

## 付属資料リスト

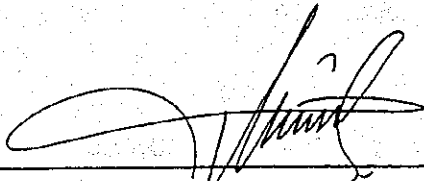
資料 1	実施細則 (S/W)	A-1
資料 2	実施細則に関する協議議事録 (M/M)	A-9
資料 3	要員計画表	A-14
資料 4	カウンターパート氏名リスト	A-15
資料 5	面接者リスト	A-16
資料 6	インセプションレポートに関する協議議事録 (M/M)	A-19
資料 7	プログレスレポート(I)に関する協議議事録 (M/M)	A-24
資料 8	インテリムレポートに関する協議議事録 (M/M)	A-28
資料 9	プログレスレポート(II)に関する協議議事録 (M/M)	A-31
資料 10	ドラフトファイナルレポートに関する協議議事録 (M/M)	A-34

## 資料1 実施細則 (S/W)

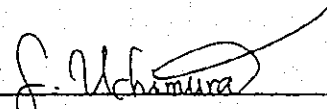
SCOPE OF WORK  
FOR  
THE STUDY  
ON  
NATIONAL SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF TURKEY

AGREED UPON BETWEEN  
GENERAL DIRECTORATE OF RURAL SERVICES  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY

Ankara, 21. 08 , 1996



Mr. Mustafa Mirbey ERTUGRUL  
Deputy General Director,  
General Directorate of Rural Services



Mr. Shigeaki UCHIMURA  
Leader,  
Japanese Preparatory Study Team,  
Japan International Cooperation  
Agency

## I. Introduction

In response to the request of the Government of the Republic of Turkey (hereinafter referred to as "the Government of Turkey"), the Government of Japan has decided to conduct the Study on National Small-Scale Irrigation and Rural Development Program (hereinafter referred to as "the Study"), in accordance with the relevant laws and regulations in force in Japan.

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

The present document sets forth the scope of work with regard to the Study.

## II. Objectives of the Study

The objectives of the Study are;

1. To formulate Master Plan for the small-scale irrigation and rural development projects in the study area (hereinafter referred to as "the Project(s)"),
2. To conduct Feasibility Study in the priority Project(s), and
3. To carry out technology transfer to the Turkish counterpart personnel through on-the-job training in the course of the Study.

## III. Study area

Nationwide

#### IV. Scope of the Study

In order to achieve the above objectives, the Study will consist of two(2) phases and the following items.

##### 1. Phase I (Master Plan Study)

###### 1.1. Collection and Review of existing data and information in the Study area:

###### A. Natural condition

- (1) meteorology
- (2) hydrology
- (3) geology
- (4) soil
- (5) topography
- (6) others

###### B. Socio-economic situation

- (1) population
- (2) employment
- (3) household and farmers
- (4) regional socio-economy and household economy
- (5) others

###### C. Agriculture

- (1) land use and land tenure
- (2) cropping pattern and yield
- (3) farming practices
- (4) agro-economy and marketing
- (5) farmers organization and supporting services
- (6) others

###### D. Inland water fisheries

###### E. Agricultural and rural infrastructure

- (1) irrigation and drainage facilities
- (2) agricultural land conservation facilities
- (3) water supply and waste water disposal
- (4) farm road
- (5) others

F. Other information related to the Project(s)

- (1) administrative organizations related to the Project(s)
- (2) environmental impacts
- (3) gender issue
- (4) others

1.2. Review of the existing development plans and policies.

1.3. Conduct of inventory survey of the Project(s).

1.4. Formulation of basic development plan of the Study.

1.5. Selection of the priority Project(s) for the feasibility study in phase II.

## 2. Phase II(Feasibility Study)

2.1. Additional collection of data and information, and detailed field survey of the priority Project(s).

2.2. Formulation of development plan of the priority Project(s) with the following components:

- (1) Land use plan
- (2) Cropping pattern plan
- (3) Irrigation and drainage plan
- (4) Agricultural and rural infrastructure plan
- (5) Operation and maintenance plan
- (6) Agricultural supporting plan (farmers organization, financing, research, training and extension services, etc)
- (7) Environmental conservation plan
- (8) Project implementation schedule
- (9) Preliminary design of major structures
- (10) Estimation of project cost and benefit
- (11) Evaluation of the project

2.3 Preparation of guideline to be applied by the General Directorate of Rural Services (hereinafter referred to as "GDRS") for subsequent preparation and appraisal of projects.

#### 2.4. Recommendations

### V. Study schedule

The Study will be carried out in accordance with the attached tentative work schedule. (ANNEX1)

### VI. Reports

JICA will prepare and submit the following reports in English to the Government of Turkey.

1. Inception Report

Twenty (20) copies at the commencement of the Phase I study.

2. Progress Report (1)

Twenty (20) copies at the end of the work in Turkey of the Phase I study.

3. Interim Report

Twenty (20) copies at the commencement of the Phase II study.

4. Progress Report (2)

Twenty (20) copies at the end of the work in Turkey of the Phase II study.

5. Draft final Report

Twenty (20) copies at the end of the Phase II study. The Government of Turkey will provide its comments on the Draft Final Report to JICA within one (1) month after receiving the Draft Final Report.

6. Final Report

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

## VII. Undertakings of the Government of Turkey

1. The Government of Turkey shall facilitate to carry out the Study in accordance with the prevailing laws and regulations stipulated by the Republic of Turkey ,as follows:

- (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 Republic of Turkey for the duration of their assignment therein, and exempt them foreign registration requirements and consular fees,
- (3)to exempt the members of the Japanese study team from taxes, duties, fees and any other charges on equipment, machinery and other materials to be brought into and out of the Republic of Turkey for the conduct of the Study,in accordance with the relevant Turkish legislation in force,
- (4)to exempt the members of the Japanese study team from income tax 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,in accordance with the relevant Turkish legislation in force,if necessary,
- (5)to provide necessary facilities to the Japanese study team for the remittance as well as the utilization of the funds introduces into the Republic of Turkey from Japan in connection with the implementation of the Study,if necessary,
- (6)to secure permission for entry into private properties for the purpose of implementing the Study when it is required,
- (7)to secure permission which is considered and issued by the relevant authorities for the Japanese study team to take data and documents related to the Study out of the Republic of Turkey to Japan,
- (8)to provide medical services as needed. Its expenses will be chargeable on the members of the Japanese study team.

2. The Republic of Turkey 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 arise from gross negligence or willful misconduct on the part of the members of the Japanese study team.

3. GDRS shall act as a counterpart agency to the Japanese study team and also as coordinating body in relation with other organizations concerned for the smooth implementation of the Study.
4. GDRS shall provide, at its own expense, the Japanese study team with the following, in cooperation with other organizations concerned;
  - (1) available data and information related to the Study,
  - (2) counterpart personnel,
  - (3) suitable office spaces with necessary furniture in Ankara and other cities,
  - (4) credentials or identification cards, and
  - (5) necessary number of vehicles with drivers.

#### VIII. Undertakings of JICA

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

- (1) to dispatch, at its own expense, the study team to the Republic of Turkey,
- (2) to pursue technology transfer to the counterpart personnel of the Government of the Republic of Turkey in the course of the Study.

#### IX. Consultation

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

### TENTATIVE WORK SCHEDULE

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Work in Turkey		■	■	■	■				■	■	■			■			
Home office work in Japan	□						□	□				□	□				
Reports	△ Ic/R				△ P/R(1)			△ Ic/R			△ P/R(2)		△ Df/R		⊙		△ F/R

- (Remarks)
- Ic / R : Inception Report
  - P / R(1) : Progress Report(1)
  - Ic / R : Interim Report
  - P / R(2) : Progress Report(2)
  - Df / R : Draft Final Report
  - F / R : Final Report
  - ⊙ : Comments on DF / R by the Turkey side

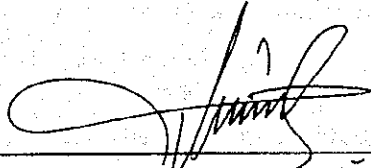
## 資料2 実施細則に関する協議議事録 (M/M)



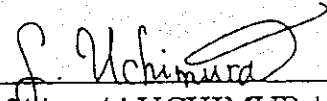
MINUTES OF MEETING  
ON  
SCOPE OF WORK  
FOR  
THE STUDY  
ON  
NATIONAL SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF TURKEY

AGREED UPON BETWEEN  
GENERAL DIRECTORATE OF RURAL SERVICES  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY

Ankara, 21.08, 1996



Mr. Mustafa Mirbey ERTUĞRUL  
Deputy General Director,  
General Directorate of Rural Services



Mr. Shigeaki UCHIMURA  
Leader,  
Japanese Preparatory Study Team,  
Japan International Cooperation  
Agency

In response to the request of the Government of the Republic of Turkey (hereinafter referred to as "the Government of Turkey"), the Government of Japan decided to dispatch through Japan International Cooperation Agency (hereinafter referred to as "JICA"), which is responsible for the implementation of technical cooperation programs of the Government of Japan, the preparatory study team (hereinafter referred to as "the Team"), headed by Mr. Shigeaki Uchimura, to the Republic of Turkey from July 21th to August 3th, 1996 so as to discuss and exchange views on the study with General Directorate of Rural Services (hereinafter referred to as "GDRS"), and officials concerned of the Government of Turkey the implementation of the study.

GDRS and the Team mutually agreed to the Scope of Work for the study on National Small-Scale Irrigation and Rural Development Program in the Republic of Turkey (hereinafter referred to as "the Study").

The following minutes were prepared to confirm the main issues discussed and matters agreed upon by both sides in connection.

1. The Study will be carried out in accordance with the attached list indicating provinces and the small-scale irrigation and rural development projects in the study area (hereinafter referred to as "the Project(s)") (excluding 'Etud' stage) ANNEX1

2. With regard to the Small-Scale Irrigation and Rural Development sectors in the Republic of Turkey, the Inventory survey is to be conducted for the purpose of selecting the priority Project(s), and will be serving as a basic data for the selection of Project(s) after the completion of the Study by GDRS themselves.

3. Inventory survey will be conducted by the Study Team in collaboration with GDRS in approximately 200 projects.

4. Determining the Project(s) to conduct the Inventory survey is basically based on the following criteria.

- \* Availability of data with adequate information is prerequisite
- \* Acreage of irrigation and the population to be benefited are to fulfill the required scale and number
- \* Avoidance in duplication with projects related another organization
- \* Typical areas (geographical and farming practices, etc.) are to be included

- \*New projects and rehabilitation projects are to be covered
- \*The Project(s) are considered in a balance on facilities

5. Feasibility Study will be conducted by the Study Team in collaboration with GDRS in approximately 10 projects.

6. GDRS requested that the counterpart personnel training in Japan related to the Study to promote an effective technology transfer. The Team promised to convey this request to the Government of Japan.

( 31 July, 1996 )

## KÖY HİZMETLERİ GENEL MÜDÜRLÜĞÜ TARIM SEKTÖRÜ REZERV KONULARI

İler	Küçük		Yeraltısu(Y.A.S.)				Gölet				Toprak Mühafaza				Arazi Toplama							
	Etüd		Planlama		Proje		Planlama		Proje		Etüd		Planlama		Planlama		Proje		Planlama		Proje	
	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha	Ad	Ha
ANKARA	32	2704	18	939	42	784								2	40							
BOLU	51	2564	13	205	7	65					1	1500										
ÇANKIRI	55	2549	4	403	32	723																
KIRIKKALE	9	1337	2	150	7	402						1	108									
KONYA	25	724	1	64	22	302	14	6462	7	1289	4	417	3	843					1	18805		
AKSARAY	14	999	1	17	4	449	1	149	5	1000	1	245	1	207	1	500			1	15200		
KARAMAN	19	839	2	35	12	171	3	895	2	644									1	1988		
NİĞDE	10	549			13	700	1	193	10	756	4	1325	1	182								
ADANA	28	5696	4	761	35	677					1	319			1	30						
İÇEL	16	412	5	119	63	502																
HATAY	11	741	9	404	19	236	2	260														
KAYSERİ	20	465	14	340	45	605	1	130			1	535						2	250			
KIRŞEHİR	20	958	2	101	5	-					2	531						2	428			
NEVŞEHİR	14	1101	4	396	4	46	1	150	1	28												
YOZGAT																						
SİVAS	117	4910	122	5456	55	1359					2	376										
TOKAT	58	3048	35	923	28	534					2	221	1	128	1	150			1	16892		
TRABZON	13	672			5	29																
ARTVİN	63	4162	21	823	39	756																
BAYBURT	42	3614	4	68	28	1093																
GİRESUN	13	428	1	12	21	220																
GÜMÜŞHANE	40	2171	17	363	46	685																
RİZE	1	30																				
SAMSUN	13	754	3	12	11	10						1	293									
AMASYA	22	917	8	671	22	330		2	204	1	163			1	60				1	1195		
ÇORUM	35	2183	17	400	36	1494					3	304	1	66								
ORDU	2	34																				
KASTAMONU	39	2806	8	288	43	1321							1	108				1	80			
ZONGULDAK																						
SİNOP	30	1527	11	568	12	96								1	107				1	150		
KARABÜK	8	349	3	67	9	384																
BARTIN	9	1370	2	-	5	165																
ESKİŞEHİR	24	1122	12	263	3	-	1	53			4	381			1	300	1	35				
AFYON	5	166	1	62	1	-	13	1235														
KÜTAHYA	20	1832									3	711										
UŞAK	9	430	2	37	2	31												4	269			
ANTALYA	44	1591	12	350	30	280			1	83	1	84										
BURDUR	9	454	30	280	2	-	3	967	1	90	1	600								1	425	
ISPARTA	9	752			4	-	1	250			1	141	2	380				1	180	1	1127	
İZMİR	5	191	4	522	12	200	3	432	2	540	1	316			1	300			1	5100		
AYDIN	7	535	4	400	12	150									1	165	5	630				
DENİZLİ	14	1308	3	237			6	1532	1	85					1	80				1	1650	
MANİSA	8	246	2	86	8	67					1	26						1	100			
MUĞLA	12	2436	2	182	30	3012					1	396						7	840			
BURSA	42	3451	16	394	14	282					3	599										
BALIKESİR	28	2500	4	75	6	45					1	397								1	20050	
BİLECİK																						
ÇANAKKALE	12	913	1	99	1	-					5	1302	4	958								
YALOVA	1	62																				
İSTANBUL	3	203	1	5	1	-																
EDİRNE	8	313							1	320	5	755	2	1052						1	18500	
KIRKLARELİ	8	160			5	50	1	110	1	120												
KOCAELİ	14	346			1	-																
SAKARYA	22	435	2	22	1	9					5	1457										
TEKİRDAĞ											2	234	2	176								
TOPLAM	1224	76416	399	16319	801	18264	51	12818	54	7222	56	13335	20	4501	11	1732	24	2832	12	10182		



## LIST OF PARTICIPANTS

## 1. Turkey Side

Mr. M. Güner SAYGILI	General Director GDRS
Mr. Mustafa Mirbey ERTUĞRUL	Deputy General Director GDRS
Mr. Hasan COŞKUN	The Head of Basin Management and Earth Filled Dams Department GDRS
Mr. Nejat ŞENGÜN	The Head of Irrigation Department GDRS
Mr. Sadettin TAKKA	Director of Land Consolidation Section GDRS
Mr. Levent KORAL	Director of Land Reclamation Section GDRS
Mr. Cavit BÜYÜKGÜRAL	Director of Survey and Project Section GDRS
Ms. Yurdanur SÜRMEİ	Agriculture Engineer GDRS
Mr. Mustafa ÇELİKEL	Agriculture Engineer GDRS
Mr. Nazım ÖZŞAHİN	Agriculture Engineer GDRS
Ms. Nevin ERGENELİ	Geology Engineer GDRS
Mr. Şevki ÜNSALDI	Agriculture Engineer GDRS
Ms. Nuran Dalgün	Agriculture Engineer GDRS

## 2. Japanese Side

## Preparatory Study Team

Mr. Shigeaki UCHIMURA	Leader
Mr. Masahiro SASAKI	Member
Mr. Hisashi GOTO	Member
Mr. Kenichiro KOBAYASHI	Member
Mr. Yutaka NOZAKI	Member
Ms. Keiko NONAKA	Member

### 資料3 要員計画表

### Assignment Schedule

EXPERTISE	NAME	1996			1997												1998		
		11	12		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Team Leader/ Regional Planning	Mr. Hironori TAKAHASHI	8 7	25 7	19 7				31 29		6 29	26 26			3 3			6 17		
Agricultural and Rural Infrastructure	Mr. Daizo ISENO	2 7		19 7						18 29		15 15		4 17			6 17		
Rural Sociology/ Farmer's Organization	Mr. Ken KOZAI				1 1					6 29			4 3						
Agronomy	Mr. Ryosaku ISHIDA	8 7		1 1						6 29			4 3						
Agro-economy/ Project Evaluation	Mr. Toshihide SHIBATA	2 7		19 7				16 29		6 29			4 3				6 17		
Water Resources/ Irrigation	Mr. Kosei HASHIGUCHI									6 30			4 3						
Environment/Soil	Mr. Yukio SATO										18 30	4 3							
Design & Cost Estimation	Mr. Kouichi NAGANO										18 18		4 3						
Interpreter	Mr. Akara MATANO	1 1		19 19						6 19			3 3				6 17		
Report		△ IC/R		△ P/R(I)						△ IT/R				△ P/R(II)		△ DF/R			△ F/R

Field  
 Home Office  
 IC/R: Inception Report  
 P/R: Progress Report  
 IT/R: Interim Report  
 DF/R: Draft Final Report  
 F/R: Final Report

## 資料4 カウンターパート氏名リスト

## LIST OF COUNTERPART PERSONNEL

### Japanese Side

Team Leader  
**Mr. Hironori TAKAHASHI**

Agricultural and Rural Infrastructure  
**Mr. Daizo ISENO**

Water Resources / Irrigation  
**Mr. Kosei HASHIGUCHI**

Design & Cost Estimation  
**Mr. Kouichi Nagano**

Rural Sociology / Farmer's Organization  
**Mr. Ken KOZAI**

Agronomy  
**Mr. Ryosaku ISHIDA**

Agro-economy / Project Evaluation  
**Mr. Toshihide SHIBATA**

Environment / Soil  
**Mr. Yukio SATO**

### Turkey Side

Team Leader  
**Mr. Sadettin TAKKA**  
(Responsible for Land Cons., Land Rec.,  
Land Leveling, Drainage)

Sprinkler / drip irrigation  
**Ms. Yurdanur SURMELI**

Watershed Management  
**Mr. Mustafa CELIKEL**

Small dams  
**Mr. Sevki UNSALDI**

Small irrigation  
**Mr. Nevzat ERDOGAN**

Groundwater  
**Mr. Sadi KASAPOGLU**

Hydrology  
**Ms. Nuran DALGUN**

Geology  
**Ms. Nevin ERGENELI**

Land Con., drainage  
**Mr. Metin BIRBUDAK**

Land Con., drainage  
**Ms. Mine DEDEOGLU**

Sociology  
**Ms. Hatice TAPAN**

Agronomy  
**Mr. Adem ILBEYLI**

Agro-economy  
**Ms. Jale TAMZOK**

Agro-economy  
**Ms. Zeynep DERNEK**

Soil  
**Mr. Mehmet TANSOY**

## 資料5 面接者リスト

M. Güner Saygılı	General Director of GDRS
Hasan Coşkun	Head, Basin Management and Earth Filled Dams Department, GDRS
Rüştü Kasap	Former Head of Basin Management and Earth Filled Dam, GDRS
Ahmet Kaya	Deputy Director, Groundwater Division, DSI
Bunjl Seta	JICA Expert, DSI
Lütfi Aktekin	Director of Irrigation and Drainage Division, DSI
Ahmet Çalışan	Director of Machinery and Electricity Division, DSI
Altan Turgul	Electrical Engineer, DSI
Hüseyin Toksoy	Director of Pump Division, DSI
Mehmet Kartal	Deputy Director of Groundwater and Geotechnical Services Division, DSI
Nazım Özşahin	Agricultural Engineer, GDRS
Nevin Ergeneli	Agricultural Engineer, GDRS
M. Atif Ala	Agricultural Engineer, GDRS
Ali Çağlar Çelikcan	Agricultural Engineer, GDRS
O. Nüvit Bektaş	Agricultural Engineer, GDRS
Ali Sayar	Agricultural Engineer, GDRS
Batuk Cimili	Agricultural Engineer, GDRS
Ahmet Unlukalaycı	Agricultural Engineer, GDRS
İbrahim Kalkan	Agricultural Engineer, GDRS
Atsuko Toyama	Ambassador, Embassy of Japan
Toshiriro Hosoi	Second Secretary, Embassy of Japan
Naoyoshi Sasaki	Resident Representative, JICA Turkey Office
Akiko Tomita	Assistant Resident Representative, JICA Turkey Office
Nurettin Elbir	Forest Engineer, JICA Turkey Office
Emin Özdemir	Head of Technical Cooperative Division, JICA Turkey Office

### Hacılar Project

Kubilay Genç Agricultural Engineer, Kırıkkale Provincial Office, GDRS  
Tuba Turgut Agricultural Engineer, Kırıkkale Provincial Office, GDRS  
Ahmet Zahir Erkan Ankara Regional Office, GDRS  
Hasan Durdun Ankara Regional Office, GDRS

### Ürnlü Project

Ismail Şahin Head of municipality, Belkaya village  
Gülseren Atıcı Agricultural Engineer, Konya Provincial Office, GDRS  
Nazım Yılmaz Agricultural Engineer, Konya Regional Office, GDRS  
Ahmet Güven Management of Irrigation and Drainage Dept., Konya Regional Office, GDRS  
Elvan Dursun Konya Regional Office, GDRS  
Mustafa Usta Head of Irrigation Cooperative, Ürnlü village  
Sadi Celik Ürnlü village chief, Ürnlü village  
Suat Armutlu Contrac. of Drainage Project, Kos IV-VII Konya I Dre. Pre.  
Muhammet Temel Contrac. of Belkaya village

### Kalesekisi Project

Eilf Nur Bozkurt Mayor of Saimbeyli, Saimbeyli  
Basri Tetik Head of Project Department, Adana Provincial Office, GDRS  
Emin Yalçınkaya Director of Adana Regional Office, GDRS  
Yusuf Yüksel Agricultural Engineer, Head of Associate  
Ahmet Sayım Agricultural Engineer, İçel Provincial Office, GDRS  
Türker Çetin Agricultural Engineer, Adana Provincial Office, GDRS  
Yasemin Akdemir Agricultural Engineer, Adana Provincial Office, GDRS  
Mehmet Ali Altun Deputy Manager of Planning Department, Adana Regional Office, GDRS  
Prof. Dr. Şinasi Akdemir University of Çukurova  
Ali Yüzgeş Adana Regional Office, GDRS  
Suat Kozanoğlu Head of Irrigation Cooperative, Saimbeyli  
Ahmet Teke Second Head of Irrigation Cooperative, Saimbeyli

### Çamlıbel-Kervansaray-Güzelce Project

Süleyman Arslan Head of Irrigation and Water Work Dept., Tokat Provincial Office, GDRS  
Dursun Güney Director of Tokat Research Inst., GDRS  
Akif Özdemir Agricultural Engineer, Tokat Provincial Office-GDRS  
Halis Esenboğa Deputy Director, Tokat Provincial Office, GDRS  
Ümit Bingöl Agricultural Engineer, Tokat Provincial Office-GDRS  
Hamza Yüzüak Civil Engineer, Tokat Provincial Office, GDRS  
Mustafa İpek Tokat Provincial Office, GDRS  
Alper Demirogluk Sivas Regional Office, GDRS  
Duran Yanar Active Headman of Güzelce

### Kozluk-Akcay-Dumantepe Project

Asım Bilgin Director of Samsun Provincial Office, GDRS  
Kenan Önen Agricultural Engineer, Samsun Regional Office, GDRS  
Ercan Yanoğlu Agricultural Engineer, Samsun Regional Office, GDRS



Ibrahim Kaya Ersöz  
İlyas Kirman  
Turan Alasun  
Arcan Yanođlu

Agricultural Engineer,GDRS Institute in Samsun  
Samsun Provincial Office, GDRS  
Chief of Samsun Regional Office, GDRS  
Samsun Regional Office, GDRS

### **Kuşkara Project**

Durmuş Atay  
Süleyman Kaldırım  
A.İhan Gültekin  
Mustafa Bay  
Hasan Bayar

Deputy Director of Kastamonu Provincial Office,GDRS  
Agricultural Engineer,Kastamonu Regional Office,GDRS  
Director of Kastamonu Regional Office  
Chief of Kastamonu Regional Office  
Kastamonu Regional Office, GDRS

### **Özdenk Project**

Rıfat Akyol  
Selahattin Bey  
Bilal Değirmenci  
Beyhan Göktay  
Bahri Özsoy  
Raşit Hortanır  
Yılmaz Özaydın

Agricultural Engineer,Head of Eskişehir Provincial Office, GDRS  
Geological Engineer,Eskişehir Provincial Office, GDRS  
Construction Engineer, Head of Eskişehir Regional Office, GDRS  
Planning Department Manager,Eskişehir Regional Office, GDRS  
Eskişehir Regional Office, GDRS  
Özdenk Village Chief  
Özdenk Village Master

### **Aslanlar Project**

Oğuz Torunlar  
Kemal Nazım Ergin  
Mustafa Bilir  
Mustafa Ögettin  
Yakup Aydın  
Yurdadağ Mutlu  
Cafer Gezgin

Agricultural Engineer,Head of İzmir Regional Office, GDRS  
Agricultural Engineer,İzmir Provincial Office, GDRS  
Agricultural Engineer,İzmir Provincial Office, GDRS  
Agricultural Engineer,İzmir Regional Office, GDRS  
Head of Irrigation Cooperative,Pamukyazı Village  
Head of Machinery Supply Firm,Torbali-İzmir  
Aslanlar Village Chief

### **İlyasköy Project**

Ismail Zengin  
Enver Keskin  
Fuat Savaş Ünver  
Doğın Aras  
Ali Kamis  
Ömer Saraçođlu

Construction Engineer,Head of Yalova Provincial Office, GDRS  
Agricultural Engineer,Yalova Provincial Office, GDRS  
Bursa Regional Office, GDRS  
Chief Of Building Site,Yalova-Çınarcık-Ortaburun  
Director of Store,Yalova Construction Supply  
Ortaburun Village Chief

### **Küçükkarıştiran Project**

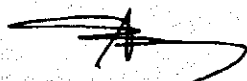
Mahmut Uslu  
Abdullah Aksu  
Selahattin Tarhan  
Muammer Köydem  
Emin Halebak  
Mehmet Soydan

Irrigation Department Manager,Kırklareli Provincial Office, GDRS  
Agricultural Engineer,İstanbul Regional Office, GDRS  
Agricultural Engineer,Kırklareli Provincial Office, GDRS  
Head of Küçükkarıştiran Irrigation Cooperative  
Head of Doysan Sunflower Factory  
Küçükkarıştiran Village Chief

## 資料6 インセプションレポートに関する協議議事録 (M/M)

MINUTES OF MEETING  
OF  
INCEPTION REPORT  
FOR  
THE STUDY  
ON  
SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF THE TURKEY

Ankara, December 16, 1996



Mr. M Güner SAYGILI  
General Director  
General Directorate of Rural Services



Mr. Hironori TAKAHASHI  
Leader  
Study Team  
Japan International  
Cooperation Agency

Witness



Mr. Kenichiro KOBAYASHI  
Advisory Team  
Japan International  
Cooperation Agency

The Study Team organized by Japan International Cooperation Agency, headed by Mr. Hironori TAKAHASHI as the Team Leader and the General Directorate of Rural Services (hereinafter referred to as "GDRS"), headed by Mr. Hasan COSKUN as the Head of Basin Management and Earth Filled Dams Department, had a series of discussion and exchanged views on the Inception Report for the study on Small-Scale Irrigation and Rural Development Program prepared by the Study Team.

**1. Receipt of Inception Report**

GDRS received 20 copies of Inception Report submitted by the Study Team on December 10, 1996.

**2. Meetings**

A series of meeting was held at the head office of GDRS on December 10 to 13, 1996 respectively.

**3. Presentation**

The Study Team presented a brief of Inception Report including the plan of operation, and the undertaking of the Government of the Republic of Turkey for the Study.

**4. Discussion**

The Inception Report of the Study was generally accepted by GDRS. Therefore, the contents of the Inception Report were agreed by both parties in principle. The following are the matters discussed by both parties.

- 1) In order to make long list inventory, the survey forms shall be distributed to the 13 regional offices and shall be filled and collected by 15th January 1997.
- 2) Candidates of 200 sub-projects to be selected as short list are recommended by GDRS. The survey forms of candidate shortlist inventory shall be distributed to the 13 regional offices and collected by 31st December 1996. The final selection and identification of shortlist sub-projects shall be carried out with reference to the longlist inventory by both parties in closest cooperation.

- 3) The following are the priority criteria by type of works considered by GDRS;
- (1) Groundwater
  - (2) Small dam
  - (3) Small scale irrigation
  - (4) Watershed rehabilitation and soil conservation
  - (5) Land consolidation, drainage, land reclamation and land leveling
- 4) The counterpart personnel assigned by GDRS are shown in the attached list.
- 5) GDRS requested the study team to invite counterpart personnel as trainees to Japan for the technology transfer. The study team promised to convey the request to the Government of Japan.

## LIST OF COUNTERPART PERSONNEL

### Japanese Side

Team Leader

**Mr. Hironori TAKAHASHI**

Agricultural and Rural Infrastructure

**Mr. Daizo ISENO**

Water Resources / Irrigation

**Mr. Kosei HASHIGUCHI**

Design & Cost Estimation

**Mr. Kouichi Nagano**

Rural Sociology / Farmer's Organization

**Mr. Ken KOZAI**

Agronomy

**Mr. Ryosaku ISHIDA**

Agro-economy / Project Evaluation

**Mr. Toshihide SHIBATA**

Environment / Soil

**Mr. Yukio SATO**

### Turkey Side

Team Leader

**Mr. Cavit BUYUKGURAL**

**Mr. Sadettin TAKKA**

(Responsible for Land Cons., Land Rec.,

Land Leveling, Drainage)

Sprinkler / drip irrigation

**Ms. Yurdanur SURMELI**

Watershed Management

**Mr. Mustafa CELIKEL**

Small dams

**Mr. Sevki UNSALDI**

Small irrigation

**Mr. Nazim OZSAHIN**

Groundwater

**Mr. Sadi KASAPOGLU**

Hydrology

**Ms. Nuran DALGUN**

Geology

**Ms. Nevin ERGENELI**

Land Con., drainage

**Mr. Metin BIRBUDAK**

Land Con., drainage

**Ms. Mine DEDEOGLU**

Sociology

**Ms. Hatice TAPAN**

Agronomy

**Mr. Adem ILBEYLI**

Agro-economy

**Ms. Jale TAMZOK**

Agro-economy

**Ms. Zeynep DERNEK**

Soil

**Mr. Mehmet TANSOY**

## LIST OF PARTICIPANTS

### 1. Turkey Side

Mr. Hasan COSKUN	The Head of Basin Management And Earth Filled Dams Department
Mr. Nazim ÖZSAHIN	Agriculture Engineer GDRS
Mr. Sadi KASAPOĞLU	Agriculture Engineer GDRS
Mr. Seviki ÜNSALDI	Agriculture Engineer GDRS
Mr. Metin BIRBUDAK	Agriculture Engineer GDRS
Ms. Jale TAMZOK	Agriculture Engineer GDRS
Ms. Yurdanur SÜRMELE	Agriculture Engineer GDRS
Mr. Mustafa CELIKEL	Agriculture Engineer GDRS
Mr. Sadettin TAKKA	Agriculture Engineer GDRS
Mr. Cavit BUYUKGURAL	Agriculture Engineer GDRS

### 2. Japanese Side

#### The Study Team

Mr. Hironori TAKAHASHI	Leader
Mr. Daizo ISENO	Member
Mr. Ken KOZAI	Member
Mr. Ryosaku ISHIDA	Member
Mr. Toshihide SHIBATA	Member
Ms. Akara MATANO	Member

#### Advisory Team

Mr. Kenichiro KOBAYASHI	JICA Headquarters
-------------------------	-------------------

#### Embassy of Japan

Mr. Toshihiro HOSOI	Second Secretary
---------------------	------------------

#### JICA

Ms. Akiko TOMITA	JICA Turkey Office
Dr. N. ELBIR	JICA Turkey Office

## 資料7 プロGRESSレポート (I) に関する協議議事録 (M/M)

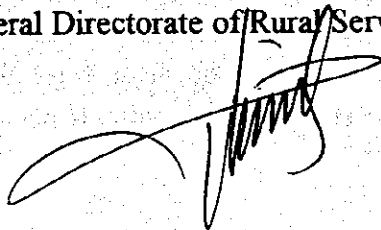


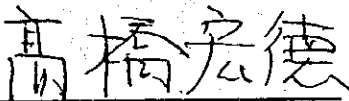
**MINUTES OF MEETING  
ON  
PROGRESS REPORT (1)  
FOR  
THE STUDY  
ON  
NATIONAL SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF TURKEY**

Ankara, March 13, 1997

---

**Mr. Mustafa Mirbey ERTUĞRUL**  
Deputy General Director,  
General Directorate of Rural Services



---

**Mr. Hironori TAKAHASHI**  
Leader, Study Team,  
Japan International Cooperation  
Agency

The Study Team dispatched by Japan International Cooperation Agency (hereinafter referred to as JICA), headed by Mr. Hironori TAKAHASHI as the Team Leader and General Directorate of Rural Services (hereinafter referred to as GDRS), headed by Mr. Rustu KASAP, head of Basin Management and Earth Filled Dams Department, had a series of discussions and exchanged views on the Progress Report (1) for the Study on National Small-Scale Irrigation and Rural Development Program prepared by the Study Team.

#### **1. Receipt of Progress Report (1)**

GDRS received twenty (20) copies of Progress Report (1) submitted by the Study Team on March 3, 1997.

#### **2. Meetings**

A meeting was held at the head office of GDRS on March 11, 1997. The participants are listed in the attached paper.

#### **3. Presentation**

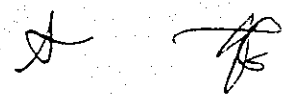
The Study Team presented a brief explanation on Progress Report (1) consisting of major activities of the members, socio-economic background in Turkey, major findings made during this Phase I field work, inventory survey, outline of the master plan, and future working plan.

#### **4. Discussions**

A series of discussions have been made following the presentation of the Progress Report (1), and GDRS has accepted the contents of the Report with some comments. Given below are the major issues discussed by both sides and the comments given by GDRS:

1. The Team stated that the long and short lists shall be updated as required since they have been made based on information as of January, 1997.
2. GDRS requested that the counterpart training in Japan be more facilitated in line with this Study or in another way. The Team will convey this request to the Government of Japan.
3. Technology transfer, specially relating to engineering technology, shall be further made on the course of Phase II study. The transfer will be made through the coordinated work together with the Team members, and the counterpart personnel be participated in preparing the Progress Report (2).
4. Regarding "1.2 Background" in page 1, the present agricultural production does not necessarily meet the self-sufficiency although Turkey had achieved the food self-sufficiency up to 1993/94.

5. Regarding "1.3.2 Study Area" in page 2, "excluding 24 provinces in the southeastern region" in the 2nd line shall read "except 24 provinces".
6. Regarding soils names quoted in "4.1.4 Soil" in page 14, the names shall refer to those presently applied in Turkey.



## LIST OF PARTICIPANTS

### Turkish Side

Mr. Rüştü KASAP	Head of Basin Management and Earth Filled Dams Department, GDRS
Mr. Cavit BÜYÜKGÜRAL	Agricultural Engineer, GDRS
Mr. Sadettin TAKKA	Land Consolidation and Drainage Specialist, GDRS
Ms. Yurdanur SÜRMEİ	Agricultural Engineer, GDRS
Mr. Metin BİRBUDAK	Land Consolidation and Drainage Specialist, GDRS
Ms. Jale TAMZOK	Agricultural Engineer, GDRS
Mr. Mehmet TANSOY	Agricultural Engineer, GDRS
Mr. Şadi KASAPOĞLU	Ground Water Specialist, GDRS
Mr. Ahmet YAŞAR	Land Consolidation Specialist, GDRS
Mr. Mustafa ÇELİKEL	Watershed Management Specialist, GDRS
Ms. Mine DEDEOĞLU	Agricultural Engineer, GDRS
Mr. Nevzat ERDOĞAN	Agricultural Engineer, GDRS
Mr. Nazım ÖZŞAHİN	Agricultural Engineer, GDRS
Dr. Zeynep DERNEK	Agro-Economist, Village Service Research Institute
Mr. Adem İLBEYİ	Agronomist, Ankara Research Institute

### Study Team

Mr. Hironori TAKAHASHI	Team Leader
Mr. Daizo ISENO	Member
Mr. Kosei HASHIGUCHI	Member
Mr. Toshihide SHIBATA	Member
Ms. Akara MATANO	Member

### JICA

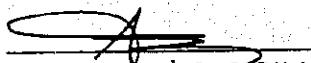
Dr. Nurettin ELBİR	JICA Turkey Office
Dr. Emin ÖZDEMİR	JICA Turkey Office
Ms. Aslı YAZICIOĞLU	JICA Turkey Office

## 資料8 インテリムレポートに関する協議議事録 (M/M)

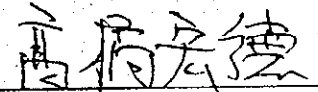


MINUTES OF MEETING  
ON  
INTERIM REPORT  
FOR  
THE STUDY  
ON  
NATIONAL SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF TURKEY

Ankara, July 14, 1997

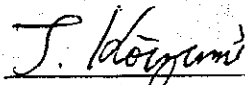


Mr. M. Güner SAYGILI  
General Director  
General Directorate of Rural Services



Mr. Hironori TAKAHASHI  
Leader, Study Team  
Japan International  
Cooperation Agency

Witnessed by:



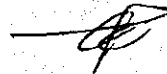
Mr. Takeshi KOIZUMI  
Leader, Advisory Team  
Japan International Cooperation Agency

In accordance with the Scope of Work agreed on August 21, 1996, between General Directorate of Rural Services (hereinafter referred to as "GDRS") and Japan International Cooperation Agency (hereinafter referred to as "JICA"), the Study Team organized by JICA has conducted Phase I study (Master-Plan Study) of the above-captioned Study. Based on the study, Interim Report was prepared and presented to GDRS.

The Study Team headed by Mr. Hironori TAKAHASHI as the Team Leader and GDRS headed by Mr. Rustu KASAP, head of Basin Management and Earth Filled Dams Department, had a series of discussions and exchanged views on the Interim Report, dated July 9 and 10, 1997.

As a result of the discussions, GDRS has agreed with the contents of the Report with the comments within this Minutes of Meeting as agreed by both sides. Given below are the major issues discussed by both sides and the comments given by GDRS.

1. Both sides confirmed that this Study shall primarily undertake small scale projects but not large scale ones.
2. GDRS agreed that the priority projects, proposed by the Team, will be feasibility-studied during Phase II study, names of which are Urunlu, Aslanlar, K. Karistiran, Kakesekisi, Hacilar, Kusca, Kuskara, Ozdenk, Ilyaskoy, and Camlibel.
3. Technology transfer shall further be pursued during Phase II study through On-the-Job-Training, exchanging information and ideas, and preparing Progress Report (2). The Team will hold workshop(s) to facilitate the transfer.
4. GDRS suggested that field survey schedule be notified one (1) week in advance in order to facilitate the counterpart assignment.





## LIST OF PARTICIPANTS

### 1.Turkish Side

Mr.Rüstü KASAP	Head of Basin Management and Earth Filled Dams Department, GDRS
Mr.Sadettin TAKKA	Land Consolidation and Drainage Specialist, GDRS
Ms.Yurdanur SÜRMELE	Agricultural Engineer, GDRS
Mr.Metin BIRBUDAK	Senior Irrigation Engineer, GDRS
Mr.Sadi KASAPOGLU	Agricultural Engineer, GDRS
Mr.Sevki ÜNSALDI	Agricultural Engineer, GDRS
Ms. Hatice TAPAN	Sociologist, GDRS
Ms. Nuran DALGÜN	Agricultural Engineer, GDRS
Ms. Jale TAMZOK	Agricultural Engineer, GDRS
Dr. Ahmet ÜNLÜKALAYCI	Agricultural Engineer, GDRS
Mr.Nevzat ERDOGAN	Agricultural Engineer, GDRS
Mr. Niyazi SERIN	Agricultural Engineer, GDRS
Mr. Mehmet TANSOY	Agricultural Engineer, GDRS
Mr. Zekai OZER	Agricultural Engineer, GDRS
Dr. Zeynep DERNEK	Agro-Economist, Village Service Research Institute
Mr. Adem ILBEYLI	Agronomist, Ankara Research Institute

### 2.Japanese Side

#### The Study Team

Mr.Hironori TAKAHASHI	Leader
Mr.Ken KOZAI	Member
Mr.Ryosaku ISHIDA	Member
Mr.Toshihide SHIBATA	Member
Mr.Kosei HASHIGUCHI	Member
Ms.Akara MATANO	Member

#### Advisory Team

Mr.Takeshi KOIZUMI	Advisory Team Leader
Mr.Kazuya SUZUKI	JICA Headquarter

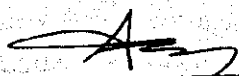
#### JICA

Dr.Nurettin ELBIR	JICA Turkey Office
-------------------	--------------------

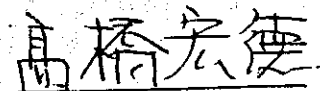
## 資料9 プロGRESSレポート (II) に関する協議議事録 (M/M)

**MINUTES OF MEETING  
ON  
PROGRESS REPORT (2)  
FOR  
THE STUDY  
ON  
NATIONAL SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF TURKEY**

Ankara, September 29, 1997



**Mr. M. Guner SAYGILI**  
General Director  
General Directorate of Rural Services



**Mr. Hironori TAKAHASHI**  
Leader, Study Team  
Japan International  
Cooperation Agency

In accordance with the Scope of Work agreed on August 21, 1996, between General Directorate of Rural Services (hereinafter referred to as "GDRS") and Japan International Cooperation Agency (hereinafter referred to as "JICA"), the Study Team organized by JICA has conducted Filed Survey of Phase II study of the above-captioned Study. Based on the survey, Progress report (2) was prepared and presented to GDRS.

The Study Team headed by Mr. Hironori TAKAHASHI as the Team Leader and GDRS headed by Mr. Hasan Coskun, Head of Basin Management and Earth Filled Dams Department, had a series of discussions and exchanged views on the Progress Report (2), dated September 26, 1997.

As a result of the discussions, GDRS has agreed with the contents of the Report with the comments within this Minutes of Meeting as agreed by both sides. Given below are the major issues discussed by both sides and the comments given by GDRS.

1. Kalesekisi land holding pattern of "11.7, 30.0, 40.0, 20.0, 10.0" shown in Table 3.2.5 shall read "10.3, 27.6, 27.6, 34.5, 0.0" respectively.
2. The present planted area of Hazelnuts in Kozluk project mentioned in page 25 shall be reviewed and the area shall remain in the proposed cropping pattern presented in page 43.
3. "Kusca" in Table 3.4.2 on page 33 shall read "Kuzluk".
4. Social service presented in Table 3.5.1 on page 41 shall be categorized in terms of social facilities and public services separately.
5. Social interview results will be analyzed in more detail during the Home Work in Japan.
6. Soil conservation shall be planned for the catchment area of Ozdenk project in order to prevent soil erosion giving overload of sedimentation.
7. GDRS stated that land consolidation project shall also be further pursued from the view point of 1) construction cost of conveyance facilities could reduce, 2) water allocation could be equally achieved as much as 90 - 100% among irrigation units, and 3) a project accompanied with land consolidation could raise the project benefit.

## LIST OF PARTICIPANTS

### 1. Turkish Side

Mr. Hasan ÇOŞKUN	Head of Basin Management and Earth Filled Dams Department, GDRS
Mr. Hasan BALABAN	Director of Soil Conservation Division, GDRS
Ms. Yurdanur SÜRMEİ	Director of Survey and Project Division, GDRS
Mr. Metin BİRBUDAK	Director of Land Consolidation Section, GDRS
Mr. Şadi KASAPOĞLU	Agricultural Engineer, GDRS
Mr. Şevki ÜNSALDI	Agricultural Engineer, GDRS
Ms. Hatice TAPAN	Sociologist, GDRS
Ms. Nuran DALGÜN	Agricultural Engineer, GDRS
Ms. Jale TAMZOK	Agricultural Engineer, GDRS
Dr. Ahmet ÜNLÜKALAYCI	Agricultural Engineer, GDRS
Mr. Nevzat ERDOĞAN	Agricultural Engineer, GDRS
Mr. Mehmet TANSOY	Agricultural Engineer, GDRS
Ms. Mine DEDEOĞLU	Agricultural Engineer, GDRS
Dr. Zeynep DERNEK	Agro-Economist, Ankara Research Institute
Mr. Adem İLBEYLİ	Agronomist, Ankara Research Institute

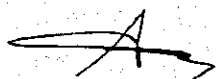
### 2. Japanese Side

Mr. Hironori TAKAHASHI	Leader
Mr. Ken KOZAI	Member
Dr. Ryosaku ISHIDA	Member
Mr. Toshihide SHIBATA	Member
Mr. Kosei HASHIGUCHI	Member
Mr. Koichi NAGANO	Member
Ms. Akara MATANO	Member

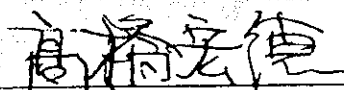
資料 10 ドラフトファイナルレポートに関する協議議事録 (M/M)

**MINUTES OF MEETING  
ON  
DRAFT FINAL REPORT  
FOR  
THE STUDY  
ON  
NATIONAL SMALL-SCALE IRRIGATION AND RURAL  
DEVELOPMENT PROGRAM  
IN  
THE REPUBLIC OF TURKEY**

Ankara, January 13, 1998



Mr. M. Guner SAYGILI  
General Director  
General Directorate of Rural Services



Mr. Hironori TAKAHASHI  
Leader, Study Team  
Japan International  
Cooperation Agency

In accordance with the Scope of Work agreed on August 21, 1996, between General Directorate of Rural Services (hereinafter referred to as "GDRS") and Japan International Cooperation Agency (hereinafter referred to as "JICA"), the Study Team organized by JICA prepared Draft Final Report and submitted 20 copies of the Report to GDRS in December 1997.

1. Receipt of Draft Final Report

GDRS received 20 copies of Draft Final Report submitted by the Study Team on December 29, 1997.

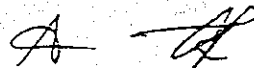
2. Meetings

A series of meetings were held at the head office of GDRS during the period from January 8 to 12, to discuss the contents of the Report.

3. Discussion

As a result of the discussions, GDRS has agreed with the contents of the Report with the comments within this Minutes of Meeting as agreed by both sides. Given below are the major issues discussed by both sides and the comments given by GDRS.

- (1) Excavation depth and the borrow area of Özdenk dam are desirably described in more detail.
- (2) Soil conservation works for Özdenk covering 6,500 square meter is desirably mentioned in detail in conformity with the Table 3.7.2.
- (3) The work schedule for Camlibel should contain another item, i.e., reparation. Also, land acquisition expense for this project is dispensed, because the land area can mutually be raised among land holders free of cost by means of a shared-sacrificing (Katulumpa) system.
- (4) Kidney bean adopted in the cropping plan in Ürünlü are not suitable due to alkalinity of irrigation water and the Study team agreed to replace it with another leguminous crop with alkali-tolerant character.
- (5) As the construction schedule proposed to Ürünlü is not suitable due to coldness and poor road condition, the study team agreed to alter it into the





period from April to November.

- (6) Miss-printed or omitted letters and figures found in the following parts of the Draft Report shall be corrected : Fig.4.2.6 construction schedule should cover a 3-year term instead of 2-year term. Table 7.1.4 contains an item "net gain" but actually it shall be "gross gain". Table 6.5.1 has a note in which "1977" shall be corrected into "1997". The same correction should be made in 6.6.1. Table 5.1.1 should give a unit "decare".
- (7) A farmer participatory system as recommended in the Report may not be directly applied to Turkish decision-making institutions as a method of the project implementation in the light of traditional custom. However, it agreed the proposal of establishing a coordination committee for closer liaison with the Ministry of Agriculture for the extension of irrigation techniques among beneficiaries of the projects.
- (8) GDRS appraised the method of project evaluation by using economic internal rate of return as mentioned in the Report and it would like to employ it in future for project evaluation.
- (9) GDRS expressed a positive intention of the implementation of the studied projects by means of an external fund.
- (10) The study team requested that GDRS would provide comments on the Draft Final Report to JICA within one month after the receipt thereof, i.e., January 28, 1998. GDRS is of the opinion that no further comments than presented during the meetings will be added later. The study team promised to regard all the above-mentioned comments so that they are duly reflected in the Final Report scheduled to submit in March 1998.

## LIST OF ATTENDANTS

Mr. Hasan COSKUN	Head of Basin Management and Earth-Filled Dams Department (B.M.E.D.D.)
Ms. Yurdanur SÜRMELE	Chief of Survey and Project Division, B.M.E.D.D.
Mr. Metin BIRBUDAK	Chief of Land Consolidation, Irrigation Department (I.D.)
Mr. Hasan BALABAN	Chief of Soil Conservation, B.M.E.D.D.
Mr. Celal YENGINOL	Chief of Irrigation Construction
Mr. Sevki ÜNSALDI	Engineer, Small Dams, B.M.E.D.D.
Mr. Nazim ÖZSAHİN	Engineer, Irrigation Department
Mr. Sadi KASAPOGLU	Engineer, Ground-water, B.M.E.D.D.
Mr. O. Nüvit BEKTAS	Engineer, Survey and Project Division, B.M.E.D.D.
Mr. Mehmet TANSOY	Engineer, Soil Science, Survey and Project Division
Dr. Zeynep DERNEK	Chief Researcher, Village Service Research Institute
Ms. Nuran DALGÜN	Hydrologist, B.M.E.D.D.
Ms. Nevin ERGENELI	Geology-hydrogeologist, B.M.E.D.D.
Ms. Jale TAMZOK	Economist, Land Consolidation, I.D.
Ms. Mine DEDEOGLU	Engineer, Land Consolidation, I.D.
Dr. Emin ÖZDAMAR	JICA Turkey Office
Dr. Nurettin ERBİR	JICA Turkey Office
Mr. Hironori TAKAHASHI	Leader, JICA Study Team
Mr. Daizo ISENO	Member, JICA Study Team
Mr. Toshihide SHIBATA	Member, JICA Study Team
Ms. Akara MATANO	Member, JICA Study Team



JICA