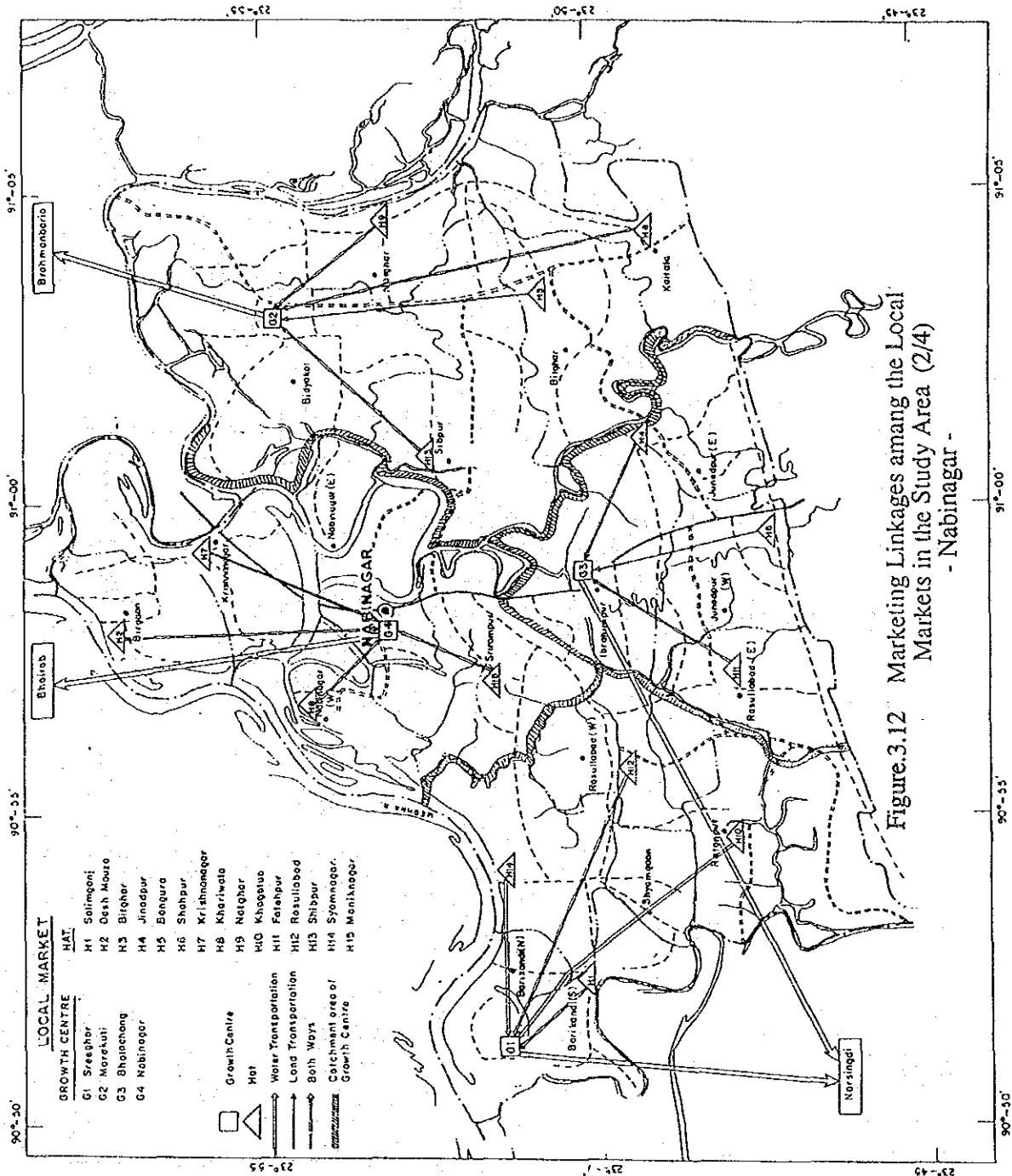
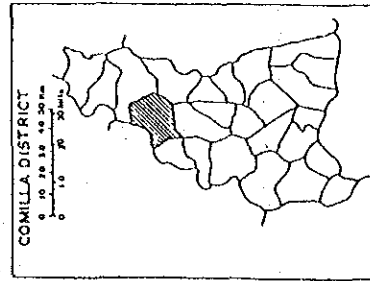
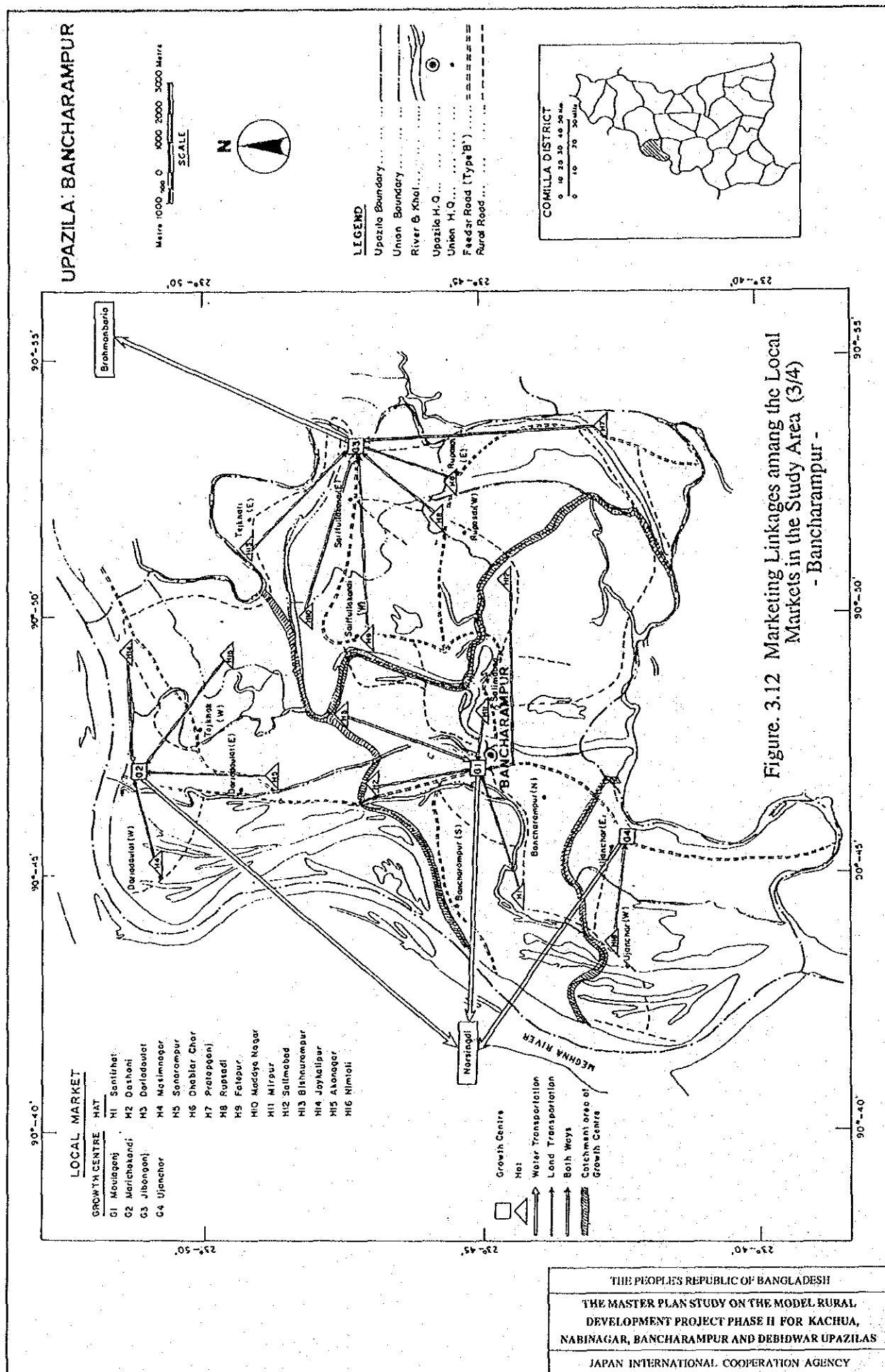


Figure.3.12 Marketing Linkages among the Local Markets in the Study Area (2/4) - Nabinagar -

THE PEOPLE'S REPUBLIC OF BANGLADESH
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UPAZILA : DEBIDWAR

Main 1000 0 1000 2000 3000 Meters
SCALE



LEGEND

Upazila Boundary...
Union Boundary...
River & Khal...
Upazila H.Q...
Union H.Q...
Feeder Road ('Type B')...
R.H.O. Road...
Rural Road...

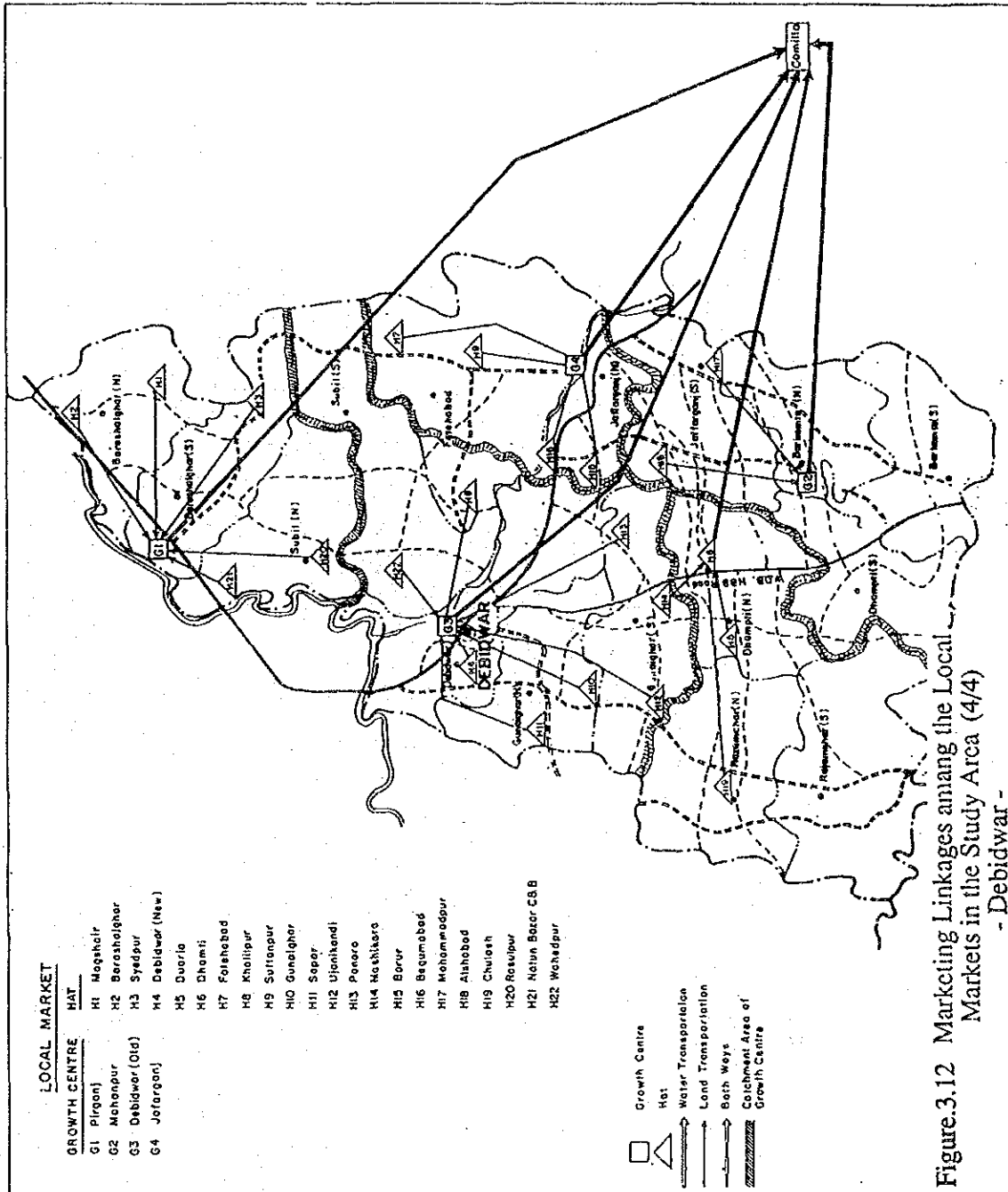
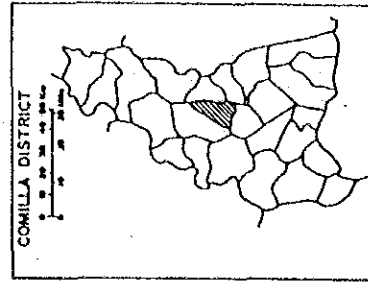
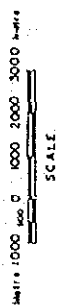


Figure 3.12 Marketing Linkages among the Local Markets in the Study Area (4/4)
- Debidwar -

UPAZILA KACHUA



LEGEND

- Upazila Boundary
- Union Boundary
- River & Khai
- Upazila H.Q.
- Union H.Q.
- Feeder Road (Type 'B')
- Feeder Road (Type 'A')
- RHD Road
- Rural Road

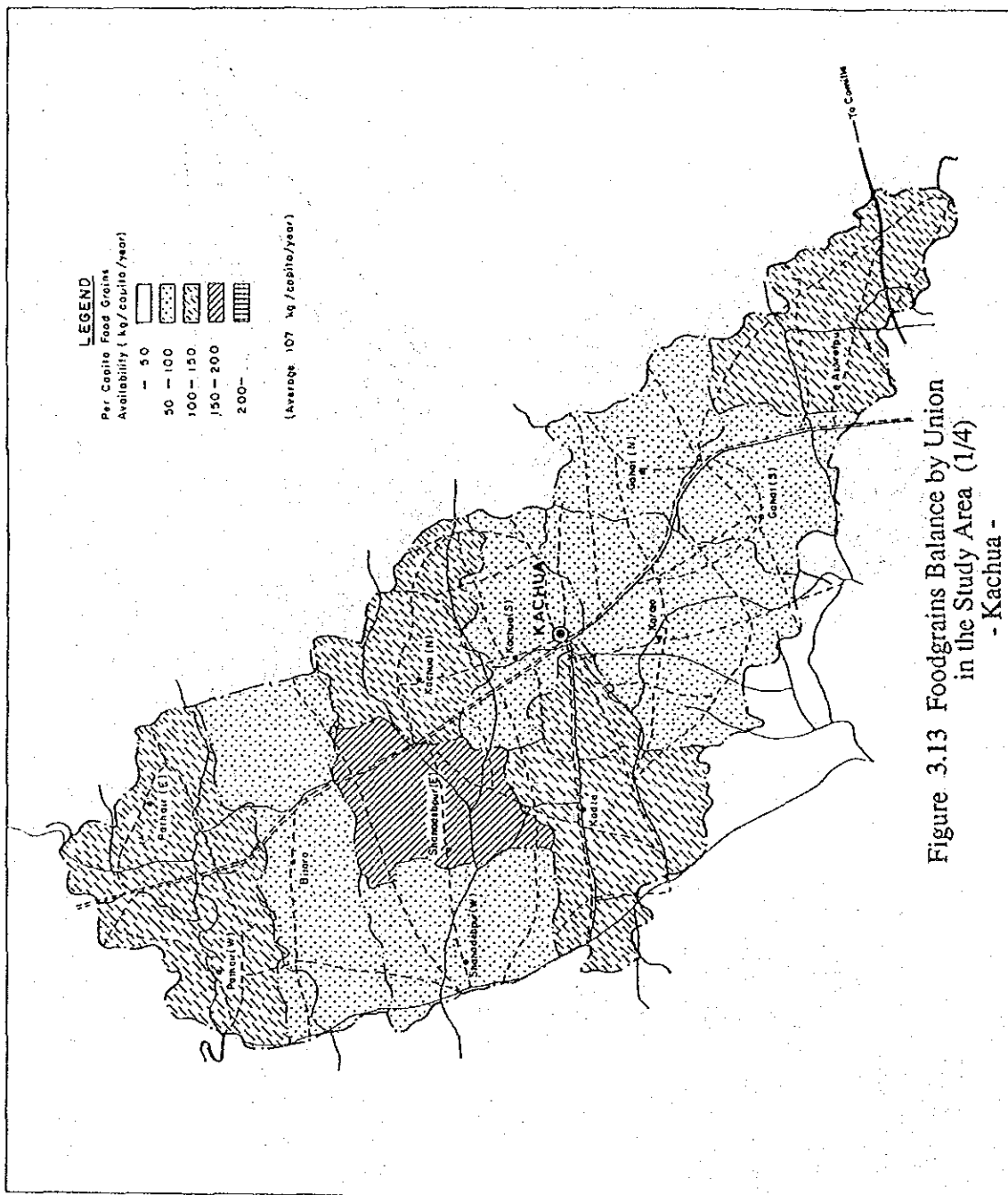
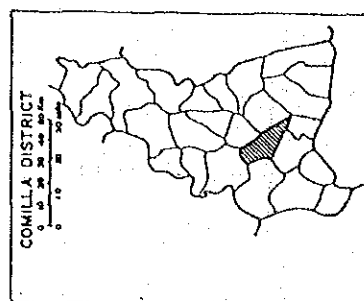


Figure 3.13 Foodgrains Balance by Union
in the Study Area (1/4)
- Kachua -

THE PEOPLE'S REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
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UPAZILA NABINAGAR

Metre 1000 200 0 1000 2000 3000 Metre
SCALE



LEGEND

- Upazila Boundary...
- Union Boundary...
- River & Khali...
- Upazila H.O.
- Union H.Q.
- Feeder Road (Type 'B')
- RHD Road
- Rural Road

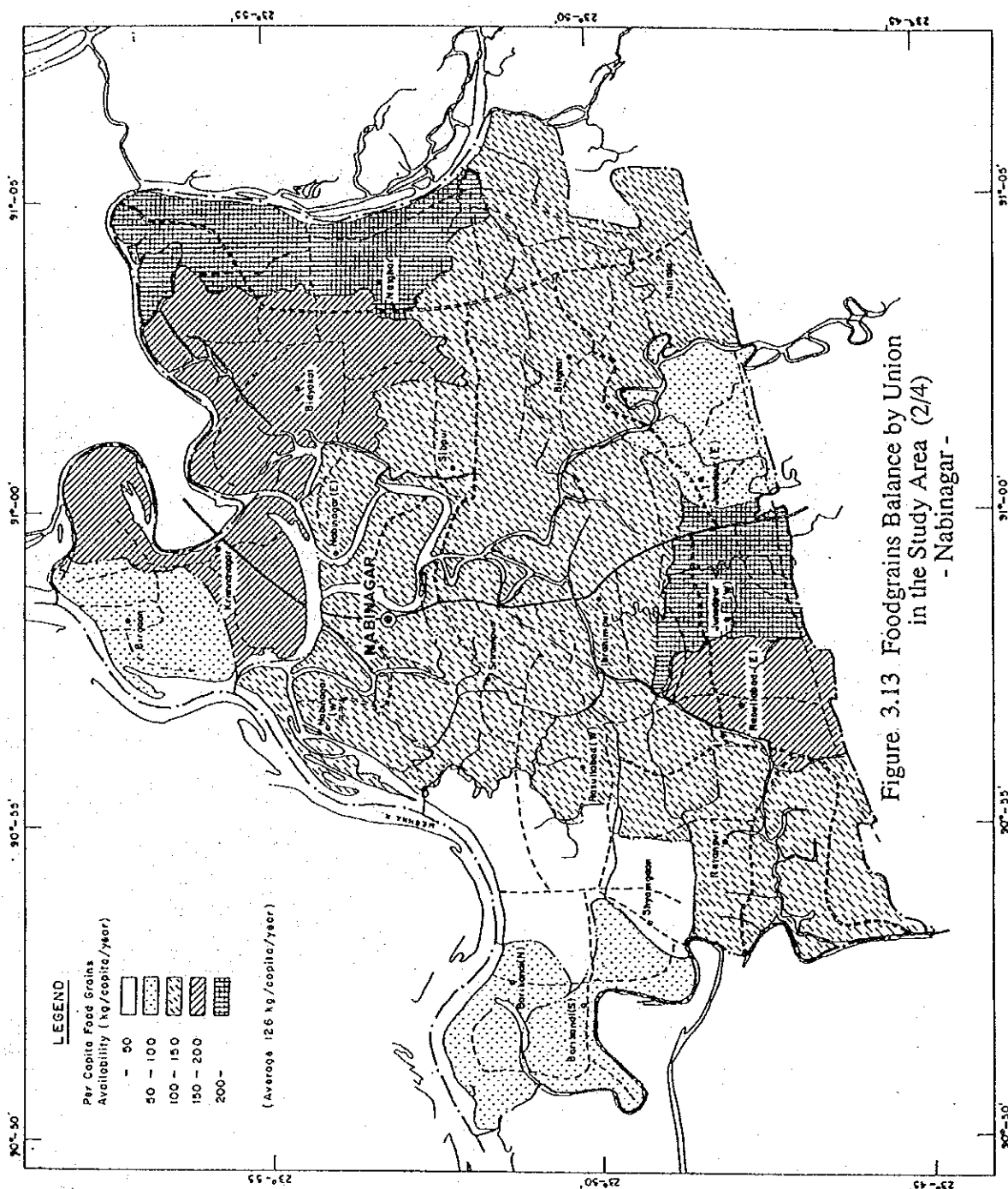
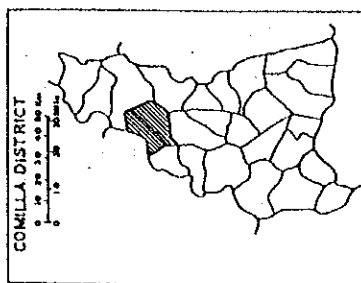
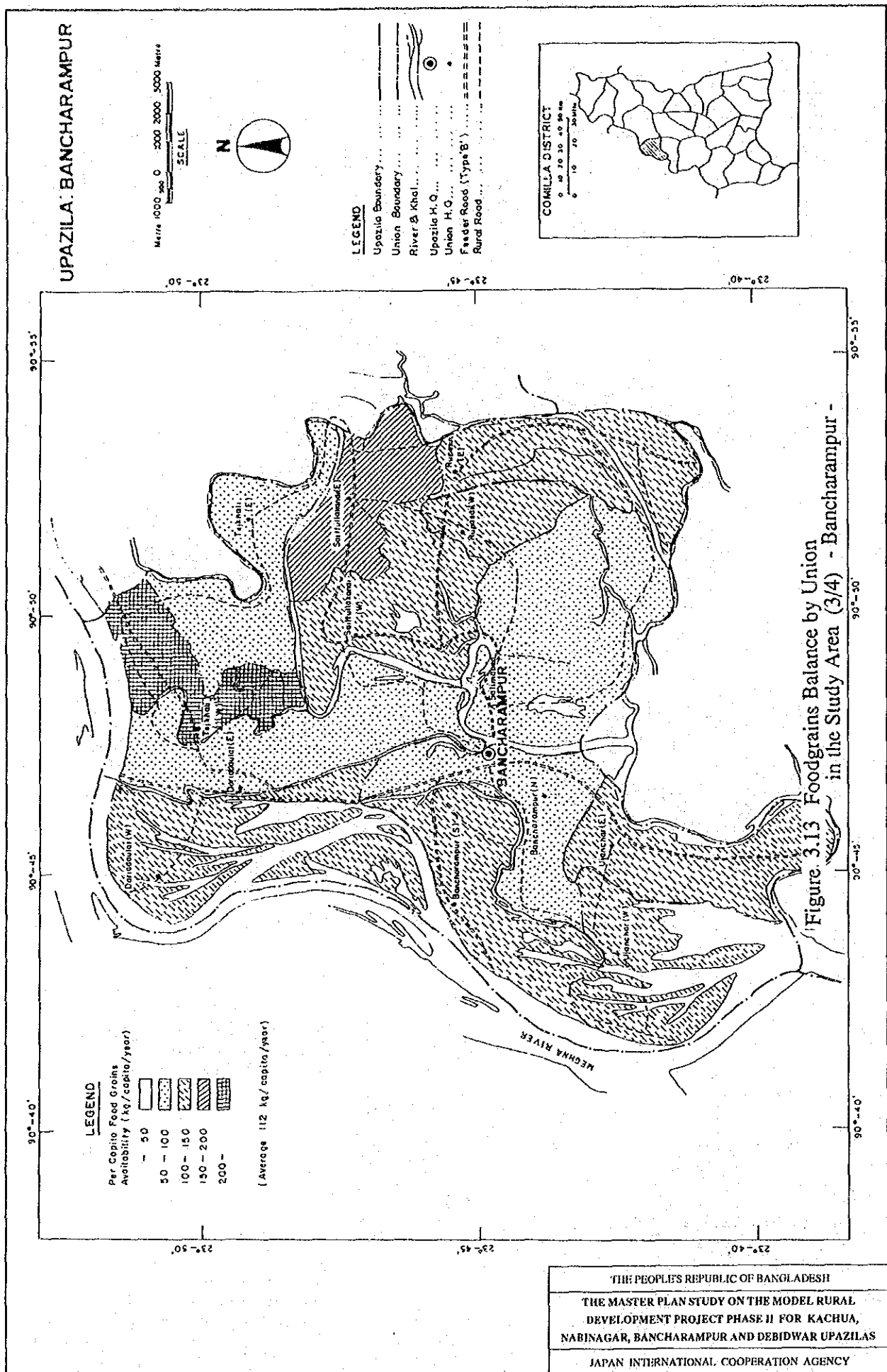


Figure 3.13 Foodgrains Balance by Union
in the Study Area (2/4)
- Nabinagar -

THE PEOPLE'S REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL
DEVELOPMENT PROJECT PHASE II FOR KACHUA,
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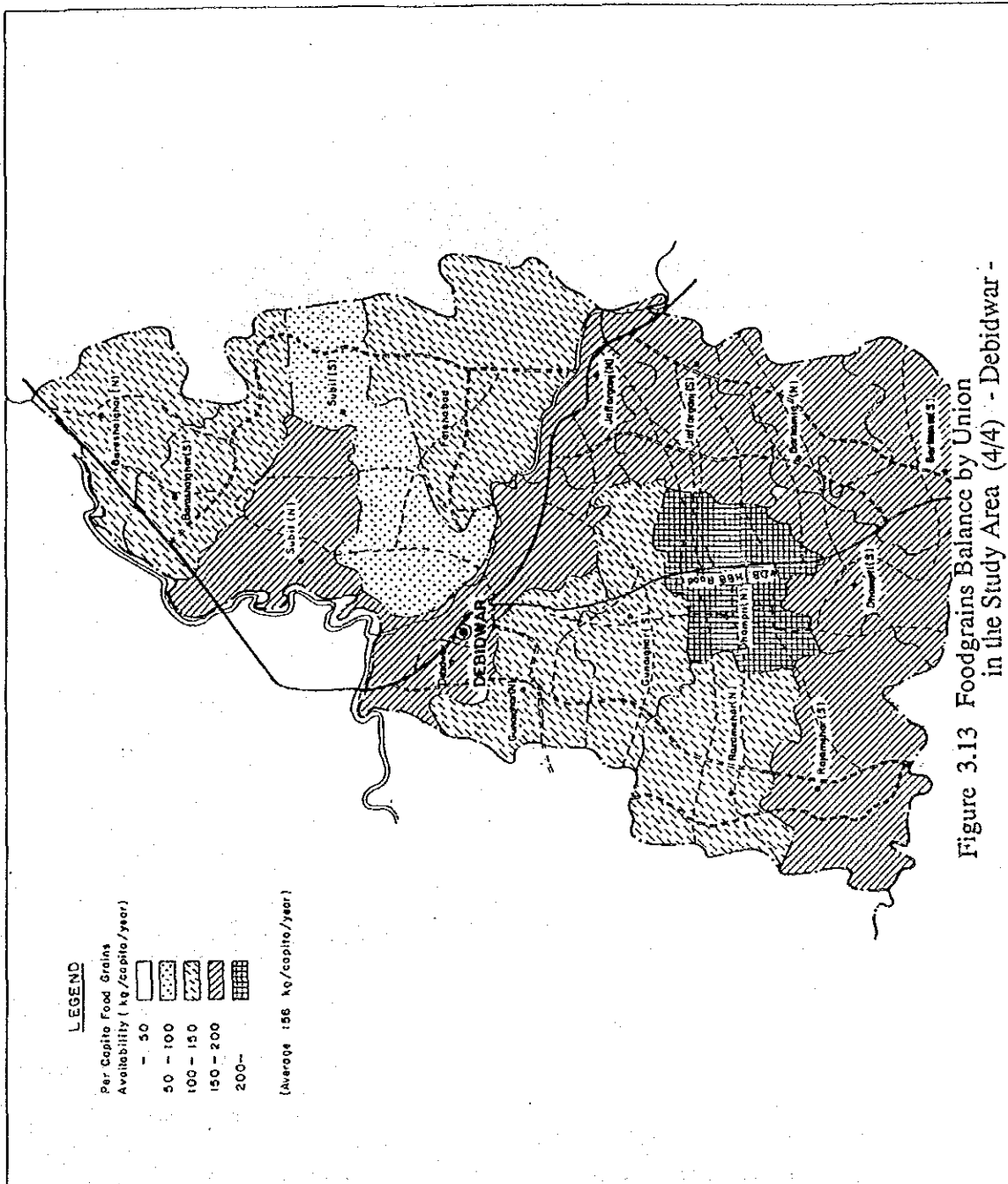
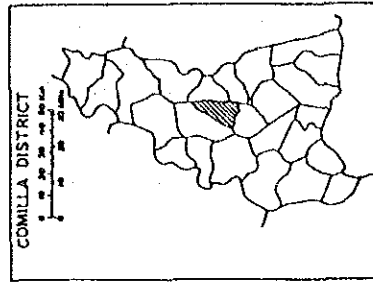
UPAZILA : DEBIDWAR

Metre 1000 0 1000 2000 3000 Metre
SCALE



LEGEND

- Upazila Boundary...
- Union Boundary...
- River & Khal...
- Upazila H.O. ...
- Union H.O. ...
- Feeder Road (Type 'B')...
- P.H.O. Road...
- Rural Road...



LEGEND

Per Capita Food Grains
Availability (kg/capita/year)

- 50

50 - 100

100 - 150

150 - 200

200 -

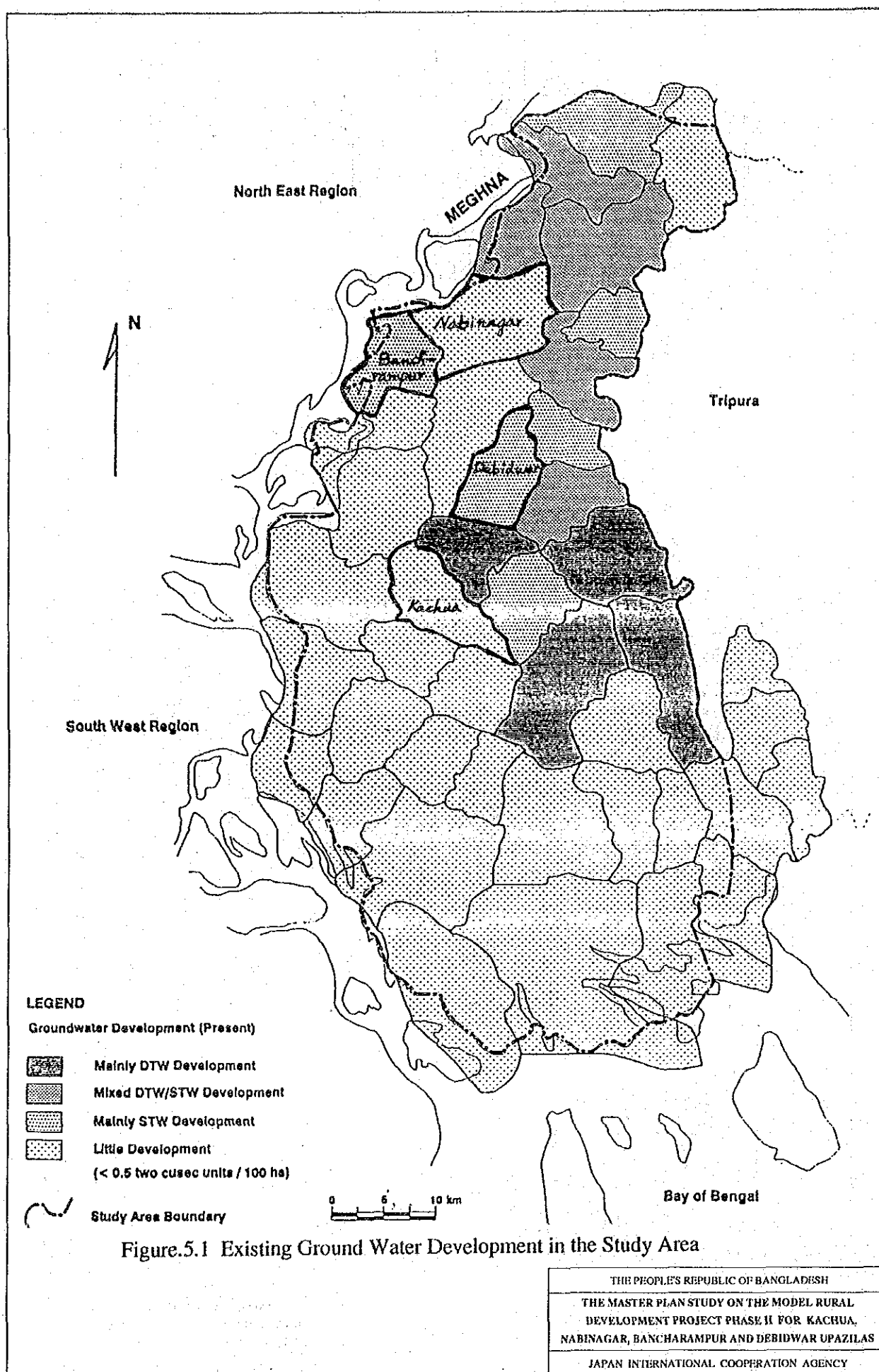
(Average : 56 kg/capita/year)

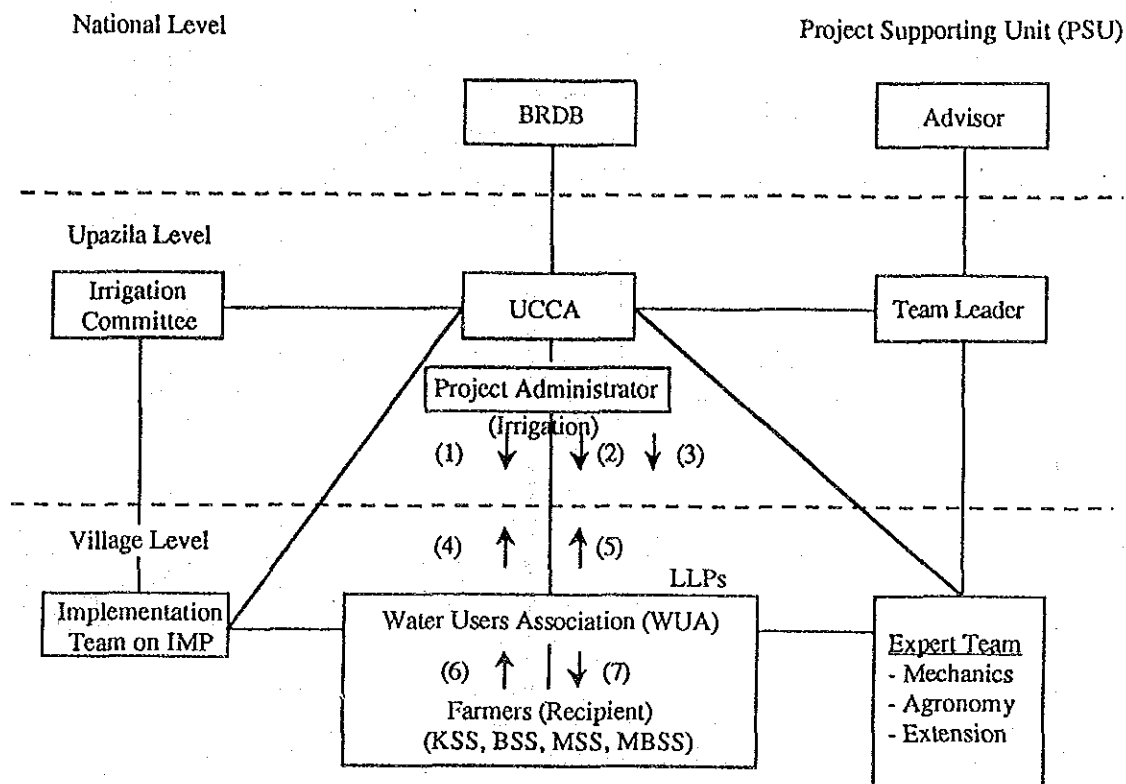
Figure 3.13 Foodgrains Balance by Union
in the Study Area (4/4) - Debidwar -

THE PEOPLE'S REPUBLIC OF BANGLADESH

THE MASTER PLAN STUDY ON THE MODEL RURAL
DEVELOPMENT PROJECT PHASE II FOR KACHUA,
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JAPAN INTERNATIONAL COOPERATION AGENCY





- (1) Guidance
- (2) Training
- (3) Operation Schedule
- (4) Rental Charge of LLPs
- (5) Spare Parts & Repair Charge
- (6) Water Charge
- (7) Wage (Construction & Maintenance of distribution Canal)

Figure.5.2 Work Flow of LLPs and FPs Project

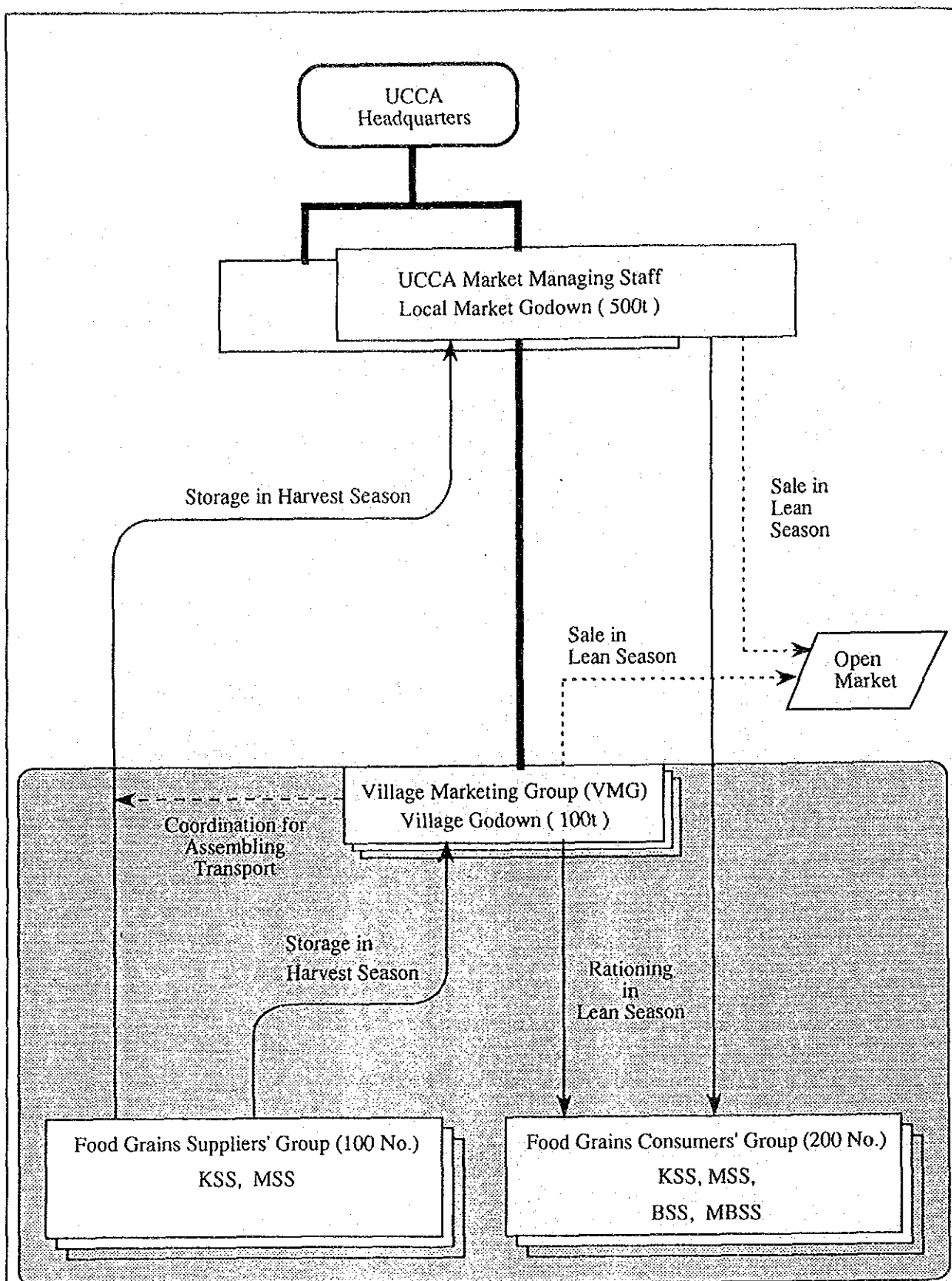
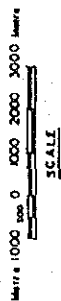


Figure.5.3 Organization for Upazila Food Grains Market System

THE PEOPLE'S REPUBLIC OF BANGLADESH
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JAPAN INTERNATIONAL COOPERATION AGENCY

UPAZILA: KACHUA



LEGEND

- Upazila Boundary...
- Union Boundary...
- River & Khel...
- Upazila H.Q...
- Union H.Q...
- Feeder Road (Type 'B')...
- Feeder Road (Type 'A')...
- RHD Road...
- Rural Road...

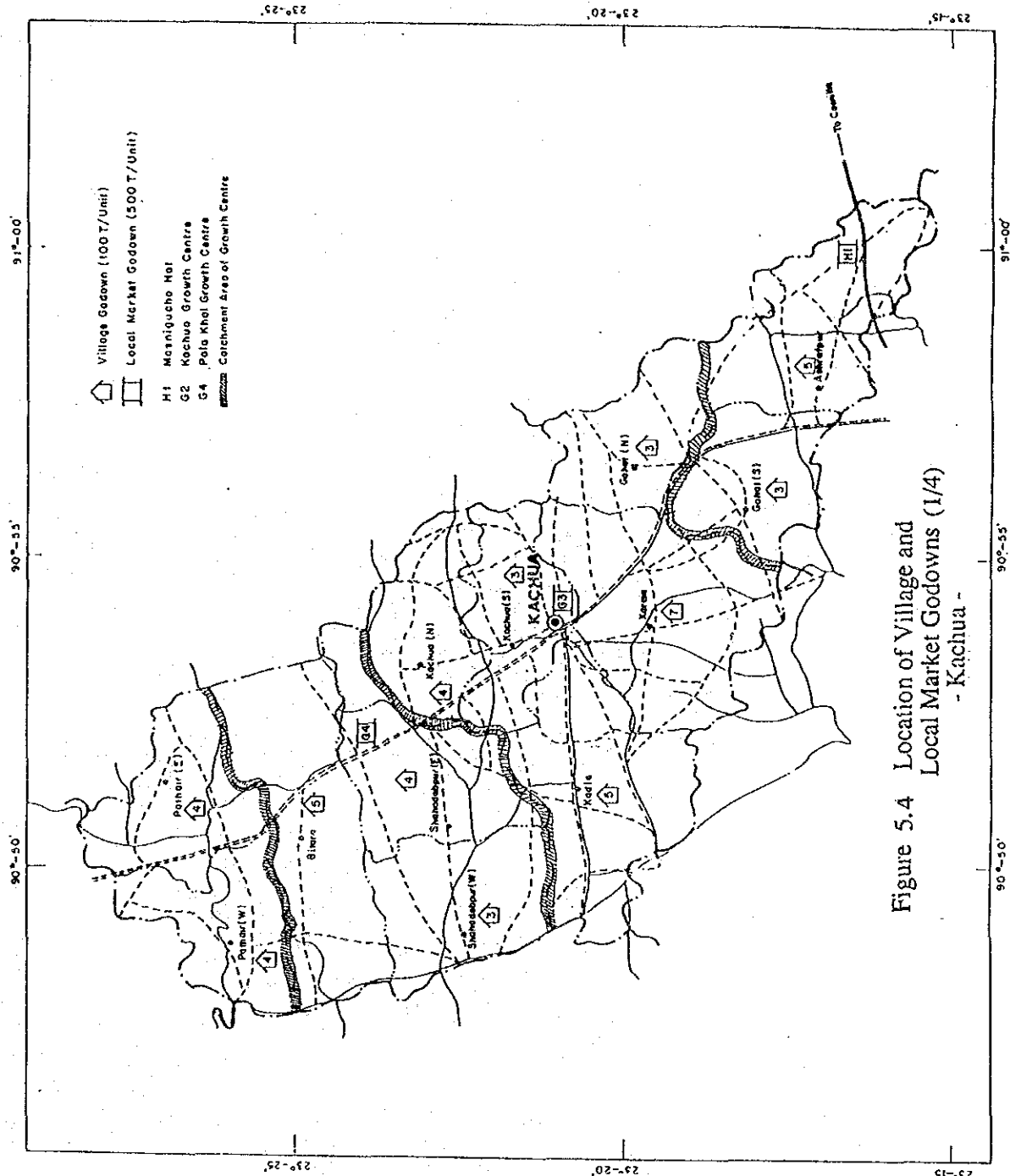
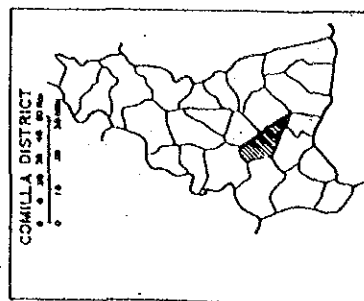
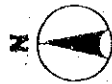


Figure 5.4 Location of Village and Local Market Godowns (1/4) - Kachua -

THE PEOPLES REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
JAPAN INTERNATIONAL COOPERATION AGENCY

UPAZILA NABINAGAR

Metre 1000 0 1000 2000 3000 Metre
SCALE



LEGEND

- Upazila Boundary
- Union Boundary
- River & Khal
- Upazila H.Q.
- Union H.Q.
- Feeder Road (Type 'B')
- R.M.D. Road
- Rural Road

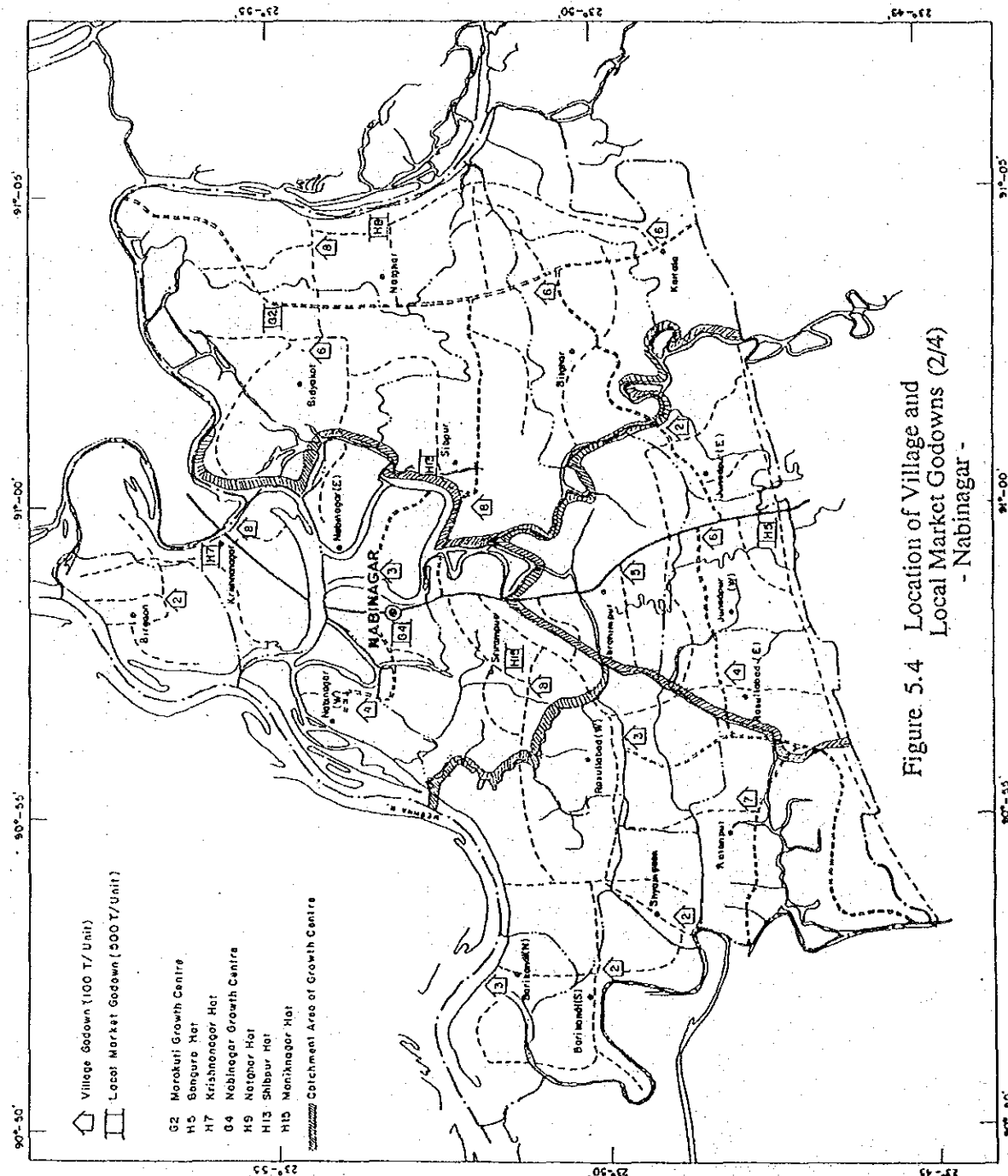
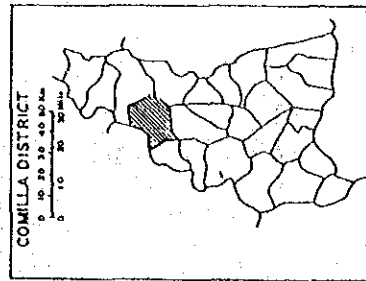


Figure 5.4 Location of Village and Local Market Godowns (2/4)
- Nabinagar -

THE PEOPLE'S REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
JAPAN INTERNATIONAL COOPERATION AGENCY

UPAZILA: BANCHARAMPUR

Metre 1000 500 0 1000 2000 3000 Metre
SCALE



LEGEND

- Upazila Boundary
- Union Boundary
- River & Khal
- Upazila H.Q.
- Union H.Q.
- Feeder Road (Type B)
- Rural Road

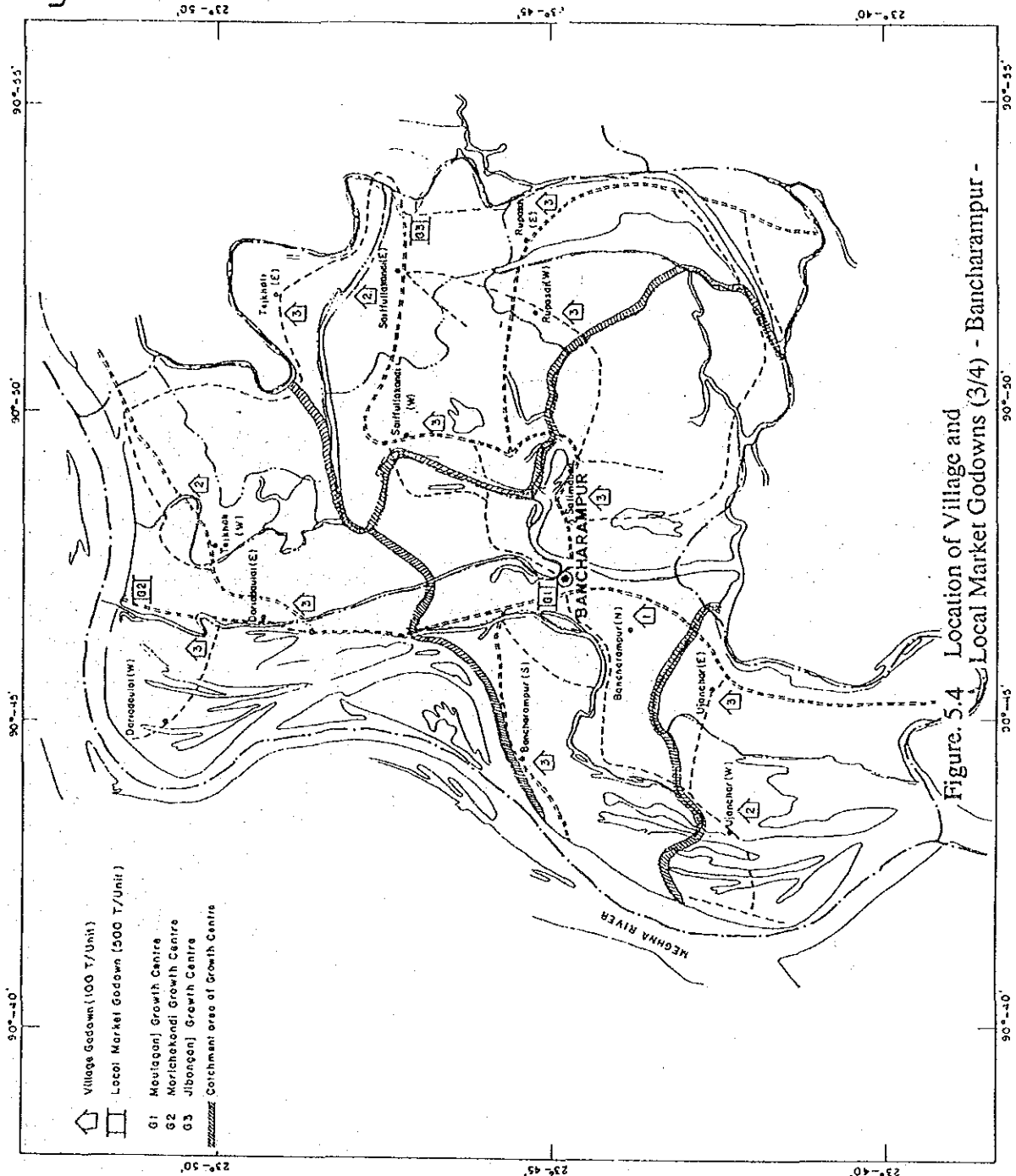
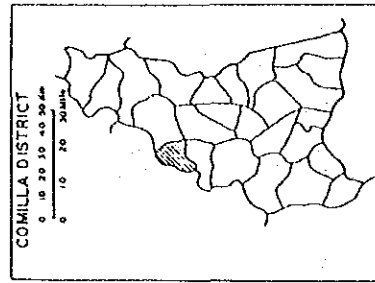


Figure. 5.4 Location of Village and Local Market Godowns (3/4) - Bancharampur -

- Village Godown (100 T/Unit)
- Local Market Godown (500 T/Unit)
- G1 Moulaganj Growth Centre
- G2 Morichakandi Growth Centre
- G3 Jibanganj Growth Centre
- Catchment area of Growth Centre

THE PEOPLE'S REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL
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JAPAN INTERNATIONAL COOPERATION AGENCY

UPAZILA : DEBIDWAR

Scale 1000 m 0 1000 2000 3000 Metres

SCALE



LEGEND

- Upazila Boundary
- Union Boundary
- River & Khali
- Upazila H.Q.
- Union H.Q.
- Feeder Road (Type 'B')
- R.H.D. Road
- Rural Road

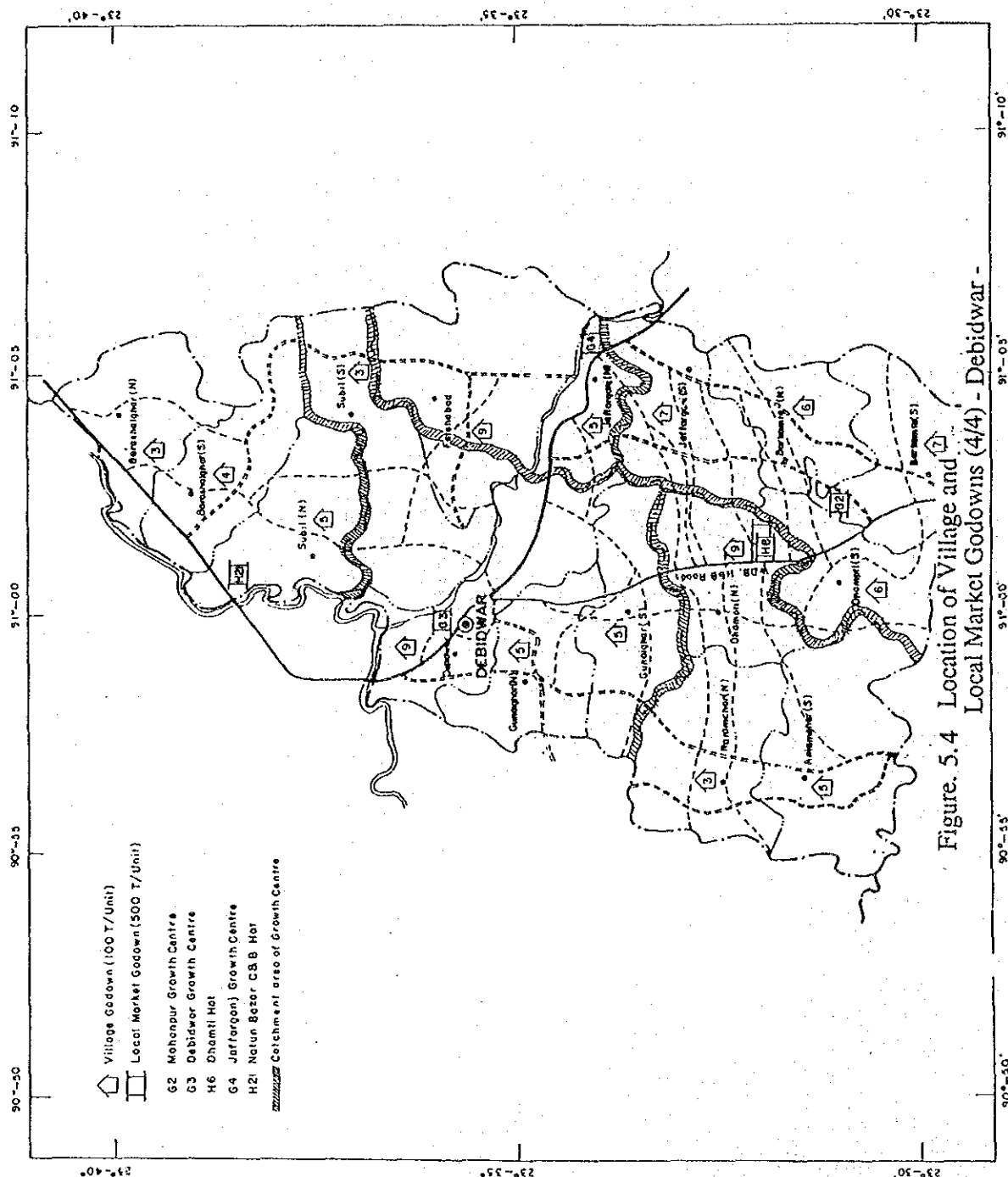
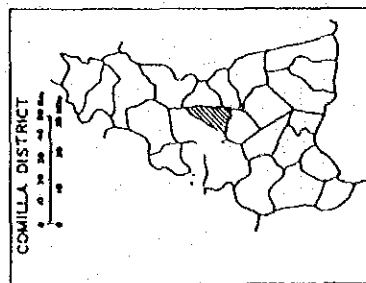


Figure 5.4 Location of Village and Local Market Godowns (4/4) - Debidwar -

THE PEOPLE'S REPUBLIC OF BANGLADESH

THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS

JAPAN INTERNATIONAL COOPERATION AGENCY

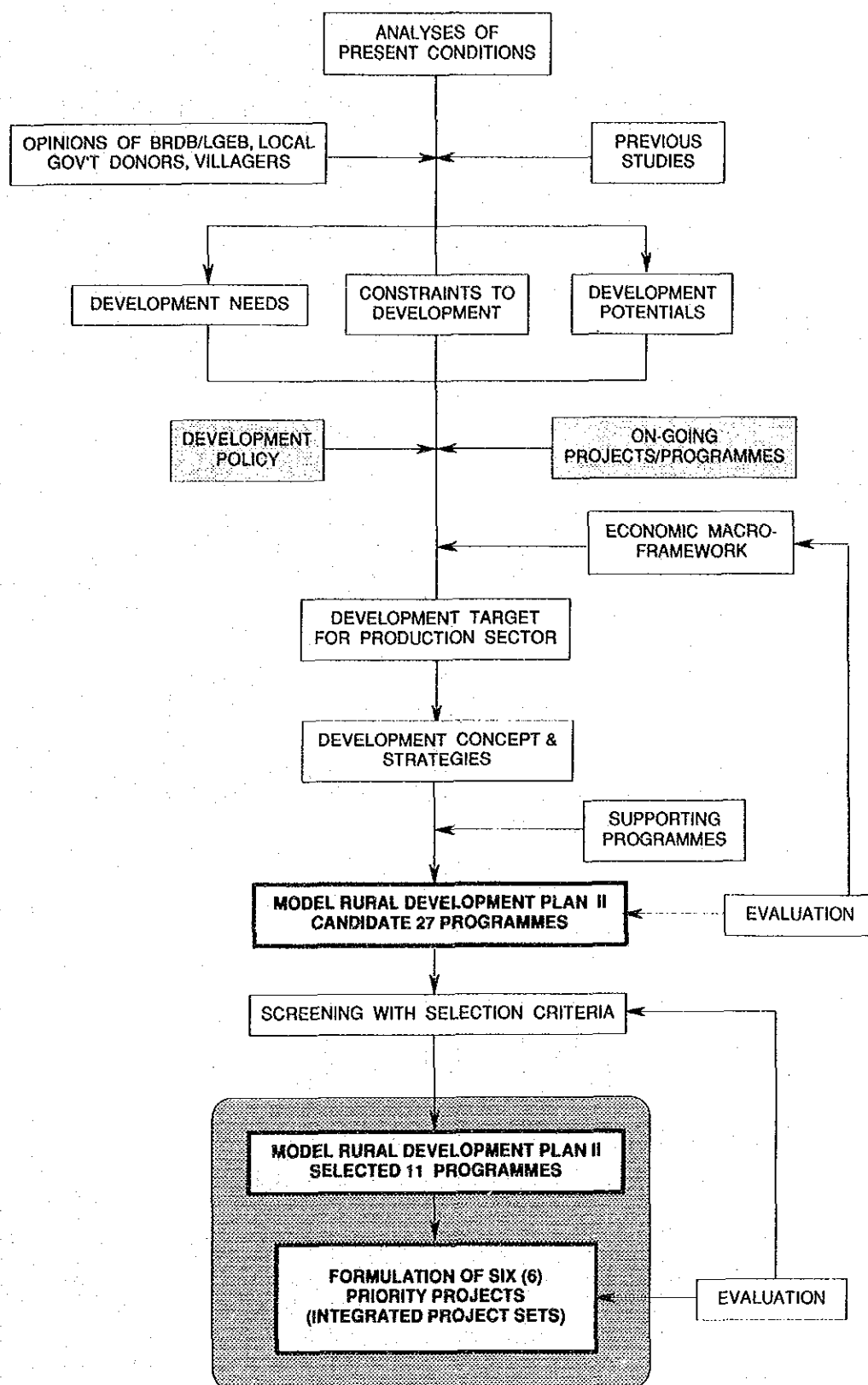
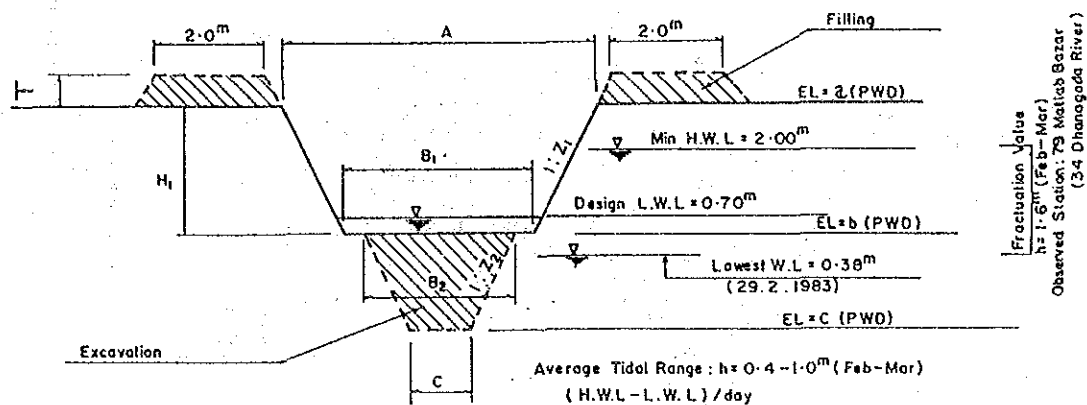


Figure 5.5 General Work Flow of the Study

Works	PHASE-I					PHASE-II					PHASE-III									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
I. Detailed Design																				
II. Tendering and Evaluation																				
III. Construction and Procurement																				
1. Irrigation Development and Drainage Improvement																				
1.1 Canal Re-excavation																				
1.2 Low Lift Pumps (LLP) [Supply Schedule]																				
1.3 Workshop for LLPs																				
2. Fractional Pumps (FP) Promotion [Supply Schedule]																				
3. Feeder and Rural Roads Improvement																				
3.1 Feeder B																				
3.1.1. Road Body																				
3.1.2. Bridge & Culvert																				
3.2 Rural Road																				
3.2.1. Road Body																				
3.2.2. Bridge & Culvert																				
4. UCCA Complex Establishment																				
4.1 Parboiled Rice Mill																				
4.2 Flour Mill																				
4.3 Oil Mill																				
4.4 Godown (500 ton)																				
4.5 Godown (100 ton)																				
5. Growth Center Improvement																				
5.1 Central G.C. at U.H.Q.																				
5.2 Other Area																				

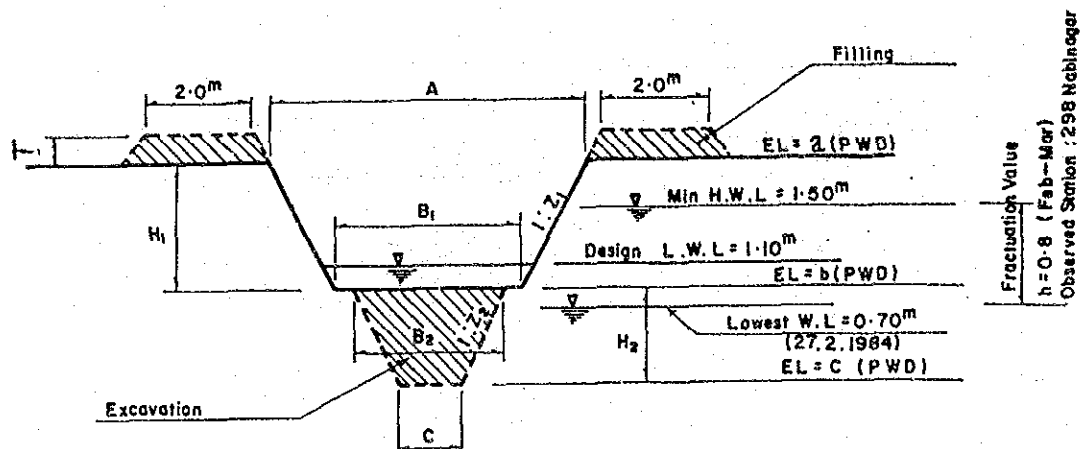
Note: U. H. Q. Upazila Headquarters

Figure 6.1 Construction Schedule of MRDP-II



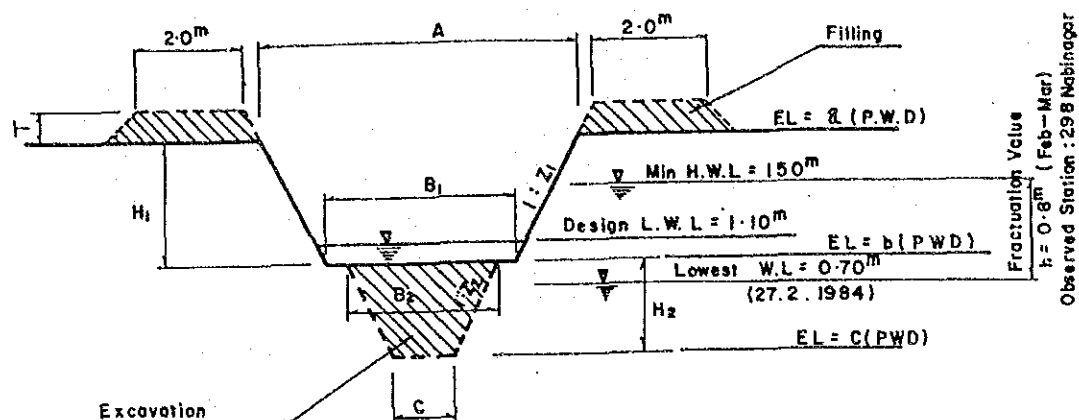
Canal Name	Specification (Existing)							Specification (Planned)						
	A	B ₁	H ₁	Z ₁	EL = a	EL = b		B ₂	C	H ₂	Z ₂	EL = c	T	
	m	m	m	m	m	m		m	m	m	m	m	m	m
Beoljuri														
Primary -- 1	25.0	10.0	3.0	2.5	3.5	0.5		(7.0)	(2.0)	(1.0)	(2.5)	(-0.5)	(0.6)	
Sachar 2	35.0	20.0	3.5	2.1	"	0.0		(-)	(-)	(-)	(-)	(-)	(-)	
Sachar - Hajiganj														
Secondary -- 1	20.0	5.0	2.5	3.0	3.5	1.0		7.0	1.0	1.2	2.5	-0.2	0.5	
Dhamalua - Keytain														
" 2	15.0	3.5	"	2.3	3.5	"		-	-	-	-	-	-	
Karaya - Ragunapur														
" 3	12.0	"	"	1.8	"	"		3.5	1.0	0.7	1.8	0.3	0.2	
Noadda - Charelbanga														
" 4	18.0	4.5	"	2.7	"	"		5.5	"	0.9	2.5	0.1	0.4	
Bitara - Aliara														
" 5	18.0	4.8	"	2.6	3.0	0.5		5.5	"	0.9	2.5	-0.4	"	
Uzari - Tetua														
" 6	15.0	5.0	"	2.0	3.5	1.0		5.0	"	1.0	2.0	0.0	"	
Sachar - Bayek														
" 7	21.0	6.0	"	3.0	3.0	0.5		(-)	(-)	(-)	(-)	(-)	(-)	
Madhupur - Barelara														
" 8	15.0	5.0	"	2.0	3.0	0.5		(-)	(-)	(-)	(-)	(-)	(-)	
Amujan														
" 9	"	3.8	2.0	2.8	4.0	2.0		-	-	-	-	-	-	
Boichara														
" 10	"	3.0	2.5	2.4	3.0	0.5		3.0	1.0	0.8	2.0	-0.3	0.2	
Baleshor - Rahimanagar														
" 11	14.0	4.0	2.0	2.5	4.0	2.0		-	-	-	-	-	-	
Sreerampur - Karaya														
" 12	15.0	4.5	2.5	2.1	"	1.5		-	-	-	-	-	-	
Udara														
" 13	21.0	6.0	2.8	2.6	3.5	0.7		6.0	1.0	0.9	2.6	-0.2	0.4	
Faltepur														
" 14	15.0	4.5	2.5	2.1	"	1.0		4.5	"	0.8	2.1	-0.2	0.3	
Kajkamta - Komarkasha														
" 15	12.0	3.5	"	1.7	"	1.0		3.5	"	0.7	1.7	0.2	0.2	
Bachala														
" 16	18.0	"	2.8	2.5	"	0.7		"	"	0.5	2.5	0.2	"	
Singua														
" 17	14.0	"	2.5	2.1	"	1.0		3.8	"	0.7	2.0	0.3	"	
Pala - Budhumda														
" 18	13.0	3.8	2.8	1.6	"	0.7		3.0	"	0.5	2.0	0.2	0.1	
Alishar														
" 19	12.0	3.5	2.5	1.7	"	1.0		3.5	"	0.7	1.7	0.3	0.2	
Akaria - Nasirpur														
" 20	12.0	"	2.8	1.5	3.0	0.2		-	-	-	-	-	-	
Masnigacha - Amujan														
" 21	"	3.0	2.0	2.2	4.0	2.0		-	-	-	-	-	-	
Jogolpur - Pepolpara														
" 22	17.0	3.5	2.0	3.3	"	"		-	-	-	-	-	-	

Figure.7.1 Drainage Canal Standard Section (1/3) (Kachua)



Canal Name		Specification (Existing)						Specification (Planned)						
		A	B ₁	H ₁	Z ₁	EL = 2	EL = b	B ₂	C	H ₂	Z ₂	EL = C	T	
Mazikara														
Khal	1	12.0	6.0	1.8	1.7	3.5	1.7	6.0	1.0	1.5	1.7	0.2	0.7	
Jafarpur	2	14.0	"	1.6	2.5	2.5	0.9	5.0	2.0	0.7	2.5	"	0.4	
Laar Faehpur	3	12.0	5.0	"	2.2	3.0	1.4	"	1.0	1.0	2.0	0.4	0.5	
Bikhali	4	15.0	6.0	1.8	2.5	"	1.2	6.0	"	"	2.5	0.2	"	
Adalmanil Char	5	12.0	"	"	1.7	"	"	4.5	"	"	1.7	"	0.4	
Bash	6	11.0	"	1.5	"	3.5	2.0	6.0	"	1.5	"	0.5	0.7	
Birugau	7	15.0	"	2.0	2.2	"	1.5	"	"	1.1	2.2	0.4	0.5	
Begduhar	8	"	"	"	"	"	"	"	"	"	"	"	"	
Deurjuri	9	14.0	"	"	2.0	"	"	"	"	1.2	2.0	0.3	"	
Samegram	10	12.0	5.0	2.0	1.7	"	1.5	5.0	"	1.2	1.7	0.3	"	
Rasullabad	11	11.0	"	1.5	2.0	2.5	1.0	"	"	1.0	2.0	0.0	0.4	
Rasulpur	12	11.0	"	"	"	3.0	1.5	5.0	"	1.0	"	0.5	"	

Figure 7.1 Drainage Canal Standard Section (2/3) (Nabinagar)



Canal Name	Specification (Existing)						Specification (Planned						
	A	B ₁	H ₁	Z ₁	EL = a	EL = b	B ₂	C	H ₂	Z ₂	EL = C	T	
Kajhakhali	m	m	m		m	m	m	m	m		m	m	
Khol - 1	9.0	5.0	1.5	1.3	3.0	1.5	4.0	1.0	1.0	1.5	0.5	0.3	
Dulbang													
" 2	14.0	6.0	2.0	"	"	1.0	6.0	2.0	"	2.0	0.0	0.5	
Dairar char													
3	21.0	6.0	1.8	4.0	"	1.2	"	"	"	"	0.2	"	
Murader													
" 4	11.0	5.0	"	1.7	"	"	5.0	1.5	"	1.7	"	0.4	
Dariakandibara													
" 5	9.0	5.0	1.5	1.3	"	1.5	4.0	1.0	"	1.5	0.5	0.3	
Nandalia													
" 6	9.0	4.0	1.8	1.4	"	1.2	3.0	"	0.7	"	0.5	0.2	
Hossainpur													
" 7	8.0	4.0	1.5	1.3	2.5	1.0	3.4	"	0.8	"	0.2	0.3	
Mondalia													
" 8	9.0	4.0	1.8	1.4	3.0	1.2	3.0	"	0.7	"	0.5	0.2	
Pahariakandi													
" 9	9.0	4.0	1.8	1.4	"	1.2	3.1	"	"	"	0.5	"	
Kalakandisonamiah													
" 10	8.0	4.0	1.5	1.3	"	1.2	3.1	"	"	"	0.5	"	
Mara titas													
" 11	31.0	11.0	1.5	6.7	"	1.5	7.0	"	1.5	"	0.0	0.7	

Figure.7.1 Drainage Canal Standard Section (3/3) (Bancharampur)

THE PEOPLE'S REPUBLIC OF BANGLADESH
 THE MASTER PLAN STUDY ON THE MODEL RURAL
 DEVELOPMENT PROJECT PHASE II FOR KACHUA,
 NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
 JAPAN INTERNATIONAL COOPERATION AGENCY

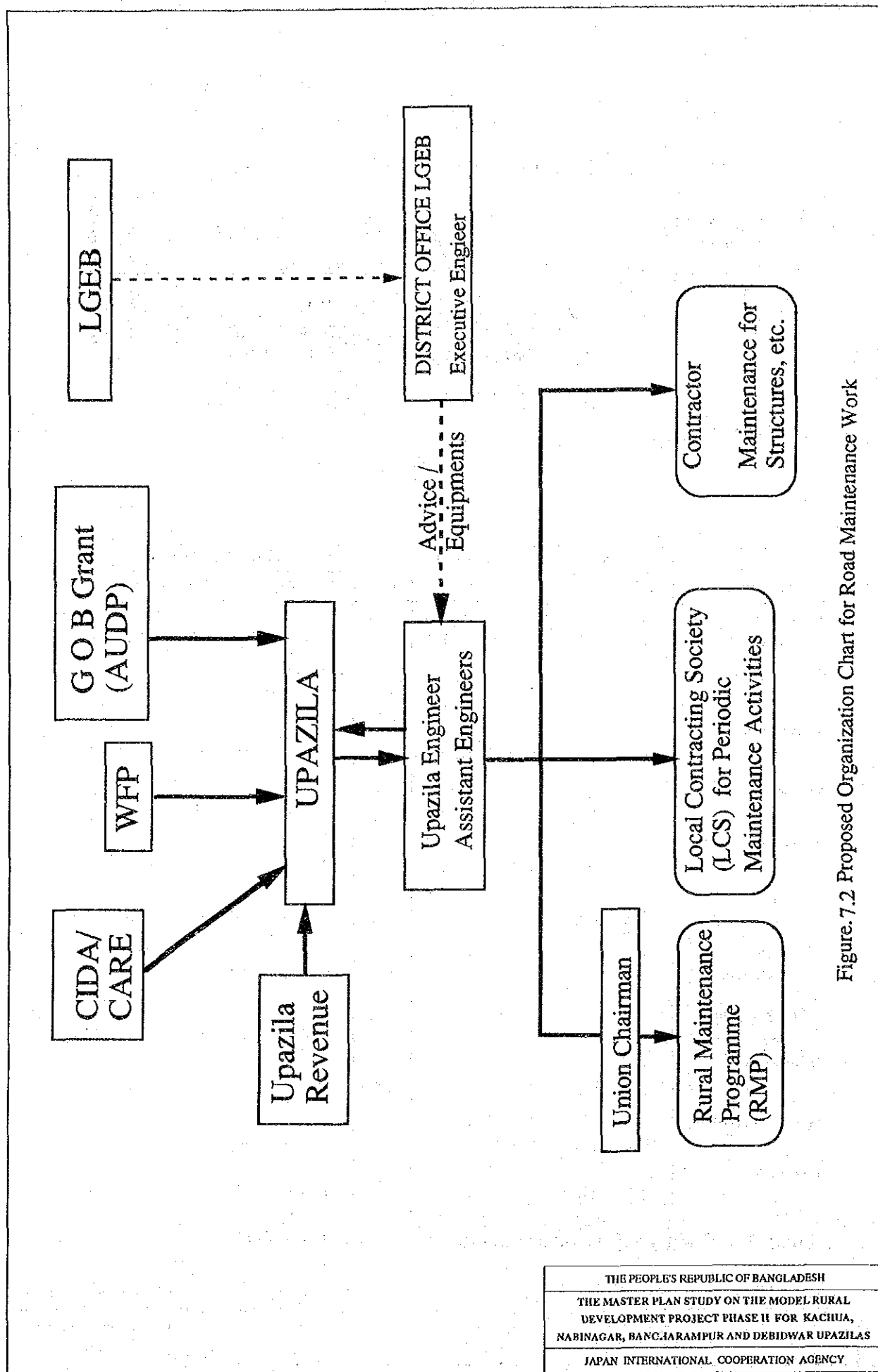
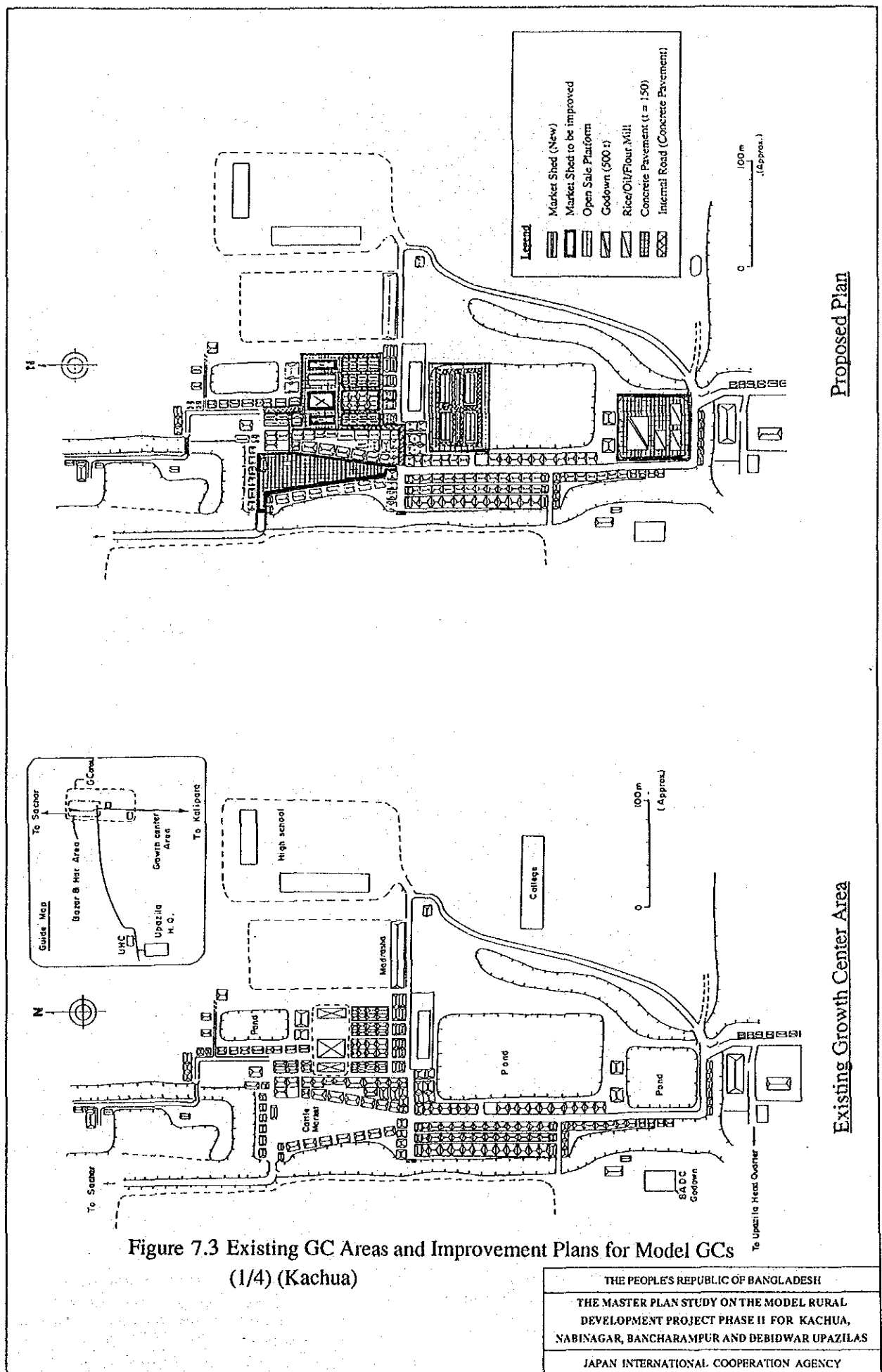


Figure. 7.2 Proposed Organization Chart for Road Maintenance Work



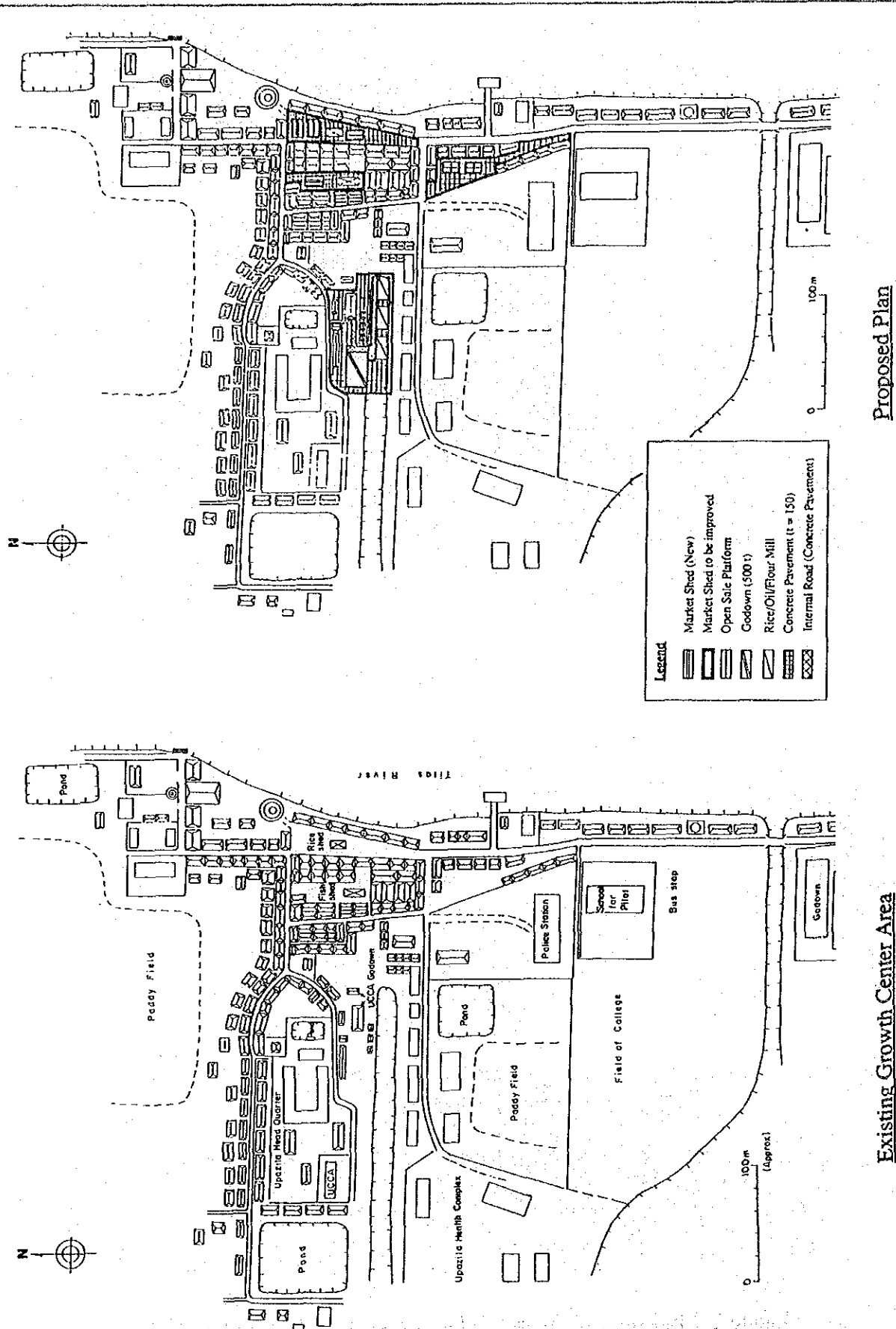
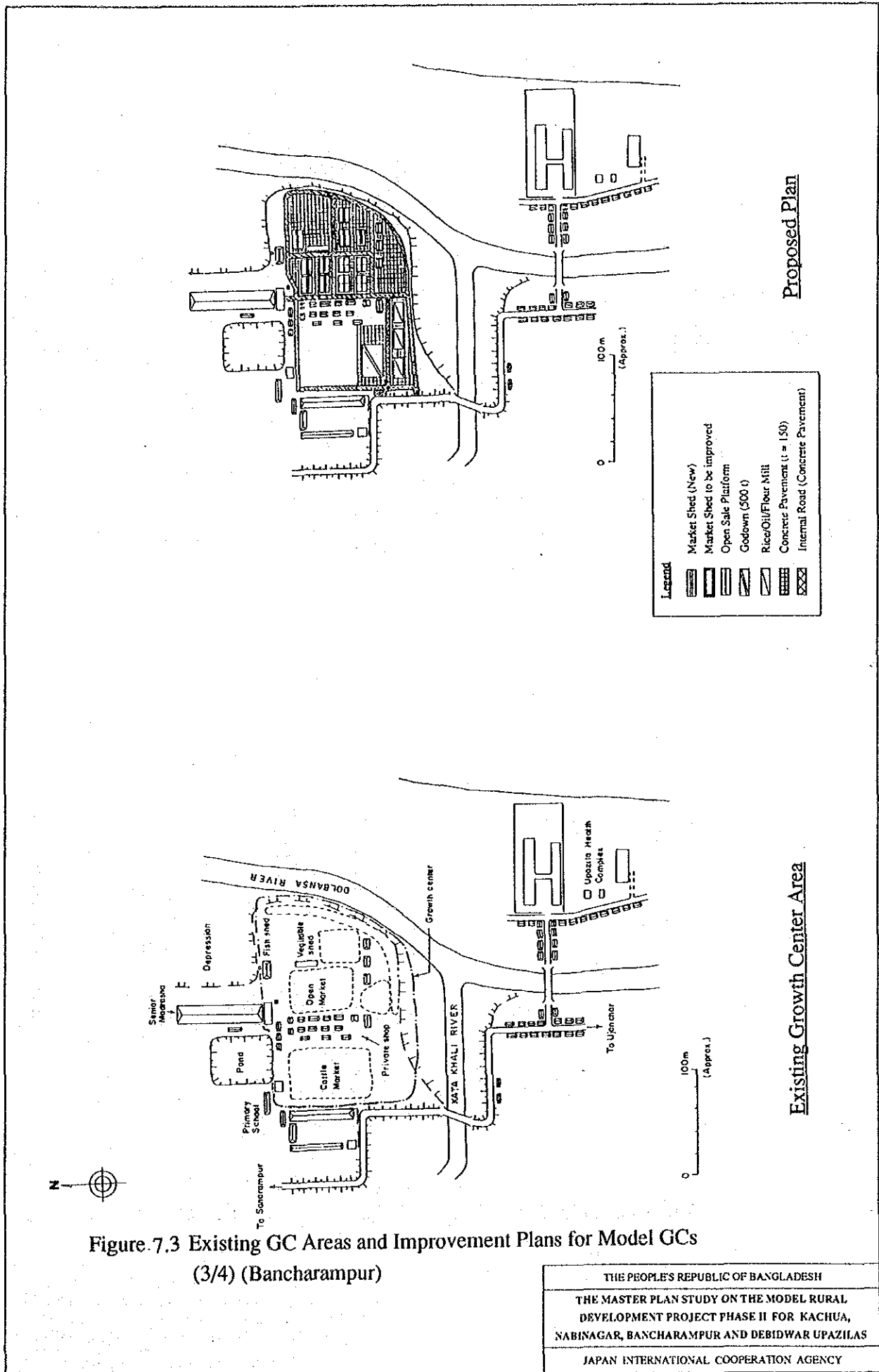


Figure 7.3 Existing GC Areas and Improvement Plans
for Model GCs (2/4) (Nabinagar)

THE PEOPLE'S REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL
DEVELOPMENT PROJECT PHASE II FOR KACHUA,
NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
JAPAN INTERNATIONAL COOPERATION AGENCY



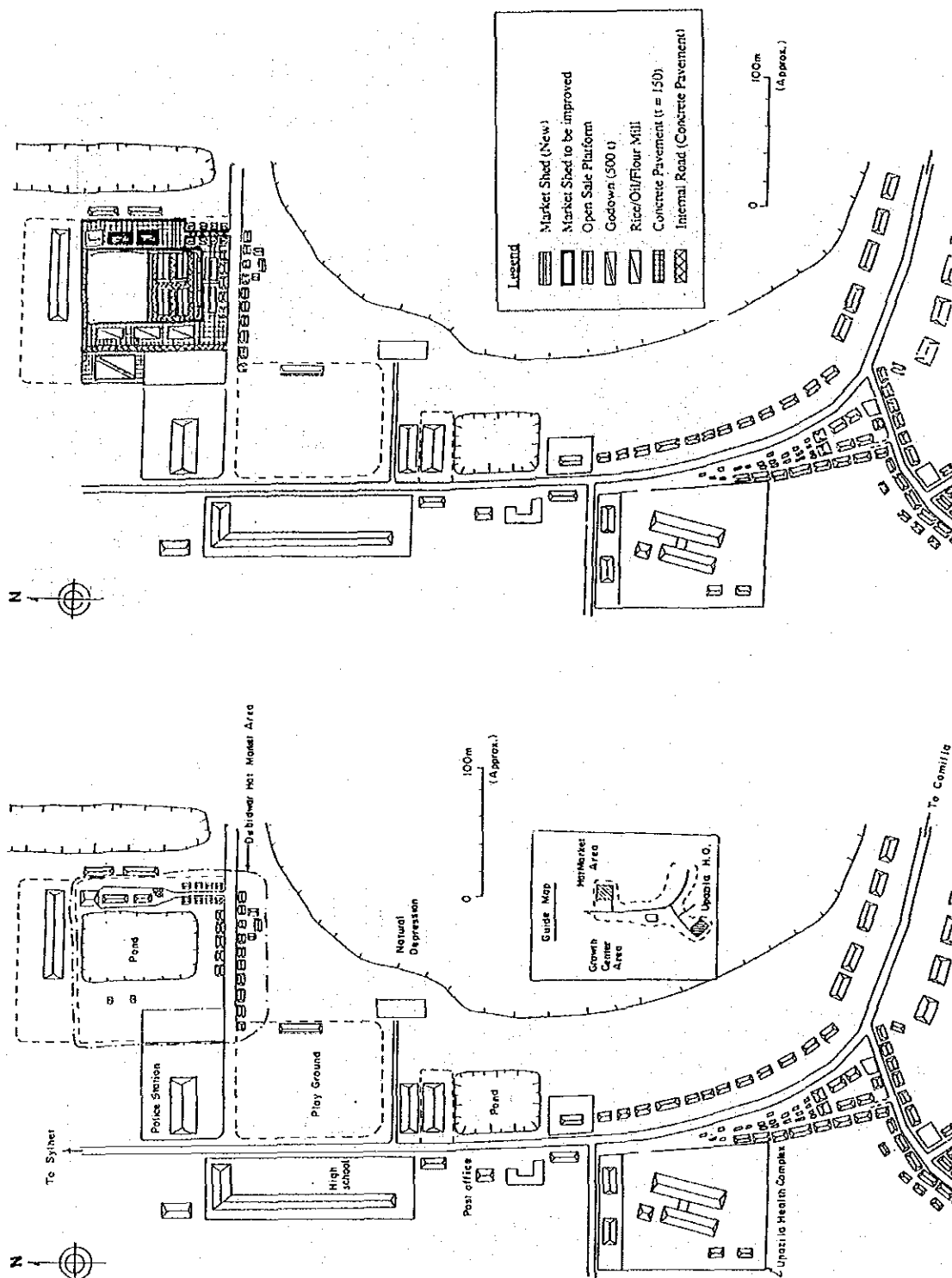
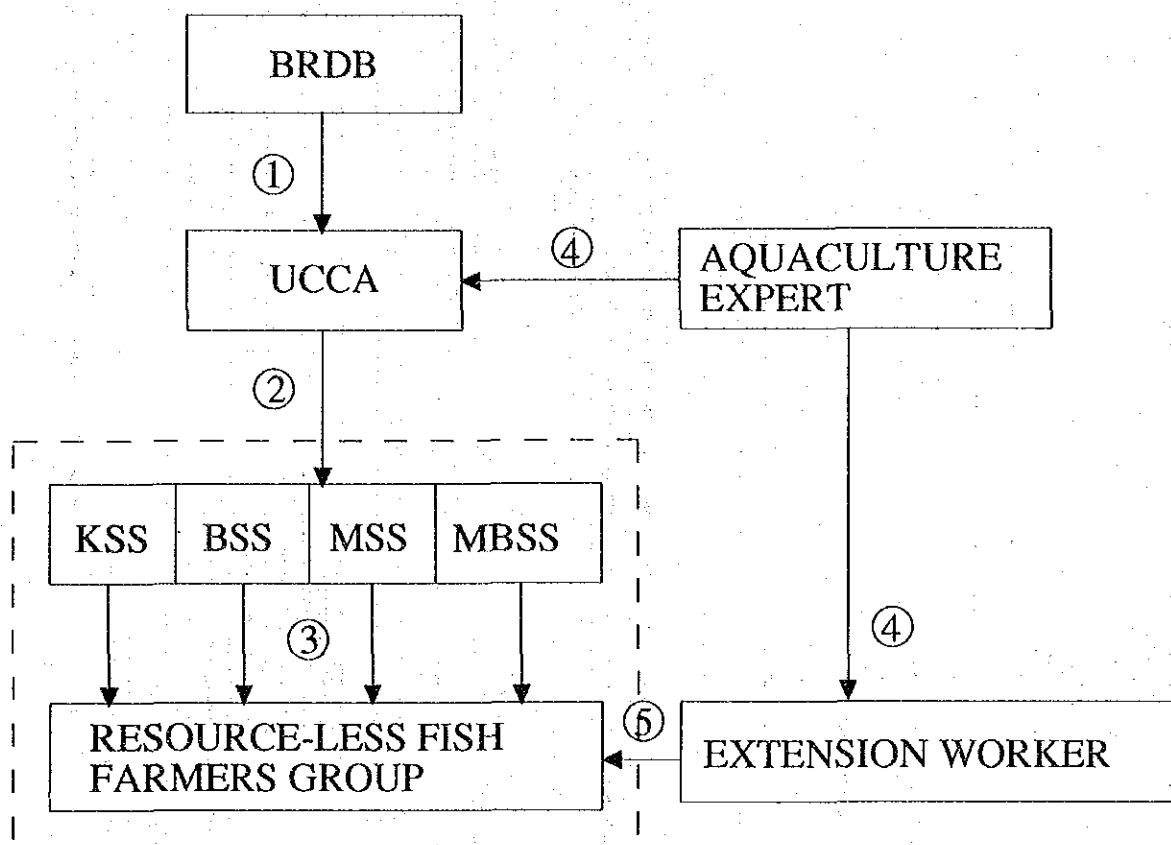


Figure 7.3 Existing GC Areas and Improvement Plans for Model GCs
(4/4) (Debidwar)

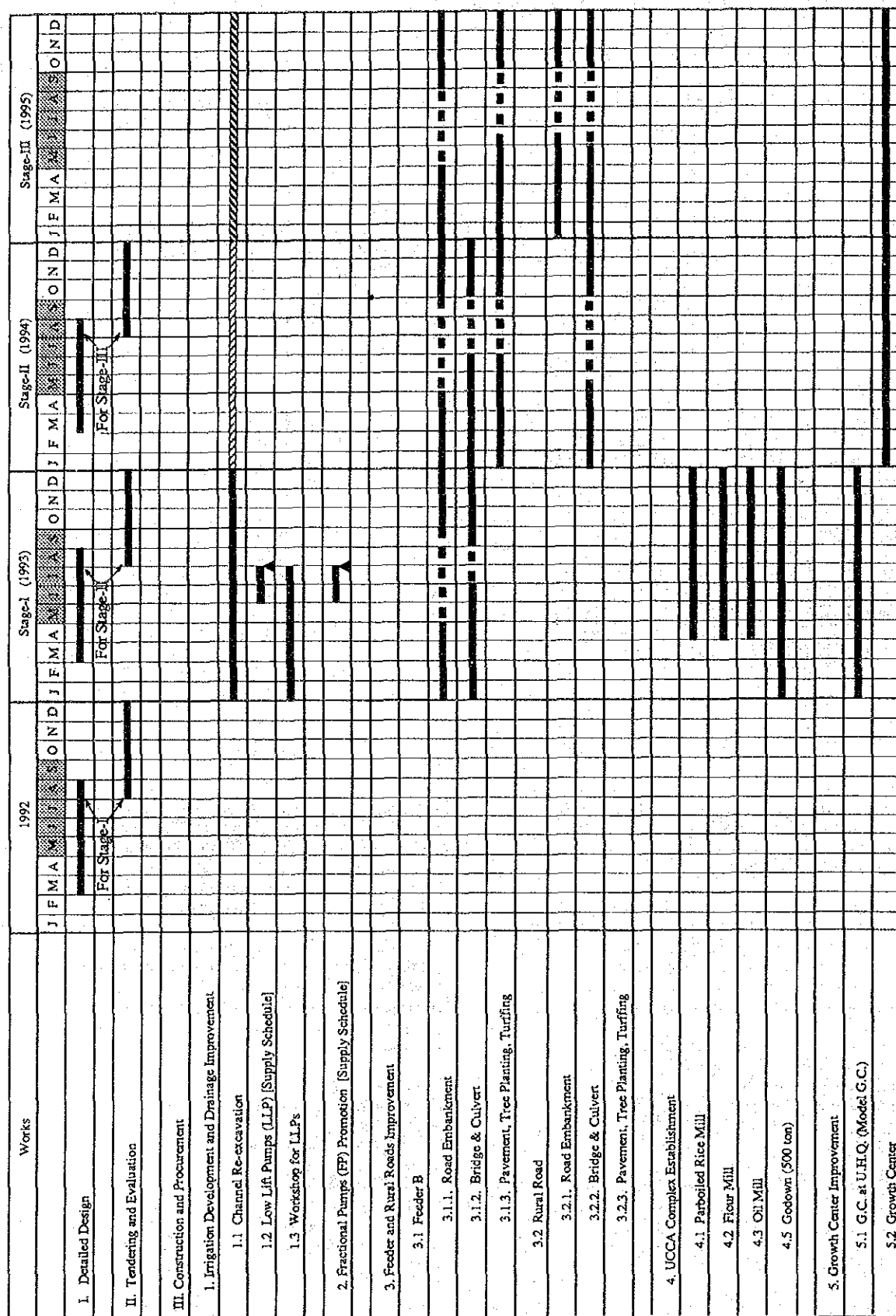


- 1 - Survey, acquiring & transfer of ponds to UCCA
 - Allocation of appropriate fund for fish culture
 - Smooth coordination among related agencies
 - Supervision of the activities
- 2 - Selection of members and formation of groups
 - Make availability of funds/credit and inputs on time
 - Arrangement/provision of technical guidance/training
 - Encouragement of saving among members
 - Record keeping
 - Monitoring and evaluation of activities
- 3 - Make availability of credits on time
 - Arrangement of critical inputs
 - Sales of harvested fish
 - Collection of loan/credit
 - Repayment to UCCA
 - Record keeping

- 4 - Programme adviser (aquaculture expert) should be and willing to be in the field most of the time and close to extension workers, UCCA and Groups.
 - Assistance in the selection of ponds
 - Advisory service on technical & management aspects on aquaculture to BRDB, UCCA, extension workers
 - Prepare programme implementation schedule & training/demonstration with close consultation with extension workers and others
 - Arrange training/demonstration for leaders of groups extension workers with institutions/farms within and outside the study area
- 5 - Extension workers
 - Extension workers should be in the field most of the time
 - Work in close consultation with aquaculture expert in planning, production & training schedule
 - Maintain constant supervision and contact with group members
 - Make arrangement for critical inputs to be available
 - Create enthusiasm, confidence and group spirit among members

Figure 7.4 Organization Chart for Group Pond Culture

THE PEOPLE'S REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
JAPAN INTERNATIONAL COOPERATION AGENCY



Note: U. H. Q. Upazila Headquarters
 Rainy Season

Figure 7.5 Construction Schedule of Priority Project

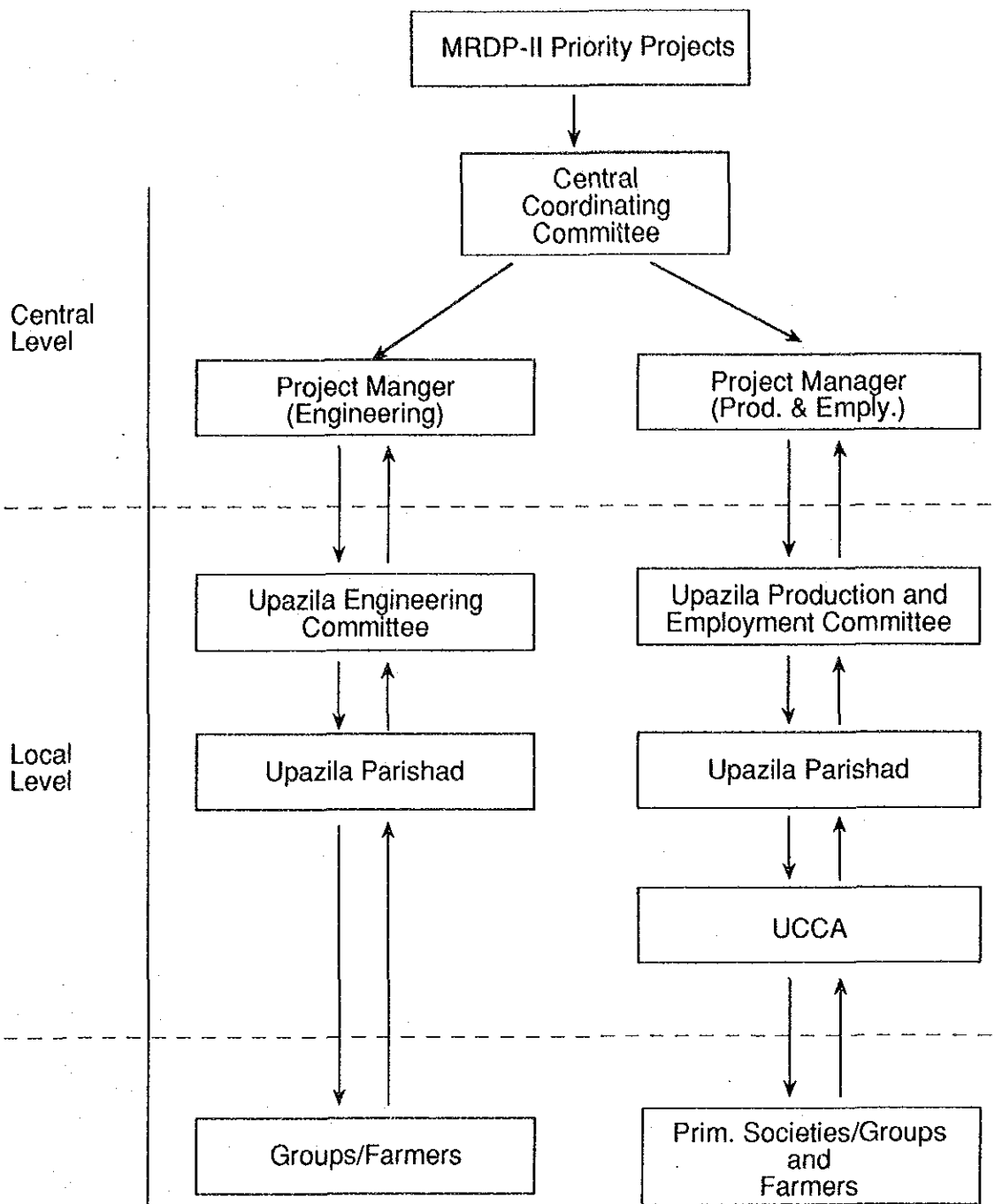


Figure 7.6 Proposed Organization for MRDP-II Priority Projects

THE PEOPLES REPUBLIC OF BANGLADESH
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
JAPAN INTERNATIONAL COOPERATION AGENCY

ATTACHMENTS

ATTACHMENT - I

SCOPE OF WORK

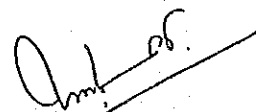
December 13, 1989

SCOPE OF WORK
FOR
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II
FOR KACHUA, NABI NAGAR, BANCHARAMPUR AND DEBIDHAR UPAZILAS
IN
THE PEOPLE'S REPUBLIC OF BANGLADESH

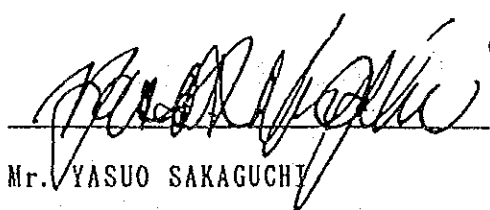
AGREED UPON BETWEEN
BANGLADESH RURAL DEVELOPMENT BOARD, LOCAL GOVERNMENT ENGINEERING BUREAU
AND
THE JAPAN INTERNATIONAL COOPERATION AGENCY

December 13, 1989

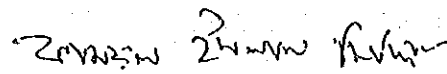
Dhaka, Bangladesh



Mr. NURUL ABEDIN
Director General In-charge,
Bangladesh Rural Development
Board,
People's Republic of Bangladesh



Mr. YASUO SAKAGUCHI
Team Leader,
Preliminary Survey Team
Japan International
Cooperation Agency



Mr. QAMRUL ISLAM SIDDIQUE
Engineering Advisor,
Local Government Engineering Bureau,
People's Republic of Bangladesh

I. Introduction

In response to the request of the Government of the People's Republic of Bangladesh (hereinafter referred to as "the GOB"), the Government of Japan has decided to conduct the Master Plan Study on the Model Rural Development Project Phase II (hereinafter referred to as "the Study"), in accordance with the relevant laws and regulations in force in Japan.

Accordingly, The Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of the technical cooperation programs of the Government of Japan, will undertake the Study, in close cooperation with the authorities concerned of the GOB.

The present document sets forth the Scope of Work for the Study.

II. Objective of the Study

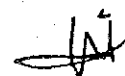
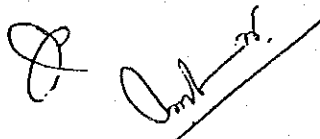
The objective of the Study is to formulate the Model Rural Development Project Phase II Plan for Kachua, Nabi Nagar, Bancharampur, Debidhar Upazilas (hereinafter referred to as "MRDPP II").

III. Study Area

The study area covers the total area of the Kachua, Nabi Nagar, Bancharampur, Debidhar Upazilas in the Old Comilla District.

IV. Scope of the Study

The Study consists of two stages. In the first stage, a preliminary formulation of MRDPP II is made. In the second stage, the MRDPP II is formulated, which includes a detail study that focuses on the priority project components.



1. First Stage

1-1. Data collection and field survey

To collect and review available data and information relevant to the Study and to carry out a field survey on the following items:

- (1) Natural conditions
 - a. Topography
 - b. Meteorology
 - c. Hydrology
 - d. Geology
 - e. Groundwater
 - f. Soil
- (2) Social conditions
 - a. Population and habitation
 - b. Social organization
 - c. Industry and economy
 - d. Employment
 - e. Education
- (3) Agriculture
 - a. Farming
 - b. Land use/tenure
 - c. Cropping
 - d. Agricultural organization
 - e. Processing of agricultural products
 - f. Rural Forestry
- (4) Agricultural infrastructure
 - a. Irrigation-drainage and flood control systems
 - b. Storage facilities
- (5) Agro-economy
 - a. Marketing system
 - b. Farmer's income and productivity

- c. Rural credit
- d. Farmers' organization
- e. Extension service
- f. Agro-industry
- g. Inland fisheries
- (6) Rural infrastructure
 - a. Feeder and rural roads
 - b. Rural electrification
 - c. Communication
 - d. Water supply
 - e. Health and welfare
 - f. Education and training

1-2. To conduct a preliminary study based on the results of the above-mentioned survey.

1-3. To prepare preliminary formulation of the MRDPP II and identify priority project(s).

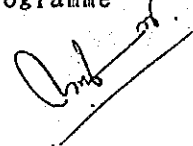

2. Second Stage

The followings will be carried out based on the results of the first stage survey.

2-1. Supplementary survey and additional data collection

2-2. Formulation of the Model Rural Development Project Phase II Plan with its focus on the following items:

- a. Improvement of irrigation - drainage and flood control systems
- b. Improvement of feeder and rural roads
- c. Improvement of growth centers
- d. Development of rural industry
- e. Institutional development
- f. Rural employment programme



2-3. Formulation of priority project(s)

- a. Preliminary designing of the major structures
- b. Approximate estimation of the project cost

2-4. Evaluation of the project

2-5. Recommendation

V Study Schedule

The Study will be executed in accordance with the attached tentative work schedule.

VI Reports

JICA shall prepare the following reports in English, and submit them to GOB.

1. Inception Report:

Twenty (20) copies at the commencement of the first stage field work.

2. Progress Report (I):

Twenty (20) copies at the end of the first stage field work.

3. Interim Report:

Twenty (20) copies at the commencement of the second stage field work

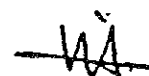
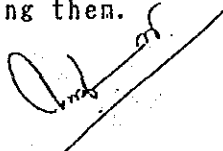
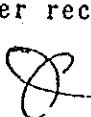
4. Progress Report (II):

Twenty (20) copies at the end of the second stage field work.

5. Draft Final Report:

Twenty (20) copies within one (1) month after the end of the second stage home office work.

GOB is requested to give comments on the draft final report within one (1) month after receiving them.



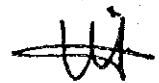
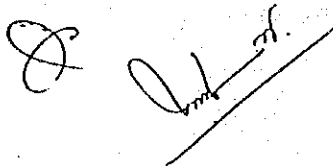
6. Final Report:

Fifty (50) copies within two (2) months after receiving the comments on the Draft Final Report.

VII. Undertaking of the GOB

1. To facilitate smooth conduct of the Study, the GOB shall take following necessary measures:

- (a) To secure the safety of the Japanese study team(hereinafter referred to as "the Team").
- (b) To permit the members of the Team to enter, leave and sojourn in Bangladesh for the duration of their assignment therein, and exempt them from alien registration requirements and consular fees.
- (c) To exempt the members of the Team from taxes, duties and any other charges on equipments, machinery and other materials brought into Bangladesh for the conduct of the Study.
- (d) To exempt the members of the Team from income tax and other charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Team for their services in connection with the implementation of the Study.
- (e) To provide necessary facilities to the Team for remittance as well as utilization of the funds introduced into Bangladesh from Japan in connection with the implementation of the Study.
- (f) To secure permission for entry into private properties or restricted areas for the conduct of the Study.
- (g) To secure permission for the Team to take all data and documents (including photographs and maps)related to the Study out of Bangladesh to Japan.
- (h) To provide medical services as needed. Its expenses will be chargeable on members of the Team.



2. The GOB shall bear claims, if any arises against the members of the Team resulting from, occurring in the course of, or otherwise connected with the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Team.
3. The Bangladesh Rural Development Board (hereinafter referred to as "BRDB") and the Local Government Engineering Bureau (hereinafter referred to as "LGEB") shall act as the counterpart agencies to the Team and also as the coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
4. BRDB and LGEB shall, at their own expense, provide the Team with the followings in cooperation with other organizations concerned:
 - (1) Available data and information related to the Study.
 - (2) Counterpart personnel
 - (3) Suitable office spaces with necessary equipments in Dhaka and the study area.
 - (4) Credentials for the members of the Study Team.

VIII. Undertaking of JICA

For the implementation of the Study, JICA shall take the following measures;

1. To dispatch, at its own expense, the Team to Bangladesh.
2. To pursue technology transfer to counterpart personnel in the course of the Study.

IX. Consultation

The counterpart agencies mentioned above and JICA shall consult with each other in respect of any matter that may arise from or in connection with the Study.

Appendix

Tentative Study Schedule

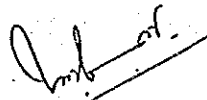
Months Items	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STAGE	<div> <div>STAGE I</div> <div>STAGE II</div> </div>															
FIELD WORK IN BANGLADESH																
HOME OFFICE WORK IN JAPAN																
REPORT																

Remarks: ◇ : Inception Report △ : Progress Report (I) ○ : Interim Report ▲ : Progress Report (II) ○ : Draft Final Report ● : Final Report

MINUTES OF MEETING
FOR
THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE II
FOR KACHUA, NABI NAGAR, BANCHARAMPUR AND DEBIDHAR UPAZILAS
IN
THE PEOPLE'S REPUBLIC OF BANGLADESH

December 13, 1989

Dhaka, Bangladesh



Mr. NURUL ABEDIN

Director General In-charge

Bangladesh Rural Development

Board (BRDB),

People's Republic of Bangladesh



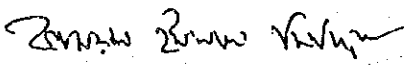
Mr. YASUO SAKAGUCHI

Team Leader,

Preliminary Survey Team

Japan International

Cooperation Agency



Mr. QAMRUL ISLAM SIDDIQUE

Engineering Advisor,

Local Government Engineering Bureau (LGEB),

People's Republic of Bangladesh

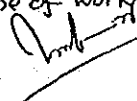

In response to the request of the Government of the People's Republic of Bangladesh (GOB) a preliminary survey team (the Team) of the Japan International Cooperation Agency (JICA) visited Bangladesh from December 5th to December 14th in 1989, to carry out the field reconnaissance survey, and had a series of discussion with the organizations concerned of the Model Rural Development Project Phase II for Kachua, Nabinagar, Bancharampur and Shahrasti Upazilas in the People's Republic of Bangladesh.

LGEb, BRDB and the Team reached mutual agreement on the Scope of Work.

The following is the items expressed during the course of discussion.

1. LGEb and BRDB requested that the study area be changed from the four Upazilas, Kachua, Nabinagar, Bancharampur and Shahrasti to the four Upazilas, Kachua, Nabinagar, Bancharampur and Debidwar.

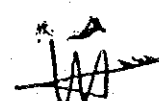
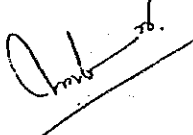
2. LGEb and BRDB requested that the following items be included in the study.

in addition to the Scope of Work


- (1) Livestock
- (2) Sanitation and nutrition
- (3) Intensified homestead production program
- (4) Cluster formation of rural housing

The Team expressed that the items, (1) and (2) could be included in the study and that the items, (3) and (4) should wait to be discussed until the inception of the study.

and others



3. LGEB, BRDB and the Team confirmed that the coordination necessary for the formulation of the study (e.g. the coordination between Ministries concerned in Bangladesh) will be arranged by LGEB and BRDB.

4. The Bangladesh side requested that a training in Japan for a counterpart be given by JICA.

J *Am. of.*

WA

LIST OF PARTICIPANTS

I. RURAL DEVELOPMENT AND COOPERATIVES DIVISION

Mr. Muhammad Sirajuddin Additional Secretary

II. BANGLADESH RURAL DEVELOPMENT BOARD

Mr. Nurul Abedin Director General In-charge
Mr. M. Akkas Ali Joint Director
Mr. MD Mazharul Islam Deputy Director
Mr. Mahbubur Rahman Deputy Director (Planning)

III. LOCAL GOVERNMENT ENGINEERING BUREAU

Mr. Qumrul Islam Siddique Engineering Advisor
Mr. Ata Ullah Bhuiyan Project Director
Mr. M. A. Quashem Senior Socio Economic Specialist
Mr. Saroj Kumar Sorker Executive Engineer
Mr. MD Hafizar Rahman Assistant Engineer
Mr. MD Abul Quashem SSES IDP
Mr. Kamruzzaman Bhuiyakh XEN

IV. PRELIMINARY SURVEY TEAM

Mr. Yasuo Sakaguchi

Mr. Mitsuo Hayashida

Mr. Masaya Iwasaki

Mr. Naoyuki Kobayashi

V. JICA BANGLADESH OFFICE

Mr. Hiroshi Umezaki

Deputy Resident Representative



ATTACHMENT - II

MINUTES OF MEETING ON INCEPTION REPORT

September 22, 1990

MINUTES OF MEETING
ON
THE INCEPTION REPORT FOR THE MASTER PLAN STUDY ON
THE MODEL RURAL DEVELOPMENT PROJECT FOR
COMILLA DISTRICT, PHASE-II

1. Date : September 22, 1990
2. Place : Conference Room of the Bangladesh Rural Development Board (hereinafter referred to as "BRDB")
3. Attendants : As in Attachment
4. Agenda


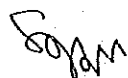

4.1 General

The Japan International Cooperation Agency (JICA) dispatched the Study Team to Dhaka, and the Team paid courtesy calls to the Authorities concerned, and submitted thereto the Inception Report prepared in accordance with the agreed Scope of Works and authorized by the Advisory Committee of the JICA for the master plan study on the Model Rural Development Project, Comilla District, Phase-II.

At the same time, the Team made a briefing of the report firstly in the BRDB on September 19, 1990, and then in the Rural Development and Cooperatives Division, Ministry of Local Government Rural Development & Cooperatives (hereinafter referred to as "MLGRDC") and Local Government Engineering Bureau (hereinafter referred to as "LGEB") on September 20, 1990 respectively.

In response to the briefing of the report, a joint meeting chaired by Dr. Shah Mohammad Farid was held between the Bangladesh Authorities concerned (BRDB and LGEB) and the Study Team in the BRDB Conference Room on September 22, 1990.

After opening address by the chairman, the technical discussion on the Inception Report was made. The followings are mutually confirmed and agreed upon between both parties throughout the discussion in the meeting.

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4.2 Confirmation

In accordance with Clause VII of the agreed Scope of Works (hereinafter referred to as S/W), the Study Team requested to the Bangladesh side an immediate arrangement on the following items:

- i. The latest topographic maps covering four Upazilas stipulated in the S/W,
- ii. Thirteen (13) counterpart personnel according to the speciality of the assigned experts,
- iii. Suitable office space with necessary furniture in both Dhaka and the study area, and
- iv. Issuance of credentials for the members of the Study Team.

In response to the request of the Study Team, the Bangladesh side promised the arrangements of their undertakings as follows:

- i. Some of maps covering the study area are available in the LGEB. The procurement of the remaining maps will be arranged by the LGEB as early as possible.
- ii. The requested counterpart personnel will be nominated in both the BRDB and the LGEB in advance of the substantial commencement of the study.
- iii. The suitable office space in Dhaka will be provided in the Head Office of LGEB. Meanwhile, that in the study area will also be provided in the proper location.
- iv. The credentials for the members of the Study Team will be issued soon by the BRDB.

In addition to the above, the Study Team strongly requested to set up a coordination committee for the Study among the BRDB and LGEB. In response to the request, the Bangladesh side accepted to set up the committee, and appointed Mr. Mahbubar Ruhaman, Deputy Director of Planning, BRDB, as a coordinator for the time being.

4.3 Comments

The GOB side basically accepted the Inception Report and suggested to pay the particular attention to the following aspects.

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- i. A concept of "model" rural development should be further clarified.
- ii. The master plan should be formulated taking into account the Fourth Five-Year Development Plan, in which the top priority is placed on poverty alleviation in the rural areas.
- iii. Social sectors, namely education, training, etc, should be studied at detail in order to ensure the development of economic sectors proposed under the project.
- iv. In-depth study is required on the new cooperative policy, which is set up on the basis of the past experience of the cooperative activities.
- v. Executing agencies at the project implementation stage should be defined through the Study.
- vi. Sustainability of the project should be examined to ensure operation and maintenance of the project.
- vii. The commencement year should be tentatively assumed for setting up the implementation program on the MRDP.
- viii. Woman development should be focussed on as an important factor of the human development.

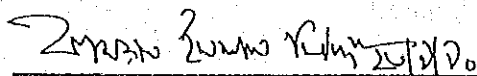
The Study Team noted all the comments and suggestions pointed out by the GOB side. As for Item (i), the Study Team explained that the relevant study would be initiated by review of the Comilla Model to establish the concept of the "model" rural development through the Study.



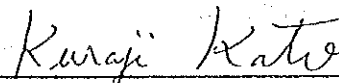
Dr. Shah Mohammad Farid
Director General
Bangladesh Rural Development
Board (BRDB)



Mr. Hiroshi Yamamoto
Team Leader for
JICA Study Team



Mr. Quamrul Islam Siddique
Engineering Adviser
Local Government Engineering
Bureau (LGEB)



Mr. Kuraji Kato
Member of Advisory Committee
JICA

ATTACHMENT

LIST OF PARTICIPANTS

Bangladesh side

(BRDB)

- | | | |
|-----|----------------------------|---|
| 1. | Dr. Shah Mohammad Farid | Director General |
| 2. | Mr. Syed Kamal Uddin | Director (Planning) |
| 3. | Mr. Hamidur Rahman | Director (Training) |
| 4. | Mr. Daudur Rahman | Director (Rural Poor Programme) |
| 5. | Mr. F.H. Yusuf | Director (Field Service) |
| 6. | Mr. S.H. Akhunji | Director (Finance) |
| 7. | Mr. M. Akkas Ali | Joint Director (Plan Evaluation and Monitoring) |
| 8. | Mr. M.M.R. Osmany | Joint Director (Construction) |
| 9. | Mr. Md. Mazharul Islam | Deputy Director (Cooperative) |
| 10. | Mr. Md. Zainul Abedin | Deputy Director (Credit) |
| 11. | Mr. Md. Tozammel Haque | Deputy Director (Construction) |
| 12. | Mr. Mahbubur Rahman | Deputy Director (Planning) |
| 13. | Mr. Md. Jahangir Chowdhury | Deputy Director (Monitoring) |

(LGEB)

- | | | |
|----|------------------------|--------------------------|
| 1. | Mr. Saroj Kumar Sarker | Executive Engineer, LGEB |
|----|------------------------|--------------------------|

Japanese side

(Study Team)

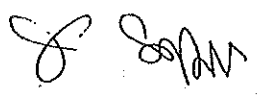
- | | | |
|----|----------------------|-------------------------|
| 1. | Mr. Hiroshi Yamamoto | Team Leader |
| 2. | Mr. Manabu Masaki | Rural Development |
| 3. | Mr. Masayuki Koyama | Agronomy/Soils/Land Use |
| 4. | Mr. Takeshi Oosawa | Irrigation and Drainage |
| 5. | Mr. Hyosaku Goto | Institution and Support |

(Advisory Committee)

- | | | |
|----|-----------------|------------------------------------|
| 1. | Mr. Kuraji Kato | Member of Advisory Committee, JICA |
|----|-----------------|------------------------------------|

(JICA Headquarters)

- | | | |
|----|-----------------------|------|
| 1. | Mr. Naoyuki Kobayashi | JICA |
|----|-----------------------|------|

 Kato
All - 4

ATTACHMENT - III

***RECORD OF DISCUSSION
BETWEEN JICA STUDY TEAM AND COUNTERPART***

September 22, 1990

RECORD OF DISCUSSION
FOR
JICA STUDY TEAM & COUNTERPART MEETING
FOR
MODEL RURAL DEVELOPMENT PROJECT, OLD COMILLA DISTRICT

1. Date : 22nd November, 1990
2. Place : Conference Room of BRDB
3. Attendants : As in Attachment-1
4. Agenda

The Joint Meeting between the JICA Study Team and the Counterpart Team was officially opened at 2:30 pm on 22nd November, 1990 under the chairmanship of Mr. Syed Kamaluddin, Director of Planning of BRDB. Mr. M. Koyama, Acting Team Leader for the JICA Study Team, was invited by the Chairman to brief the objectives of the meeting, and the following agenda was confirmed by all the attendants.

- (1) Progress report by the JICA Study Team
- (2) Technical Note on Development Concepts for the Project

5. Progress Report

According to the Scope of Work (S/W), the JICA Study Team has carried out the component-based study for the Model Rural Development Project for Old Comilla District (the Project) in collaboration with the counterpart personnel from BRDB and LGEB. The work progress was briefed by the JICA Study Team as follows.

(1) Inventory Surveys of Rural Infrastructures

The existing studies and development activities are comprehensively reviewed for each rural infrastructure component stipulated in S/W, namely (i) irrigation, drainage and flood control, (ii) feeder and rural roads, (iii) growth center, (iv) drinking water supply, (v) rural electrification, (v) communication, (vi) education and training, and (vii) sanitation and nutrition. In parallel, the

overall data collection has also been undertaken at Upazila offices. Most of data are collected and being analyzed. The additional data required are (i) meteo-hydrological data and (ii) topographic map on a scale of 1:15,860, which are indispensable for the study of drainage and minor flood protection plan.

(2) Questionnaire Surveys to Local Governments, Cooperatives and Households

The following questionnaire surveys are now undertaken aiming at clarification of current situations of local governments, cooperatives and local peoples, and their general attitudes to rural development activities.

- i. General interview to Upazila and Union chairmen was completed.
- ii. Cooperative Survey (CS): field interview to four (4) UCCA and 100 primary societies are on-going.
- iii. Socio-economic Baseline Survey (SEBS): field interview to 800 households was completed.

The survey is carried out partly by employing the ample experiences of local consultants. The data analyses are now undertaken by applying the data-base analytical method with micro-computers in Dhaka.

(3) Review of Institution and Support

The ministries and agencies concerned with rural development activities in Bangladesh are being studied in terms of their objectives, functions, authorities and responsibilities. The functions of BRDB and its cooperative operation are focused on by paying particular attention to (i) two-tier cooperative structure, (ii) marketing support and (iii) credit schemes.

(4) Others

The following studies are initiated by the data collection and preliminarily analyses.

- i. Socio-economic background of the Project including analyses of agro-census and national development policies
- ii. Inland fishery studies highlighting (i) organization concerned, (ii) cooperative activities, (iii) development potentials as a part of rural development

- iii. Field survey and investigation for preparation of technical specifications for (i) topographic survey, (ii) soil mechanic survey, (iii) drinking water quality test, and (iv) soil survey to be sublet to local contractor(s).
- iv. Other components, i.e. agricultural industry, livestock, intensified homestead production, women in development, etc.

5. Discussion on Technical Note

The JICA Study Team compiled the fact findings obtained through the initial study stage into the Technical Note (T/N), which was submitted to the Counterpart Team on 8th November, 1990. The T/N stipulated (i) current situations, (ii) constraints and (iii) development prospects for the selected project components, namely irrigation, rural roads, growth centers, drinking water supply, and institutional issues. On the basis of the studies of those components, the development concepts (principles of plan formulation) were preliminarily worked out.

All the attendants basically agreed that the Project is to be formulated by attaching higher priority to components for production sector activation, which should be well-linked in line with integrated development concept.

The Counterpart Team requested the JICA Study Team to correct some descriptions in the T/N by referring to the comments (Attachment-2) and to make in-depth study on the following aspects.

(1) Human development

For successful rural development, human development is essential. The Project should place more emphasis on institutional development consisting of five (5) aspects, i.e. organization, training, credit, input supply, and marketing.

(2) Credit schemes under direct management by BRDB

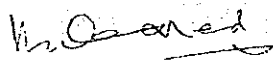
The existing credit schemes for cooperative members are facing two major constraints: (i) complex and time consuming banking sanction and (ii) the less favourable loan conditions of the existing cooperative credits in comparison with ones of other credits accessible for individual farmers. BRDB has studied the possibilities to establish new banking system for cooperative members under direct management by BRDB, namely Rural Development Bank as one of the departments of BRDB by evolving the existing Credit Department.

A project sponsor is to finance BRDB directly. An advisory group sent by the project sponsor will be attached to BRDB in order to supervise the credit operation including setting of eligibility criteria, allocation of credit fund and preparation of disbursement schedule. According to the schedule, credit fund as self-revolution fund will be disbursed and realized directly through the existing BRDB-cooperative channels. This system will largely contribute to timely disbursement of credit and reduced administrative expenditure for loan operation resulting in favourable loan conditions particularly for lower interest. The simplification of credit transaction has been tried to the certain extent currently under the RD-12 project financed by CIDA.

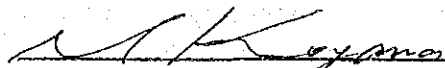
6. Work Schedule

The JICA Study Team requested the Counterpart Team to organize the next Join Meeting on 8th December, 1990, in which the Progress Report (I) will be presented.

(Closed at 4:00 pm)



Mr. Syed Kamaluddin
Director of Planning
Bangladesh Rural Development
Board (BRDB)



Mr. Masayuki Koyama
Acting Team Leader
JICA Study Team

LIST OF ATTENDANTS

I. Counterpart Team (BRDB)

1. Mr. Syed Kamaluddin	Director (Planning)
2. Mr. Hamidur Rahman	Director (Training)
3. Mr. Daudur Rahman	Director (Rural Poor Programme)
4. Mr. S.H. Akhunji	Director (Finance)
5. Mr. M. Akkas Ali	Joint Director (Plan Evaluation and Monitoring)
6. Mr. M.M.R.Osmany	Joint Director (Construction)
7. Mr. Md. Mazharul Islam	Deputy Director (Cooperative)
8. Mr. Md. Zainul Abedin	Deputy Director (Credit)
9. Mr. Md.Tozammel Haque	Deputy Director (Construction)
10. Mr. Mahbubur Rahman	Deputy Director (Planning)
11. Mr. M. Nurul Amin	Deputy Director (Irrigation)
12. Mr. M. Mohsin Miah	Deputy Director (STP)
13. Mr. M. Mowla Bakhsh	Deputy Director (Extension)
14. Mr. A.M. Anwar Hossein	Deputy Director (RD-12)
15. Mr. Md. Abdul Quddus	Assistant Director (Planning)
16. Mr. A.K.M. Nizibul Khan	Assistant Director (Planning)

II. JICA Study Team

1. Mr. Masayuki Koyama	Agronomy/Soils/Land Use
2. Mr. Manabu Masaki	Rural Development
3. Mr. Takeshi Oosawa	Irrigation and Drainage
4. Mr. Hyosaku Goto	Institution and Support
5. Dr. Allapichay Ibrahim	Inland Fishery
6. Mr. Yuichi Fukasaka	Marketing
7. Mr. Yoshikazu Takahashi	Construction Plan/Topographic Survey
8. Mr. Shigeru Takagi	Project Evaluation

Comments on the Technical Note on
Development Concepts
For the MRDP - II Project

Chapter II IRRIGATION DEVELOPMENT

1. One of the major roles played by BRDB in IMP is the preparation and implementation of the training programmes which has not been mentioned under agency roles (page - 5).
2. The composition and functions of UIC (Upazila Irrigation Committee) has been mistakenly described as those of UIT (Upazila Implementation Team) of IMP (pages 5 - 6).
3. The last two sentences of the first chapter on page 6 is totally wrong - should be deleted.
4. In the 4th line of the last chapter on page 6 BADC should replace UIT.
5. Chapter 3 on page 10 suggests ownership of LLP's by BRDB for renting to UCCA's for onward renting to the primary societies which does not seem to be a practical formula. Alternate suggestion may be to sell the LLP's to the KSS's and BSS's (fractional ones) on hire purchase without involving any bank at all.
6. The suggestion on re-allocation of scattered and fragmented land holdings to facilitate installation of DTW's and LLP's needs reconsideration as this does not seem feasible under the present land tenure system.

" " " " " "

Comments on Institutional Development of Master Plan
Study of Model Rural Development Project for Comilla
District Technical note on Development Concept for
the project.

Page-23.

6.1.1. :- There is no Co-ordination problem of UCCA with BRDB.

(1) The Managing Committee resolution is not always submitted to the Project Director for approval. In some cases where it is necessary as per circular/Instruction it is submitted to the Project Director.

(i) This is not correct, what he does about employees it is done as per decision of the Managing Committee.

ii) He does these functions as per decision of the Managing Committee.

iii) He has no direct control in the above activities.

vii) BRDB does not control the activities of the Managing Committee. He helps the Managing Committee in the correct decision in the meeting.

Page-24.

(3) The election procedure for Managing Committee of Primary Co-operative Societies had been made easier unlike procedure of UCCA Managing Committee.

5(i) Last two sentences are not correct.

page-28.

(g) Decision making ; There is no limit in respect of Co-ordination of BRDB with UCCA.

Page-31.

(3) "Only 1% loans had repayment period of 61 months or more"-
This is not clear.

ATTACHMENT - IV

MINUTES OF MEETING ON INTERIM REPORT

May 9, 1991

MINUTES OF MEETING
ON
THE INTERIM REPORT FOR THE MASTER PLAN STUDY ON
THE MODEL RURAL DEVELOPMENT PROJECT PHASE-II FOR
KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS

1. Date : May 9, 1991
2. Place : Conference Room of the Bangladesh Rural Development Board (BRDB)
3. Attendants : As in Attachment
4. General

The Japan International Cooperation Agency (JICA) Study Team has arrived in Dhaka on April 27, 1991 and the Study Team paid courtesy calls to the Authorities concerned. Twenty (20) copies of the Interim Report for the Model Rural Development Project Phase II for Kachua, Nabinagar, Bancharampur and Debidwar Upazilas were submitted thereto in accordance with the Scope of Work (S/W) concluded on December 13, 1989 between the Government of Bangladesh (GOB) and the Government of Japan (GOJ) through Bangladesh Rural Development Board (BRDB) and Local Government Engineering Bureau (LGEB) of the GOB side and JICA of the GOJ side.

A joint meeting on the Interim Report were held between the JICA Study Team and his counterpart personnels appointed by BRDB as well as LGEB on May 9, 1991 under the chairmanship of Dr. Shah Mohammad Farid. After official opening by the chairman, the JICA Study Team explained the Report.

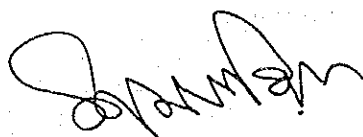
The GOB presented their comments on the selected priority projects. The JICA Study Team basically accepted to pay all their efforts to take up the GOB's requests in the Draft Final Report provided that the GOB makes arrangement for the availability of all the data and information including topographic maps (approximately 1:15,000 scaled) indispensable for the feasibility study of the priority projects within a week.

5. Confirmation

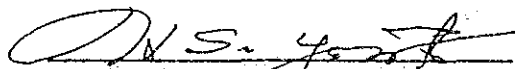
The followings are mutually confirmed through discussion and agreed upon by all the attendants.

- (1) The Interim Report was prepared on the basis of the Progress Report I submitted in December, 1990. All the comments by the GOB side on the Progress Report I were fully taken into consideration in the Interim Report.
- (2) The Stage-II study will be made for (i) elaboration of the master plan stipulated in the Interim Report and (ii) execution of plan formulation of the following four (4) priority projects selected through the stage-I study at the feasibility study level.
 - i. Irrigation development by promotion of low lift pumps (LLP)
 - ii. Improvement of the existing feeder roads
 - iii. Improvement of the growth centers
 - iv. Creation of employment opportunities and income generation through cooperative activities
- (3) Irrigation water resources in the study area shall be comprehensively studied. Based on the study, a plan for water resources development shall be formulated at the master plan level.
- (4) Irrigation development by LLP has been selected as the priority project in the Interim Report. Drainage improvement for minor drains and creeks, as well as irrigation development, seems to be essential for crop production in the study area. Minor drainage improvement shall be incorporated in the priority project.
- (5) Rural roads are essential for the economic activities in the rural area. In addition to the improvement of existing feeder roads, therefore, provision of the related structures to rural roads shall be incorporated in the priority project.
- (6) Navigational aspects are taken into account in the study of rural transportation at the master plan level.

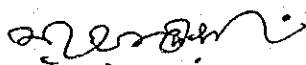
- (7) Within the framework of the priority project (iv) mentioned above, an examination will be carried out on the feasibility of new credit scheme to be managed directly by BRDB aiming at timely disbursement of credit and reduced administrative expenditure for credit operation. The GOB side, through BRDB, will provide all the information concerning the new banking system introduced to RD-12 with the CIDA finance by May 12, 1991.



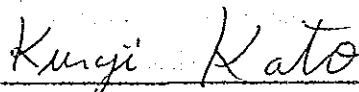
Dr. Shah Mohammad Farid
Director General
Bangladesh Rural Development
Board (BRDB)



Mr. Hiroshi Yamamoto
Team Leader for
JICA Study Team



Mr. Md. Monowar Hossain Chowdhury
For Engineering Adviser
Local Government Engineering
Bureau (LGEB)



Mr. Kuraji Kato
Member of Advisory Committee
JICA

LIST OF ATTENDANTSBangladesh side

(BRDB)

- | | | |
|----|----------------------------|---|
| 1. | Dr. Shah Mohammad Farid | Director General |
| 2. | Mr. Syed Kamaluddin | Director (Planning) |
| 3. | Mr. M. Akkas Ali | Joint Director (Plan Evaluation and Monitoring) |
| 4. | Mr. Md. Mazharul Islam | Deputy Director (Cooperative) |
| 5. | Mr. Mahbubur Rahman | Deputy Director (Planning) |
| 6. | Mr. Md. Jahangir Chowdhury | Deputy Director (Monitoring) |
| 7. | Mr. A. Anwar Hossain | Deputy Director (RD-12) |
| 8. | Mr. M. Mohsin Miah | Deputy Director (Adm-2) |
| 9. | Mr. Md. Mowla Bakhshi | Deputy Director (DTW-II Project) |

(LGEB)

- | | | |
|----|---------------------------|--------------------------|
| 1. | Mr. Qamrul Islam Siddique | Engineering Advisor |
| 2. | Mr. Saroj Kumar Sarker | Executive Engineer, LGEB |

Japanese side

(Study Team)

- | | | |
|----|-------------------------|--------------------------------------|
| 1. | Mr. Hiroshi Yamamoto | Team Leader |
| 2. | Mr. Masayuki Koyama | Agronomy/Soils/Land Use |
| 3. | Mr. Manabu Masaki | Rural Development |
| 4. | Mr. Takeshi Oosawa | Irrigation and Drainage |
| 5. | Dr. Allahpichay Ibrahim | Inland Fishery |
| 6. | Mr. Yuichi Fukasaka | Marketing |
| 7. | Mr. Yoshikazu Takahashi | Construction Plan/Topographic Survey |
| 8. | Mr. Shigeru Takagi | Project Evaluation |

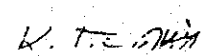
(Advisory Committee)

- | | | |
|----|-----------------|------------------------------------|
| 1. | Mr. Kuraji Kato | Member of Advisory Committee, JICA |
|----|-----------------|------------------------------------|

(JICA)

- | | | |
|----|---------------------|------------------------|
| 1. | Mr. Katsumi Ootani | JICA Headquarters |
| 2. | Mr. Hiroshi Umezaki | JICA Bangladesh Office |
| 3. | Mr. Kozo Yamakawa | JICA Bangladesh Office |





ATTACHMENT - V

MINUTES OF MEETING ON PROGRESS REPORT II

June 18, 1991

MINUTES OF MEETING
ON
THE INTERIM REPORT FOR THE MASTER PLAN STUDY ON
THE MODEL RURAL DEVELOPMENT PROJECT PHASE-II FOR
KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS

1. Date : June 18, 1991
2. Place : Conference Room of the Bangladesh Rural Development Board (BRDB)
3. Attendants : As in Attachment
4. General

At the completion of the field work of Stage II, the Japan International Cooperation Agency (JICA) Study Team has compiled all their study results into Progress Report II and forwarded its 20 copies to the Bangladesh side on June 17, 1991.

A Joint Meeting on the Progress Report II was held between the JICA Study Team and the counterpart personnels appointed by BRDB as well as LGEB on June 18, 1991 under the chairmanship of Mr. Syed Kamal Uddin, Director of Planning of BRDB. After official opening, the JICA Study Team explained the Report. In response to the explanation, the GOB side presented their comments. As a result of the discussion, the followings were mutually confirmed by all the attendants.

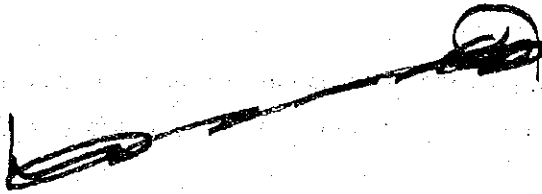
5. Confirmation

5.1 Official Comments

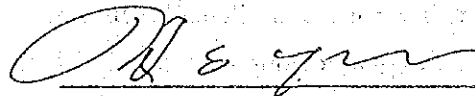
All the comments will be officially submitted to the JICA Bangladesh Office by June 30, 1991, which will be transferred to the JICA Study Team through the JICA's official channel. They will be incorporated into Draft Final Report to be submitted to the GOB side in September, 1991. Due to tight schedule for report preparation, it will be highly difficult to take up further comments given after the said date.

5.2 Amendments in Progress Report II

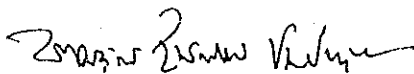
- (1) On page 39, "control" on 5th line should be deleted.
- (2) On page 39, "promotion of the cooperative movement" is not only the activity of DOC but of BRDB. It should be added the main activities of BRDB on page 38.
- (3) On page 41, "Most of the above-mentioned officers are occupied by privileged class farmers who have a lot of land in the union." should be deleted unless actual statistics or analytical data are available.
- (4) On page 128, the purposes of fractional pump promotion should be discussed also from the viewpoint of inland fishery.
- (5) On page T-9, the problems arising from private money lenders would also be analyzed if the relevant data are available.
- (6) Feeder road improvement plan in Nabinager Upazila should be included as the priority project.



Mr. Dr. S.A. Salik
Director General
Bangladesh Rural Development
Board (BRDB)



Mr. Hiroshi Yamamoto
Team Leader for
JICA Study Team



Mr. ~~Mr.~~ Qamrul Islam Siddique
Engineering Adviser
Local Government Engineering
Bureau (LGEB)

LIST OF ATTENDANTSBangladesh side

(BRDB)

- | | | |
|----|----------------------------|---|
| 1 | Mr. Syed Kamaluddin | Director (Planning) |
| 2 | Mr. M. Akkas Ali | Joint Director (Plan Evaluation and Monitoring) |
| 3. | Mr. Md. Mazharul Islam | Deputy Director (Cooperative) |
| 4. | Mr. Mahbubur Rahman | Deputy Director (Planning) |
| 5. | Mr. Md. Jahangir Chowdhury | Deputy Director (Monitoring) |
| 6. | Mr. M. Mohsin Miah | Deputy Director (Adm-2) |
| 7. | Mr. Nurul Amin | Deputy Director (Comilla) |
| 8. | Mr. Md. Mowla Baksh | Deputy Director (DTW-II Project) |
| 9. | Mr. Md. Abdul Quddins | Assistant Director (Planning) |

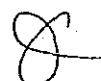
(LGEB)

- | | | |
|----|--------------------------|-------------------------|
| 1. | Mr. Md. Ataullah Bhuiyan | Superintendent Engineer |
|----|--------------------------|-------------------------|

Japanese side

(Study Team)

- | | | |
|----|-------------------------|--------------------------------------|
| 1. | Mr. Hiroshi Yamamoto | Team Leader |
| 2. | Mr. Masayuki Koyama | Agronomy/Soils/Land Use |
| 3. | Mr. Manabu Masaki | Rural Development |
| 4. | Mr. Takeshi Oosawa | Irrigation and Drainage |
| 5. | Mr. Jun-ichiro Kawakami | Institution & Support System |
| 6. | Mr. Yoshikazu Takahashi | Construction Plan/Topographic Survey |
| 7. | Mr. Shigeru Takagi | Project Evaluation |



ATTACHMENT - VI

MINUTES OF MEETING ON DRAFT FINAL REPORT

August 27, 1991

MINUTES OF MEETING

ON

DRAFT FINAL REPORT ON THE MASTER PLAN STUDY ON THE MODEL RURAL DEVELOPMENT PROJECT PHASE-II FOR KACHUA, NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS

1. Date : August 27, 1991
2. Place : Conference Room of the Bangladesh Rural Development Board (BRDB)
3. Attendants : As in Attachment
4. General

At the completion of the home office work of Stage II, the Japan International Cooperation Agency (JICA) Study Team has compiled all their study results into the Draft Final Report and forwarded its 20 copies to the Bangladesh side on August 25, 1991.

A Joint Meeting on the Draft Final Report was held between the JICA Study Team and the counterpart personnels appointed by BRDB as well as LGEB on August 27, 1991 under the chairmanship of Mr. Syed Marghub Murshed, Director General of BRDB.

Firstly, all the attendants confirmed that all the official comments on Progress Report II submitted by BRDB and LGEB were incorporated into the Draft Final Report according to the mutual agreement attained in the previous joint meeting held on June 18, 1991. Secondly, the JICA Study Team explained the contents of the Draft Final Report. In response to the explanation, the GOB side made their comments. As a result of the discussion, in principle, the Draft Final Report was accepted by the GOB side. The followings were discussed and mutually confirmed in the joint meeting.

5. Discussion and Confirmation

5.1 Discussion and Confirmation on the Draft Final Report

- (1) Training aspects are important for successful implementation of the priority projects of MRDP II. The Draft Final Report takes up only the training programmes required for implementation of the priority projects. The contents of training are

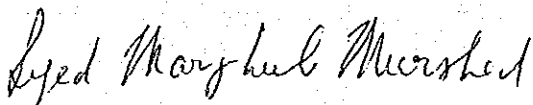


more important than provision of facilities and equipments for general training purposes.

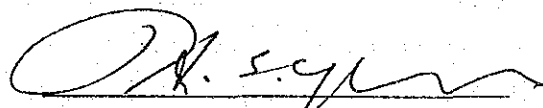
- (2) Because of the purposes of the Study, i.e. plan formulation, the Draft Final Report does not mention fund sources as well as further financial arrangement for MRDP II.
- (3) The implementation of UCCA facilities will be executed by BRDB's construction section.
- (4) The responsible organization for road construction and maintenance should be properly described on page 20 of the main report.
- (5) The GOB contribution should be clarified in the report in terms of budgetary arrangement, staffing, etc.

5.2 Official Comments on the Draft Final Report

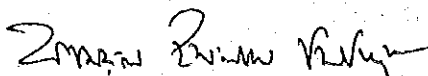
The further comments by BRDB and LGEB on the Draft Final Report will be submitted directly to the JICA Study Team by September 25, 1991 without any delay. They are to be incorporated into the Final Report to be submitted to the GOB side by December, 1991.



Mr. Syed Marghub Murshed
Director General
Bangladesh Rural Development
Board (BRDB)



Mr. Hiroshi Yamamoto
Team Leader for
JICA Study Team



Mr. Qamrul Islam Siddique
Engineering Adviser
Local Government Engineering
Bureau (LGEB)

LIST OF ATTENDANTSBangladesh side

(BRDB)

- | | |
|--------------------------------|--|
| 1. Mr. Syed Marghub Murshed | Director General |
| 2. Mr. Syed Kamal Uddin | Director (Planning) |
| 3. Mr. Shafiul Alam | Director (Finance) |
| 4. Mr. Daudur Rahman | Director (RD-12) |
| 5. Mr. Hamidur Rahman | Director (Training) |
| 6. Mr. M. Akkas Ali | Joint Director (Planning, Evaluation and Monitoring) |
| 7. Mr. Mahbubur Rahman | Deputy Director (Planning) |
| 8. Mr. Md. Jahangir Chowdhury | Deputy Director (Programming) |
| 9. Mr. Nurul Amin | Deputy Director (Comilla) |
| 10. Mr. A.M. Anwar Hossain | Deputy Director (RD-12) |
| 11. Mr. Abul Hussain | Deputy Director (Training) |
| 12. Mr. Md. Abdul Quddus | Assistant Director (Planning) |
| 13. Mr. A.T.M. Monowarul Islam | Assistant Director (Planning) |
| 14. Mr. M. Harunur Rasid | Assistant Director (TMPS) |
| 15. Mr. Md. Fakhruul Hussain | Artist (TMPS) |

(LGEB)

- | | |
|--------------------------------------|-------------------------|
| 1. Mr. Md. Monowar Hossain Chowdhury | Superintendent Engineer |
| 2. Mr. Md. Ataullah Bhuiyan | Superintendent Engineer |
| 3. Mr. Saroj Kumar Sarker | Executive Engineer |

Japanese side

(Study Team)

- | | |
|-------------------------|-------------------------|
| 1. Mr. Hiroshi Yamamoto | Team Leader |
| 2. Mr. Masayuki Koyama | Agronomy/Soils/Land Use |
| 3. Mr. Manabu Masaki | Rural Development |

(Advisory Committee)

- | | |
|---------------------------|--|
| 1. Dr. Shoichiro Nakagawa | Chairman, Advisory Committee for MRDP II |
|---------------------------|--|

(JICA)

- | | |
|----------------------|-------------------|
| 1. Mr. Katsumi Otani | JICA Headquarters |
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