

PREFACE

In response to a request from the Government of People's Republic of Bangladesh, the Government of Japan decided to conduct a study for Rural Development Focusing on Flood Proofing in the People's Republic of Bangladesh and entrusted the study to Japan International Cooperation Agency (JICA).

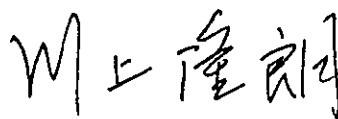
JICA selected and dispatched a study team headed by Mr. Takao Kume of Sanyu Consultants Inc., and composed of staff members of Sanyu Consultants Inc. and RECS International Inc. to Bangladesh, three times between December 2000 and July 2002.

The team held discussions with the officials concerned of the Government of People's Republic of Bangladesh and conducted field surveys at the study area. Based on the field surveys, the team conducted further studies and prepared this final report.

I hope that this report will contribute to the promotion of this project and to the enhancement of friendly relationship between our two countries.

Finally, I wish to express my sincere appreciation to the officials concerned of the Government of Bangladesh for their close cooperation extended to the study.

August 2002



Takao Kawakami

President

Japan International Cooperation Agency

August 2002

Mr. Takao Kawakami
President
Japan International Cooperation Agency (JICA)
Tokyo, Japan

Letter of Transmittal

Dear Sir,

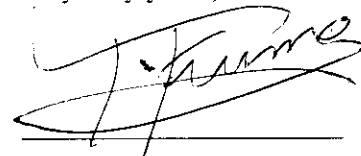
We are pleased to submit herewith our Final Report on the Study for Rural Development Focusing on Flood Proofing in the People's Republic of Bangladesh. This Report incorporates the findings and the plans formulated, based on the advice and suggestions of the authorities concerned with the Government of Bangladesh as well as your Agency and the Government of Japan.

This Study aims to formulate a plan for the rural development in flood-prone Char and Haor areas in Bangladesh covering the Char area in four districts of Gaibandha, Jamalpur, Kurigram and Sirajganj and the Haor area in four districts of Habiganj, Kishoreganj, Netrokona and Sunamganj.

The development objectives include among others (i) protection of human lives and household properties from the flood, (ii) living environment improvement, (iii) livelihood development, and (iv) capacity building. Based on the basic strategy, model projects are formulated, as components, minimal flood-proofing measures, as well as flood warning and evacuation system and a set of livelihood development.

We wish to take this opportunity to express our sincere gratitude to your Agency and the Ministry of Foreign Affairs of the Government of Japan for the kind assistance extended. We wish to express our deep gratitude also to Ministry of Local Government, Rural Development and Cooperatives, the People's Republic of Bangladesh for the close cooperation and assistance extended to us during our studies.

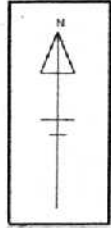
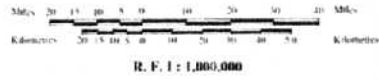
Very truly yours,



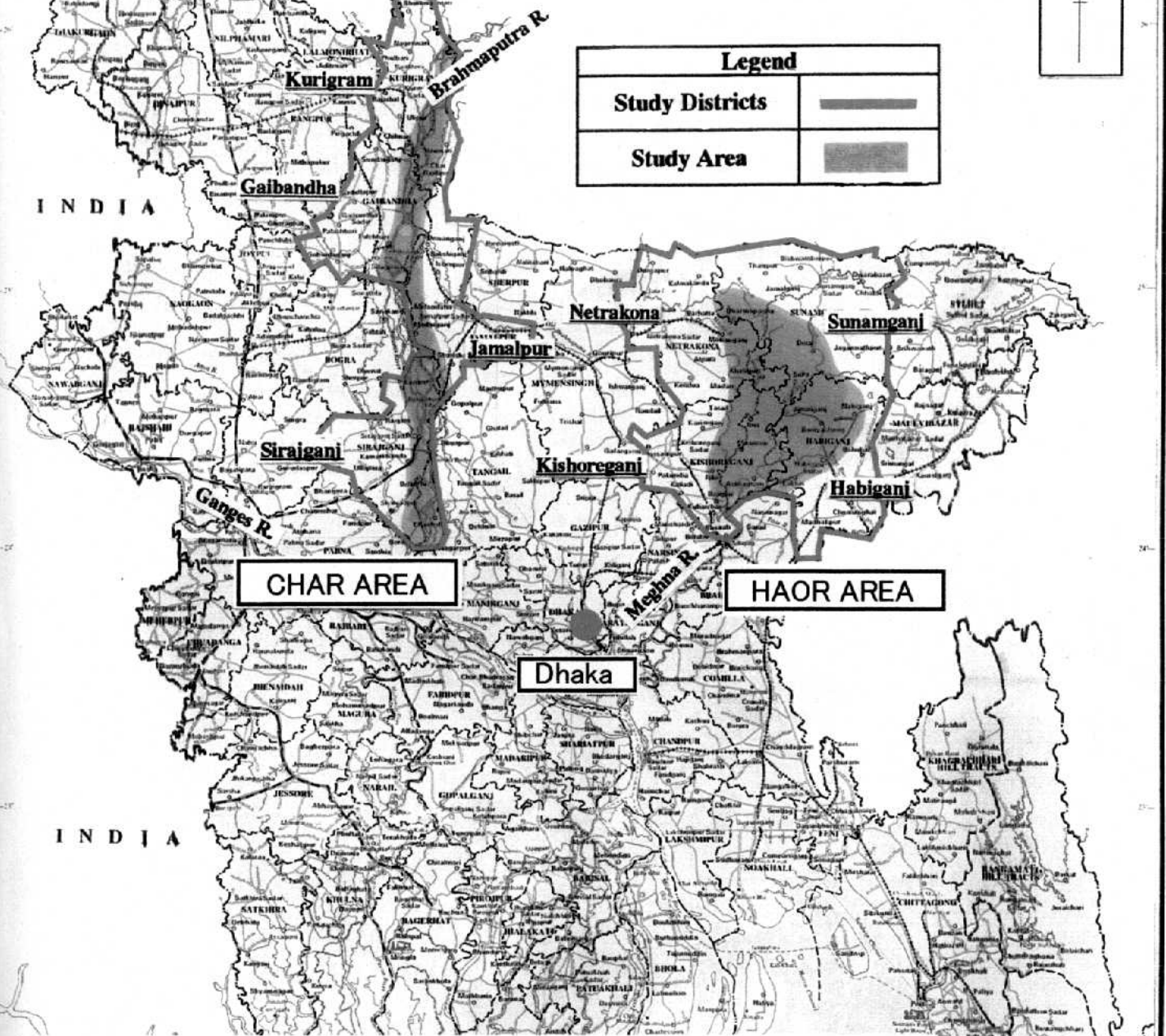
Takao Kume

Leader of the Study Team

LOCATION MAP



Legend	
Study Districts	
Study Area	



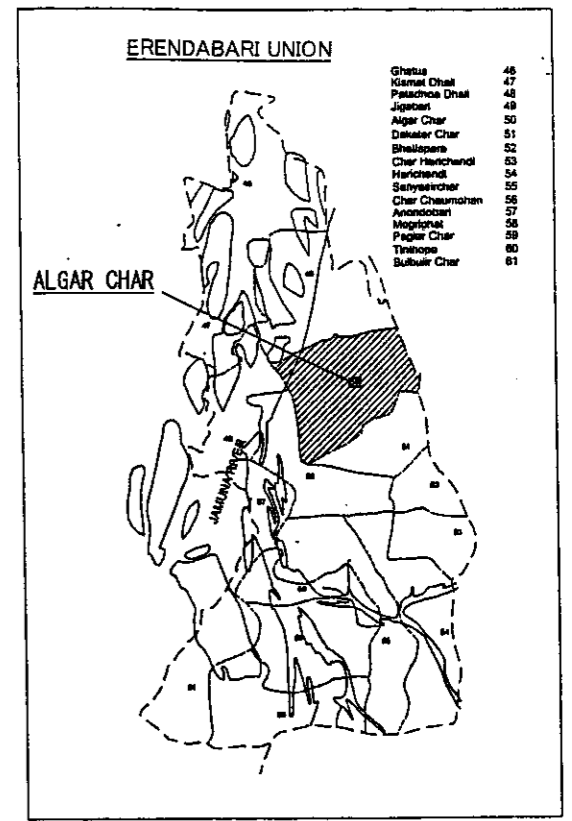
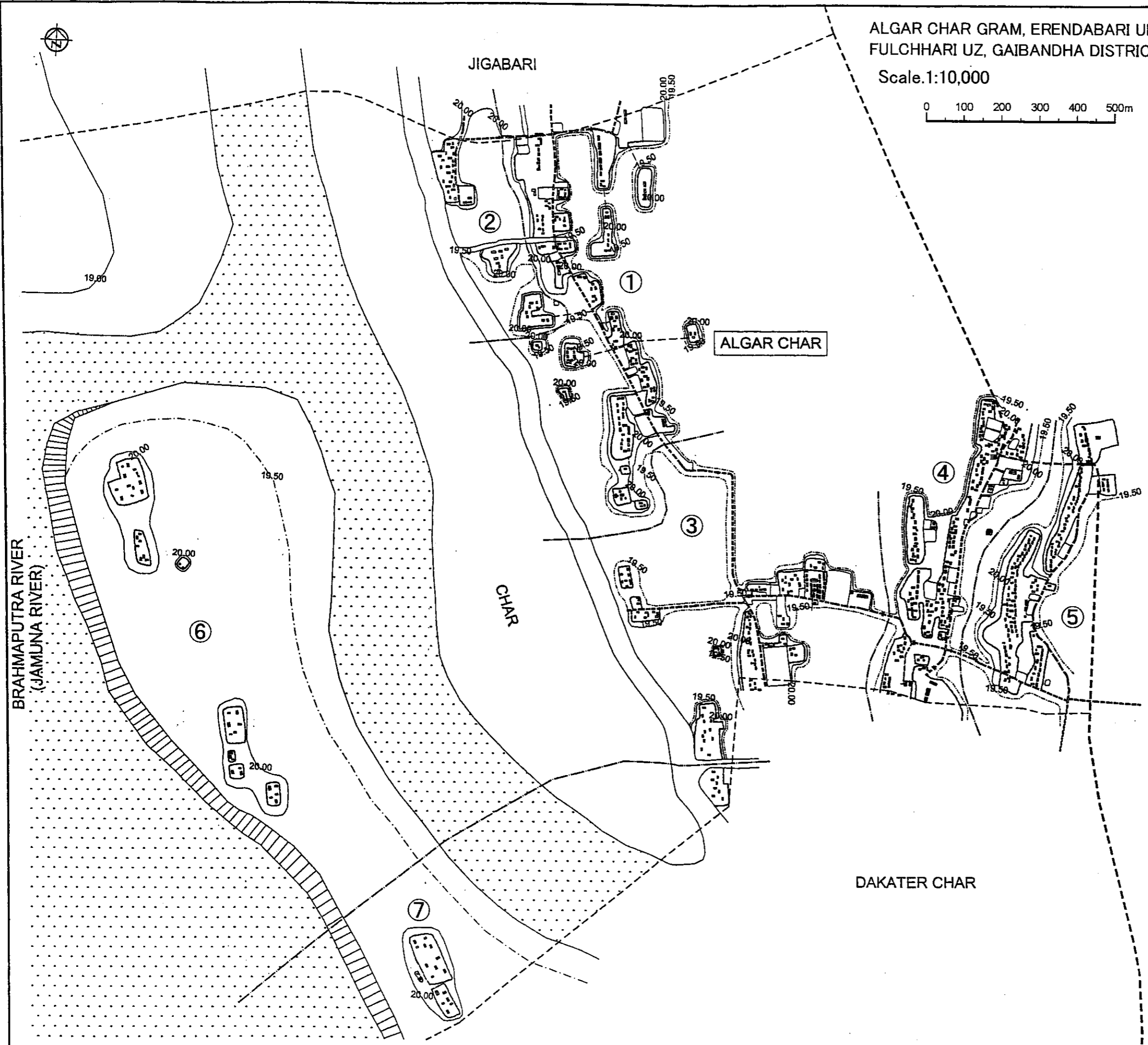
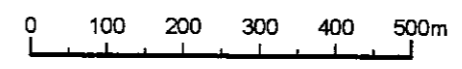
General Feature of the Study Area

Zila Head Quarter	Upazila Head Quarter	Study Area(km ²)
CHAR AREA		
1 Gaibandha	Fulchhari, Gaibandha Sadar, Saghatta, Sundargani	2,665
2 Jamalpur	Dewanganj, Islampur, Madarganj, Sarishabari	
3 Kurigram	Char Rajibpur, Chilmari, Kurigram Sadar, Nageshwari, Raumari, Ulipur	
4 Sirajganj	Belkuchi, Chauhali, Kazipur, Shahjgani, Sirajgani Sadar	
HAOR AREA		
5 Habiganj	Ajmirigani, Bahubal, Baniachang, Habiganj Sadar, Lakhai, Madhabpur, Nabiganj	6,502
6 Kishoreganj	Austagram, Bajitpur, Itna, Karimganj, Kishoreganj Sadar, Mithamain, Nikli, Tarail	
7 Netrokona	Khaliajuri, Kalmakanda, Madan, Mohanganj	
8 Sunamganj	Bishwambarpur, Chhatak, Derai, Dhampasha, Dowarabazar, Jagannathpur, Jamalganj, Sulla, Sunamganj Sadar, Tahirpur	

MYANMAR

ALGAR CHAR GRAM, ERENDABARI UNION
FULCHHARI UZ, GAIBANDHA DISTRICT

Scale: 1:10,000



LEGEND

- DISTRICT BOUNDARY
- PARA BOUNDARY
- EMBANKMENT ROAD
- - - FOOT PATH
- VILLAGE MOUND
- WATER POND
- RIVER BANK
- STEEP AREA
- CONTOUR FOR EACH METERS
- CONTOUR FOR EACH 50 CENTIMETERS

FULCHHARI U.Z, GAIBANDHA DISTRICT
ALGAR CHAR, ERENDABARI UNION

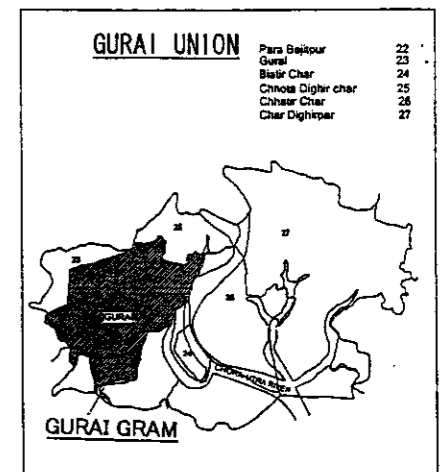
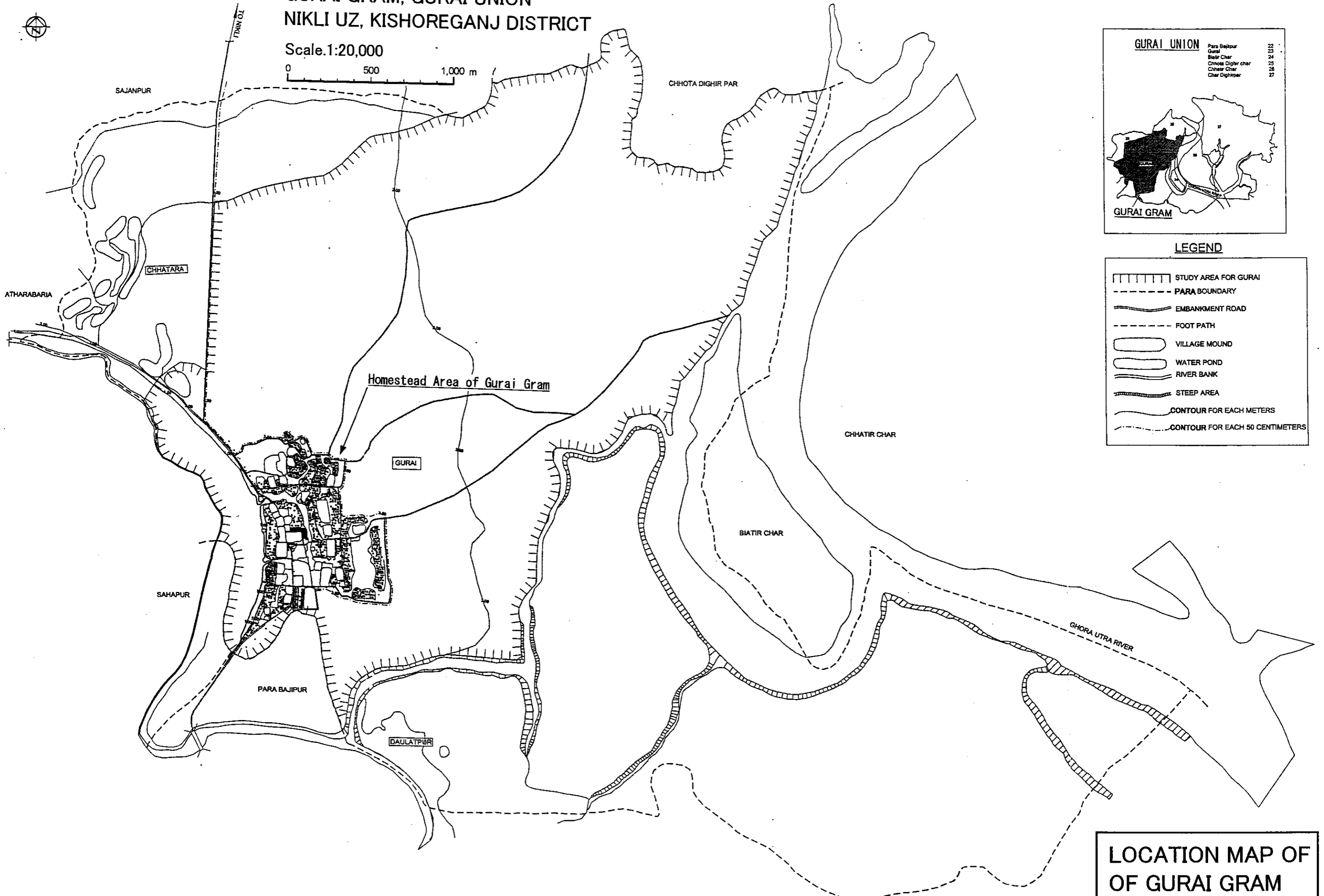
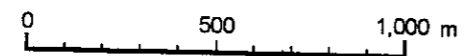
ALGAR CHAR

- ① JALAL SARKER/HOSSAIN MEMBER PARA
- ② MOKBUL BAPARIE PARA
- ③ RAZZAK CHAIRMAN PARA
- ④ AKLAS MEMBSR/SAMAD FAKIR PARA
- ⑤ JOYNALMEMBER/HASEN KHALIFA PARA
- ⑥ ZOLIL DEWANI PARA
- ⑦ MAHAR MUNSHI PARA

LOCATION MAP OF
ALGAR CHAR GRAM

GURAI GRAM, GURAI UNION
 NIKLI UZ, KISHOREGANJ DISTRICT

Scale: 1:20,000



GURAI UNION	
Para Bajipur	22
Gurai	23
Bhatir Char	24
Chhota Dighir char	25
Chhatir Char	26
Char Digherpar	27

LEGEND

	STUDY AREA FOR GURAI
	PARA BOUNDARY
	EMBANKMENT ROAD
	FOOT PATH
	VILLAGE MOUND
	WATER POND
	RIVER BANK
	STEEP AREA
	CONTOUR FOR EACH METERS
	CONTOUR FOR EACH 50 CENTIMETERS

**LOCATION MAP OF
 OF GURAI GRAM**