

付 図

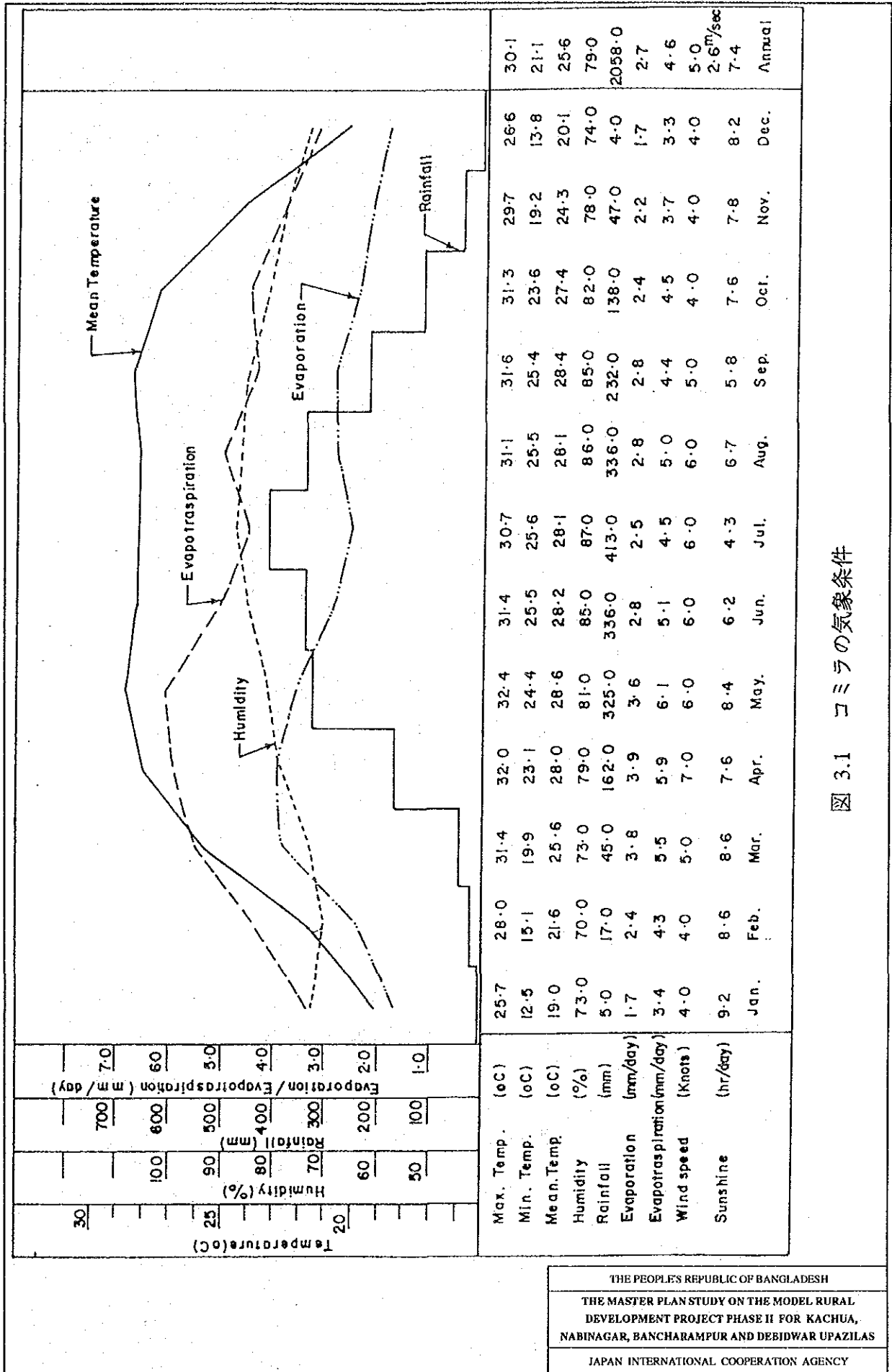


図 3.1 コミラの気象条件

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

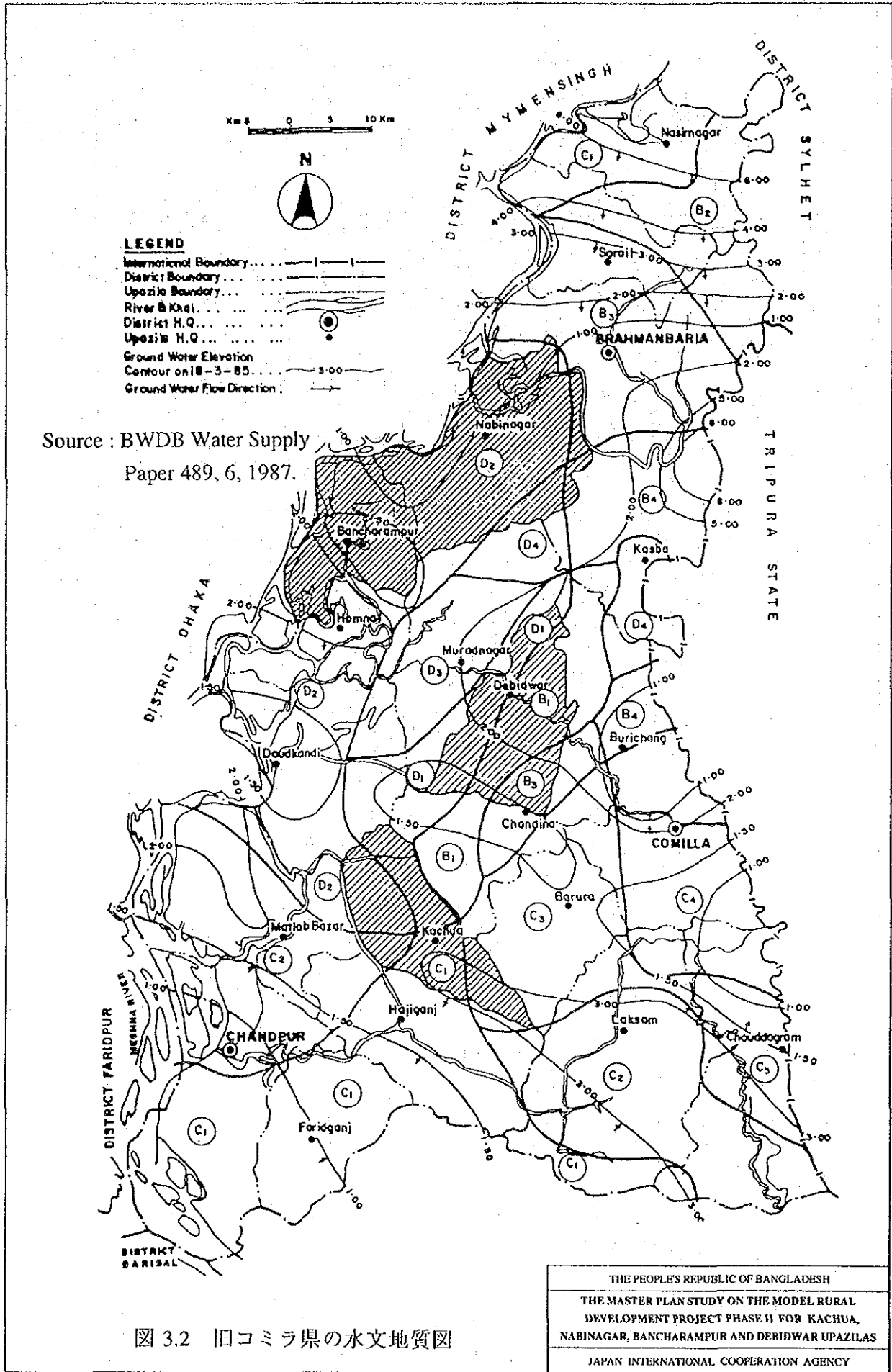


図 3.2 旧コミラ県の水文地質図

Landtype	Area in		J	F	M	A	M	J	J	A	S	O	N	D
	ha	%												
Medium High Land 5,864 ha (F1)	700	11.94	Wheat			T. Aus (L)				T. Aman (L)				Wheat
	368	6.28	Potato			T. Aus (L)				T. Aman (L)				Potato
	632	10.78	Pulse			T. Aus (HYV)				T. Aman (HYV)				Pulse
	460	7.84	Mustard			T. Aus (HYV)				T. Aman (HYV)				Mustard
	338	5.76	Pulse			T. Aus (HYV)				T. Aman (HYV)				Pulse
	690	11.77	Boro (HYV)								T. Aman (L)			Boro (HYV)
	319	5.44	Potato			B. Aus (L)				T. Aman (HYV)				Potato
	685	11.68	Potato							T. Aman (HYV)				Potato
	900	15.35	Wheat			B. Aus (L)				T. Aman (HYV)				Wheat
	622	10.61	Mustard			B. Aus (L)				T. Aman (HYV)				Mustard
150	2.56	Chilli			B. Aus (L)								Chilli	
Medium Low Land 6,358 ha (F2)	602	9.47	Mustard			T. Aus (HYV)				T. Aman (HYV)				Mustard
	845	13.29	Boro (HYV)			B. Aman (L)								Boro (HYV)
	1596	25.1	Pulse			B. Aman (L)								Pulse
	1680	26.42	Wheat			B. Aman (L)								Wheat
	820	12.90	Potato			B. Aman (L)								Potato
	815	12.82	Potato			Jute								Potato
Low Land 5,025 ha (F3)	54	1.08	Boro (L)											Boro (L)
	1861	37.04	Boro (HYV)											Boro (HYV)
	841	16.74	Boro (HYV)				B. Aman (L)							Boro (HYV)
	600	11.94	Vegetable											Vege.
	844	17.59	Pulse			B. Aman (L)								Pulse
	100	1.99	Boro (HYV)				T. Aus (L)							Boro (HYV)
	685	13.63	B. Aus (L)											

図 3.3 作付体系 (1/4) (カチユア郡)

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 JAPAN INTERNATIONAL COOPERATION AGENCY

Landtype	Area in		J	F	M	A	M	J	J	A	S	O	N	D
	ha	%												
Medium High Land 10720 ha (F1)	298	2.78	Pulse			T. Aus (HYV)				T Aman (L)				Pulse
	209	1.95	Mustard			T. Aus (HYV)				T Aman (L)				Mustard
	1296	12.09	Wheat				T. Aus (L)			T. Aman (HYV)				Wheat
	1693	15.79	Mustard				T. Aus (L)			T Aman (L)				Mustard
	180	1.68	Chilli				Jute			T. Aman (HYV)				Chilli
	2118	19.76	Boro (HYV)					Jute						Boro (HYV)
	419	3.91	Potato				Jute			T. Aman (L)				Potato
	1622	15.13	Boro (HYV)							B. Aman (L)				Boro (HYV)
	2885	26.91	Boro (HYV)							B. Aus (L)				Boro (HYV)
	Medium Low Land 9843 ha (F2)	960	9.75	Boro (HYV)							B. Aman (L)			
22		0.22	Sesame							B. Aman (L)				Sesame
641		6.51	Boro (HYV)					T. Aus (L)						Boro (HYV)
276		2.8	Potato					T. Aus (HYV)						Potato
849		8.63	Mustard					T. Aus (HYV)						Mustard
697		7.08	Boro (HYV)							B. Aus (L)				Boro (HYV)
60		0.61	Chilli							B. Aman (L)				Chilli
629		6.39	Wheat							B. Aman (L)				Wheat
865		8.79	Pulse							B. Aman (L)				Pulse
417		4.24	Mustard							B. Aman (L)				Mustard
855		8.69	Wheat							B. Aman (L)				Wheat
3,173		32.24	Boro (HYV)											Boro (HYV)
400		4.06	Vegetable											Veg.
Low Land 4100 ha (F3)		548	13.37	Pulse							B. Aman (L)			
	493	12.02	Mustard							B. Aman (L)				Mustard
	519	12.66	Pulse							Mixed B. Aus and B. Aman				Pulse
	540	13.17	Boro (L)							B. Aman (L)				Boro (L)
	2000	48.78	Boro (HYV)											Boro (HYV)

図 3.3 作付体系 (2/4) (ナビナガル郡)

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 JAPAN INTERNATIONAL COOPERATION AGENCY

Landtype	Area in		J	F	M	A	M	J	J	A	S	O	N	D
	ha	%												
Medium High Land 2965 ha (F1)	168	5.66	Veg.			T Aus (HYV)				T Aman (HYV)				Veg.
	271	9.13	Veg.			Sesame				T Aman (HYV)				Veg.
	296	9.98	Chilli			T Aus (L)				T Aman (L)				Chilli
	986	33.25	Mustard			T Aus (L)								Mustard
	133	4.48		Boro			Sesame				T Aman (L)			Boro (H)
	467	15.75				Boro (HYV)					T Aman (HYV)			
	497	16.76	Wheat			Mixed B. Aman			and B Aman					Wheat
	147	4.95	Wheat			T Aus (L)					T Aman (L)			Wheat
Medium Low Land 6828 ha (F2)	2678	39.22	Wheat			T Aus (HYV)								Wheat
	115	1.68	Wheat							T Aman (L)				Wheat
	937	13.72		Boro (HYV)					T Aus (L)					Boro (H)
	326	4.77		Boro (HYV)					Jute					Boro (H)
	219	3.21	Potato				Jute				T Aman (HYV)			Potato
	265	3.88	Potato				Jute							Potato
	321	4.70	Mustard				Jute							Mustard
	437	6.4	Wheat				Jute							Wheat
	468	6.85	Mustard				T Aus (HYV)							Mustard
	892	13.06	Wheat							B. Aman				Wheat
	170	2.49	Potato							B. Aman				Potato
Low Land 7603 ha (F3)	2610	34.33				Mixed B. Aman				and B Aman				
	306	4.02				Boro								
	1790	23.54							B. Aman					
	1836	24.15	Pulses						B. Aman					Pulses
	117	1.54	Pulses				T Aus (HYV)							Pulses
	467	6.14	Potato				T Aus (HYV)							Potato
	477	6.27	Potato						B. Aman					Potato

図 3.3 作付体系 (3/4) (バンチャランプール郡)

THE PEOPLE'S REPUBLIC OF BANGLADESH
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 DEVELOPMENT PROJECT PHASE II FOR KACHUA,
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 JAPAN INTERNATIONAL COOPERATION AGENCY

Landtype	Area in		J	F	M	A	M	J	J	A	S	O	N	D
	ha	%												
High Land 480 ha (F1)	193	40.21	Wheat			T. Aus (L)				T. Aman (HYV)				Wheat
	135	28.13	Wheat			T. Aus (HYV)				T. Aman (HYV)				Wheat
	66	13.75	Mustard			T. Aus (L)				T. Aman (HYV)				Mustard
	86	17.92	Vege.			B. Aus (L)				T. Aman (HYV)				Vege.
Medium High Land 10500 ha (F2)	1103	10.51	Boro (HYV)							B. Aman (L)				Boro (HYV)
	1523	14.51	Boro (HYV)							T. Aman (HYV)				Boro (HYV)
	775	7.38	Pulse			Jute				T. Aman (HYV)				
	1871	17.82	Potato			T. Aus (L)				T. Aman (HYV)				Potato
	752	7.16	Wheat			T. Aus (L)				T. Aman (L)				Wheat
	853	8.12	Wheat			T. Aus (HYV)				T. Aman (HYV)				Wheat
	1093	10.41	Wheat			T. Aus (L)				T. Aman (HYV)				Wheat
	297	2.83	Pulse			T. Aus (L)				T. Aman (HYV)				Pulse
	784	7.47	Mustard			B. Aus (L)				T. Aman (HYV)				Mustard
	553	5.27	Boro (HYV)			T. Aus (L)								Boro (HYV)
	400	3.81	Potato			B. Aus (L)				T. Aman (HYV)				Potato
496	4.72	Mustard			T. Aus (L)				T. Aman (HYV)				Mustard	
Medium Low Land 8125 ha (F3)	1928	23.73	Wheat							B. Aman (L)				Wheat
	3365	41.42								T. Aman (HYV)				
	661	8.41	Vegetable			B. Aus (L)				T. Aman (L)				Vege.
	987	12.15				T. Aus (L)				T. Aman (HYV)				
	744	9.16	Mustard			B. Aus (L)				T. Aman (L)				Mustard
440	5.42	Potato			T. Aus (L)								Potato	
Low Land 3912 ha (F4)	2398	61.30								B. Aman (L)				
	522	13.34								T. Aman (HYV)				
	32	0.82	Pulse							B. Aman (L)				Pulse
	498	12.73	Boro (HYV)							T. Aman (HYV)				Boro (HYV)
	462	11.81	Vegetable							B. Aman (L)				Vege.

図 3.3 作付体系 (4/4) (デビッドウォール郡)

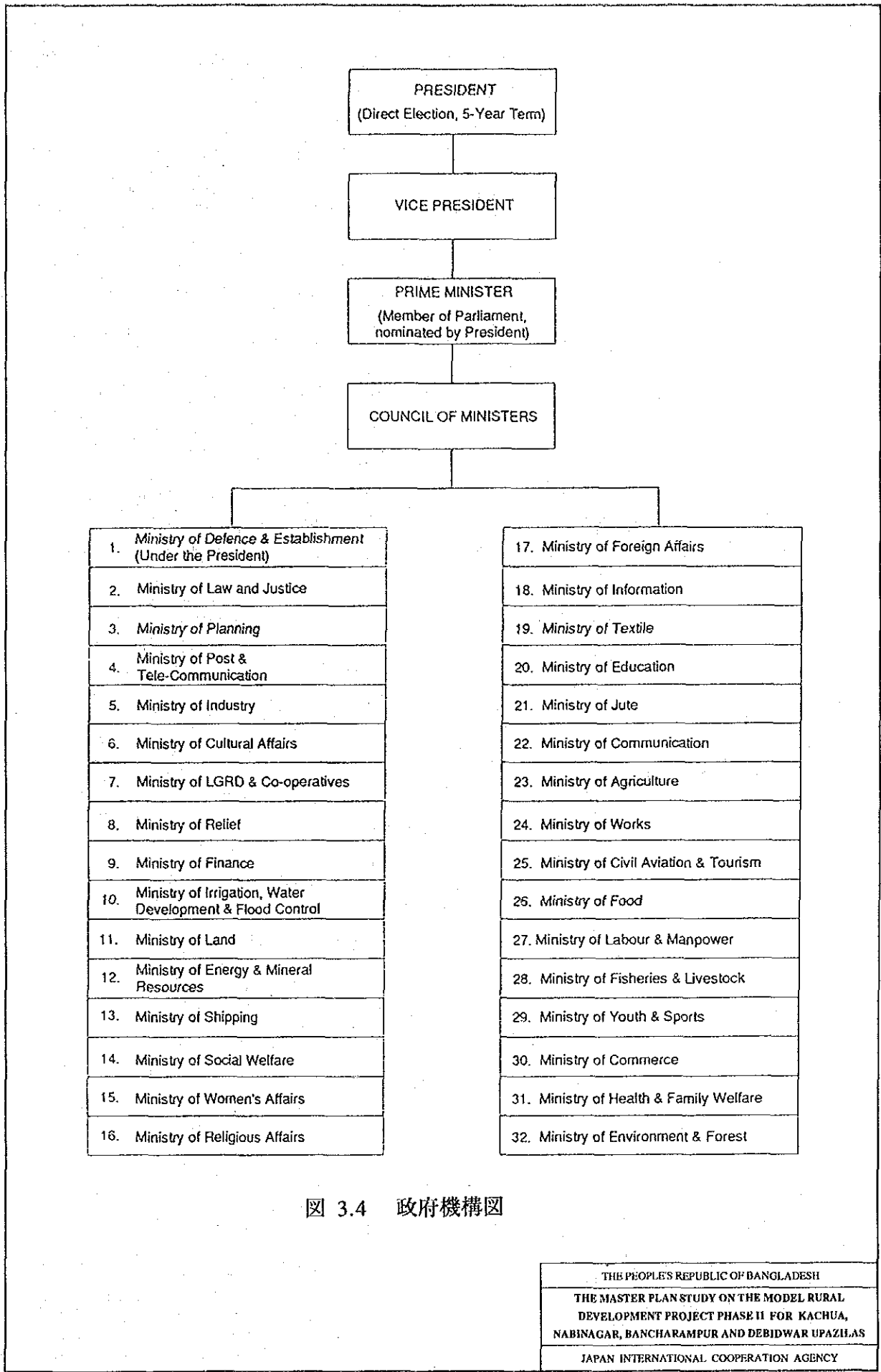


図 3.4 政府機構図

THE PEOPLE'S REPUBLIC OF BANGLADESH
 THE MASTER PLAN STUDY ON THE MODEL RURAL
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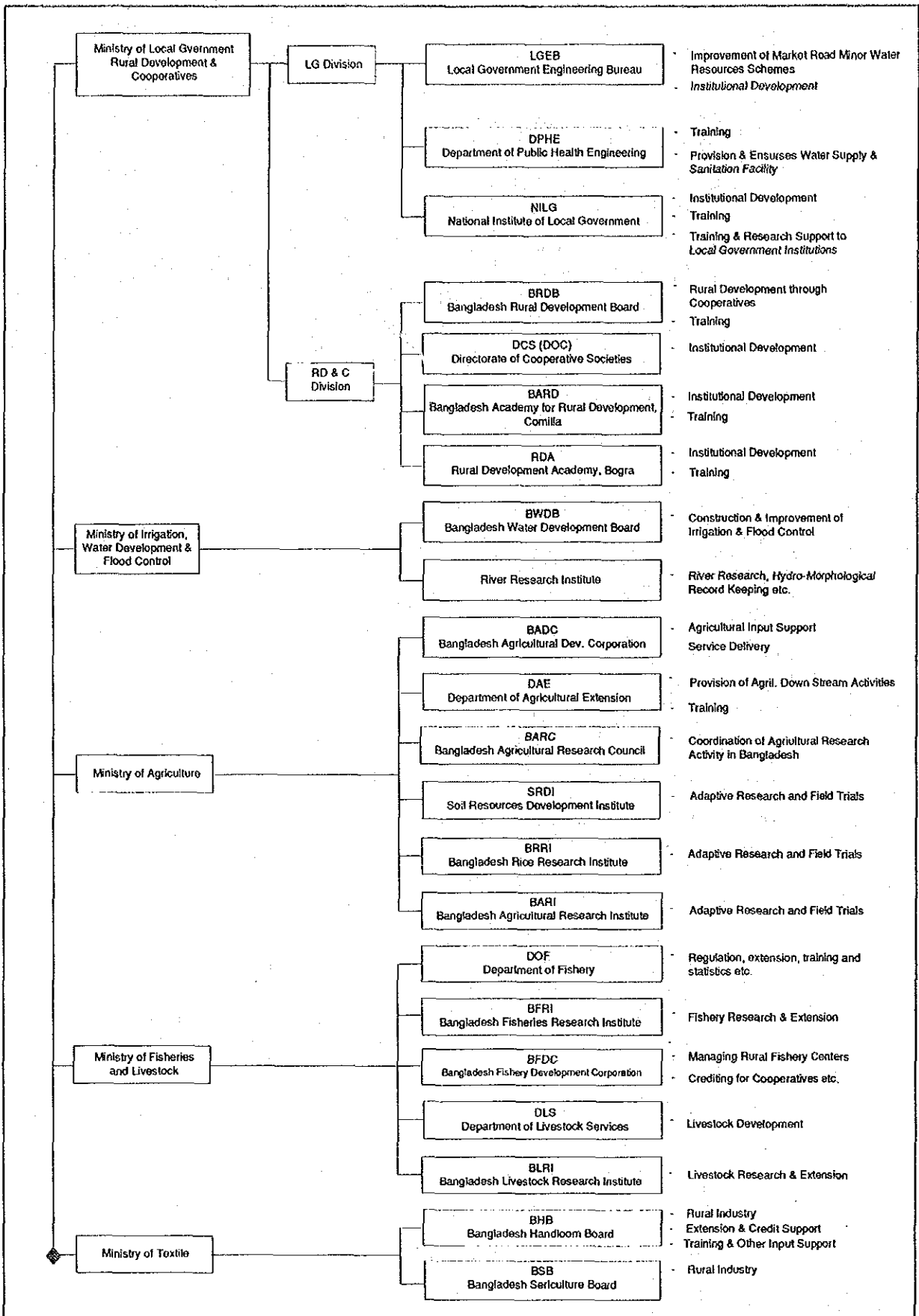


图 3.5 農村開発関係政府機構図 (1/2)

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

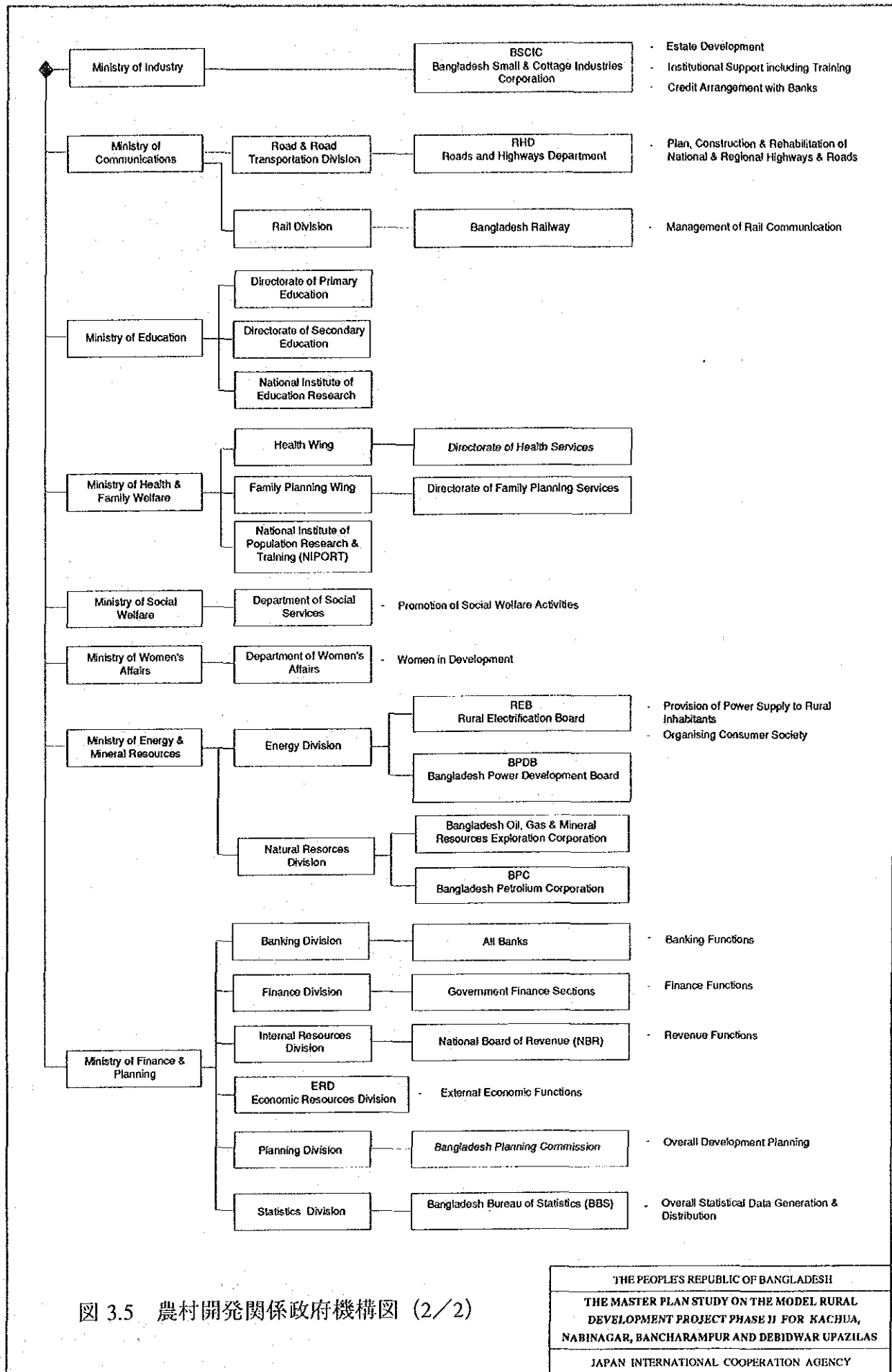
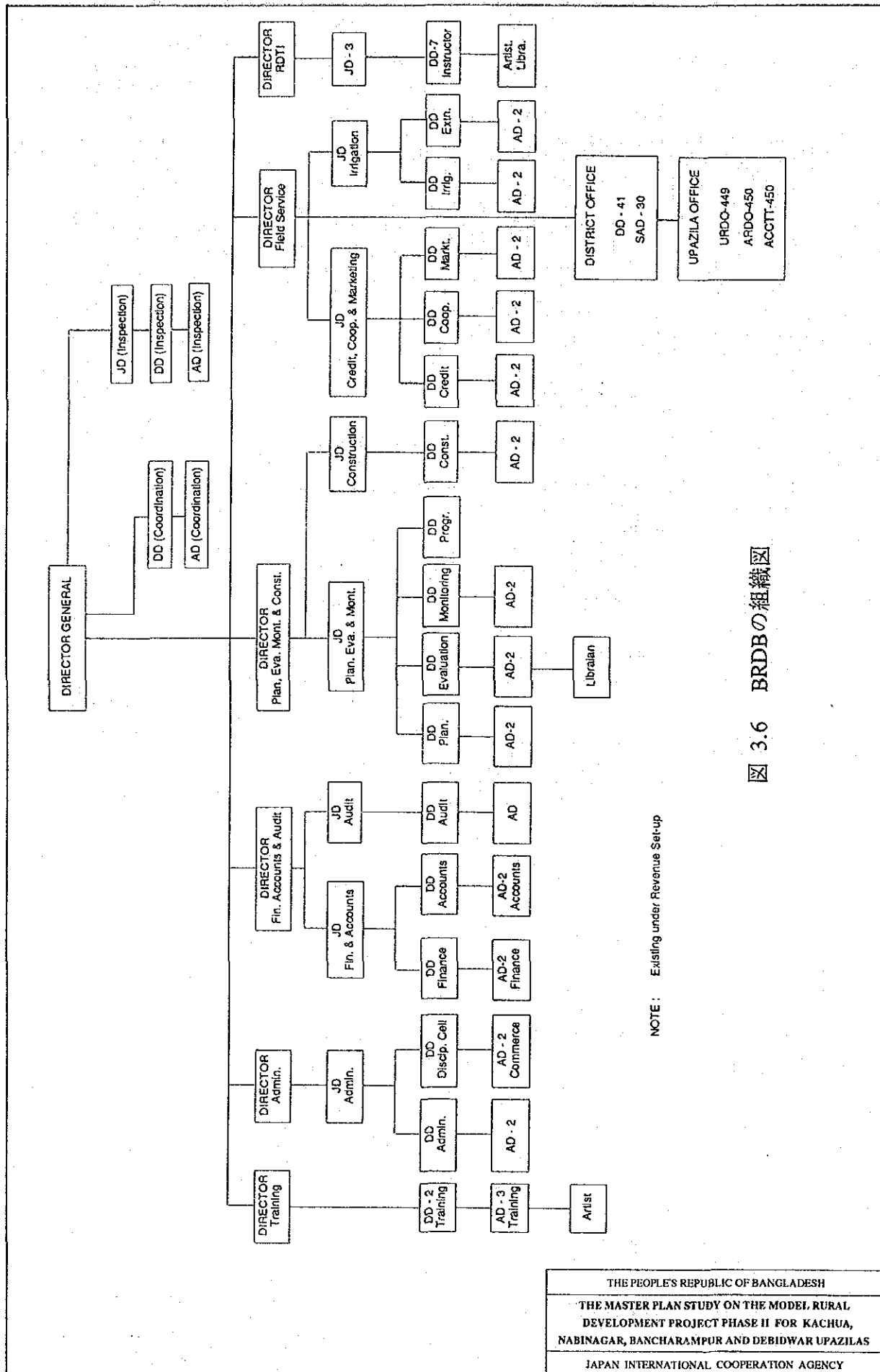


図 3.5 農村開発関係政府機構図 (2/2)

THE PEOPLE'S REPUBLIC OF BANGLADESH
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 JAPAN INTERNATIONAL COOPERATION AGENCY



3.6 BRDBの組織図

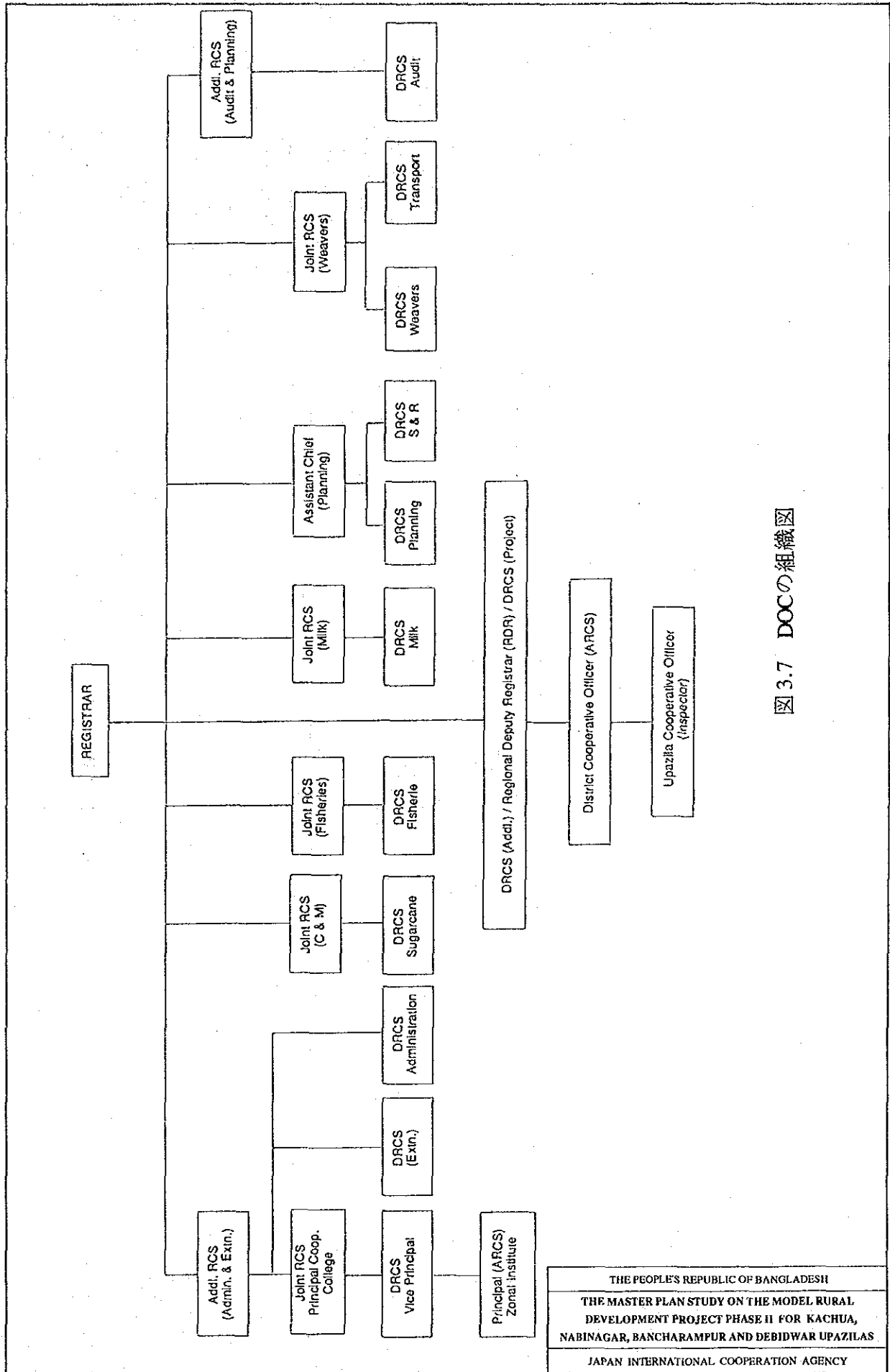


図 3.7 DOCの組織図

THE PEOPLE'S REPUBLIC OF BANGLADESH
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 DEVELOPMENT PROJECT PHASE II FOR KACHUA,
 NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
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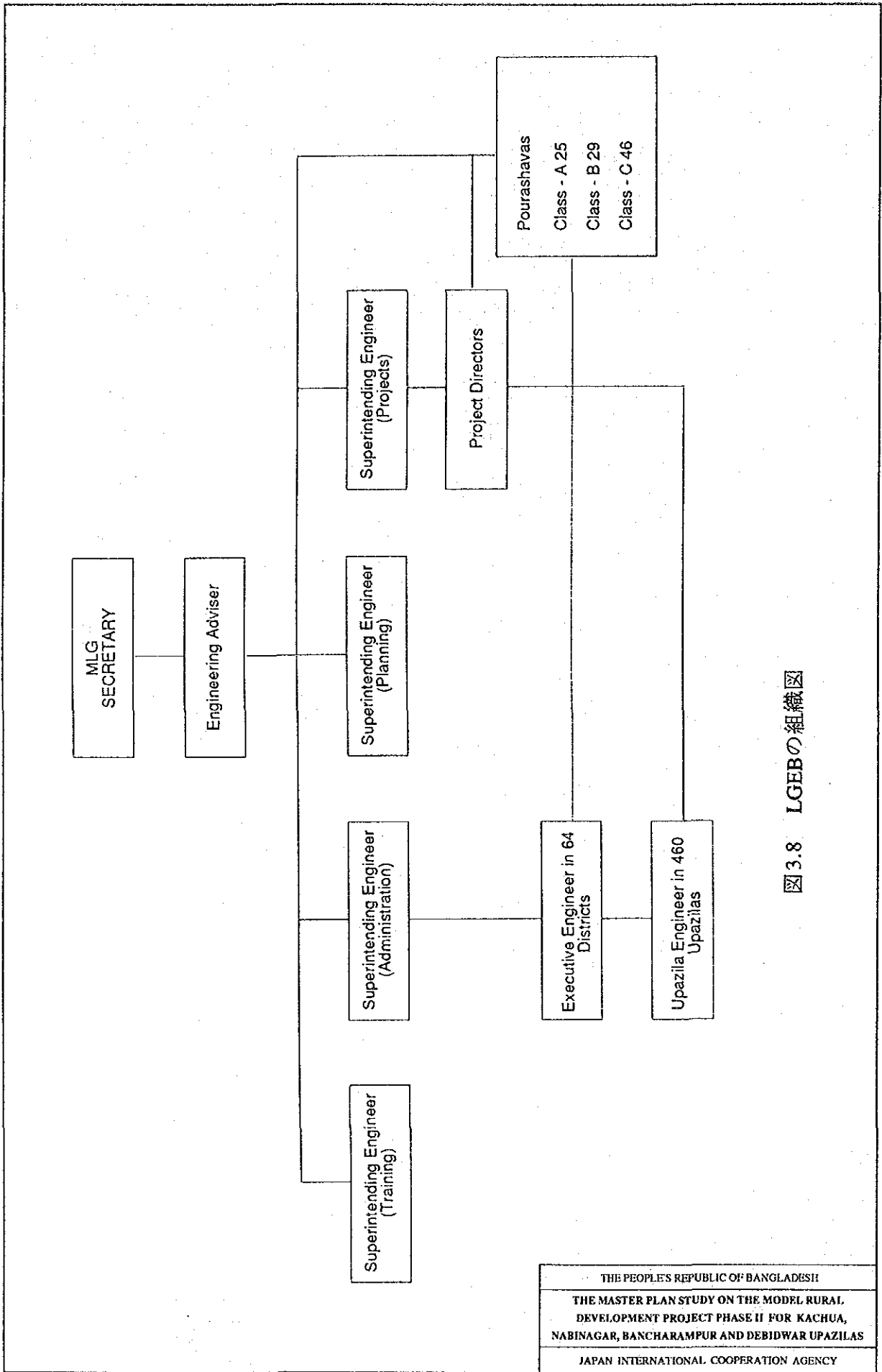


図 3.8 LGEBの組織図

THE PEOPLE'S REPUBLIC OF BANGLADESH
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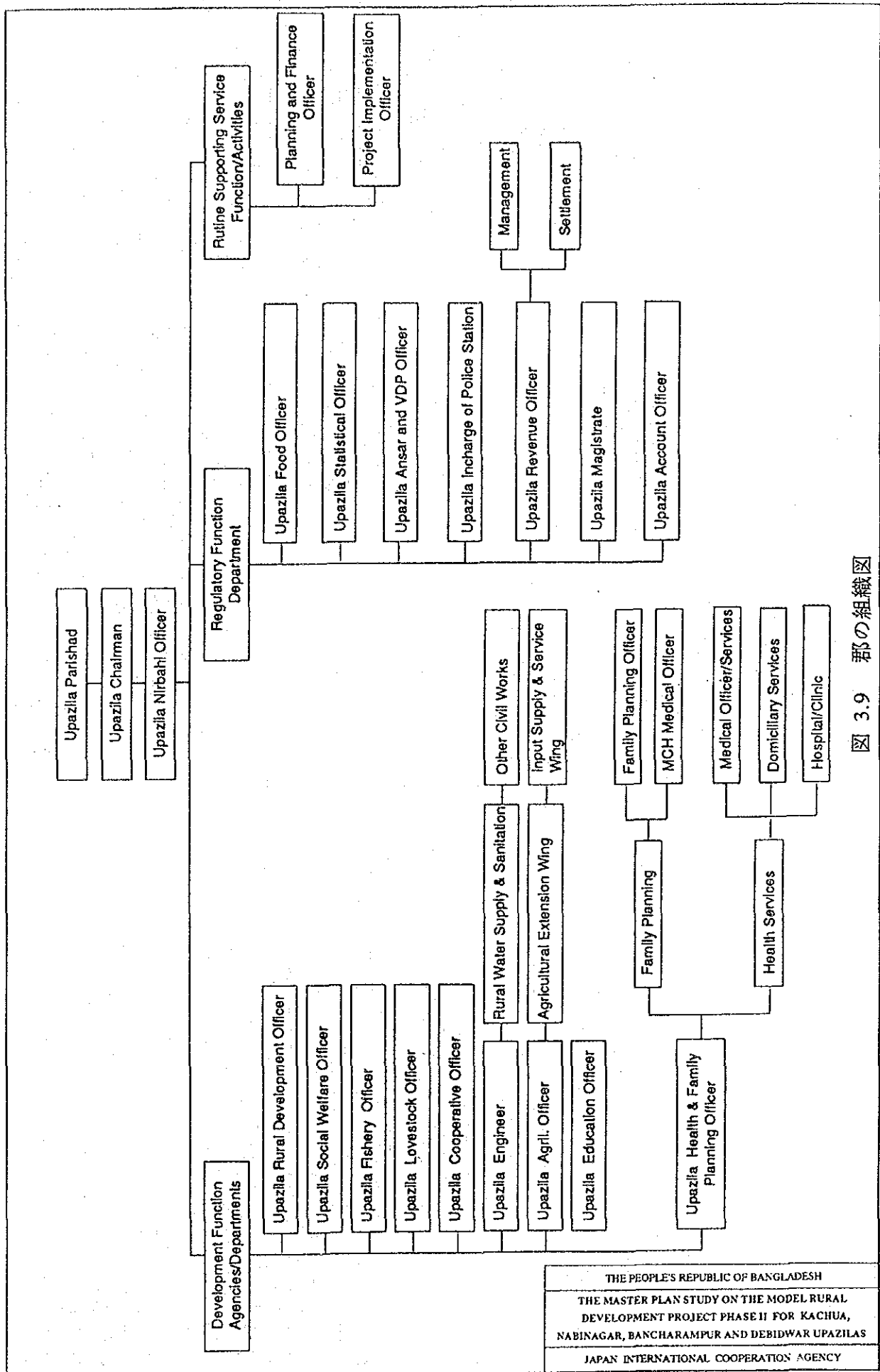


図 3.9 郡の組織図

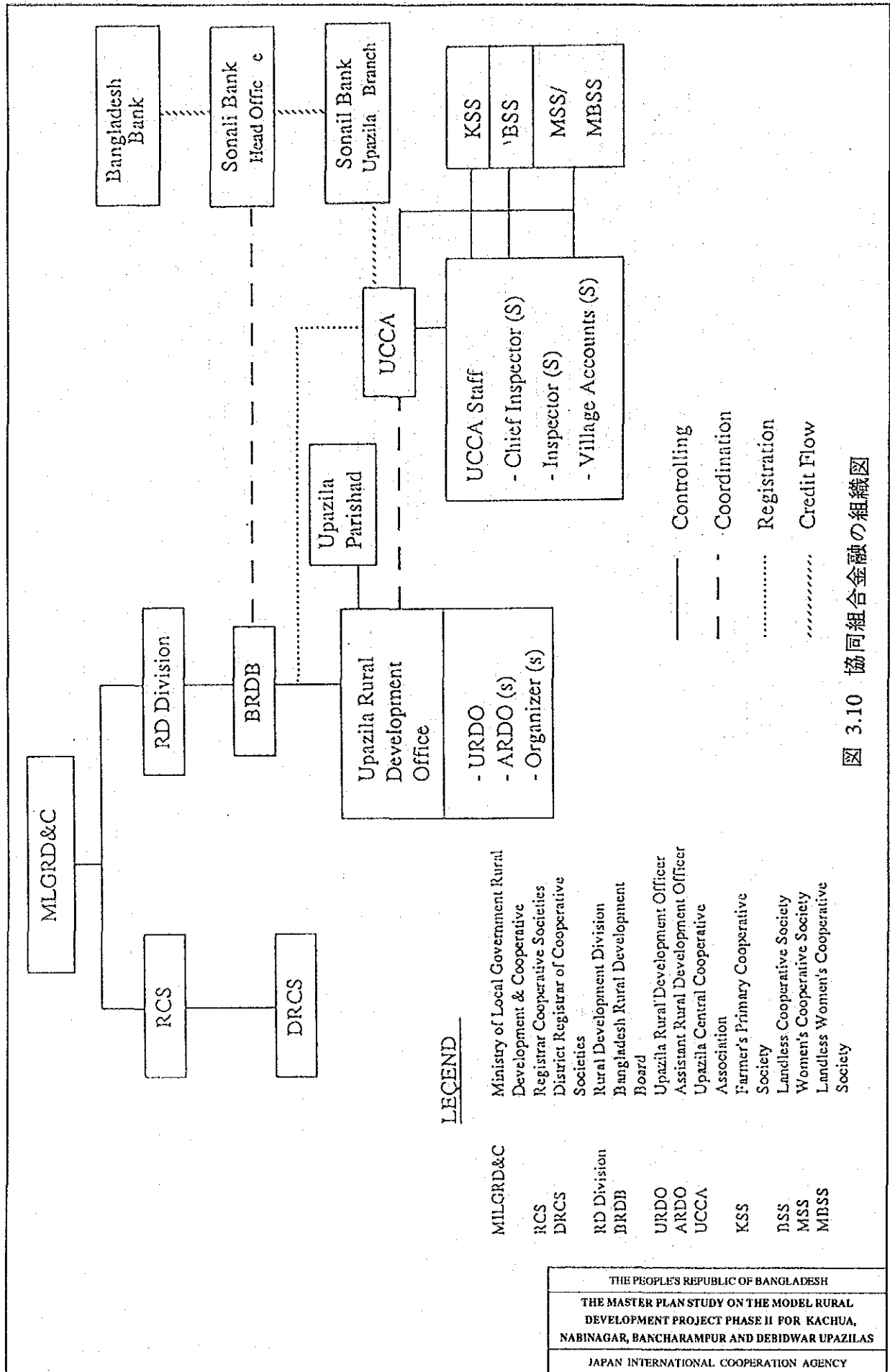
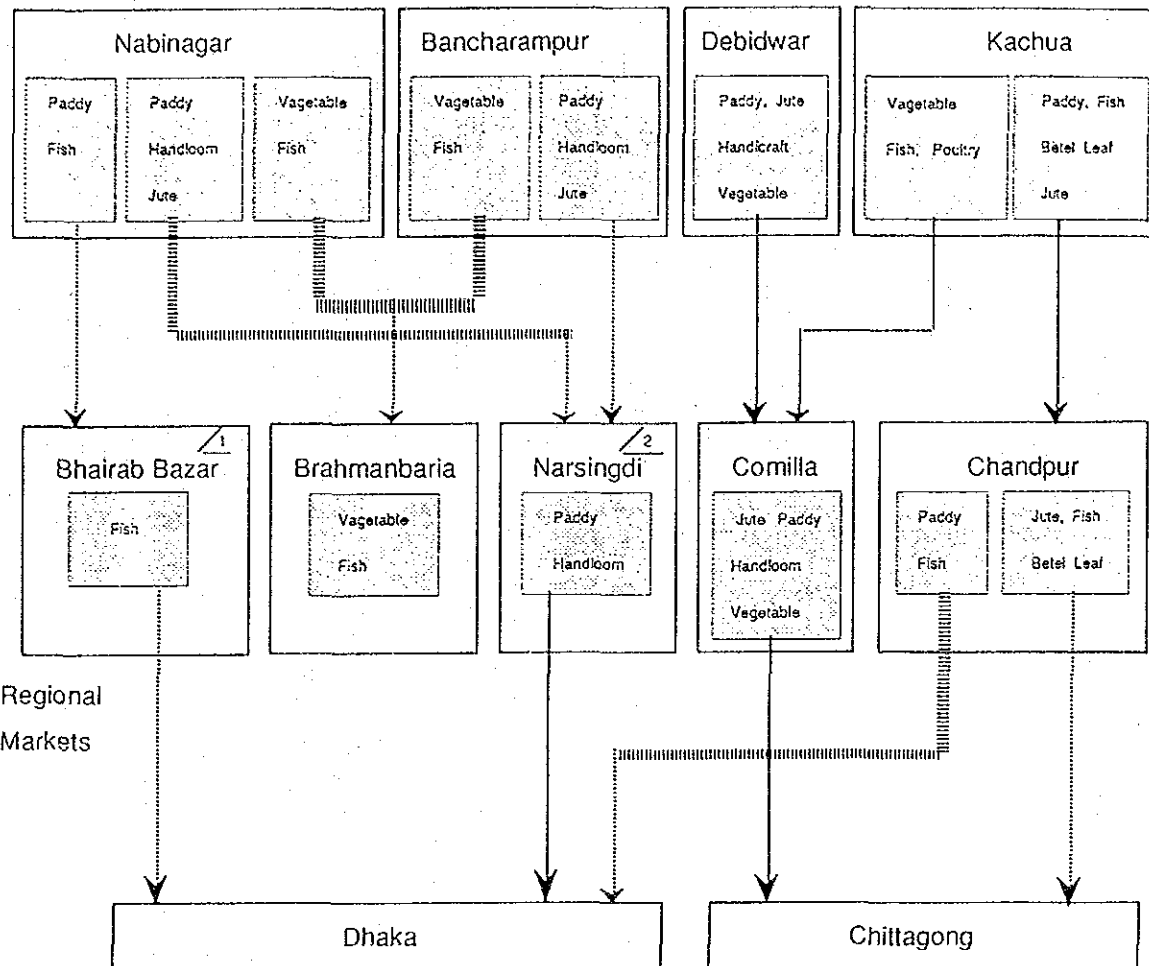


図 3.10 協同組合金融の組織図

Primary &
Secondary
Markets
(Upazila)



Regional
Markets

Terminal
Markets

△1 Under Greater Mymensing District

△2 Under Greater Dhaka District

.....➔ Mainly water transportation

——➔ Mainly land transportation

図 3.11 調査対象地域と最終市場間の農産物流通概要

THE PEOPLE'S REPUBLIC OF BANGLADESH
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DEVELOPMENT PROJECT PHASE II FOR KACHUA,
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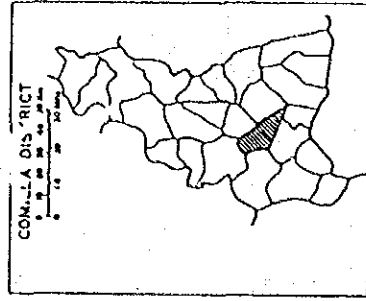
UPAZILA: KACHUA

Scale: 1:1000, 1:5000, 1:10000, 1:50000
 SCALE



LEGEND

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



LOCAL MARKET

- | GROWTH CENTRE | HAAT |
|----------------|------------------|
| G1 Rahma Nagar | H1 Maslugacho |
| G2 Kachua | H2 Maslugacho |
| G3 Sachua | H3 Jagatpur |
| G4 Pale Khal | H4 Kowpara |
| | H5 Kadia Moya |
| | H6 Chawmohani |
| | H7 Raghunathpur |
| | H8 Ujani |
| | H9 Khidde |
| | H10 Sigadda |
| | H11 Dorbathaganj |
| | H12 Natua |
| | H13 Bajet |
| | H14 Sounai |
| | H15 Raqdeh |
| | H16 Madhupur |
| | H17 Bakshaganj |
| | H18 Ailara |
| | H19 Fatahpur |
| | H20 Tulpat |

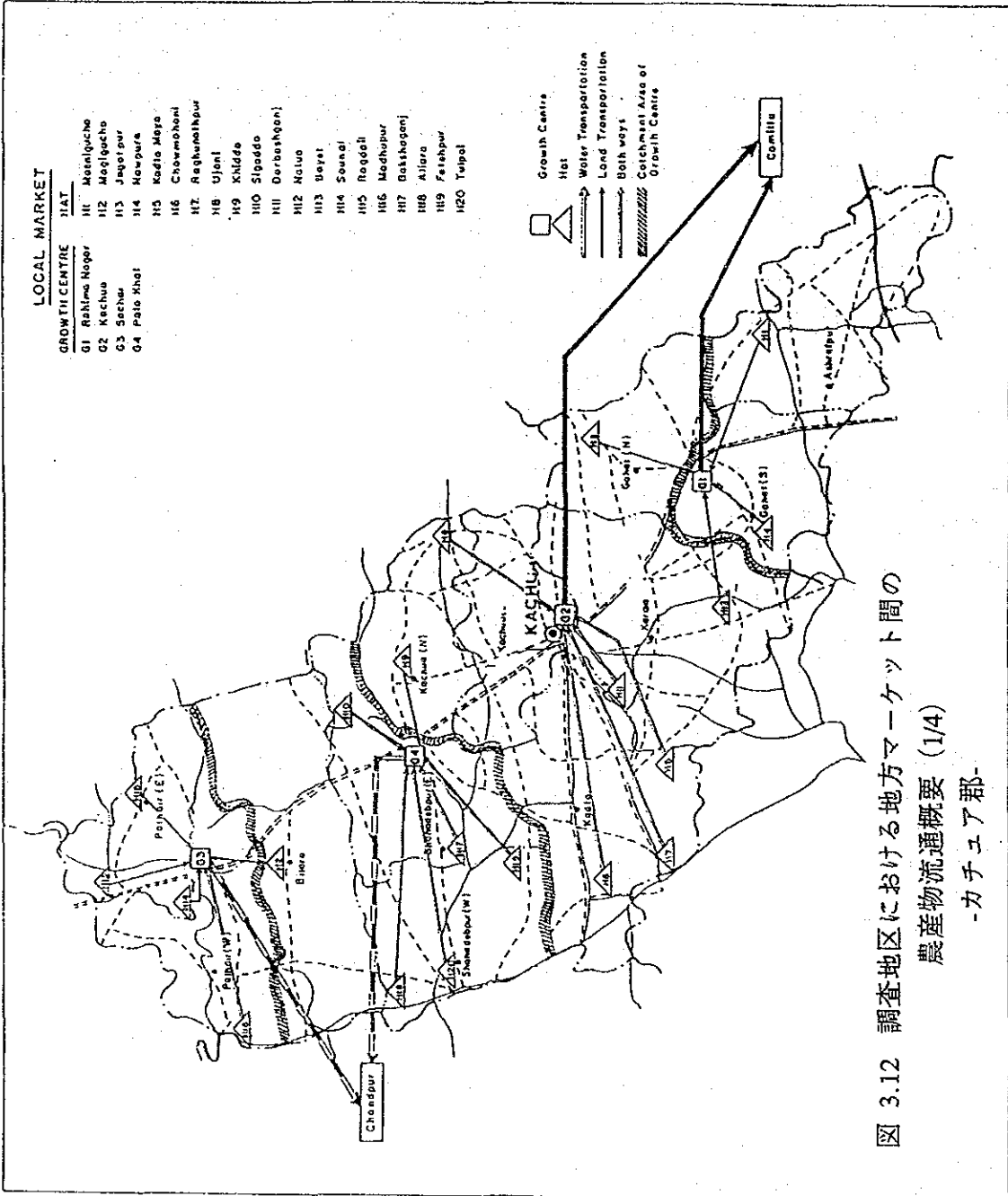


図 3.12 調査地区における地方マーケット間の
 農産物流通概要 (1/4)
 -カチャユア郡-

THE PEOPLE'S REPUBLIC OF BANGLADESH
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 NABINAGAR, BANCHARAMPUR AND DEBIDWAR UPAZILAS
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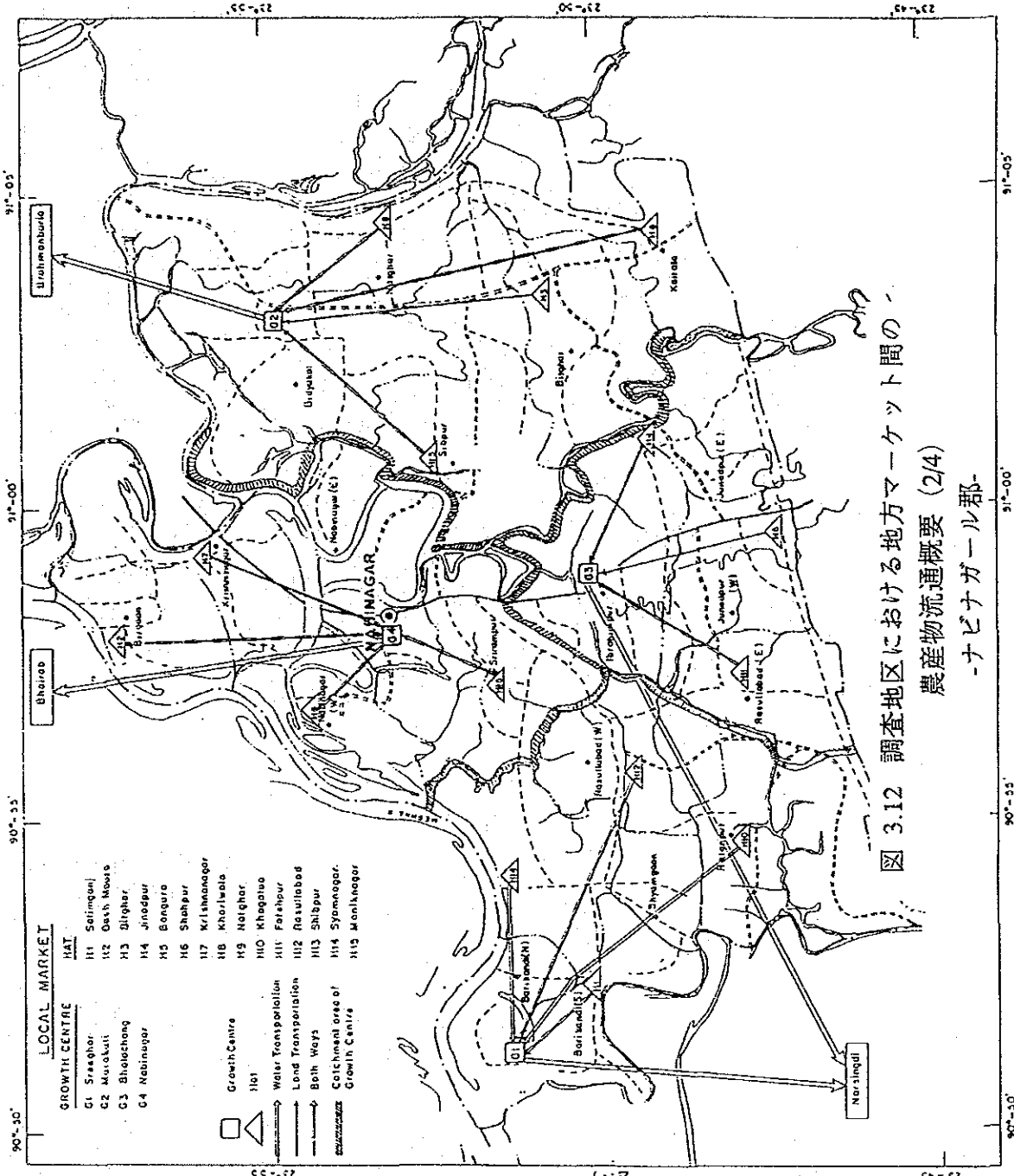
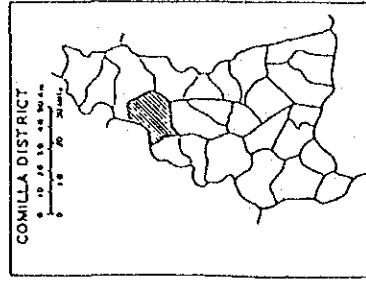
UPAZILA NABINAGAR

Scale 1:000 000
 0 1000 2000 3000 Meters
 SCALE



LEGEND

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



- LOCAL MARKET**
- HAT**
 - G1 Srasghor
 - G2 Mardakuit
 - G3 Bhalochong
 - G4 Nabinsagar
 - Growth Centre**
 - H11 Selinguri
 - H12 Osh Mouda
 - H13 Bighar
 - H14 Jindpur
 - H15 Bengura
 - H16 Shepur
 - H17 Krishnanagar
 - H18 Khorwala
 - H19 Halghar
 - H20 Khagabuo
 - H21 Falepur
 - H22 Rasulabad
 - H23 Shigpur
 - H24 Symanagar
 - H25 Maniknagar
 - Water Transportation**
 - Land Transportation**
 - Both Ways**
 - Coached area of Growth Centre**

図 3.12 調査地区における地方マーケット間の農産物流通概要 (2/4)
 -ナビナガル郡-

THE PEOPLE'S REPUBLIC OF BANGLADESH
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 JAPAN INTERNATIONAL COOPERATION AGENCY

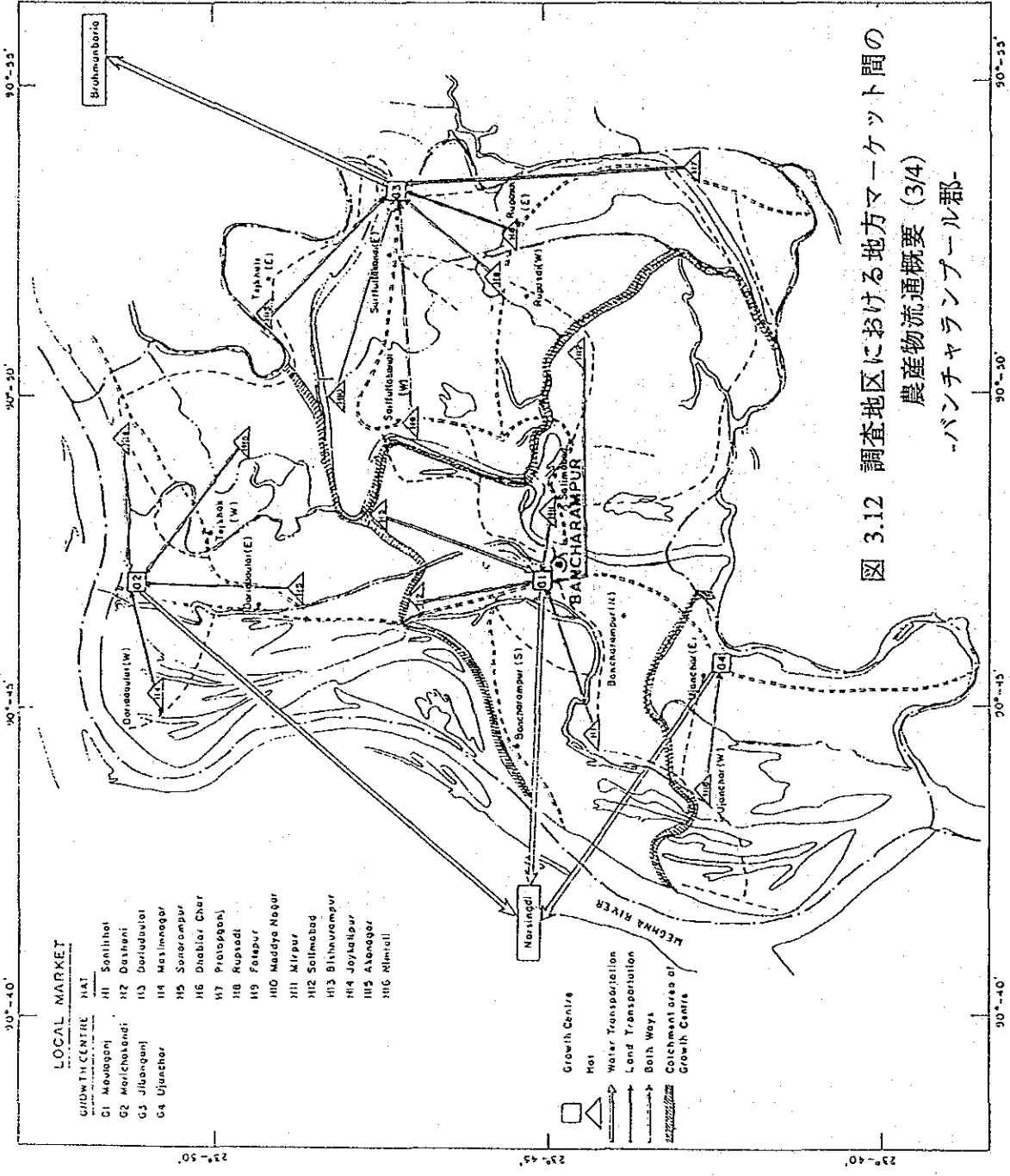
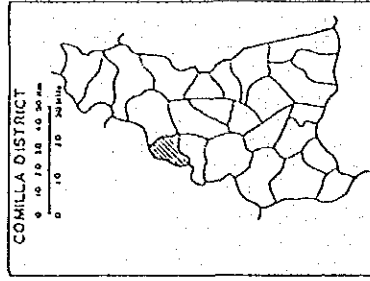
UPAZILA: BANCHARAMPUR

Metre 1000 0 6000 2000 5000 Metre
SCALE



LEGEND

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



- LOCAL MARKET
- | | |
|-------------------|--------------|
| G1W Growth Centre | HAT |
| G1 | Moulgani |
| G2 | Morichakandi |
| G3 | Jilgaon |
| G4 | Ujanchar |
| H1 | Sonlithal |
| H2 | Dasheni |
| H3 | Doridagajai |
| H4 | Maslinnagar |
| H5 | Sonarompur |
| H6 | Dhablar Char |
| H7 | Protappoh |
| H8 | Rupsadi |
| H9 | Fonapur |
| H10 | Maddya Nagar |
| H11 | Mirpur |
| H12 | Solmabag |
| H13 | Bishnurampur |
| H14 | Joyanipur |
| H15 | Akanager |
| H16 | Nimtal |

- Growth Centre
- HAT
- Water Transportation
- Land Transportation
- Bath Ways
- Colchment Area of Growth Centre

図 3.12 調査地区における地方マーケット間の農産物流通概要 (3/4) -バンチャランプール郡-

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

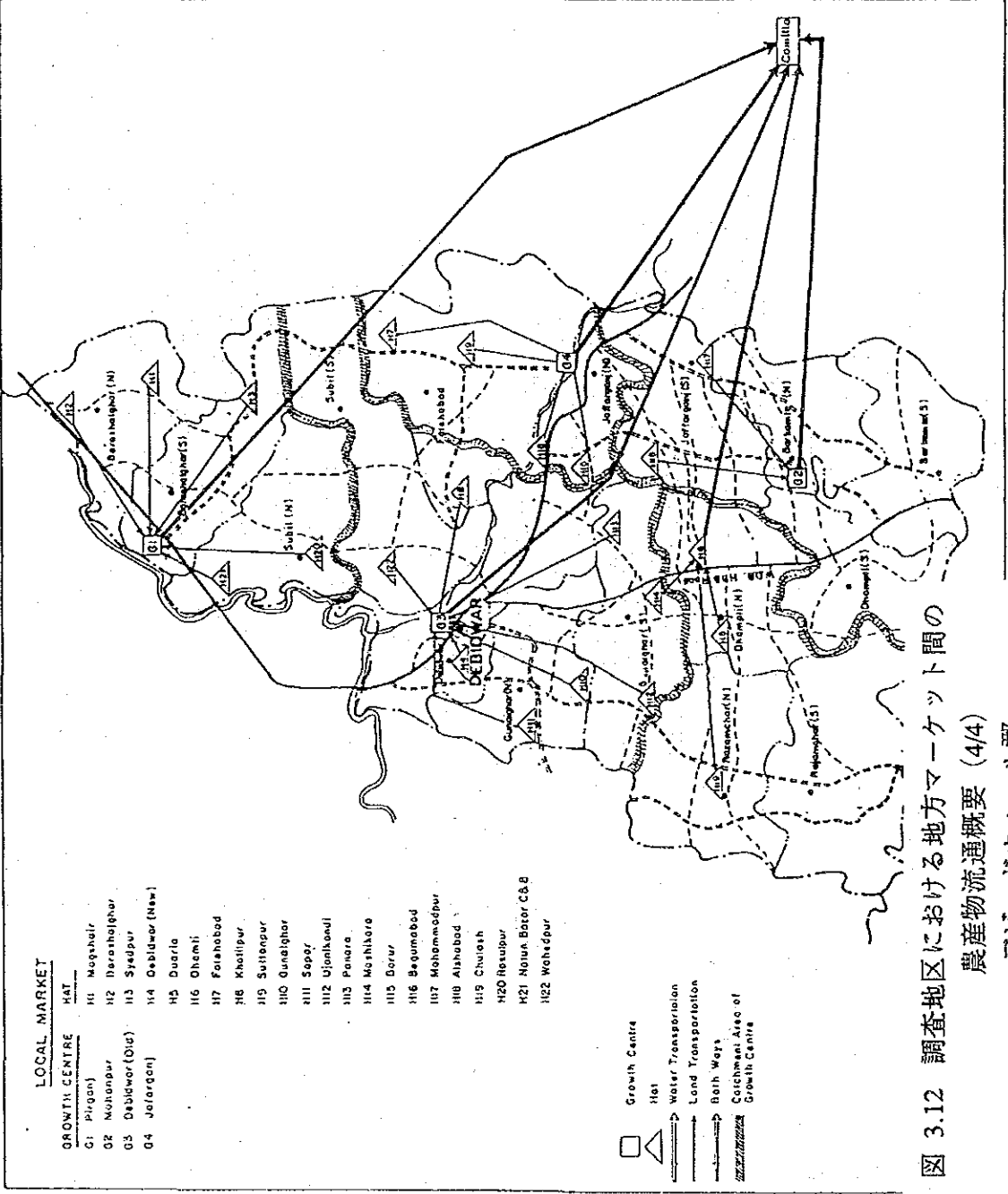
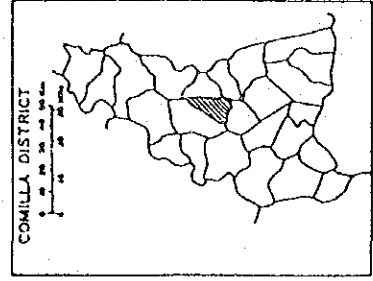
UPAZILA : DEBIDWAR

Scale 1:1000
 1000 2000 3000 METERS
 SCALE



LEGEND

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



LOCAL MARKET

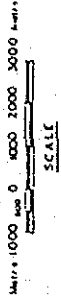
- | GROWTH CENTRE | HAT |
|-------------------|---------------------|
| G1 Pirganj | H1 Mageshair |
| G2 Mohanpur | H2 Darsahatgarh |
| G3 Debidwar (Old) | H3 Syedpur |
| G4 Jorangan | H4 Debidwar (New) |
| | H5 Duaria |
| | H6 Ohemli |
| | H7 Faishabad |
| | H8 Khatlipur |
| | H9 Sultapur |
| | H10 Gualighar |
| | H11 Saper |
| | H12 Ujanikendi |
| | H13 Penara |
| | H14 Moshikara |
| | H15 Dorur |
| | H16 Begumabad |
| | H17 Mahammadpur |
| | H18 Alshabad |
| | H19 Chulosh |
| | H20 Resapur |
| | H21 Noura Bator C&B |
| | H22 Wehadpur |

- Growth Centre
- Hat
- Water Transportation
- Land Transportation
- Bath Ways
- Catchment Area of Growth Centre

図 3.12 調査地区における地方マーケット間の農産物流通概要 (4/4)
 -デビッドウォール郡-

THE PEOPLE'S REPUBLIC OF BANGLADESH
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 JAPAN INTERNATIONAL COOPERATION AGENCY

UPAZILA: KACHUA



LEGEND

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

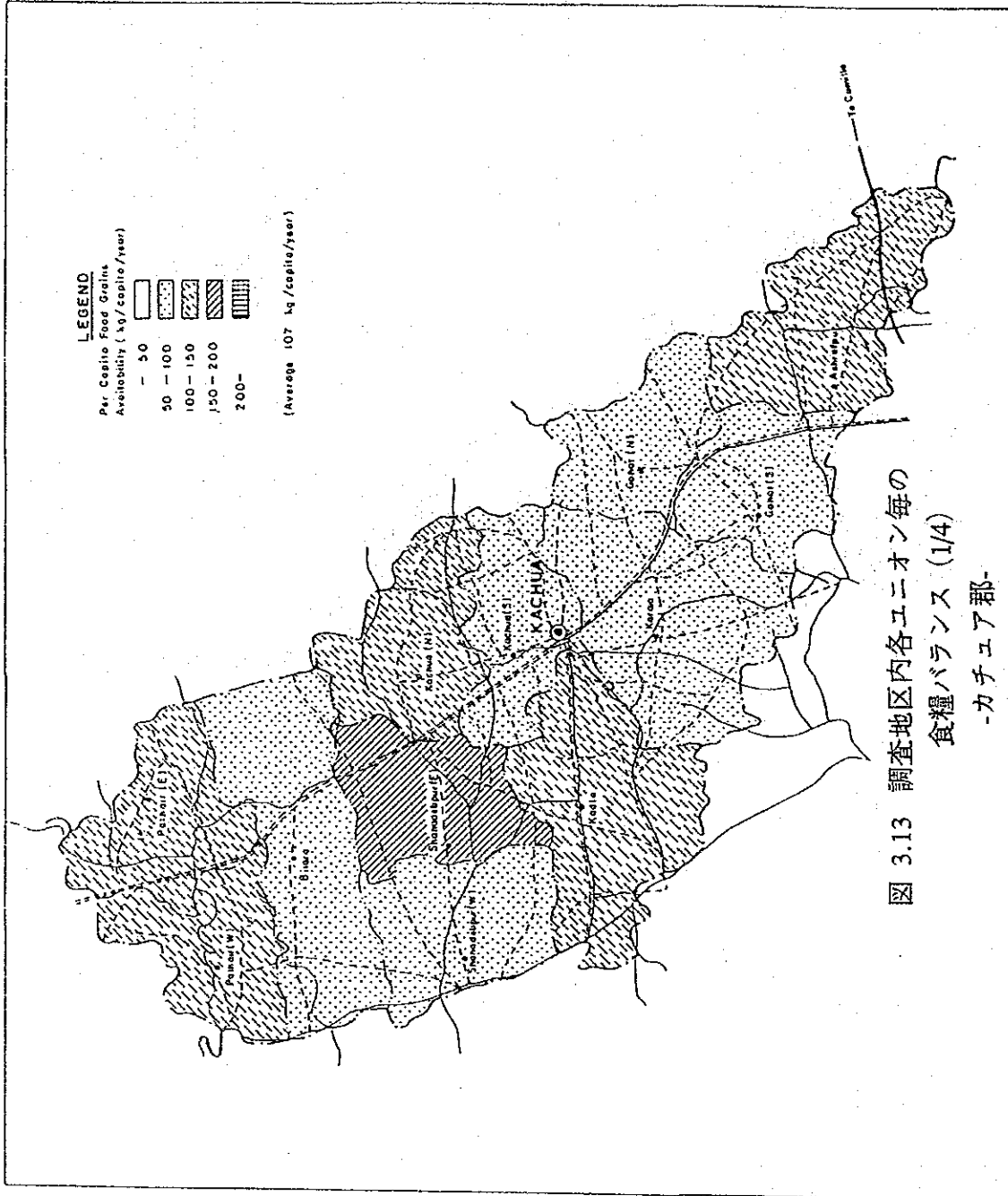
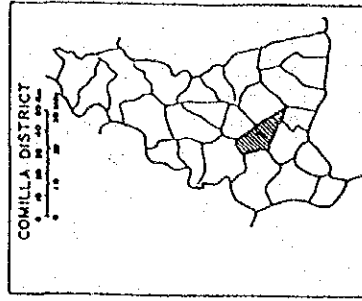


図 3.13 調査地区内各ユニオン毎の食糧バランス (1/4) -カチユア郡-

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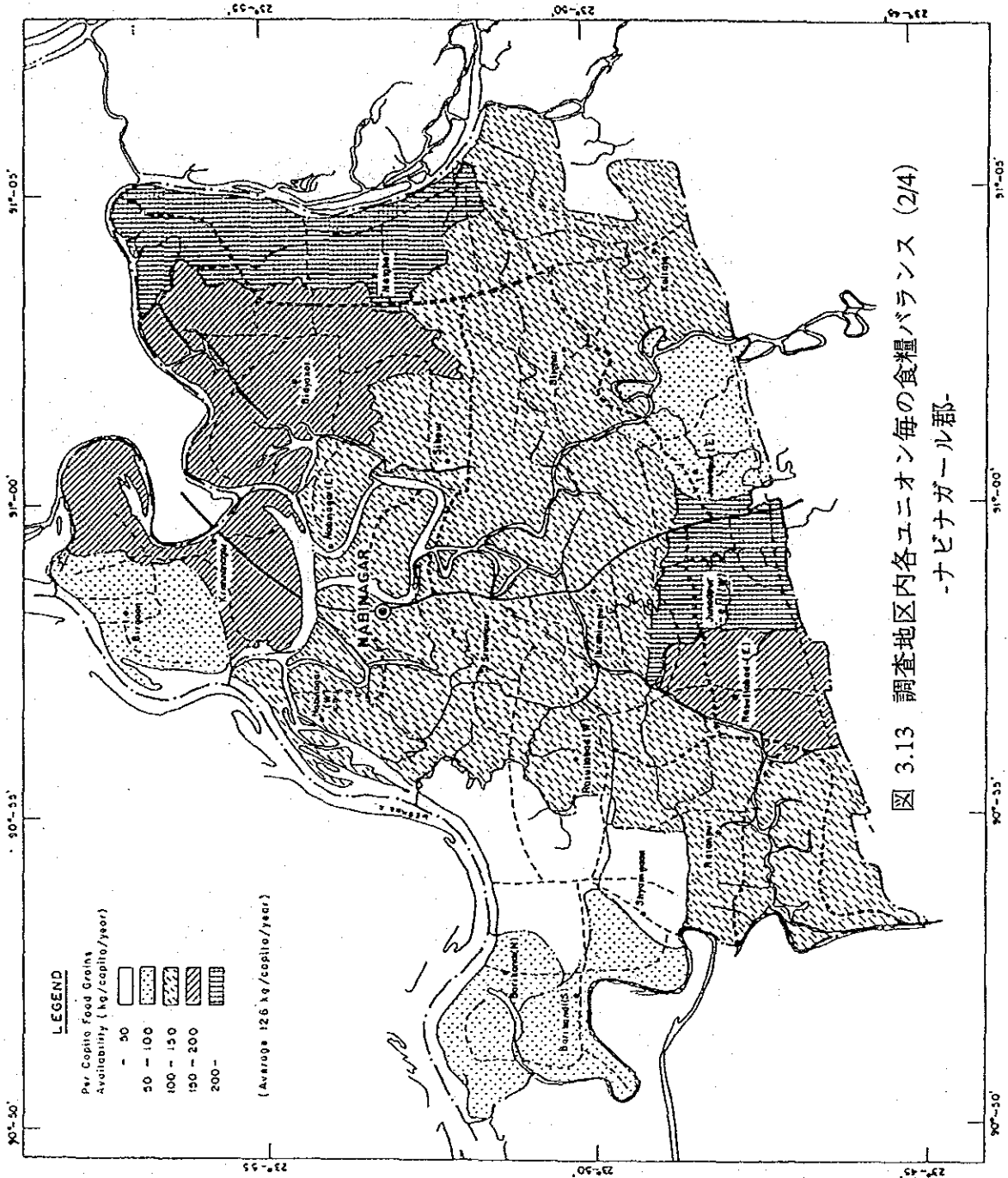
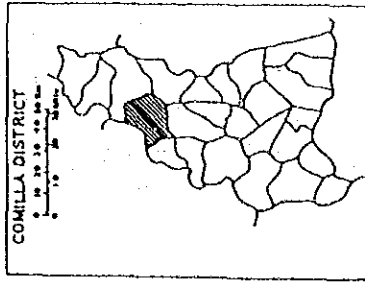
UPAZILA: NABINAGAR

Scale 1:10000
 0 1000 2000 3000 Meters
 SCALE



LEGEND

- Upazila Boundary ... - - - - -
- Union Boundary
- River & Khul ... ~~~~~
- Upazila H. Q. ... ●
- Union H. Q. ... *
- Feeder Road (Type 'B') ... = = = = =
- RHD Road ... - - - - -
- Rural Road ... - - - - -



LEGEND

- Per Capita Food Grains Availability (kg/capita/year)
- 50
 - 50 - 100
 - 100 - 150
 - 150 - 200
 - 200 -

(Average 126 kg/capita/year)

図 3.13 調査地区内各ユニオン毎の食糧バランス (2/4)
 -ナビナガール郡-

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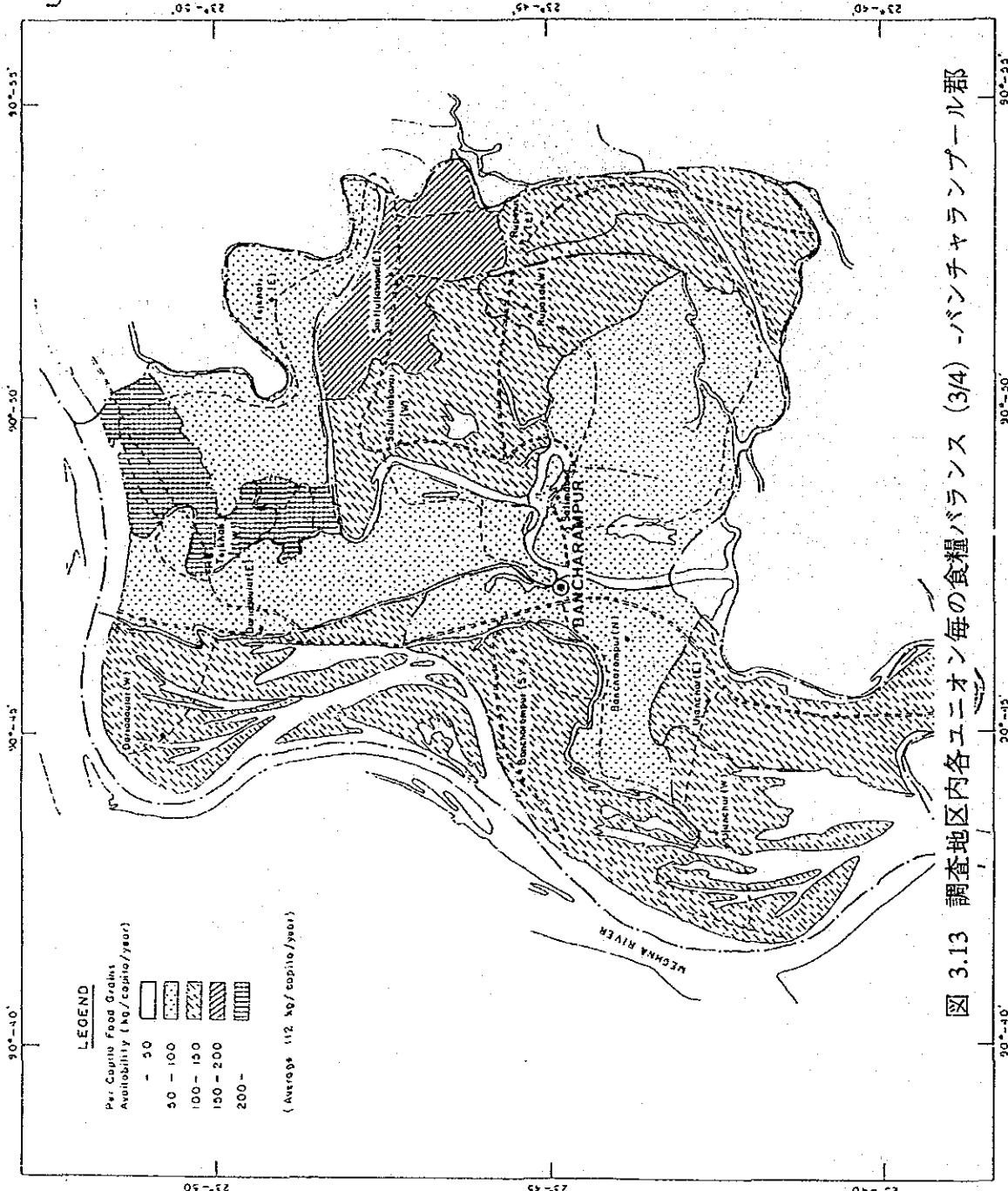
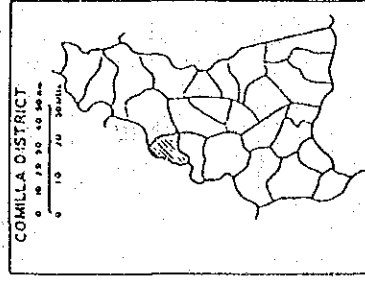
UPAZILA: BANCHARAMPUR

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')
- Rural Road



LEGEND

- Per. Capita Food Grains Availability (kg/capita/year)
- 50
 - 50 - 100
 - 100 - 150
 - 150 - 200
 - 200 -
- (Average 112 kg/capita/year)

図 3.13 調査地区内各ユニオン毎の食糧バランス (3/4) -バンチャランプール郡

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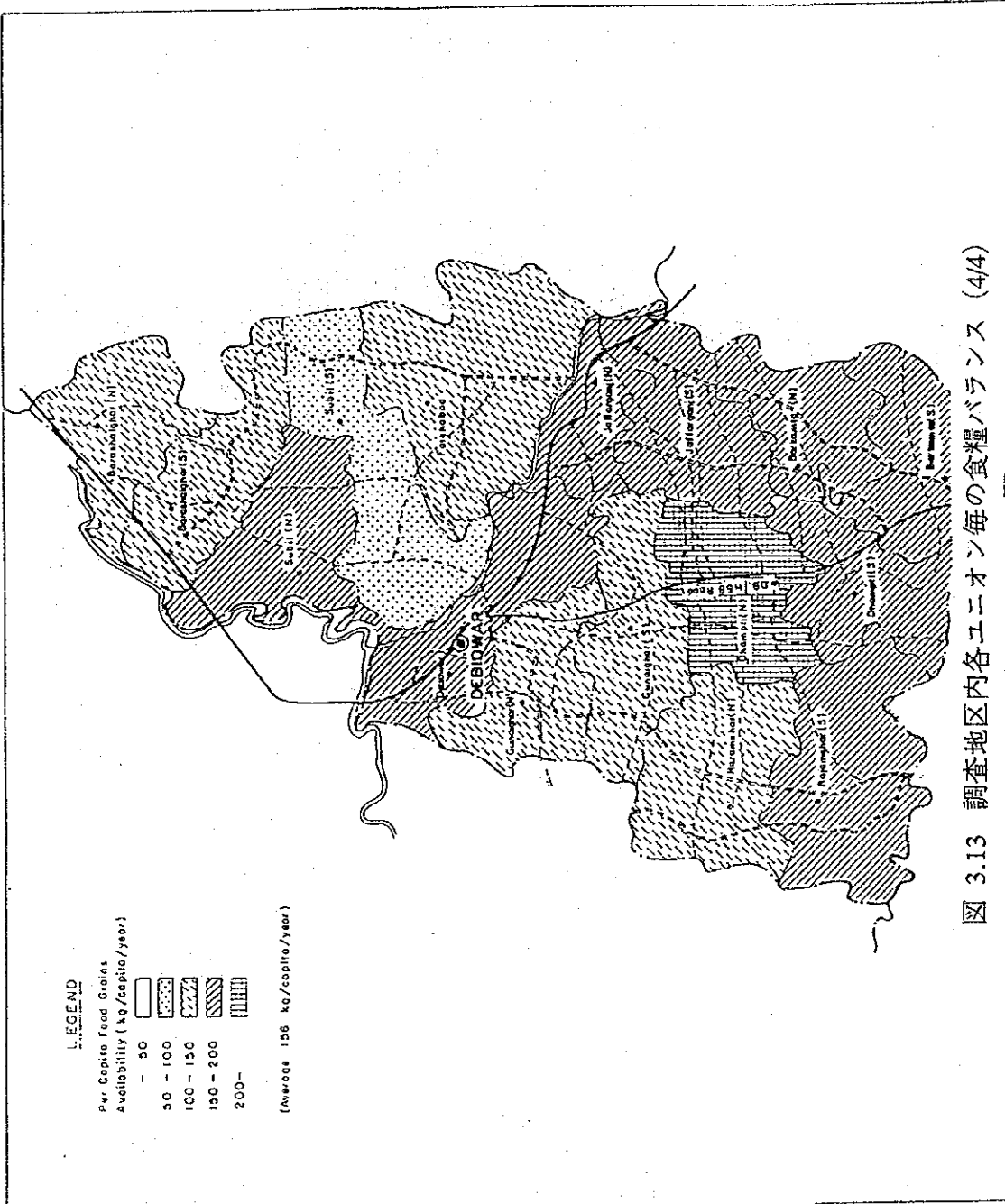
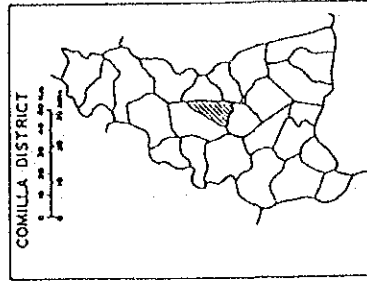
UPAZILA : DEBIDWAR

Metric 1000 and 0 1000 2000 3000 Meters
SCALE



LEGEND

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



LEGEND

- Pcr. Capite Food Grains Availability (kg/capita/year)
- 50
 - 50 - 100
 - 100 - 150
 - 150 - 200
 - 200-

(Average 156 kg/capita/year)

図 3.13 調査地区内各ユニオン毎の食糧バランス (4/4)

-デビッドウォール郡-

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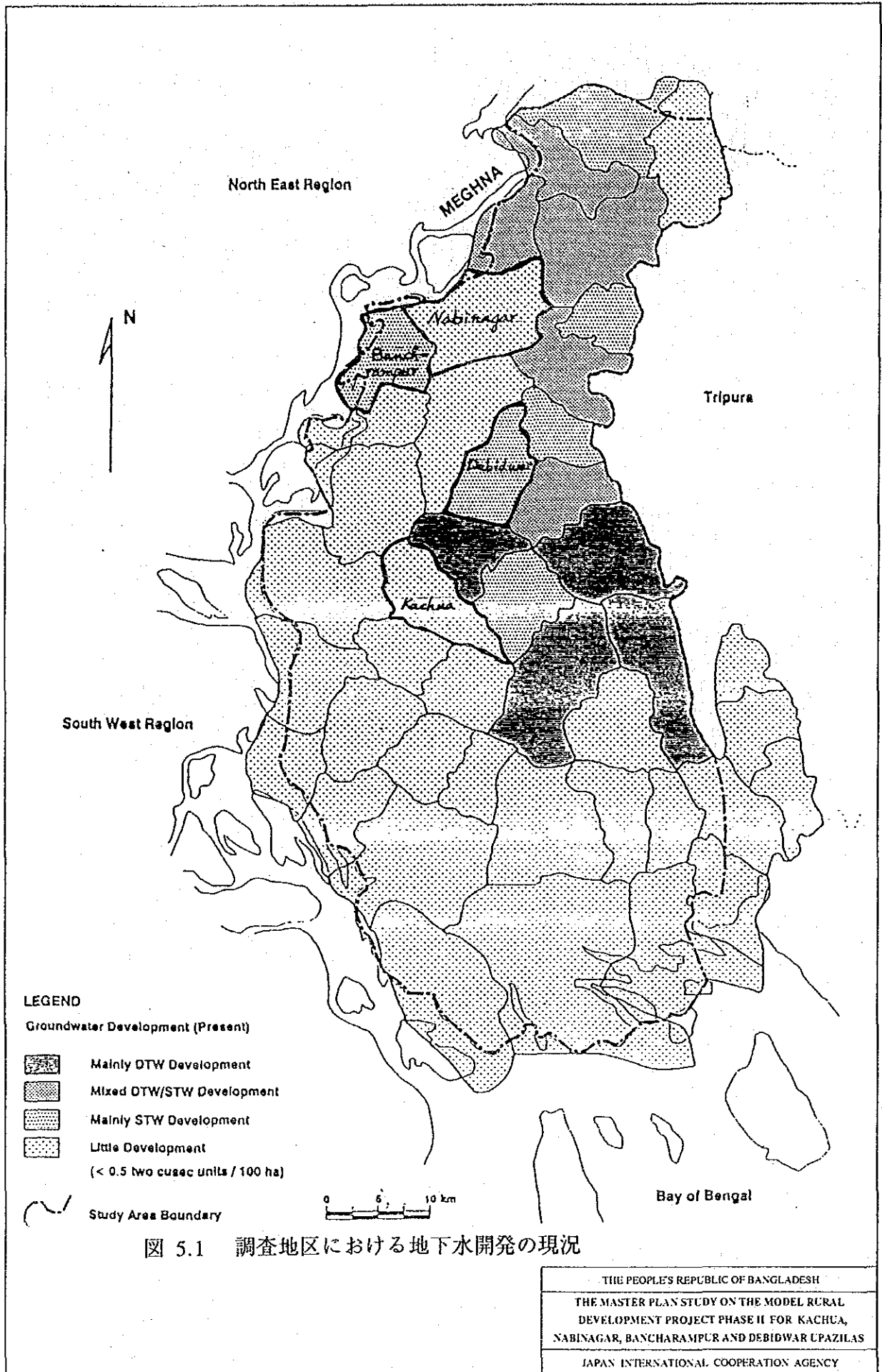


図 5.1 調査地区における地下水開発の現況

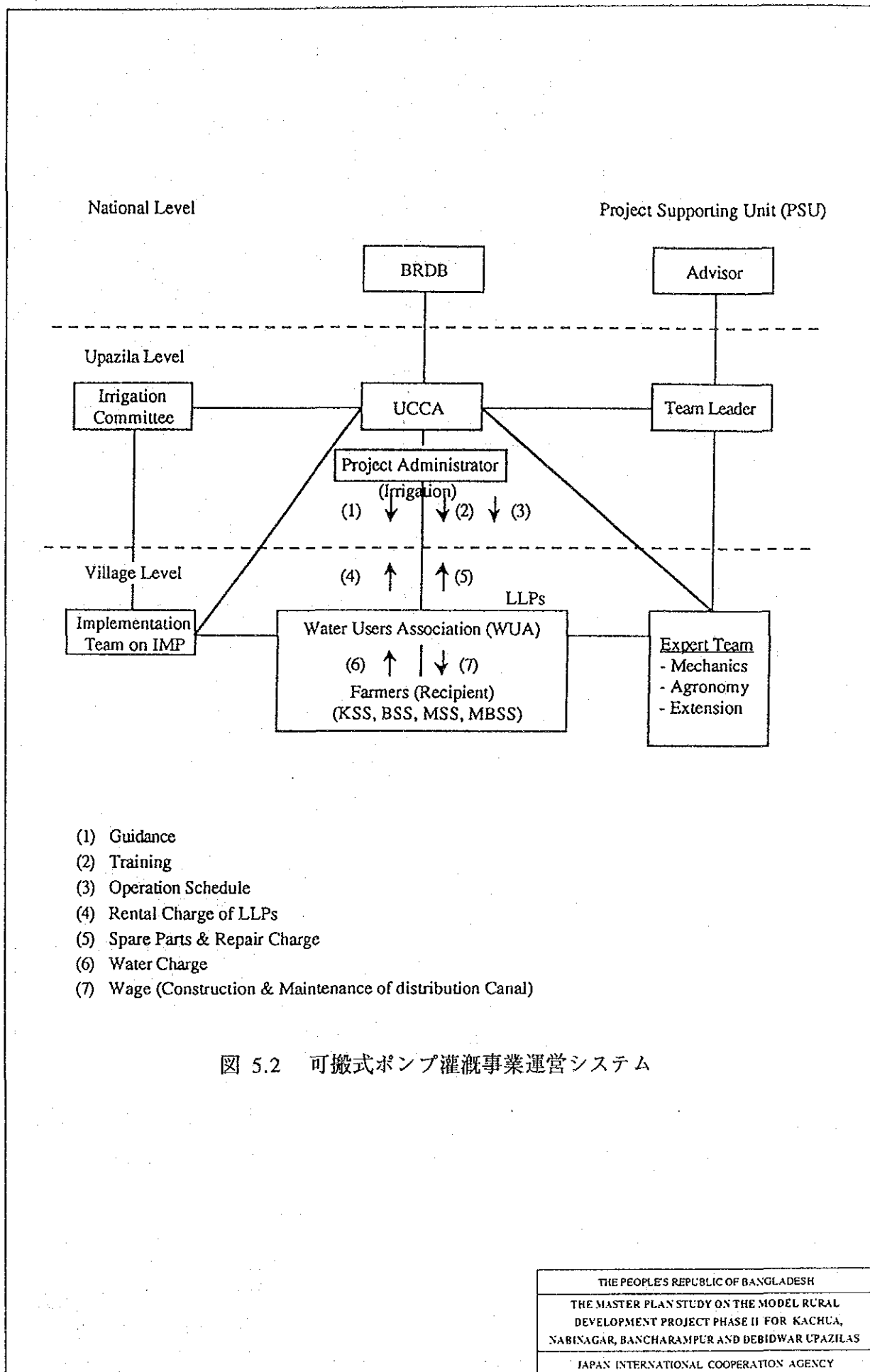


図 5.2 可搬式ポンプ灌漑事業運営システム

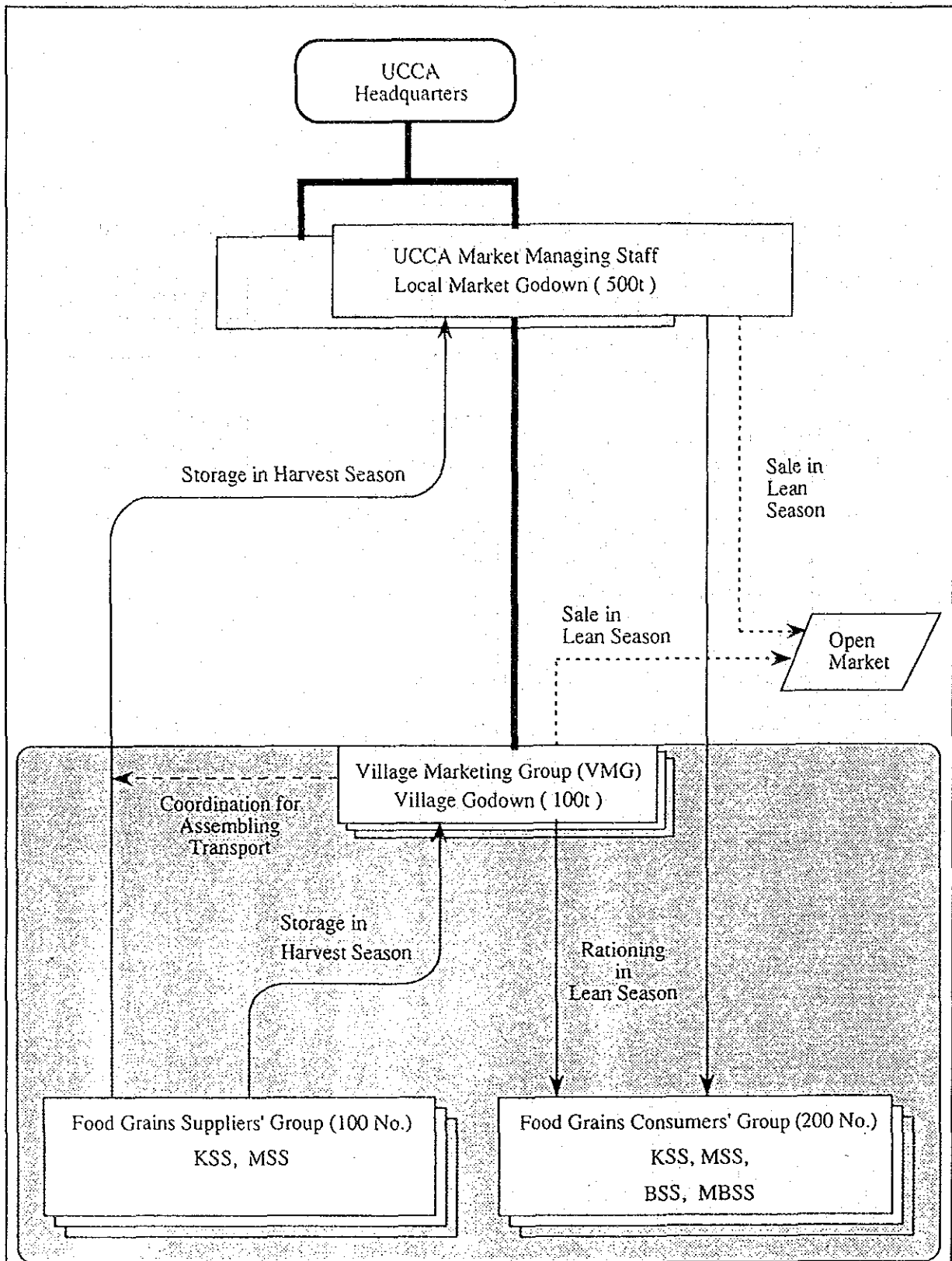
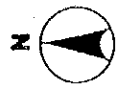
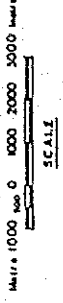


図 5.3 郡穀物流通システムの組織

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UPAZILA: KACHUA



LEGEND

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

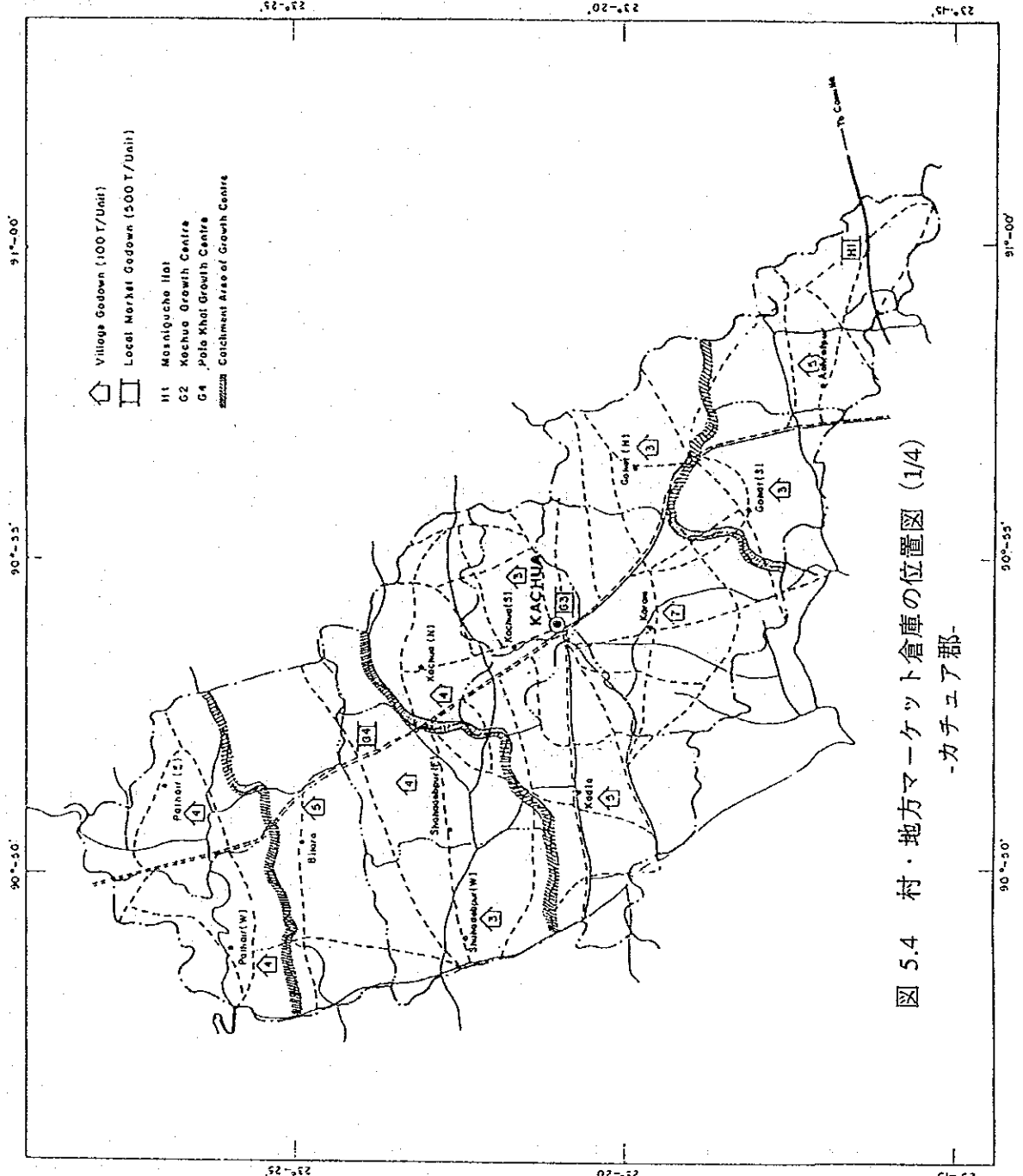
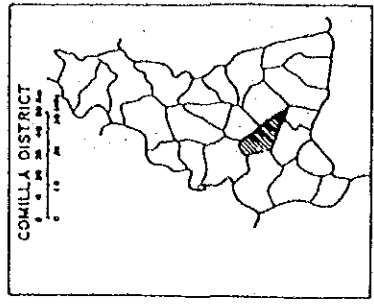


図 5.4 村・地方マーカーケツト倉庫の位置図 (1/4)
-カチユア郡-

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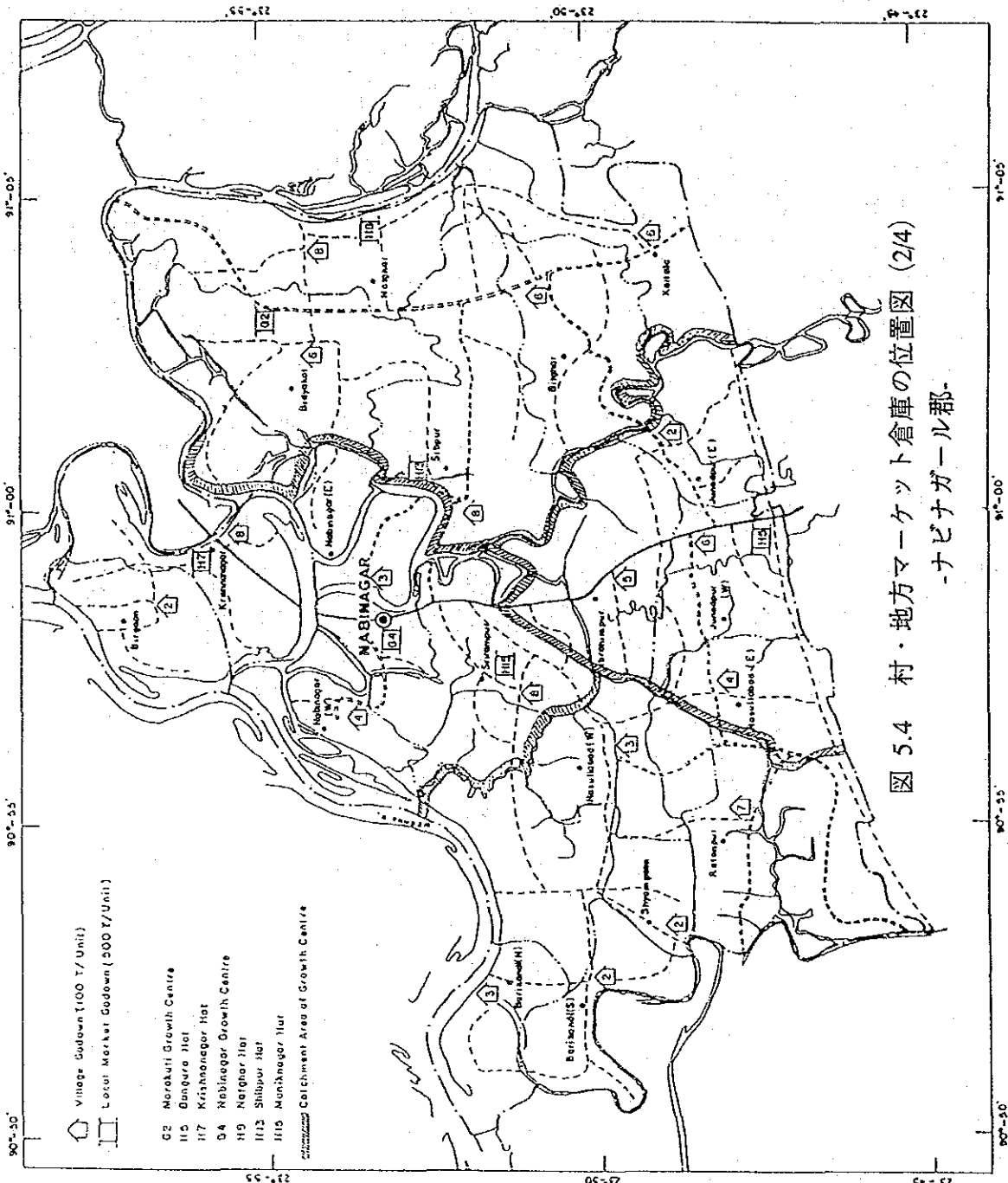
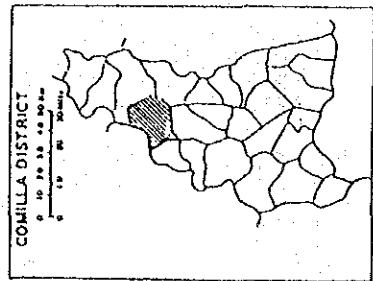
UPAZILA: NABINAGAR

Scale: 1:50,000
 0 1000 2000 3000 METERS



LEGEND

- Upazila Boundary
- Union Boundary
- River & Khel
- Upazila H.O.
- Union H.Q.
- Feeder Road (Type 'G')
- R.H.D. Road
- Rural Road



- Village Godown (100 T/Unit)
- Local Market Godown (500 T/Unit)

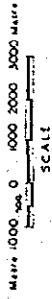
- G2 Morokuti Growth Centre
- G5 Bangura Hat
- G7 Krishanagar Hat
- G4 Nabinagar Growth Centre
- G15 Natghar Hat
- G12 Shilpur Hat
- G13 Munshnagar Hat

Catchment Area of Growth Centre

図 5.4 村・地方マーケット倉庫の位置図 (2/4)
 -ナビナガル郡-

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UPAZILA: BANCHARAMPUR



LEGEND

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

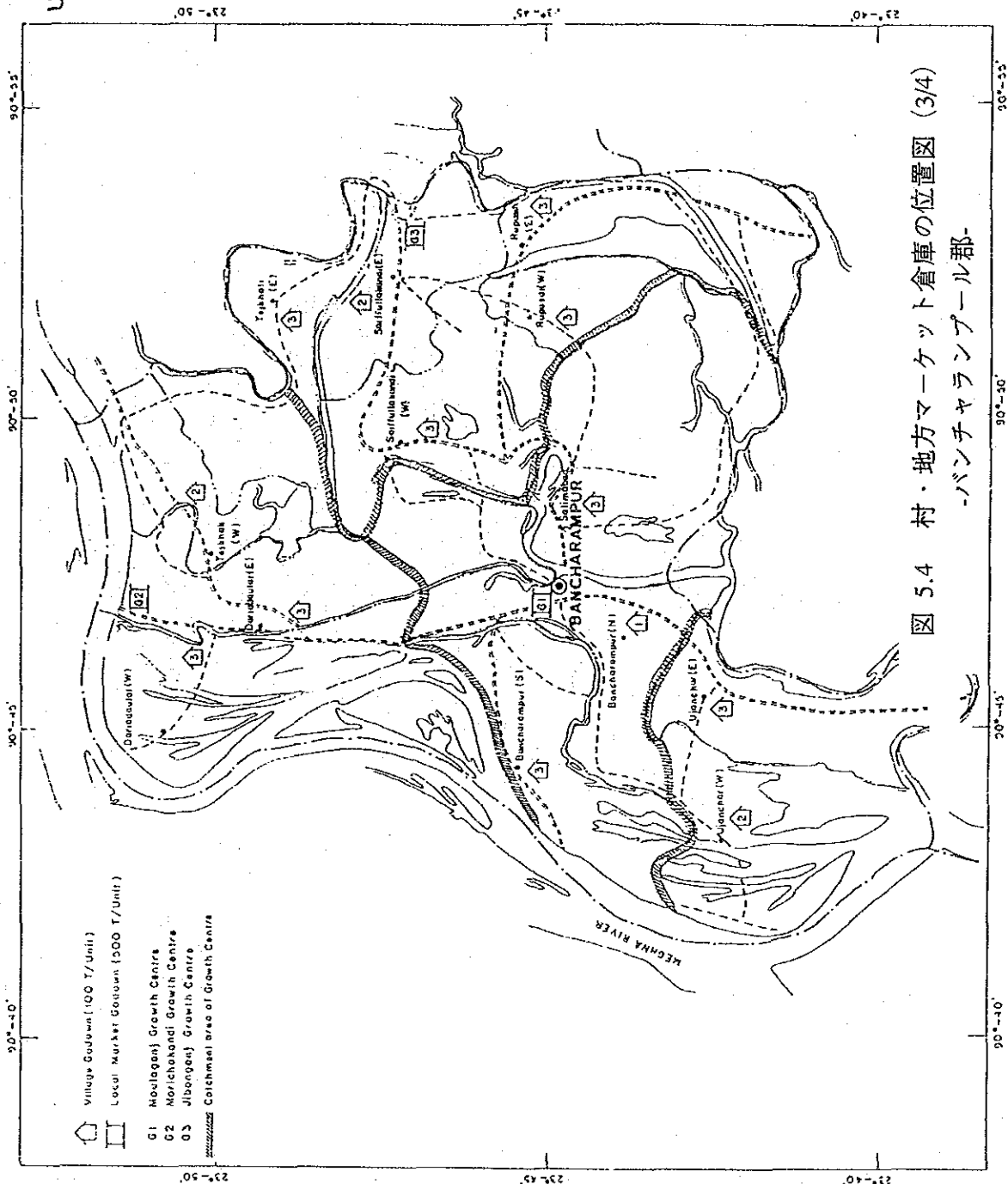
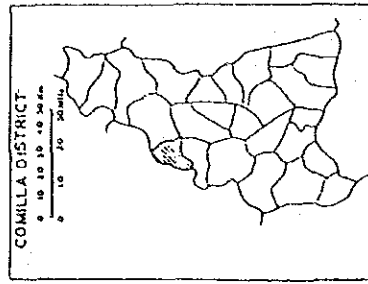
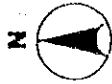
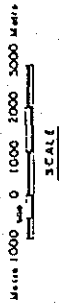


図 5.4 村・地方マーケット倉庫の位置図 (3/4)
-バンチャランプール郡-

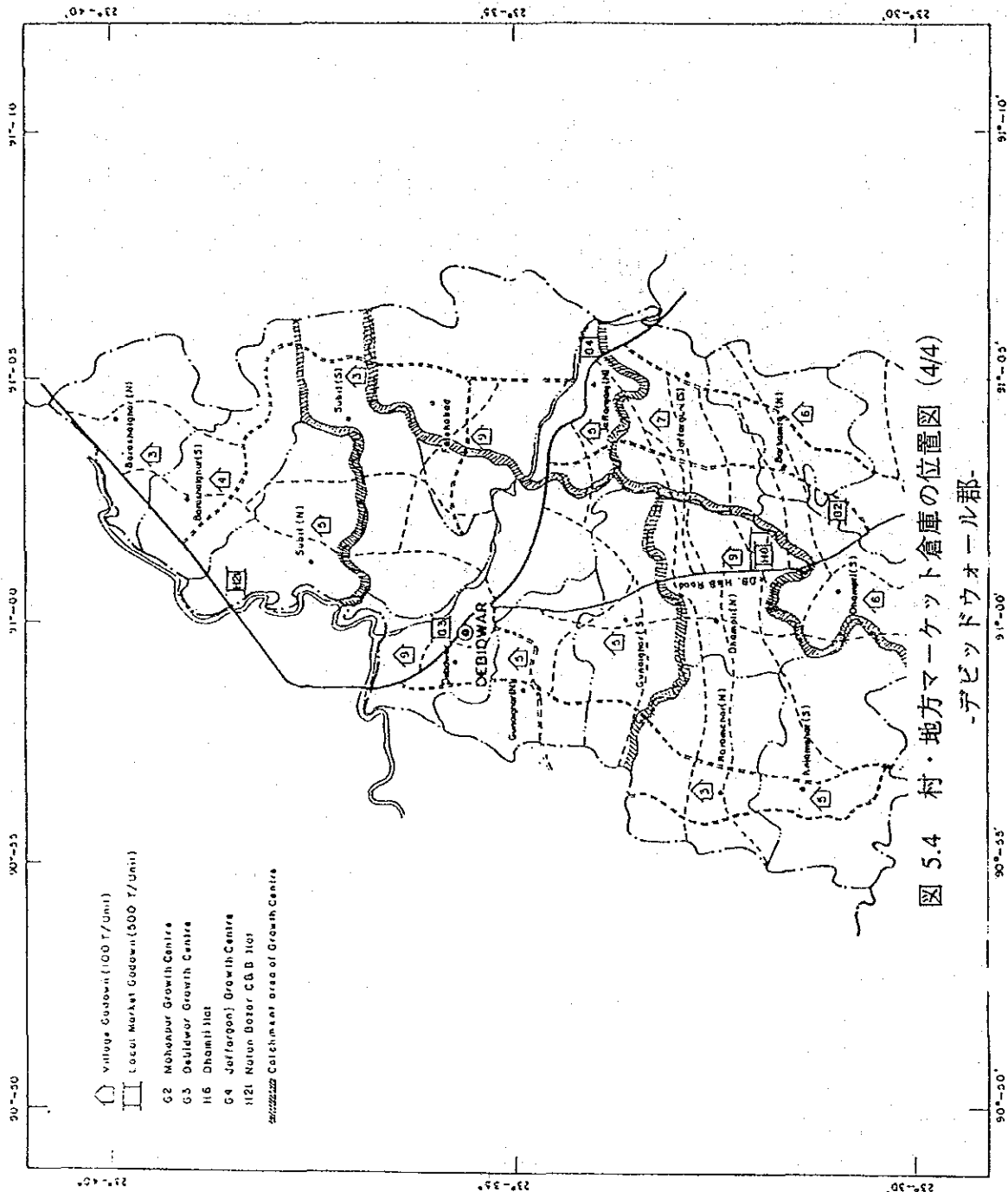
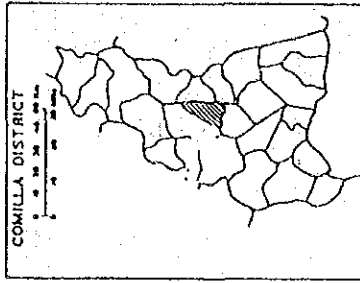
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UPAZILA DEBIDWAR



LEGEND

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



- Village Codown (100 T./Unit)
- Local Market Codown (500 T./Unit)
- G2 Mohanpur Growth Centre
- G3 Dauidwar Growth Centre
- H6 Dhambi Hat
- G4 Jeffarongi Growth Centre
- H21 Naton Datar C&B Hat
- 2422222222 Catchment area of Growth Centre

図 5.4 村・地方マーケット倉庫の位置図 (4/4)
-デビッドウォール郡-

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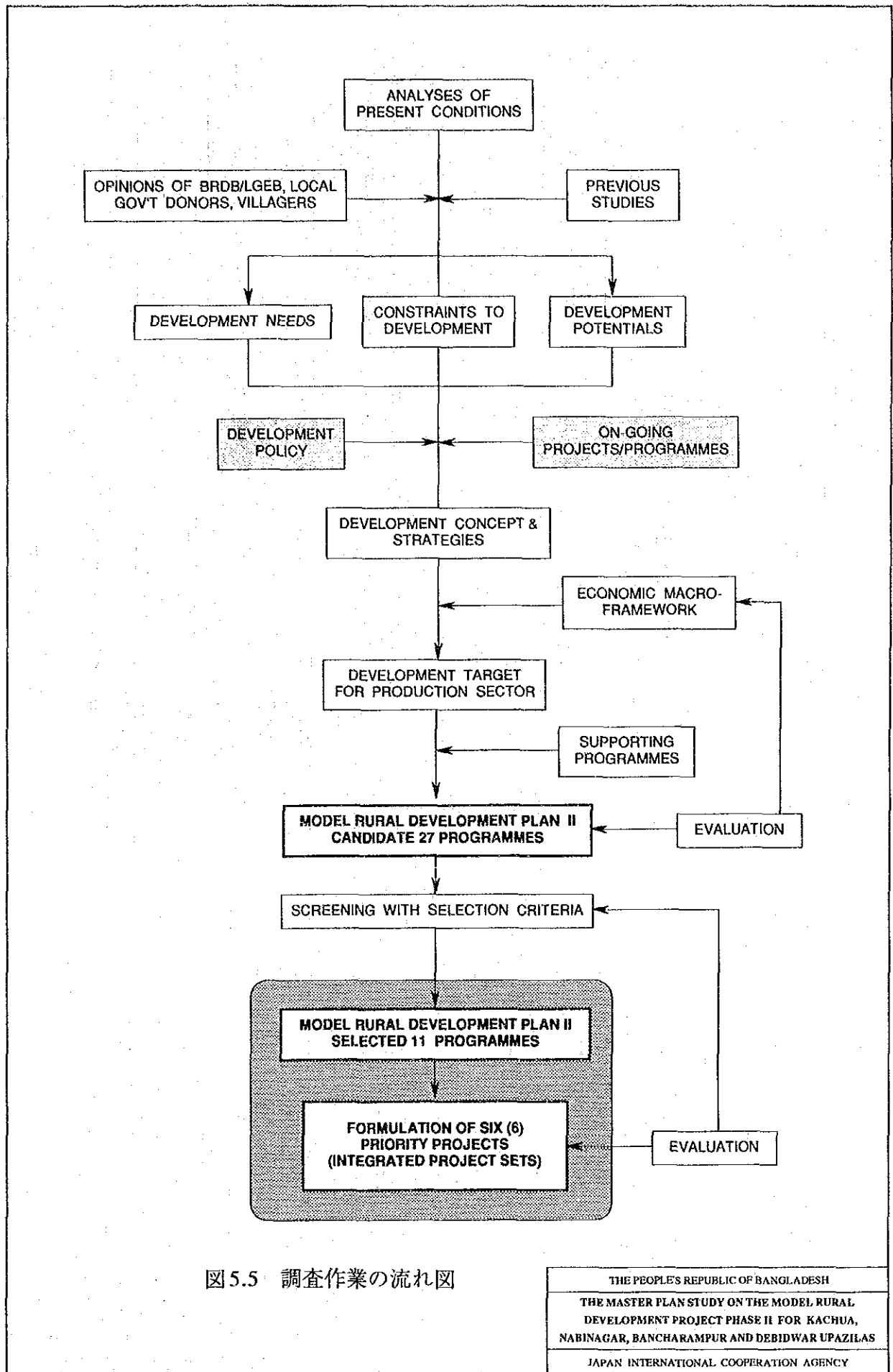


図 5.5 調査作業の流れ図

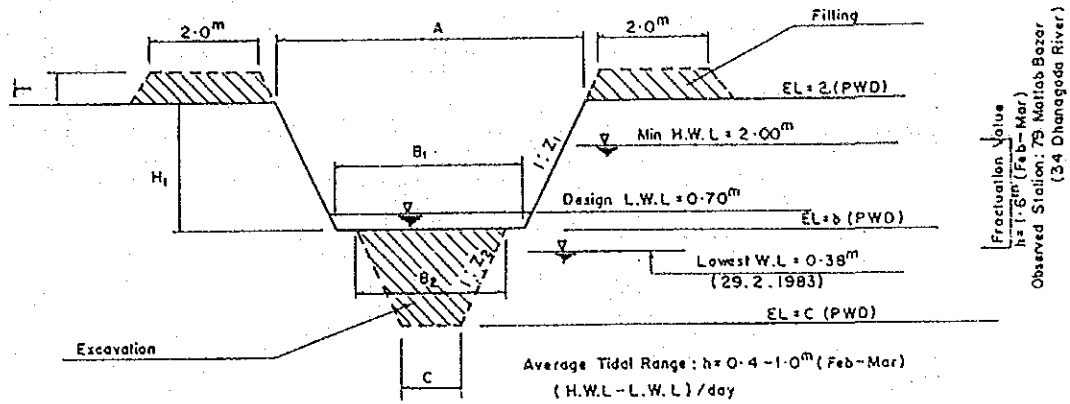
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Works	PHASE-I			PHASE-II			PHASE-III													
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
I. Detailed Design	▲	▲		▲	▲					▲										
II. Tendering and Evaluation	For Phase-I	▲		For Phase-II	▲					For Phase-III	▲									
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

図 6.1 MRDP-II の工事計画

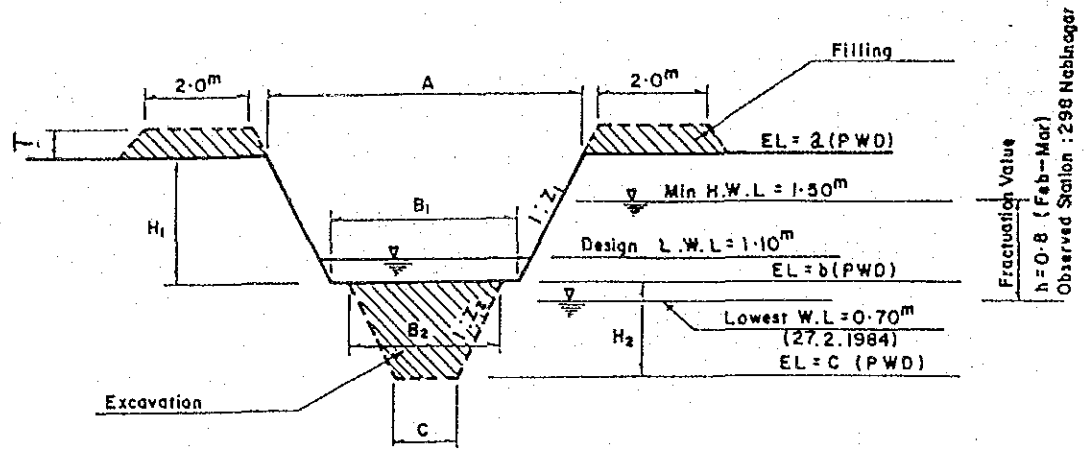
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Canal Name	Specification (Existing)						Specification (Planned)					
	A	B ₁	H ₁	Z ₁	EL+2	EL+b	B ₂	C	H ₂	Z ₂	EL+C	T
	m	m	m	m	m	m	m	m	m	m	m	m
Bealji Primary - 1	25.0	10.0	3.0	2.5	3.5	0.5	(7.0)	(2.0)	(1.0)	(2.5)	(-0.5)	(0.6)
Sachar - 2	35.0	20.0	3.5	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 - Keylain - 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 - Charebanga - 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 - Teluia - 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	(-)	(-)	(-)	(-)	(-)	(-)
Madhapur - Barsara - 8	15.0	5.0	"	2.0	3.0	0.5	(-)	(-)	(-)	(-)	(-)	(-)
Amujan - 9	"	3.8	2.0	2.8	4.0	2.0	-	-	-	-	-	-
Baichara - 10	"	3.0	2.5	2.4	3.0	0.5	3.0	1.0	0.8	2.0	-0.3	0.2
Bateshar - 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
Bachhaia - 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 - Sudhumda - 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	-	-	-	-	-	-
Masnigacho - Amujan - 21	"	3.0	2.0	2.2	4.0	2.0	-	-	-	-	-	-
Jagatpur - Papatpara - 22	17.0	3.5	2.0	3.3	"	"	-	-	-	-	-	-

図 7.1 排水路標準断面 (1/3) (カチユア郡)

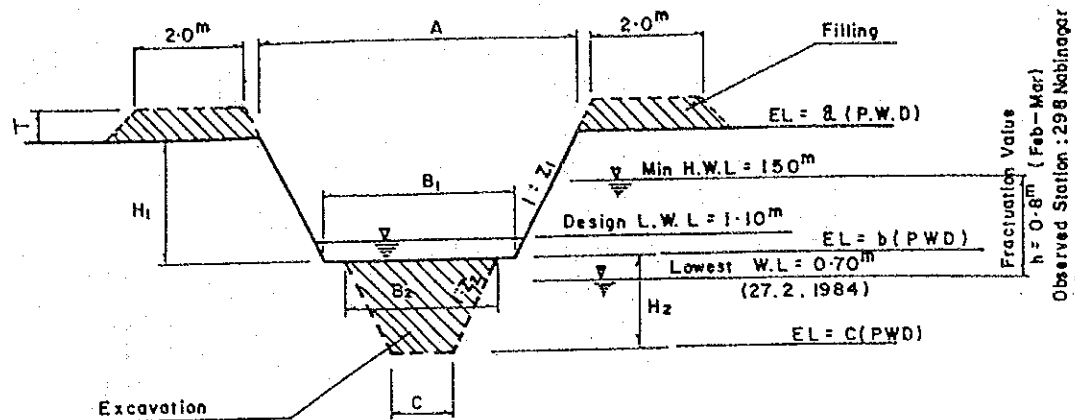
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Canal Name	Specification (Existing)						Specification (Planned)					
	A	B ₁	H ₁	Z ₁	EL = a	EL = b	B ₂	C	H ₂	Z ₂	EL = c	T
	m	m	m		m	m	m	m	m		m	m
Mazikata Khal - 1	12.0	6.0	1.8	1.7	3.5	1.7	6.0	1.0	1.5	1.7	0.2	0.7
Jafarpur " 2	14.0	"	1.6	2.5	2.5	0.9	5.0	2.0	0.7	2.5	"	0.4
Laor Fatehpur " 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	"

図 7.1 排水路標準断面 (2/3) (ナビナガール郡)

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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
Kalshakali	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
Dairaar 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
Mandalia												
" 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

図 7.1 排水路標準断面 (3/3) (バンチャランプール郡)

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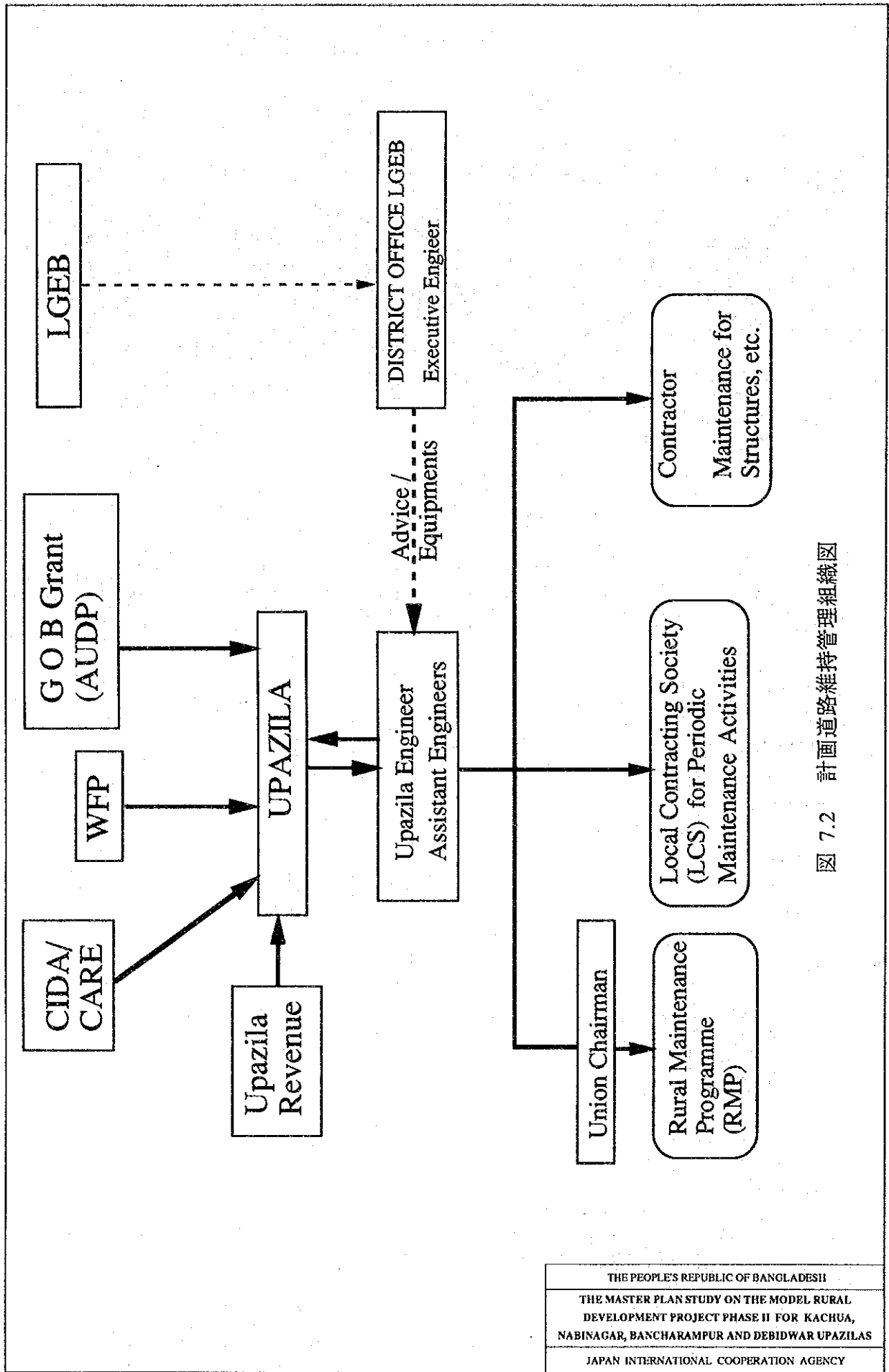


图 7.2 計画道路維持管理組織図

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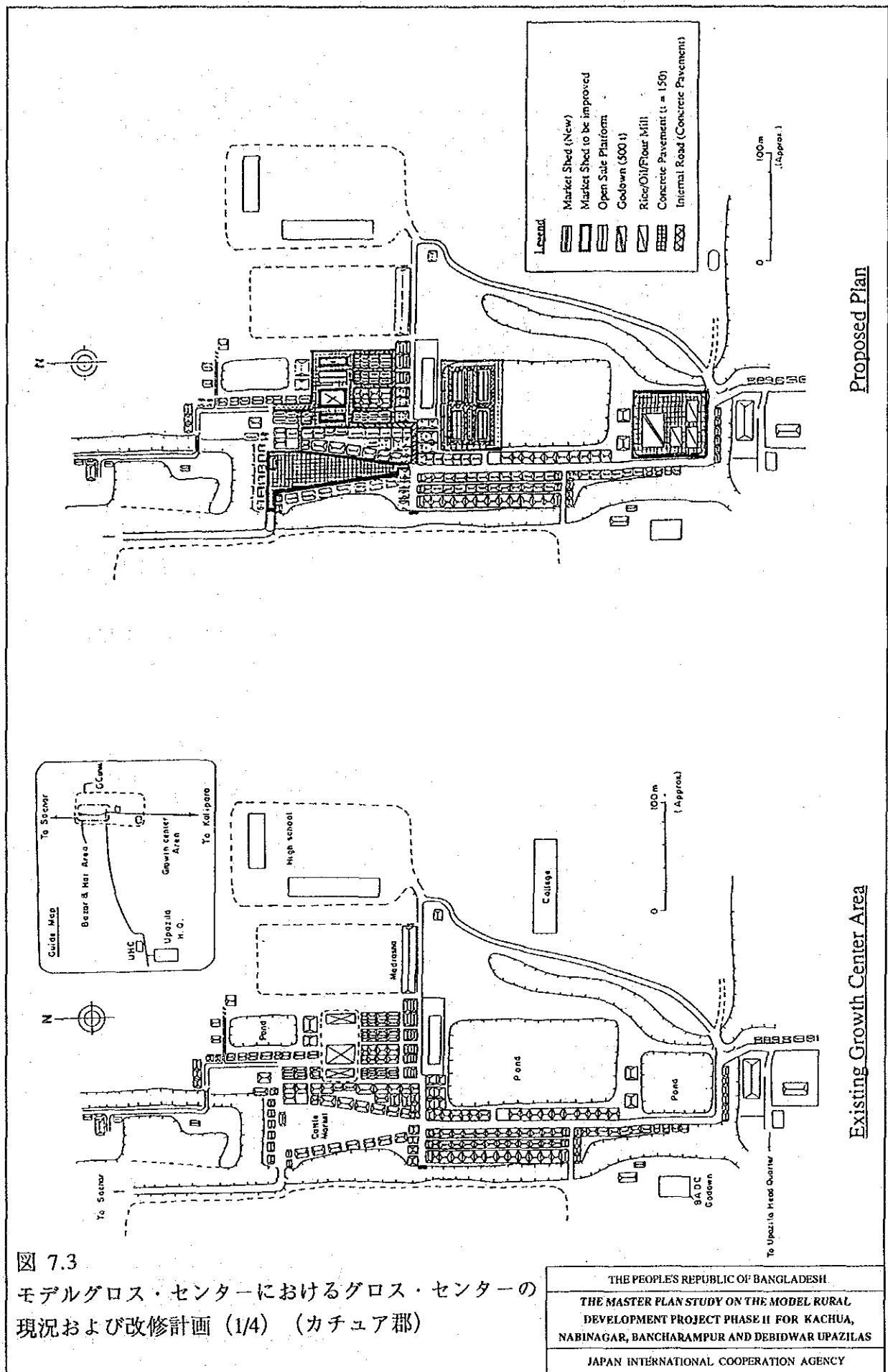


図 7.3
 モデルグロス・センターにおけるグロス・センターの
 現況および改修計画 (1/4) (カチュア郡)

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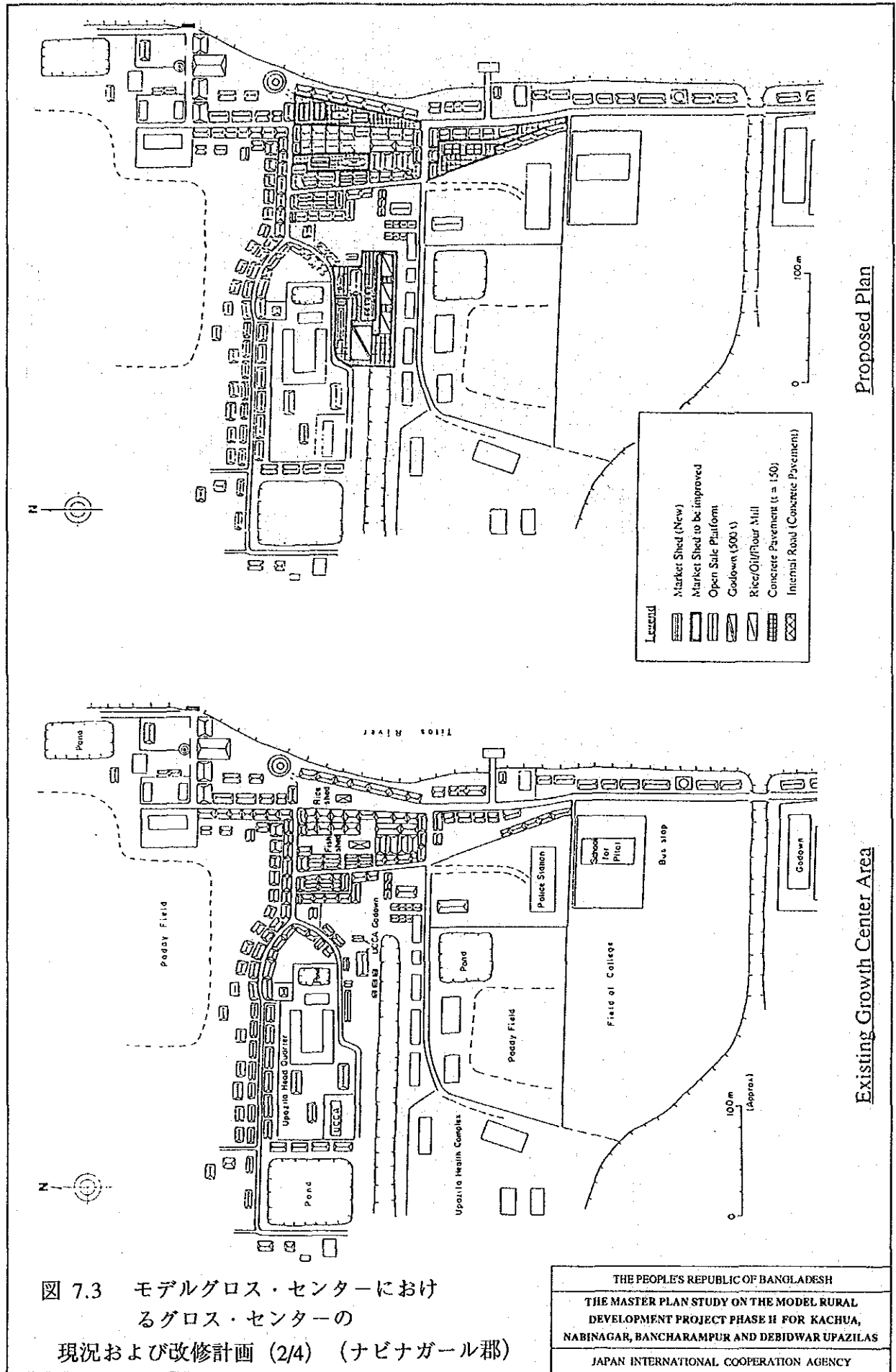
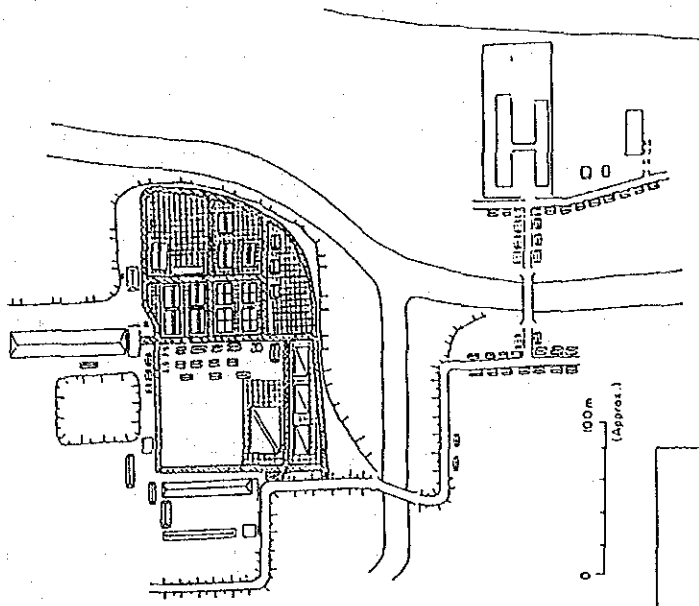
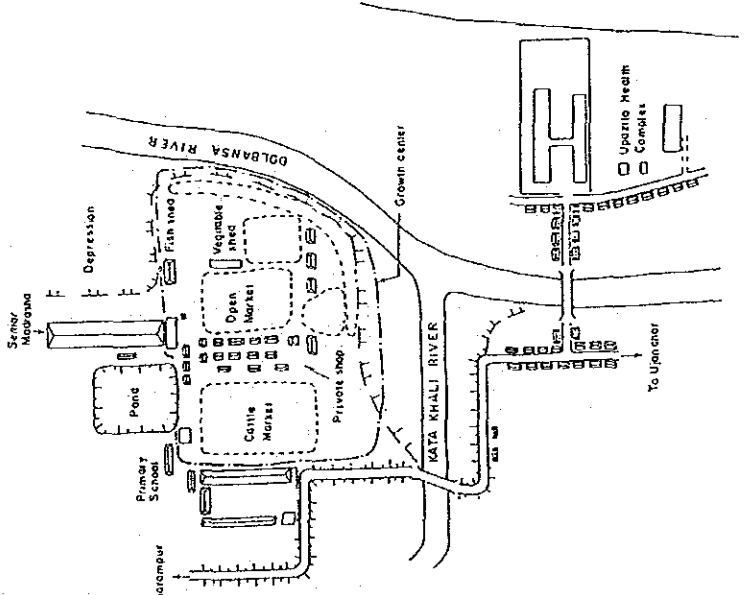


図 7.3 モデルグロス・センターにおけるグロス・センターの現況および改修計画 (2/4) (ナビナガール郡)



Proposed Plan

Legend	
[Pattern]	Market Shed (New)
[Pattern]	Market Shed to be improved
[Pattern]	Open Sale Platform
[Pattern]	Godown (500 T)
[Pattern]	Rice/Oil/Floor Mill
[Pattern]	Concrete Pavement (1: = 150)
[Pattern]	Internal Road (Concrete Pavement)



Existing Growth Center Area

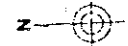


図 7.3 モデルグロス・センターにおけるグロス・センターの現況および改修計画 (3/4) (バンチャランプール郡)

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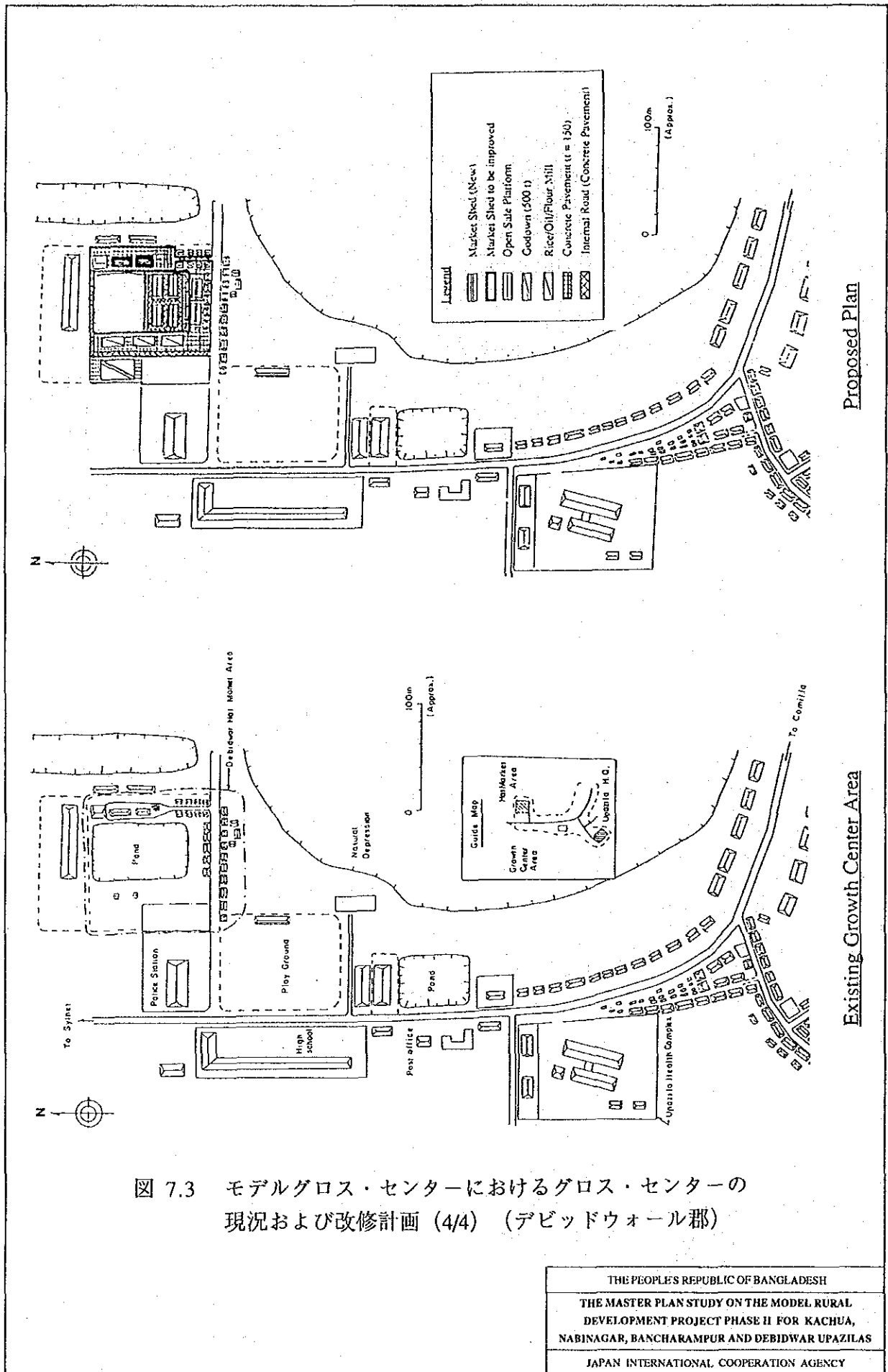
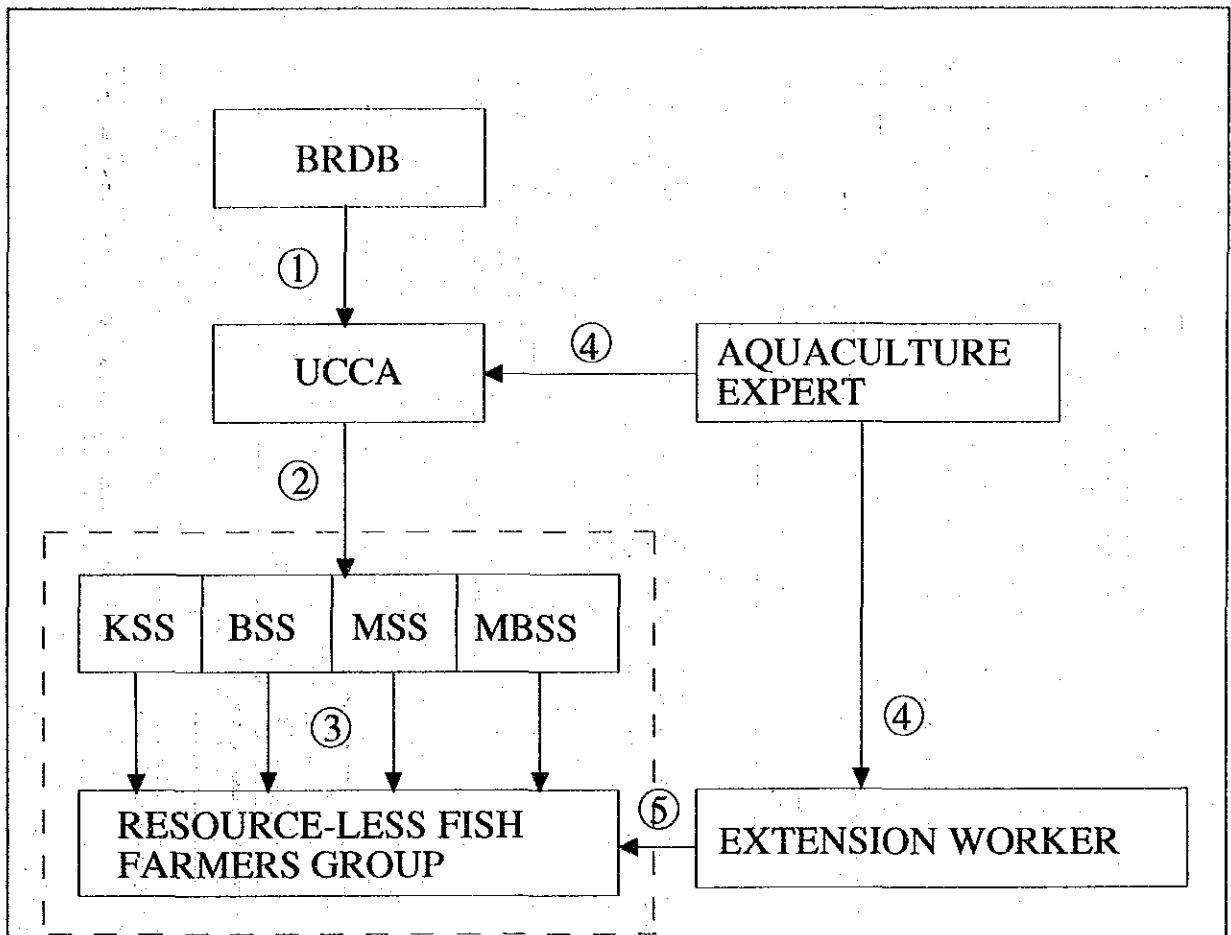


図 7.3 モデルグロス・センターにおけるグロス・センターの
現況および改修計画 (4/4) (デビッドウォール郡)

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- 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

图 7.4 半集約的養魚振興事業組織圖

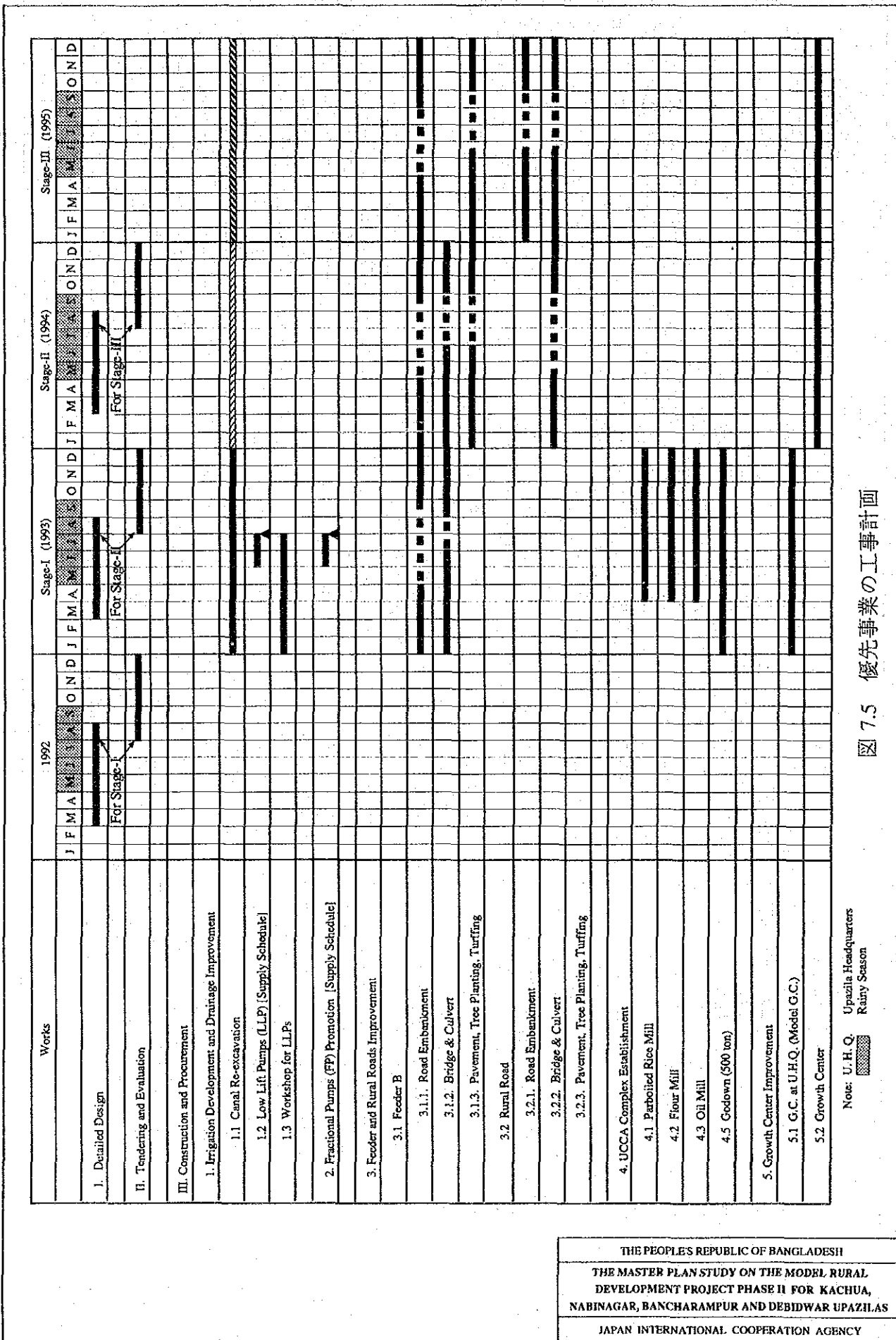


図 7.5 優先事業の工事計画

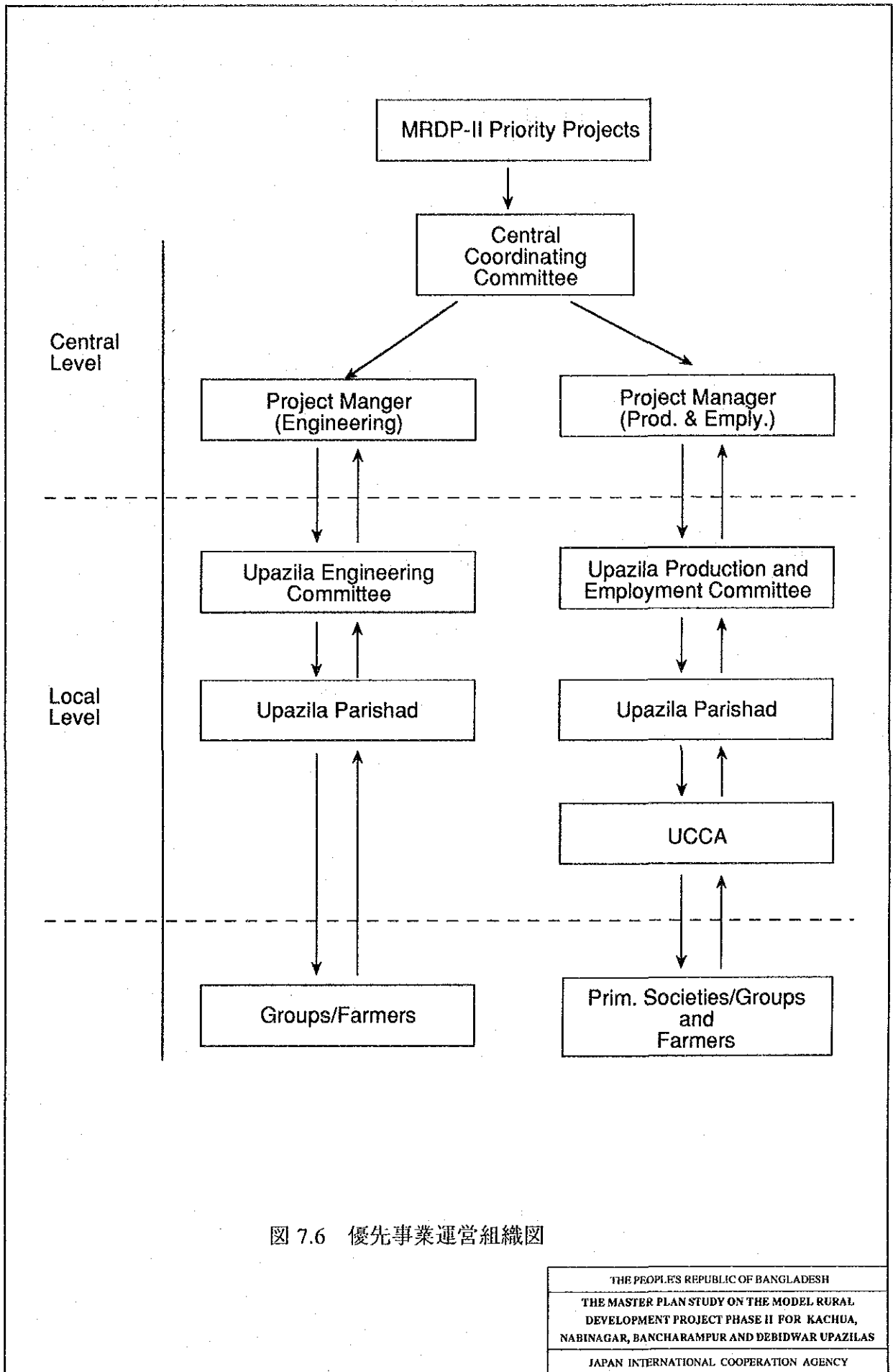


图 7.6 优先事业运营组织图

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