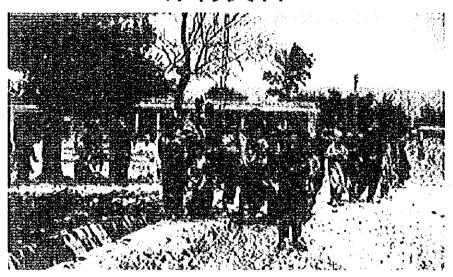
添付資料



- 1 実施要項 (S/W)
- 2 協議議事録(インセプションレポート)
- 3 協議議事録(プログレスレポート1)
- 4 協議議事録(インテリムレポート)
- 5 協議議事録(プログレスレポートⅡ)
- 6 協議議事録 (ドラフトファイナルレポート)

SCOPE OF WORK FOR THE FEASIBILITY STUDY

ON

THE IRRIGATION WATER RESOURCES DEVELOPMENT WITH

DELAY ACTION DAMS PROJECT

IN

BALOCHISTAN

IN

THE ISLAMIC REPUBLIC OF PAKISTAN

AGREED UPON BETWEEN

THE GOVERNMENT OF BALOCHISTAN

IN

THE ISLAMIC REPUBLIC OF PAKISTAN

AND

JAPAN INTERNATIONAL COOPERATION AGENCY

Quetta, 20. December, 1995

M. Azam Baloch

Secretary,

Irrigation and Power Department

Government of Balochistan

KAZUO HARADA)

Leader,

Preparatory Study Team

Japan International Cooperation Agency

I. INTRODUCTION

In response to the request of the Government of the Islamic Republic of Pakistan (hereinafter referred to as "GOP"), the Government of Japan has decided to conduct the Feasibility Study on the Irrigation Water Resources Development With Delay Action Dams Project in Balochistan in the Islamic Republic of Pakistan (hereinafter referred to as "the Study") in accordance with the relevant laws and regulations in force in Japan.

Accordingly, Japan International Cooperation Agency (hereinalter 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 GOP and the Government of Balochistan (hereinafter referred to as "GOB")

The present document sets forth the Scope of Work with regard to the Study mentioned above.

II. OBJECTIVES OF THE STUDY

The objectives of the study are:

- 1. To develop ground water resource for irrigation by delay action dams, thus contribute to improvement of the quality of life of farmers.
- 2. To make a feasibility study report on the irrigation water resources development with delay action dams project in Balochistan (hereinalter referred to as "the Project"), and
- 3. To carry out technology transfer to Bulochistani counterpart personnel through on-the-job training in the course of the Study.

III. Study Area

The Study covers construction sites of the proposed delay action dams and their benefited area in Balochistan.

Those proposed delay action dams are shown in the Minutes of Meeting.

IV. Scope of the Study

Phase I

- 1. Collection of Data, Information and Field survey
 - (1) Natural condition
 - a. Meteorology



21

- b. Hydrology
- c. Geology
- d. Soil
- e. Topography
- f. Others

(2) Agriculture

- a. Land use and tenure
- b. Cropping pattern and yield
- c. Agro-economy and institution
- d. Agricultural supporting system
- e. Others

(3) Agricultural infrastructure

- a. Irrigation and drainage facilities
- b. Wells
- c. Others

(4) Socio-economic condition

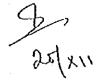
- a. Population
- b. Household and farmers
- c. Regional socio-economy and household economy
- d. Social and farmers organizations
- e. Historical right/customs regarding irrigational water usage
- f. Others

(5) Other information related to the Project

- a. Administrative organizations related to the Project
 - b. Others
- 2. Review of other relevant projects and related projects
- 3. Evaluation of completed delay action dams
- 4. Initial Environmental Examination
- 5. Evaluation of the proposed delay action dams and selection of the priority delay action dams for the feasibility study in Phase II

Phase II

1. Collection of supplementary data and information on the priority delay action dams through additional field survey



T

- 2. Environmental Impact Assessment on the priority delay action dams.
- 3. Formulation of the development plan on the priority delay action dams including following components.
 - (1) Agriculture
 - (2) Irrigation and drainage
 - (3) Agricultural infrastructure
 - (4) Delay action dams
 - (5) Environmental preservation
 - (6) Preliminary design of major structures
 - (7) Operation and maintenance
 - (8) Implementation schedule
 - (9) Estimation of the Project cost and benefit
 - (10) Evaluation of the Project

V. STUDY SCHEDULE

The Study will be carried out in accordance with the attached tentative work schedule as ANNEX I.

VI. REPORTS

IICA shall prepare and submit the following reports in English to GO8.

1. Inception Report

Thirty(30) copies in English at the commencement of the Phase I study.

2. Progress Report(1)

Thirty(30) copies in English at the end of the field work of Phase I study.

3. Interim Report

Thirty(30) copies in English at the commencement of the Phase II study.

4. Progress Report(2)

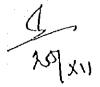
Thirty(30) copies in English at the end of the field work of the Phase II study.

5. Draft Final Report

Thirty(30) copies in English at the end of the Second home office work. The Pakistani side provides JICA with its comments on the Draft Final Report within one(1) month after receipt of the Draft Final Report.

6. Final Report

Fifty(50) copies in English within one(1) month after receiving Pakistan's



H.

comments on the Draft Final Report

VII. UNDERTAKING OF GOP

To facilitate the smooth conduct of the Study, GOP shall take necessary measures:

- 1. To secure the safety of the Japanese study team.
- 2. To permit the members of the Japanese study team to enter, leave and sojourn in the Islamic Republic of Pakistan for the duration of their assignment therein, and exempt them from foreign registration requirements and consular fees.
- 3. To exempt the members of the Japanese study team from taxes, duties and other charges on equipment, machinery and other materials brought into and out of the Islamic Republic of Pakistan for the conduct of the Study.
- 4. To exempt the members of the Japanese study team from income taxes and charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese study team for their services in connection with the implementation of the Study.
- 5. To provide the necessary facilities to the Japanese study team for remittance as well as utilization of the funds introduced into the Islamic Republic of Pakistan from Japan in connection with the implementation of the Study.
- 6. To secure permission for entry into private properties and other areas for the conduct of the study when necessity arises.
- 7. To secure permission for the Japanese study team to take copies of all data and documents including photographs and maps. (excluding restricted material) related to the Study out of the Islamic Republic of Pakistan to Japan.
- 8. To provide medical services as needed and its expenses will be chargeable on the members of the Japanese study team.

VIII. UNDERTAKING OF GOS

1. GOB shall bear claims, if any arises against the members of the Japanese study 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 acise from gross negligence or willful misconduct on the part of the members of the Japanese study team.

20/111

- 2. GOB has all responsibilities for the implementation of the Study and also as coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.

 Irrigation and Power Department, GOB shall act as counterpart agency to the Japanese study team
- 3. GOB shall, at its own expense, provide the Japanese study team with the followings, in cooperation with other relevant organizations:
 - (1) Available data and information related to the Study,
 - (2) Counterpart personnel,
 - (3) Credentials or identification cards, and
 - (4) Suitable office space with necessary equipment in Quetta and project sites.

IX. UNDERTAKING OF JICA

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

- 1. To dispatch, at its own expense, the Japanese study team to Balochistan in the Islamic Republic of Pakistan.
- 2. To perform technology transfer to the Balochistani counterpart personnel in the course of the Study.

X. CONSULTATION

JICA and GOB shall consult with each other in respect of any matter that any arise from or in connection with the Study.

TENTATIVE WORK SCHEDULE

Month		Ċì	3			ี้ผ	9		7	1 4 1 5 1 6 1 7 1 8 1 9 1 10 1 11 12 " 13 1 14 1 15 1 16 · 17		٠.	01		. -	12	5	 . 4	1.5	•	. 91	17
Vyory bioligical graph (Fig. Vyork)	-			_	-	, ا										ſ					©	
	•		 <u>.</u>	-)			J _		-		:	. ;					;	Ì	; !	
					ļ., ļ							•			••			•				
חומתר שו אסמי Sollice worl			* · · ·	:					••						l							
			100					•	,				H candd.	=								أ أ
The state of the s				1	٠.			ţ	ļ			ĺ .	4	1 2						٠.		
Report	4		_	4	 		. .		4					^S i -	द						٤}	4
	16/8			1/4	P / R(1)				×		• •		}	P: R(2)	ට					Ω	2	טנית היאם

(Remarks) Ic/R :Ince

/R :Inception Report R(I) : Progress Report(1)

(2) : Interim Report (2) : Progress Report (2) R

Di / R : Dent Final Report

Comments on DF R by the Bulochistan side

4/13

MINUTES OF MEETING

ON

SCOPE OF WORK

FOR

THE FEASIBILITY STUDY

ON

THE IRRIGATION WATER RESOURCES DEVELOPMENT

RTTW

DELAY ACTION DAMS PROJECT

IN

BALOCHISTAN

IN

THE ISLAMIC REPUBLIC OF PAKISTAN

The Preparatory Study Team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA"), hended by Mr. Kazuo HARADA, visited the Islamic Republic of Pakistan from December 9th to 22nd, 1995 for the purpose of discussing and confirming the Scope of Work for the Study on the Irrigation Water Resources Development with Delay Action Dams Project in Balochistan in the Islamic Republic of Pakistan (hereinafter referred to as "the Study").

The Team had a series of discussions with the officers concerned of Irrigation and Power Department, the Government of Bulochistan (hereinafter referred to as "IPD") and other organizations concerned. The list of participants in the meeting i attached in the Annex 1.

As a result of the discussions, IPD and the Team agreed on the Scope of Work for the Study.

The following are the main issues discussed and agreed upon by both sides in relation to the Scope of Work for the Study,

1. Both sides agreed that the Study would cover proposed delay action dams located

20/14

2

- in Quetta, Pishin, Qita Abdullah, Mastung and Kalat districts:
- (1) The Study covers, for the following reasons, the proposed delay action dams which are located in the five districts:
 - A. An appropriate planning for the priority delay action dams requires time consuming scrutiny of the completed delay action dams in terms of technical and other related aspect. However, as time allowed for the Study is limited, it is advisable, for an efficient implementation of the Study, that the proposed delay action dams should concentrate in a certain area.
 - B. It is desirable, in order to efficiently collect necessary information such as hydrological and geological data, that the proposed delay action dams should concentrate in a certain area.
 - C. The concentration of the proposed delay action dams in a certain area will facilitate an effective technical transfer, which is one of the most significant objectives of the Study
- (2) Quetta, Pishin, Qila Abdullah, Mastung and Kalat districts have been experiencing a considerable decline in groundwater level.
- (3) The priority delay action dams will significantly contribute to expanding arable land in Quetta, Pishin, Qila Abdullah, Mastung and Kalat districts, which are principal horticultural areas in the province.
- 2. Both sides agreed that the study would cover the following proposed delay action dams:

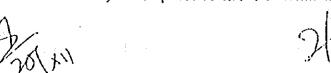
No.	Name of delay ac	tion dam	District	Round number of beneficiaries	Round effective area (acre)
(1)	Brewary		Quetta	5,000	2,000
(2)	Ghutai Shela		Quetta	2.000	500
(3)	Wali Dad		Quetta	1,000	500
(4)	Dara		Quetta	2,000	800
(5)	Mucghi Kotal		Quetta	1,000	400.
(6)	Kach		Quetta	400	500
(7)	Jigda		Pishin	1,000	250
(8)	Sanzali		Pishia	500	300
(9)	Arambi		Qila Abdullab	3,000	1,000
(10)	Sakhol		Mastung	1,500	2,000
(11)	Mongi	• .	Mastung	300	200

26/411

 O_{\parallel}

(12) Kad Kocha	Mastung	400	300
(13) Iskalkoo	Kalat	300	200

- 3. All the proposed delay action dams mentioned above will be studied and the priority delay action dams will be subsequently selected in the Phase I. The priority delay action dams will be further studied in the Phase II.
- 4. Both sides agreed that the requested delay action dams which had not been included in the Study would be studied, by applying the result of the Study, by the GOB.
- 5. Both sides agreed that the Study would conduct a thorough survey on the existing participatory operation/maintenance system of irrigation facilities, and recommend an improvement plan.
- 6. Both sides agreed that the Study would take account of the following principal aspects in the delay action dam project.
 - (1)Planning and design for cost-effective delay action dam
 - (2) Siltation and other related problems
 - (3) Adverse impact on actual flood irrigation and its benefit areas
- 7. GOB promised to provide the Study Team with a topographical map on the scale of 1:50,000, which is essential to the Study.
- 8. GOB promised to maintain, at its own expense, access coads to the proposed delay action dams.
- 9. GOB promised to provide the Study Year with relevant information concerned with the planning and design of both existing and proposed delay action dams.
- 10. The Study Team shall exclude a part of the study area from the study, wherever security problems arise.
- 11. Security guards will be provided in field survey by GOB at its own expense.
- 12. IPD requested equipments and vehicle(s) for the Study be arranged by IICA. The Team promised to convey its request to the Government of Japan.



- 13. Office space at least one room with telephone and necessary furniture for the Study Team will be provided by IPD at its own expense.
- 14. IPD requested the counterpart training in Japan. The Team promised to convey its request to the Government of Japan.
- 15. IPD requested that the Study period should be reduced to 12months and the Team promised to convey its request to the Government of Japan.

Quetta, 20, December, 1995

M. Azam Balogy

Secretary.

Irrigation and Power Department.

Government of Balochistan

Kazvo HARADA

Leader.

Preparatory Study Team

Japan International Cooperation Agency

ANNEX I

LIST OF PARTICIPANTS

Iccigation and Power Department

Mr. Abdul Hamid Khan Achakzai

Minister

Mr. M. Azam Baloch

Secretary

Mr. Abdus Salam Khan

Chief Engineer

Mr. Sher Zaman Khan

Executive Engineer (Quetta)

Mc. Imcan Ducrani

Executive Engineer (Pishin)

Mr. Ahmed Khan Dehpal

Executive Engineer (Mastung)

Mr. Ittikhar Mir

Executive Engineer (PD&P)

Planning and Development Department

Mr. Ata M. Isifaw

Additional chief secretary (Development) P&D

Mr. Anwarul Haq Badar

Chief of section of water P&D

The Team

Mr. Kazuo HARADA

Mr. Ken EUJIWARA

Mr. Kovichico EGUCHI

Mr. Nobuyuki BIZEN

Mr. Masaki OGA

Ms. Minako SATO

Leader

Member

Member

Member

Member/Coordinator

Member

2

添付資料2 協議議事録(インセプションレポート)

ON INCEPTION REPORT

FOR

THE FEASIBILITY STUDY
ON
THE IRRIGATION WATER RESOURCES DEVELOPMENT
WITH
DELAY ACTION DAMS PROJECT
IN
BALOCHISTAN

AGREED UPON BETWEEN

IN THE ISLAMIC REPUBLIC OF PAKISTAN

THE GOVERNMENT OF BALOCHISTAN THE ISLAMIC REPUBLIC OF PAKISTAN

AND

JAPAN INTERNATIONAL COOPERATION AGENCY

Quetta, April 14, 1996

Ata Mehammad Jaffar Additional Chief Secretary Planning and Development Department

Government of Balochistan

Katsuhiko Kimura

Team Leader

JICA Feasibility Study Team

Satoshi Nagata

Advisory Committee for the Study Japan International Cooperation Agency

MINUTES OF MEETINGS ON THE INCEPTION REPORT

Date and Place: April 11, 1996 (9:00 - 10:00), at Irrigation and Power Department,

: April 11, 1996 (15:00 - 16:30), at Planning and Development Department,

Government of Balochistan

Attendants:

See attached list

In accordance with the Scope of Work for the Feasibility Study on the Irrigation Water Resources Development with Delay Action Dams Project (hereinafter referred to as "the Study"), signed on December 20th, 1995 between the Japan International Cooperation Agency (hereinafter referred to as "the JICA") and the Irrigation and Power Department (hereinafter referred to as "the IPD") of the Government of Balochistan, the JICA Feasibility Study Team prepared and submitted the Inception Report to the IPD on April 11th, 1996 prior to the commencement of the Study.

The meetings were held between the Study Team and the Government of Balochistan (hereinafter referred to as "the GOB") on April 11th, 1996 for the discussion on the Inception Report (see Annex-1). Both parties have mutually confirmed the followings:

- 1. The Study Team submitted 35 copies of the Inception Report to the GOB. After explanation and discussion, the Inception Report of the Study was accepted by the GOB. Therefore, the contents of the Inception Report were generally agreed by both parties.
- 2. The GOB agreed that the Study should be confined in the five (5) districts of Quetta, Pishin, Qila Abdullah, Mastung and Kalat according to the Scope of Work, in case desires other areas also to be studied, a separate request will be necessary for the technical assistance.
- 3. In response to the request by the Environmental Protection Agency (EPA) to conduct the Environmental Impacts Assessment (EIA) on the Study, the Study Team explained that the EIA would be conducted in Phase II if required, on the basis of the result of the Initial Environmental Examination (IEE) conducted in Phase I.
- 4. The Study Team requested the GOB to provide the available data related to the Study. The request was agreed to by the GOB.
- 5. The IPD nominated counterparts listed in the Annex-2 from the related agencies, and will nominate the rest of the counterparts requested by the Study Team in a few days.
- 6. The Minutes of Meetings is signed by the Additional Chief Secretary of the Planning and Development Department who chaired the major meeting on April 11th held at the Planning and Development Department instead of the IPD. However, the responsibility of the IPD is maintained in accordance with the Scope of Work.

Annex-1 List of Attendants

Name	Posi	tion and Department
(Pakistan side)		
Ata Mohammad Jaffar	Additional Chief Secretary	Planning and Development Department
Muhammad Azam Baloch	Secretary	Irrigation & Power Department
Sardar Sharif	Secretary	Agriculture & Cooperative Department
Abdus Salam Khan	Chief Engineer, Irrigation	Irrigation Department
Muhmmad Hanif Khan	Chief Engineer	Communication & Works Department
Sardar Munir Ahmad	Chief Engineer	Public Health Engineering Department
Zulfigar Ali Khan	Director General, Agricultur	e Agriculture Department
S. H. A. Durrani	Director General, Environme	
Fida Muhammad	Project Director, Hydrogeok	ogy Water and Power Development Authority
Muhammod Rafiq	Director General	Environmental Protection Agency
Arshed Zahoor	Director Research	Livestock & Diary Development Department
Wassey Durrani	Director	Population Welfare Programme
M. Amin Lashari	Director	Education Department
Mohammad Anwar	Director	Local Government Department
Sher Zaman Khan	Executive Engineer	Irrigation Division Quetta
Noor Ahmad Naz	Deputy Director	Education Department
Anwar-ul-Haq Badar	Chief Water	Planning & Development Department
(Japanese side)		
JICA		
Satoshi Nagata	and the second s	f Advisory Committee for the Study
Shiro Nabeya		e, Forestry and Fisheries Development
and the second of the second o	Study Dep	artment
4.35.0 - 1 - 1 - 1 - 1		
JICA Feasibility Study Tear		
Katsuhiko Kimura		ler/Water Management
Makoto Suga	Groundwat	
Shuichi Matsushima		& Dminage/O&M
Kunihiko Ohno	•	Tarmers' Organization
Takahiro Kato	Dam Desig	
Akira Koto	-	e/Supporting System
Keiichiro Kobayashi	Coordinati	on

Annex-2 Names and Background of Counterparts

Background	Name of Counterpart/Department
÷	
Chief Counterpart/	
Water Management	Irrigation and Power Department
	Mr. Noor Ahmed Batoch
Groundwater	
	Irrigation and Power Department
	Mr. Abdul Qadir
Irrigation Drainage/Civil Eng	gineering/Dam Engineering
	Irrigation and Power Department
	Mr. Imran Durrani
	(Pishin and Qila Abdullah Districts)
	Mr. Sher Zaman Khan
	(Quetta District)
	Mr. Ahmed Khan Dehpal
	(Mastung and Kalat Districts)
Sociology	Planning and Development Department
Agriculture	Agriculture and Cooperative Department
Agro-economy	Planning and Development Department/
	Agriculture and Cooperative Department
Environment	Planning and Development Department/
	Environment Protection Agency

Remarks: The IPD appropriately nominates counterpart personnel from the district offices of the related agencies for the Study as the Study Team requested.

添付資料3 協議議事録 (プログレスレポートI)

MINUTES OF MEETINGS ON PROGRESS REPORT (1)

FOR

THE FEASIBILITY STUDY ON THE IRRIGATION WATER RESOURCES DEVELOPMENT WITH **DELAY ACTION DAMS PROJECT** IN BALOCHISTAN IN THE ISLAMIC REPUBLIC OF PAKISTAN

AGREED UPON BETWEEN

THE GOVERNMENT OF BALOCHISTAN THE ISLAMIC REPUBLIC OF PAKISTAN

AND

JAPAN INTERNATIONAL COOPERATION AGENCY

Quetta, June 24, 1996

Abdul Salam Khan Chief Engineer

Irrigation Department

Government of Balochistan

Katsuhiko Kimura

Team Leader

JICA Feasibility Study Team

MINUTES OF MEETINGS ON THE PROGRESS REPORT (1)

the Feasibility Study on the Irrigation Water Resources Development with Delay Action Dams Project in Balochistan

1. Date and Place: June 16, 1996, at Conference room of Irrigation Department

: June 24, 1996, at Office of Chief Engineer, Irrigation Department,

Government of Balochistan

2. Attendants : See attached list

3. Summary of Discussions:

The JICA Study Team submitted the Progress Report (1) to the Irrigation Department, Government of Balochistan on June 24, 1996. Prior to the submission of the Progress Report (1), the First meeting was held on June 16, 1996 between the JICA Study Team and Irrigation Department at the Conference room of the Irrigation Department together with the representatives from concerned counterpart agencies, and the Second meeting was held on June 24, 1996 between the JICA Study Team and the Irrigation Department at the Office of Chief Engineer of the Irrigation Department. Various discussions were made during those meetings and following were confirmed:

- (1) Thirty five (35) copies of the Progress Report (1) were submitted and accepted by the Irrigation Department and other counterpart agencies.
- (2) It was mutually agreed that the manuals of the dam planning and design shall be prepared through sufficient discussions between both parties in conformity to the purpose of application. Especially, fundamental issues, e.g. estimates of the design flood discharge and storage capacity allocation comprising of the capacities of the sediment and run-off for recharge, shall be deliberated to agree with an actual conditions of the project areas.
- (3) The JICA Study Team expressed to continuously research effective methods for maintaining recharge function by the delay action dams in further study.
- (4) The JICA Study Team explained the Irrigation Department that about eight (8) delay action dam sites amongst thirteen (13) proposed sites will be prioritized for the further feasibility study in Phase 2 during the continual study in Japan.



Annex List of Attendants

	Name	Position	Department
(Pakista	n side)		
	Abdul Salam Khan	Chief Engineer	Irrigation Department
	Mian Basir Ahmed	Chief Planning	Water Resources Bureau Irrigation Department
	Mohammed Basir Khawaja	Superintending Engineer Imgation	Irrigation Department, Kalat
	Sheerin Khan Luni	Superintending Engineer Imgation	Irrigation Department, Loralai
	Fazal Din Khan	Superintending Engineer Imigation	Irrigation Department, Sibi
	Munawar Khan Mandokhail	Superintending Engineer Imigation	Irrigation Department, Quetta
	Saifullah Khan	Superintending Engineer Planning, Development & De	Irrigation Department sign
	Noor Ahmed Baloch	Deputy Director Design (Chief Counterpart)	Irrigation Department
	Ahasan Iddait	Executive Engineer Technical	frrigation Department
	Imran Durrani Khan	Executive Engineer Imgation	Irrigation Department, Pishin
	Sher Zaman Khan	Executive Engineer Imigation	Irrigation Department, Quetta
	Ahmed Khan Dehpal	Executive Engineer Imgation	Irrigation Department, Mastung
	Abdul Qadir	Hydro-geologist	Irrigation Department
:	Khuad Khan Khajak	System Analyst	Irrigation Department
	Shoaib Ahmed	Sub Divisional Officer Inigation	Irrigation Department, Chaman
	Muhammad Tariq	Extra Assistant Director	Agricultural Department
	Abdul Nasir	Assistant Agronomist	Agricultural Department
JIČA Í	Feasibility Study Team)		
	Katsuhiko Kimura	Team Leader/Water Managem	ent
	Makoto Suga	Groundwater	
	Shuichi Matsushima	Irrigation & Drainage/O&M	
	Kunihiko Ohno	Sociology/Farmers' Organiza	tion
	Takahiro Kato	Dam Design	
	Akira Koto	Agriculture/Supporting Syste	em
1	Jiro Yabe	Structure Design/Cost Estima	
1			



添付資料4 協議議事録(インテリムレポート)

MINUTES OF MEETING
ON
INTERIM REPORT
FOR

THE FEASIBILITY STUDY

ON

THE IRRIGATION WATER RESOURCES DEVELOPMENT WITH

DELAY ACTION DAMS PROJECT

IN

BALOCHISTAN
IN THE ISLAMIC REPUBLIC OF PAKISTAN

AGREED UPON BETWEEN

THE GOVERNMENT OF BALOCHISTAN
THE ISLAMIC REPUBLIC OF PAKISTAN

AND

JAPAN INTERNATIONAL COOPERATION AGENCY

Quetta, October 13, 1996

Abdus Salam Khan

Chief Engineer Imigation Department

Government of Balochistan

Katsuhiko Kimura

Team Leader

JICA Feasibility Study Team

厕

75 11

Satoshi Nagata
The Member of the
Advisory Committee, JICA

MINUTES OF MEETING ON THE INTERIM REPORT

the Feasibility Study on the Irrigation Water Resources Development with Delay Action Danis Project in Balochistan

1. Date and Place: October 13 1996, at the office of Chief Engineer of Irrigation

Development, Government of Balochistan

2. Attendants : See attached list

3. Summary of Discussions:

The JICA Study Team submitted the Interim Report to the Irrigation Department, Government of Balochistan on October 9, 1996. The meeting regarding the Interim Report was held on October 13, 1996 between the JICA Study Team and the Irrigation Department at the Office of the Chief Englneer, Irrigation Department. A series of discussions were made during the meeting and the following were confirmed.

- (1) Twenty three (23) copies of the Interim Report were submitted, and accepted by the Irrigation Department and other counterpart agencies concerned.
- (2) Both parties mutually agreed to continue technical discussions in order to finalize the preparatory guideline of Delay Action Dams proposed in the Interim Report during this field survey.
- (3) Both parties agreed that substantial comments on the Interim Report proposed by the Pakistan party should be reflected to the Draft Final Report which would be prepared at the termination of Phase II study.



and the state of t	Annex List of Attenda	· · · · · · · · · · · · · · · · · · ·
Name (Pakistan Side)	Position	Department
, ,		
Abdus Salam Khan	Chief Engineer	Irrigation Department
Ghulam Usman Babal	Superintending Engineer Planning, Progress and Design	Irrigation Department, Quetta
Noor Ahmed Baloch	Deputy Director Design	Irrigation Department
	(Chief Counterpart)	
Sher Zaman Khan	Executive Englineer, Irrigation	Irrigation Department, Quetta
(Japan Side)		
JICA		
Makoto Kitanaka	Agriculture, Porestry and Fisheric	s Development Study Department
	Japan International Cooperation A	gency
Satoshi Nagata	Member of Advisory Committee (for the study
	Ministry of Agriculture, Forestry	and Fisheries
UCA Fessibility Study Team	The second of th	
Katsuhiko Kimura	Team Leader/Water Management	
Makoto Suga	Groundwater	
Shulchi Matsushima	Irrigation & Drainage/O&M	
Kunihiko Ohno	Sociology/ Farmers' Organization	
Takahiro Kato	Dam Design	
Akira Koto	Agriculture/Supporting System	
Kelichiro Kobayashi	Coordination	•

添付資料5 協議議事録(プログレスレポート』)

MINUTES OF MEETING

ON

PROGRESS REPORT (II)

FOR

THE FEASIBILITY STUDY

ON

THE IRRIGATION WATER RESOURCES DEVELOPMENT

WITH

DELAY ACTION DAMS PROJECT

IN

BALOCHISTAN

IN THE ISLAMIC REPUBLIC OF PAKISTAN

AGREED UPON BETWEEN

THE GOVERNMENT OF BALOCHISTAN
THE ISLAMIC REPUBLIC OF PAKISTAN

AND

JAPAN INTERNATIONAL COOPERATION AGENCY

Quetta, December 29, 1996

Abdus Salan Khan Chief Engineer

Irrigation Department

Government of Balochistan

Katsuhiko Kimura

Team Leader

JICA Feasibility Study Team

MINUTES OF MEETING ON THE PROGRESS REPORT (II)

the Feasibility Study on the Irrigation Water Resources Development with Delay Action Dams Project in Balochistan

Date and Place: December 29 1996, at the office of Chief Engineer of Irrigation
 Development, Government of Balochistan

2. Summary of Discussions:

The JICA Study Team submitted the Progress Report (II) to the Irrigation Department, Government of Balochistan (GOB) on December 28, 1996. The meeting regarding the Progress Report (II) was held on December 29, 1996 between the Chief Engineer of the Irrigation Department of GOB, and the JICA Study Team. A discussion was made and the following were confirmed.

- 1) The JICA Study Team submitted thirty five (35) copies of Progress Report (II) to the Government of Balochistan. The Report was received by the GOB.
- 2) The JICA Study Team suggested that the GOB could inquire and comment on the Report by mail or fax for the address of Tokyo Office of Nippon Giken Inc. in order to reflect Draft Final Report during home office work in Japan. The comments should be reached the JICA Study Team within one month.
- 3) The GOB requested the JICA Study Team to inform the arrival date and schedule of the Team visiting Pakistan for explanation of Draft Final Report before more than two weeks of the arrival date.

添付資料 6 協議議事録 (ドラフトファイナルレポート)

MINUTES OF MEETING

ON

DRAFT FINAL REPORT

FOR

THE FEASIBILITY STUDY

ON

THE IRRIGATION WATER RESOURCES DEVELOPMENT

WITH

DELAY ACTION DAMS PROJECT

IN

BALOCHISTAN

IN THE ISLAMIC REPUBLIC OF PAKISTAN

AGREED UPON BETWEEN

THE GOVERNMENT OF BALOCHISTAN THE ISLAMIC REPUBLIC OF PAKISTAN

AND

JAPAN INTERNATIONAL COOPERATION AGENCY

Quetta, March 24, 1997

Abdus Salam Khan Chief Engineer

Imigation Department

Government of Balochistan

Katsuhiko Kimura

Team Leader

JICA Feasibility Study Team

· Witness:

Kazuhiro Yoshida

Agricultural Development Study Division,

Agriculture, Forestry and Fisheries Development Study Department, JICA

MINUTES OF MEETING ON DRAFT FINAL REPORT

the Feasibility Study on the Irrigation Water Resources Development with Delay Action Dams Project in Balochistan

1. Date and Place:

March 22, 1997, at the office of Secretary of Irrigation and Power Development, and the office of Chief Engineer of Irrigation Department, Government of Balochistan

2. Summary of Discussions:

Based upon the results of field survey and home office work, the Study Team submitted officially thirty (30) copies of the Draft Final Report on the Study (hereinaster referred as "the Report") and explained its contents to the Irrigation Department, Government of Balochistan in the meeting held on March 22, 1997, of which the list of participants is attached in ANNEX.

As a result of the explanation and exchange of opinions on the Report, the following points were agreed upon by the Pakistan side (hereinafter referred as "GOB/GOP") and the Japanese side (hereinafter referred as "GOJ").

- 1) The GOB/GOP basically accepted the contents of the Report, with strong desire to urgently implement the proposed Stage-I delay action dam scheme.
- 2) The detailed review on the Report will be made by the GOB/GOP and the comments will be sent to the JICA Pakistan Office by April 22, 1997, if any.
- 3) The GOB/GOP agreed that the Final Report would be available to any person who have technical interest in the Study.
- 4) The GOB/GOP basically agreed the recommendations of the Report and to consider taking necessary actions.
- 5) The GOI promised that Final Report should be compiled reflecting the expected comments of the GOB/GOP within one month after receiving it, and the final Report should be sent to the GOB/GOP immediately.



友.

List of Participants

(Pakistan side)

Mr.Muhammad Azam Baloch

Secretary

Irrigation and Power Department

Mr. Abdus Salam Khan

Chief Engineer

Imigation Department

(Japanese side)

JICA

Mr.Kazuhiro Yoshida

Agriculture, Forestry and Fisheries Development Study Department, JICA

JICA Study Team

Mr.Katsuhiko Kimura

Team Leader/Water Management

Dr. Shuichi Matsushima

Irrigation & Drainage/O & M

Mr. Takahiro Kato

Dam Design

Observers

Mr. Abdul Rahim Mahsud

Director Operation Nippon Giken Inc.

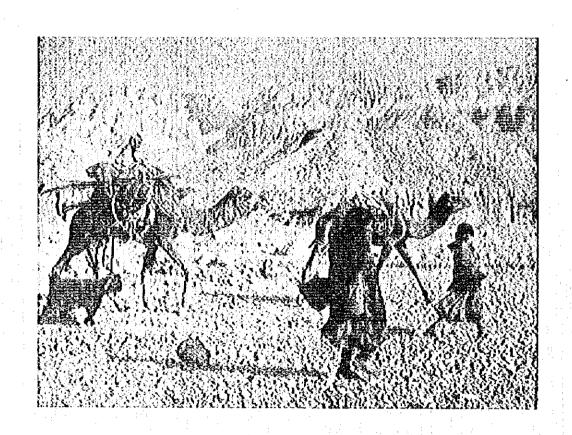
Mr.M.Qasim Saeed

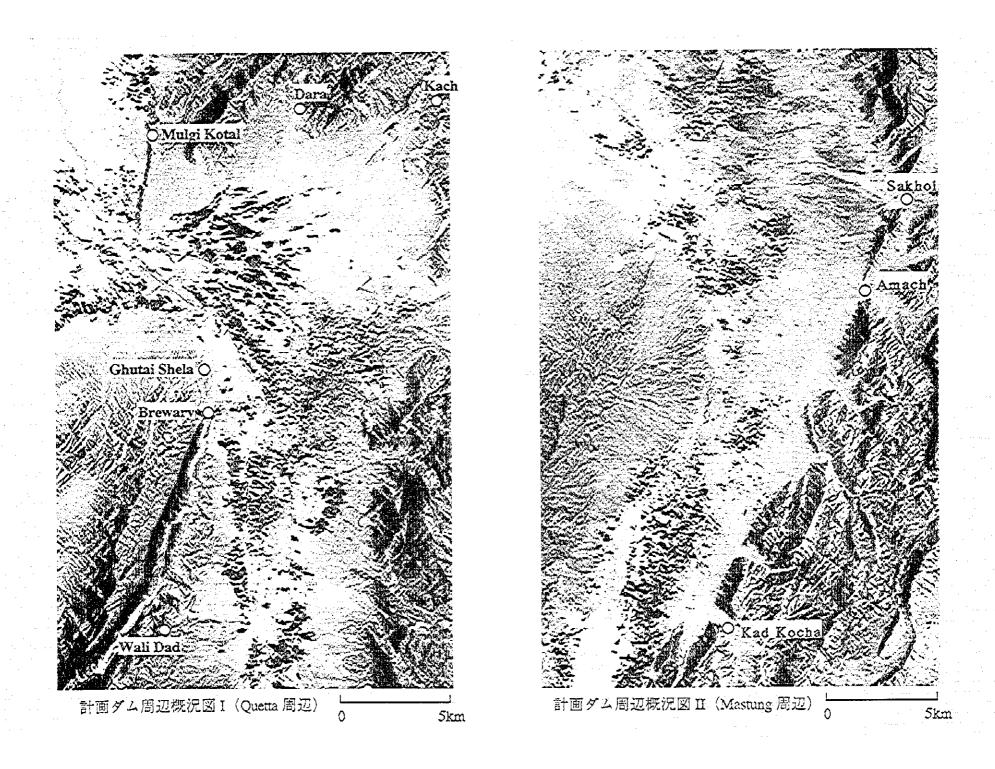
Project Engineer

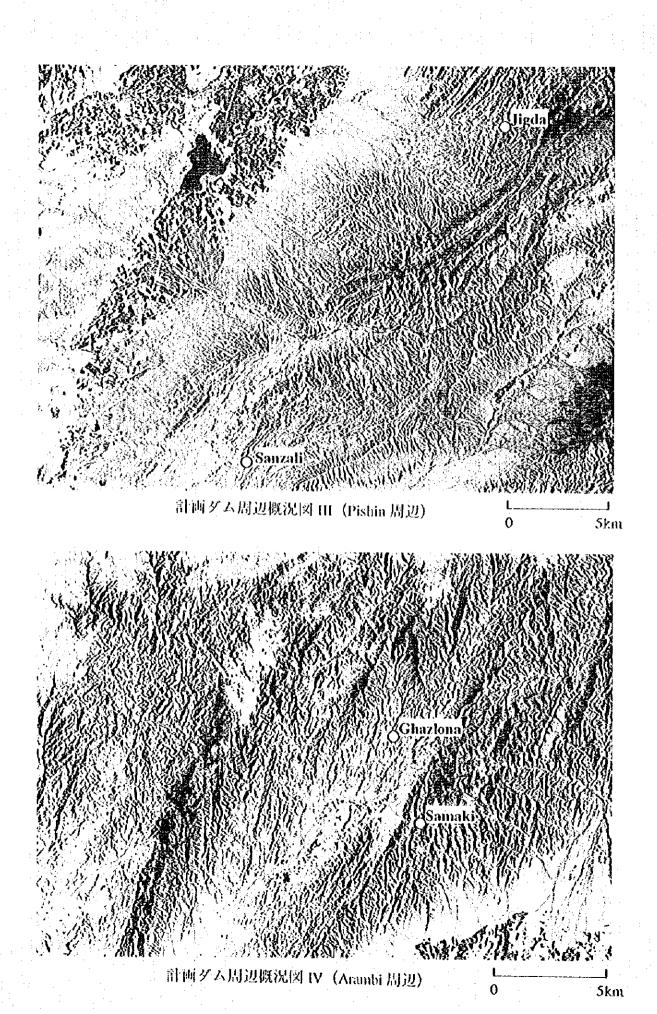
Nippon Giken Inc.

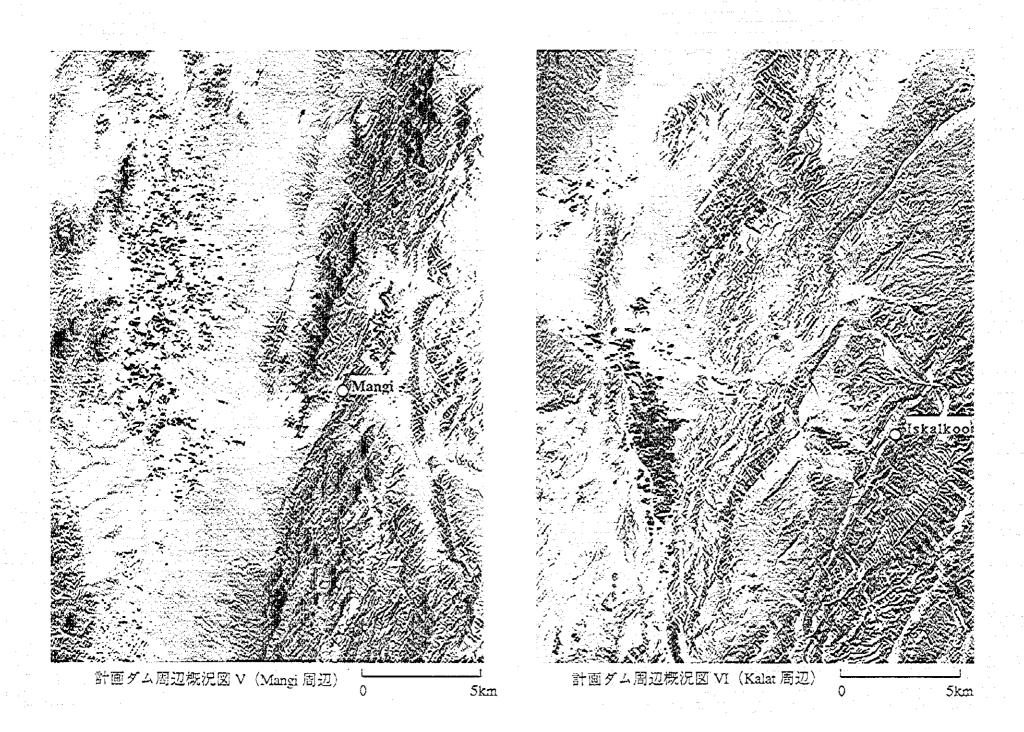


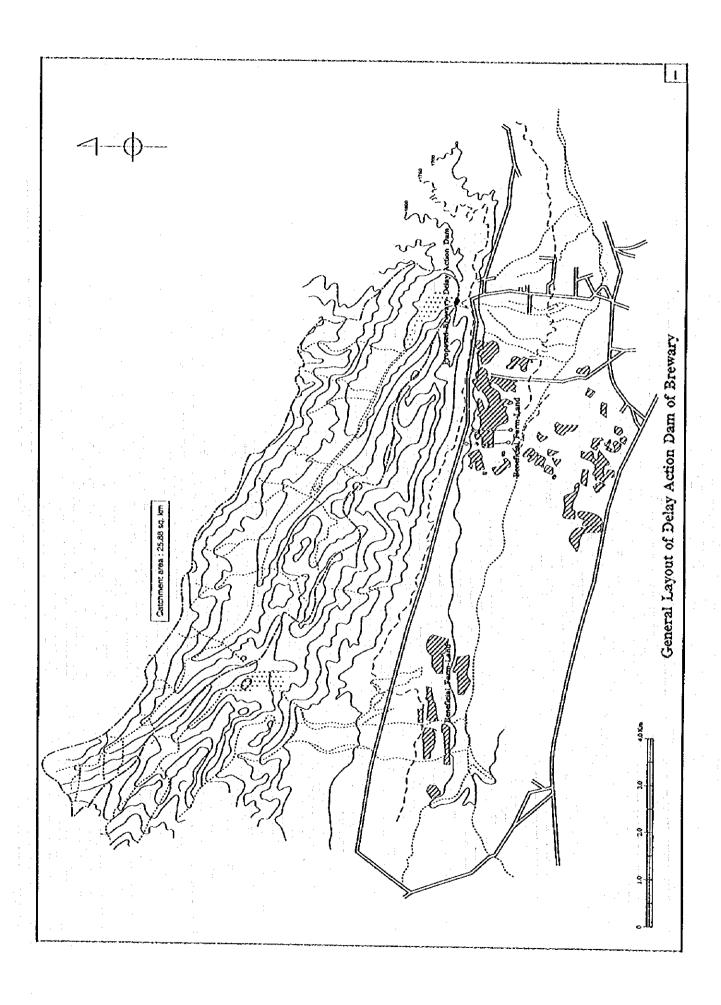
計画ダム周辺概況図

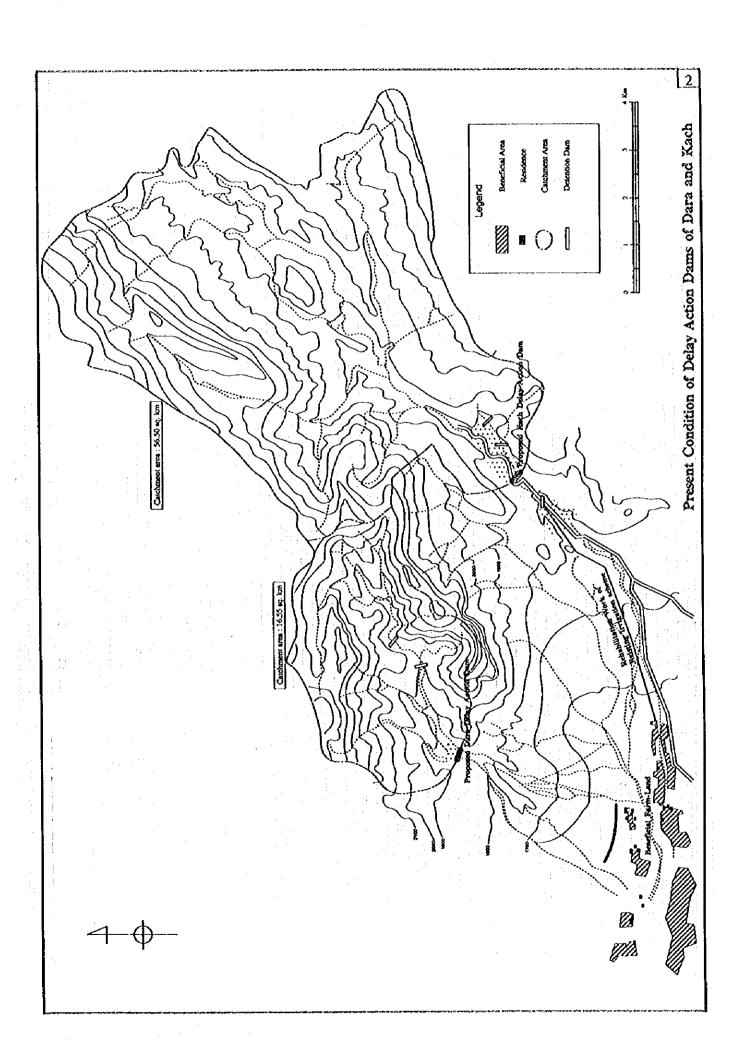


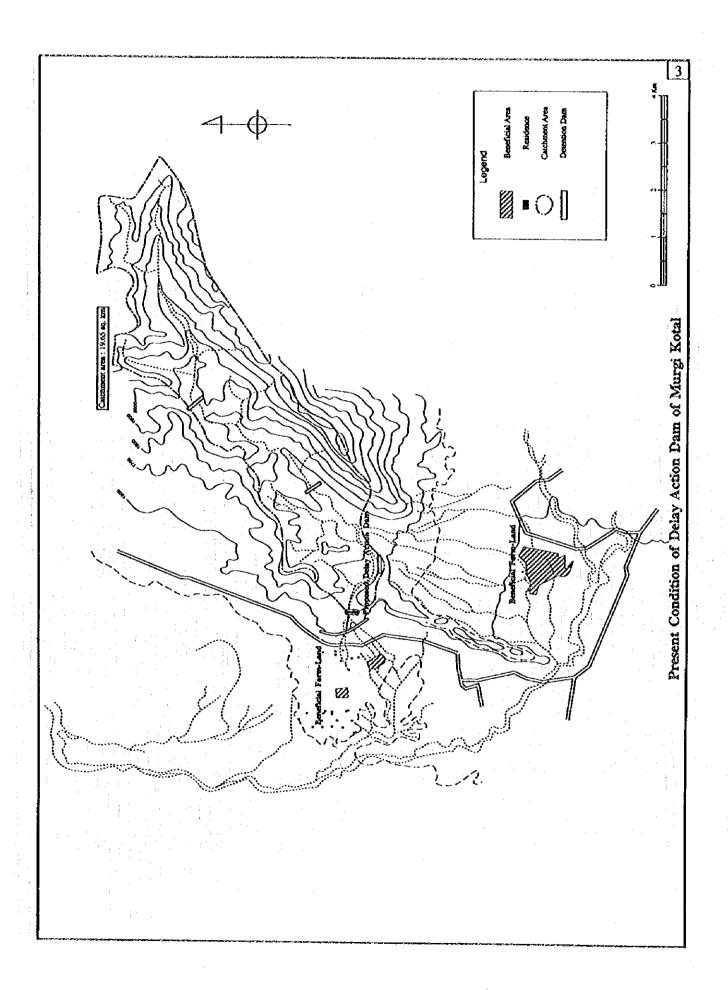


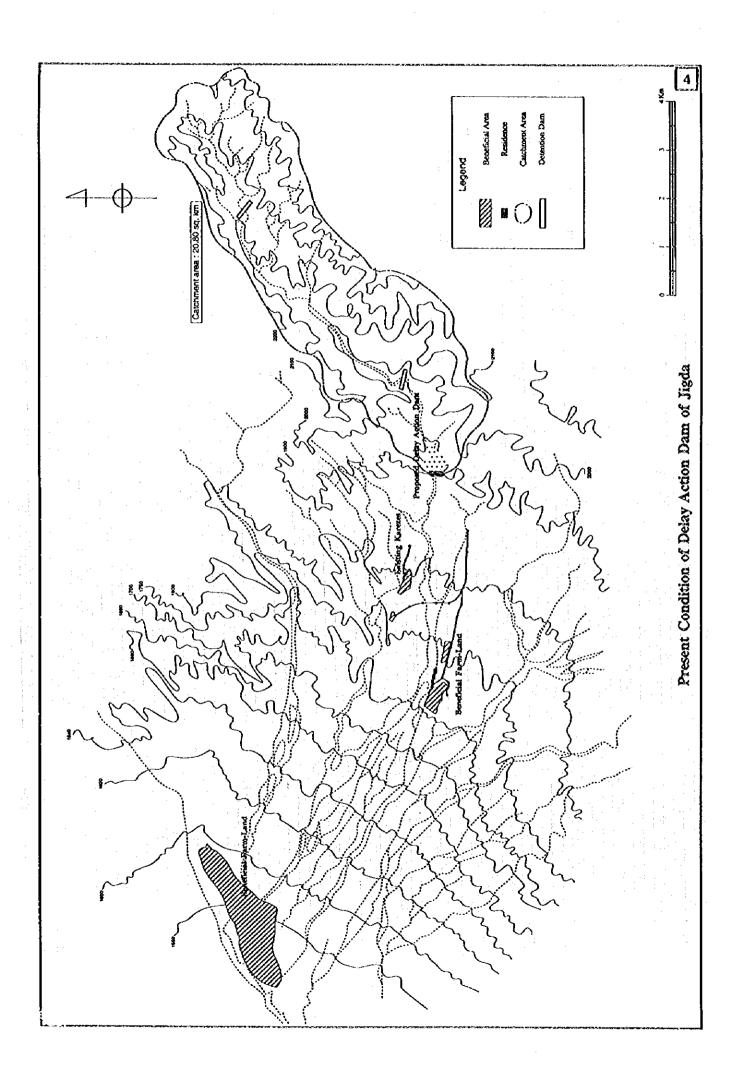


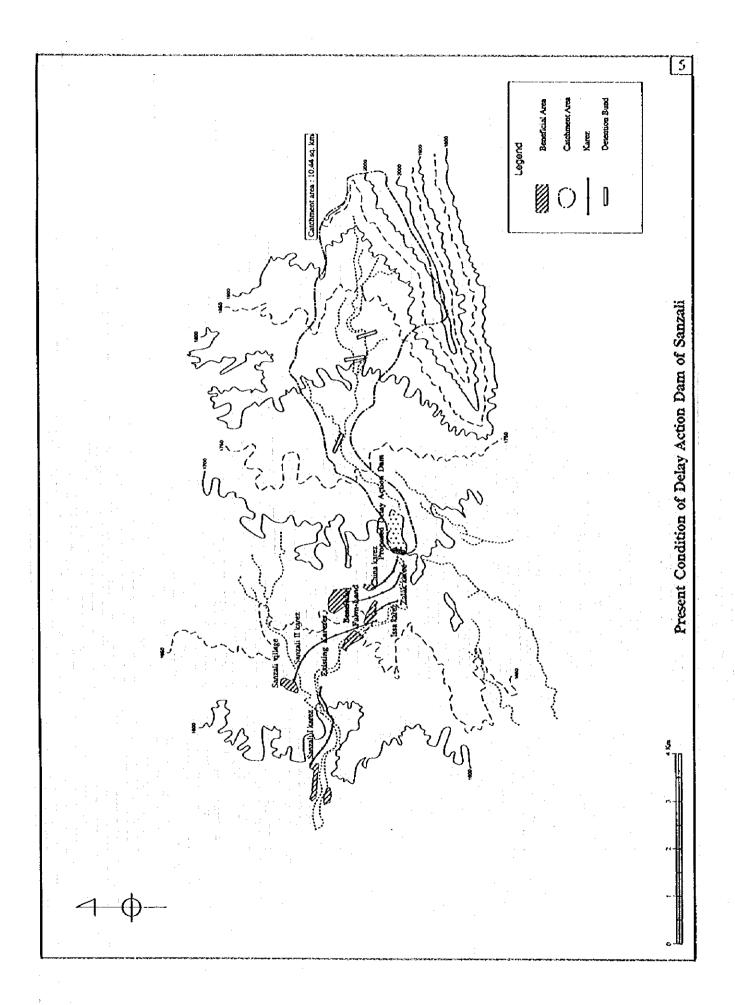


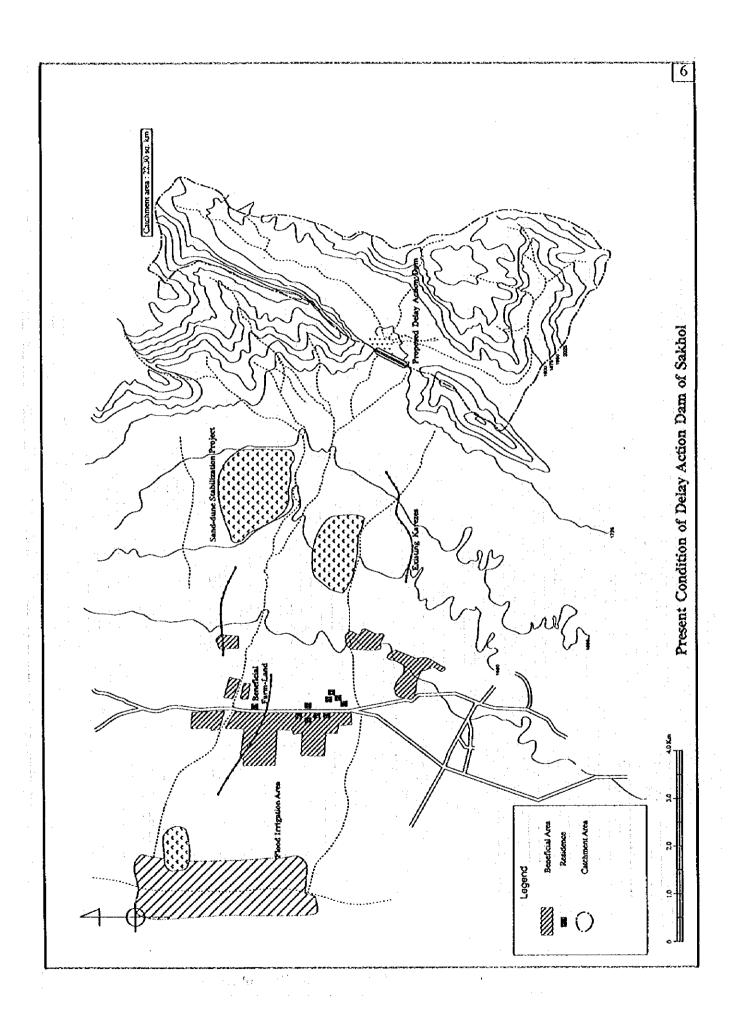


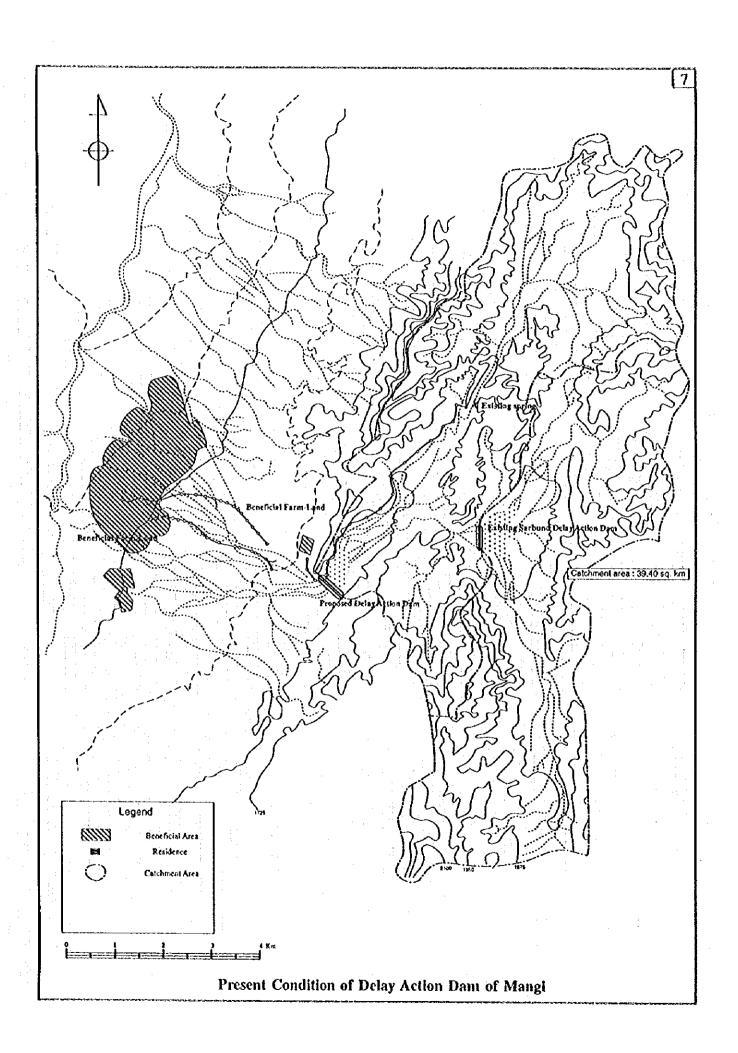


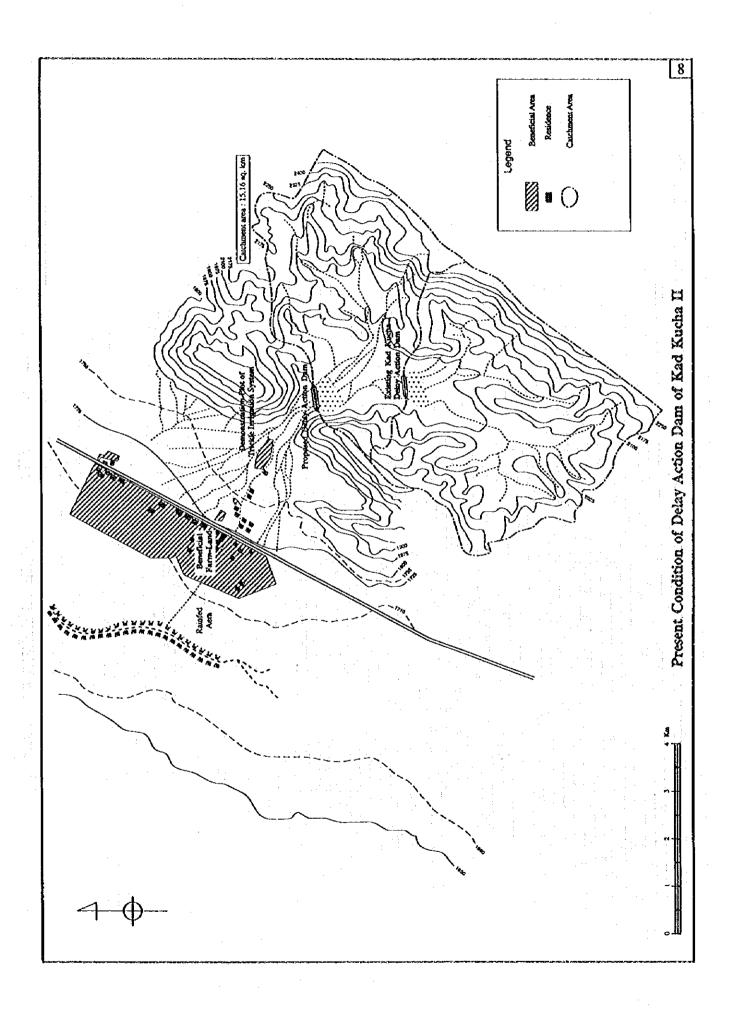


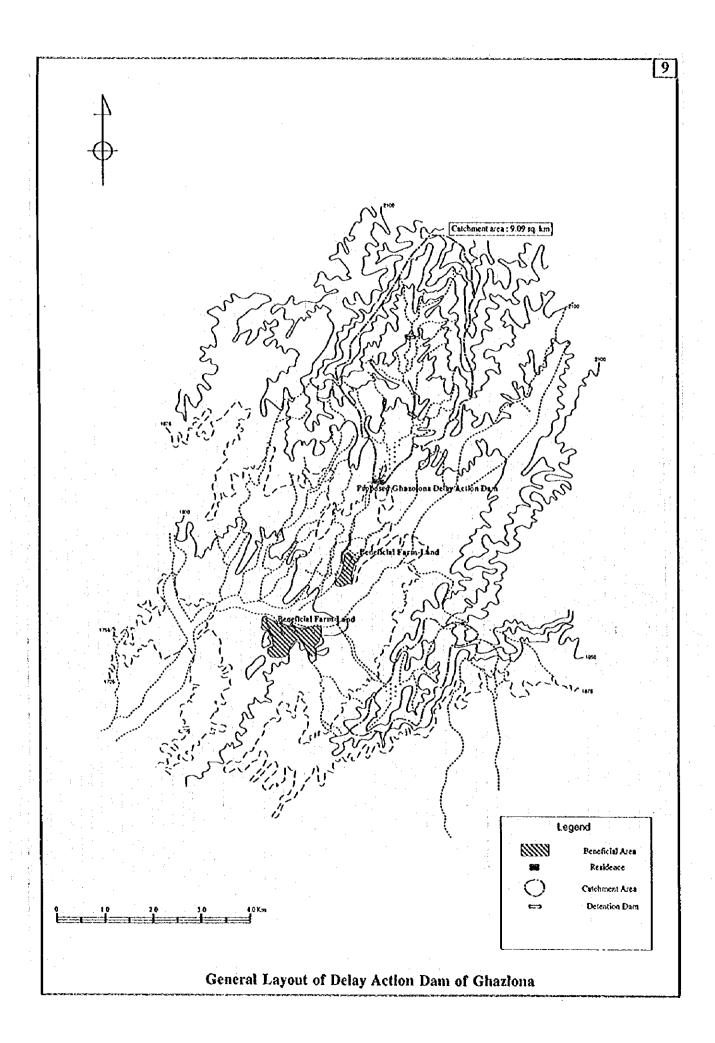












.

.

