	Description	Unit	Q'ty		Amount	
				F.C.	L.C.	Total 265 970 215 261 25 43 1,514 11 84 25 3 1,514 11 84 25 3 1,514 11 84 25 3 157 189 57 108 1,117 10 2,906 345 220 520 3,991 1,492 5,483
1 Di-	ect Cost					a land an
	Rehabilitation and Upgrading Works	ha	2,900	157	108	264
(1)	Komoniumon and Opgrading Works	114	2,900	131	108	200
(2)	Irrigaion Extension Works					
	1) Irrigation canal & facilities	km :	362	604	367	970
	2) Drain & facilities	km 👘	106	142	73	215
	3) On-farm	ha	6,380	172	89	261
	4) O/M Equipment		-	25	0	25
	5) Miscellaneous			28	16	-43
	Sub-total			969	545	1,514
(3)	Rural Infrastructure Work					
	1) Landpreparation	ha	1,200	7	А	
	2) Education facility (schools)	nos	28	46	4 38	
	3) Health & medical care	nos	12	40 14	.11	
	4) Post office	nos	4	2	.11	
	5) Rural water supply	nos	23	99	58	
	6) Main road	km	31	113	- 36 76	
	7) Rural roads	km	111	31	26	
	8) Bridge on the Walawe river	nos	1	81	20 27	
· · ·	9) Electrification	nos	4	111	60	
	10) Telecommunication	nos	4	62	33	
	11) Administrative office	nos	22	28	23	
	12) Development center	nos	1	58	25	
	13) Starter facilities for settler	nos	5,340	5	16	
	14) Agro extension facility	nos	6	11	15	
	15) Miscellaneous			22	14	
	Sub-total			690	427	1,117
(4)	Environmental Mitigative Actions and M	Monitorin	gs	0	10	10
	Total of direct cost	-		1,816	1,090	2,906
2 Engin	eering Services		· <u>·</u>	345	. 0	345
8 Admi	nistration			0	220	220
Physic	cal contingency			323	197	
Total	of Items 1, 2, 3 and 4			2,484	1,507	3,991
Price	Escalation			470	1,022	1,492
	Grand Total	1 7		2,954	2,529	5,483

Table 9 FINANCIAL CONSTRUCTION COST OF PROPOSED PROJECT WORK

									(Un	it : Rs. 1	nillion)	
Total Project Cost				1993			1994		1995			
F.C	L.C	Total	F.C	L.C	Total	F.C	L.C	Total	F.C	L.C	Total	
2,484	1,507	3,991	14	9	23	88	32	120	282	164	446	
470	1,022	1,492	- 1	1	2	7	- 8	15	34	64	98	
2,954	2,529	5,483	15	10	25	95	40	135	316	228	544	
									,			
1996				1997			1998					
F.C	L.C	Total	F.C	L.C	Total	F.C	L.C	Total	-			
738	427	1,165	802	506	1,308	560	369	929				
120	236	356	166	370	536	142	344	486				
858	663	1,521	968	876	1,844	. 702	713	1,415	•			
	F.C 2,484 470 2,954 F.C 738	F.C L.C 2,484 1,507 470 1,022 2,954 2,529 1996 F.C F.C L.C 738 427	2,484 1,507 3,991 470 1,022 1,492 2,954 2,529 5,483 <u>1996</u> F.C L.C Total 738 427 1,165	F.C L.C Total F.C 2,484 1,507 3,991 14 470 1,022 1,492 1 2,954 2,529 5,483 15 1996 F.C L.C Total F.C 738 427 1,165 802 120 236 356 166	F.C L.C Total F.C L.C 2,484 1,507 3,991 14 9 470 1,022 1,492 1 1 2,954 2,529 5,483 15 10 1996 1996 1997 F.C L.C Total F.C L.C 738 427 1,165 802 506 120 236 356 166 370	F.C L.C Total F.C L.C Total 2,484 1,507 3,991 14 9 23 470 1,022 1,492 1 1 2 2,954 2,529 5,483 15 10 25 1996 1996 1997 F.C L.C Total F.C L.C 738 427 1,165 802 506 1,308 120 236 356 166 370 536	F.C L.C Total F.C L.C Total F.C 2,484 1,507 3,991 14 9 23 88 470 1,022 1,492 1 1 2 7 2,954 2,529 5,483 15 10 25 95 1996 1997 1997 F.C L.C Total F.C L.C Total F.C 738 427 1,165 802 506 1,308 560 120 236 356 166 370 536 142	F.C L.C Total F.C L.C Total F.C L.C 2,484 1,507 3,991 14 9 23 88 32 470 1,022 1,492 1 1 2 7 8 2,954 2,529 5,483 15 10 25 95 40 1996 1997 1998 F.C L.C Total F.C L.C Total F.C L.C 738 427 1,165 802 506 1,308 560 369 120 236 356 166 370 536 142 344	F.C L.C Total F.C L.C Total F.C L.C Total 2,484 1,507 3,991 14 9 23 88 32 120 470 1,022 1,492 1 1 2 7 8 15 2,954 2,529 5,483 15 10 25 95 40 135 1996 1997 1998 F.C L.C Total F.C L.C Total F.C L.C Total 738 427 1,165 802 506 1,308 560 369 929 120 236 356 166 370 536 142 344 486	Total Project Cost19931994F.CL.CTotalF.CL.CTotalF.C2,4841,5073,9911492388321202824701,0221,4921127815342,9542,5295,4831510259540135316199619971998F.CL.CTotalF.CL.CTotalF.CL.CTotalF.CL.CTotal199619971998F.CL.CTotalF.CL.CTotal77384271,1658025061,308560369929120236356166370536142344486	F.C L.C Total F.C L.C Total F.C L.C Total F.C L.C Total F.C L.C 2,484 1,507 3,991 14 9 23 88 32 120 282 164 470 1,022 1,492 1 1 2 7 8 15 34 64 2,954 2,529 5,483 15 10 25 95 40 135 316 228 1996 1997 1998 1997 1998 1997 1998 10	

Table 10 ANNUAL DISBURSEMENT SCHEDULE

Note: Price escalation rate : F/C; 3.8 % /year L/C; 11.6 % /year

Table 11 IRRIGATION BENEFIT AT FULL DEVELOPMENT STAGE

		Old Area	· · · · ·		Extension Area	······································	Total
Item	With Project Condition	Without Project Condition	Increasement	With Project Condition	Without Project Condition	Increasement	Increasement
Irrigated Area (ha))			····			
Paddy	2,220	2,540	-320	2,320	80	2.240	1,920
Big Onion	240		240	390		390	630
Vegetables	260	310	-50	240		240	190
Banana	400	50	350	210		210	560
Sugarcane	820		820	2,180		2.180	3.000
Total	3,940	2,900	1,040	5,340	80	5,260	6,300
Production (ton)						•	
Paddy	24,420	21,844	2,576	25,520	264	25,256	27,832
Big Onion	5,760	,-	5,760	9,360	201	9,360	15.120
Vegetables	13,000	12,400	600	12,000		12,000	12,600
Banana	6,800	750	6,050	3,570		3,570	9,620
Sugarcane	93,480		93,480	248,520		248,520	342,000
Production Value (Rs. 1.000)						
Paddy	103,896	85,852	18,044	108,576	1,016	107,560	125.604
Big Onion	57.600	00,000	57,600	93,600	1,010	93,600	
Vegetables	29,172	16,182	12,990	26,928			151,200
Banana	60,688	6.616	54,072	31,861	· .	26,928	39,918
Sugarcane	60,086	0,010	60,086	159,740		31,861	85,933
Total	311,442	108,650	202,792	420,705	1,016	159,740 419,689	219,825
rigation Benefit (I	Rs. 1.000)				······································		*****
Paddy	105.672	87.376	18,296	110,432	944	100 400	107 70 1
Big Onion	54,336	0,,570	54,336	88,296	944	109,488	127,784
Vegetables	25,220	11,408	13,812	23,280		88,296	142,632
Banana	51,200	5,494	45,706	26,880		23,280	37,092
Sugarcane	82,984	2,724	82,984	20,880		26,880	72,586
Total	319,412	104,278	215,134	469,504		220,616	303,600
		101,210	41J,134	409,304	944	468,560	683,694

- 116 -

Table 12 PROJECT COST AND BENEFIT FLOW

			0.				n i
No	Year	Capital -	Costs O&M	Replacement	Total	Gross Benefit	Balance (B-C)
10	1 Unu	Сарна	Odim	Replacement	(C)	(B)	(0.0)
1	1993	20,904	0		20,904	0	-20,90
2	1994	112,261	Ő		112,261	õ	-112,26
3	1995	404,732	Ő		404,732	-139,480	-544,21
4	1996	1,058,290	ŏ		1,058,290	116,190	-942,10
5	1997	1,181,486	8,085		1,189,571	325,569	-864,00
6	1998	836,746	12,128		848,874	532,785	-316.0
7	1999		16,170		16,170	607,655	591,48
8	2000		16,170		16,170	651,136	634,90
9	2001		16,170		16,170	674,375	658,20
10	2002	•	16,170		16,170	683,694	667,52
11	2003		16,170		16,170	683,694	667,5
12	2004		16,170		16,170	683,694	667,52
13	2005		16,170		16,170	683,694	667,52
14	2005		16,170		16,170	683,694	667,5
15	2000		16,170		16,170	683,694	667,5
16	2007		16,170		16,170	683,694	667,5
17	2008		16,170		16,170	683,694	667,5
18	2010		16,170		16,170	683,694	667,5
19	2010		16,170		16,170	683,694	667,5
20	2011		16,170		16,170	683,694	667,5
	2012	÷	16,170		16,170	683,694	667,5
21	2013		16,170		16,170	683,694	667,5
22 23	2014		16,170		31,886	683,694	651,8
	2015		16,170	-	43,622	683,694	640,0
24			16,170		35,931	683,694	647,7
25	2017				25,729	683,694	657,9
26	2018		16,170 16,170		16,170	683,694	667,5
27	2019		16,170		16,170	683,694	667,5
28	2020		16,170		16,170	683,694	667,5
29	2021		16,170		16,170	683,694	667,5
30	2022		-		16,170	683,694	667,5
31	2023		16,170		16,170	683,694	667,5
32	2024		16,170		16,170	683,694	667,5
33	2025		16,170		16,170	683,694	667,5
34	2026		16,170		16,170	683,694	657,5
35	2027		16,170 16,170		16,170	683,694	667,5
36	2028				16,170	683,694	667,5
37	2029		16,17(16,17(16,170	683,694	667,5
38	2030				16,170	683,694	667,5
39	2031		16,170		16,170	683,694	667,5
40	2032		16,17(16,17(16,170	683,694	667,5
41	2033				16,170	683,694	667,5
42	2034		16,170		31,886	683,694	651,8
43	2035		16,170		43,622	683,694	640,0
44	2036		16,170		43,022 35,931	683,694	647,7
45	2037		16,170		25,729	683,694	657,9
46	2038		16,170			683,694	667,5
47	2039		16,170		16,170	683,694	667,5
48	2040		16,170		16,170		667,5
49	2041		16,170		16,170	683,694	667,5
50	2042		16,170	J	16,170	683,694	007,

NPV(10%) = 2,454,617

1,765,717

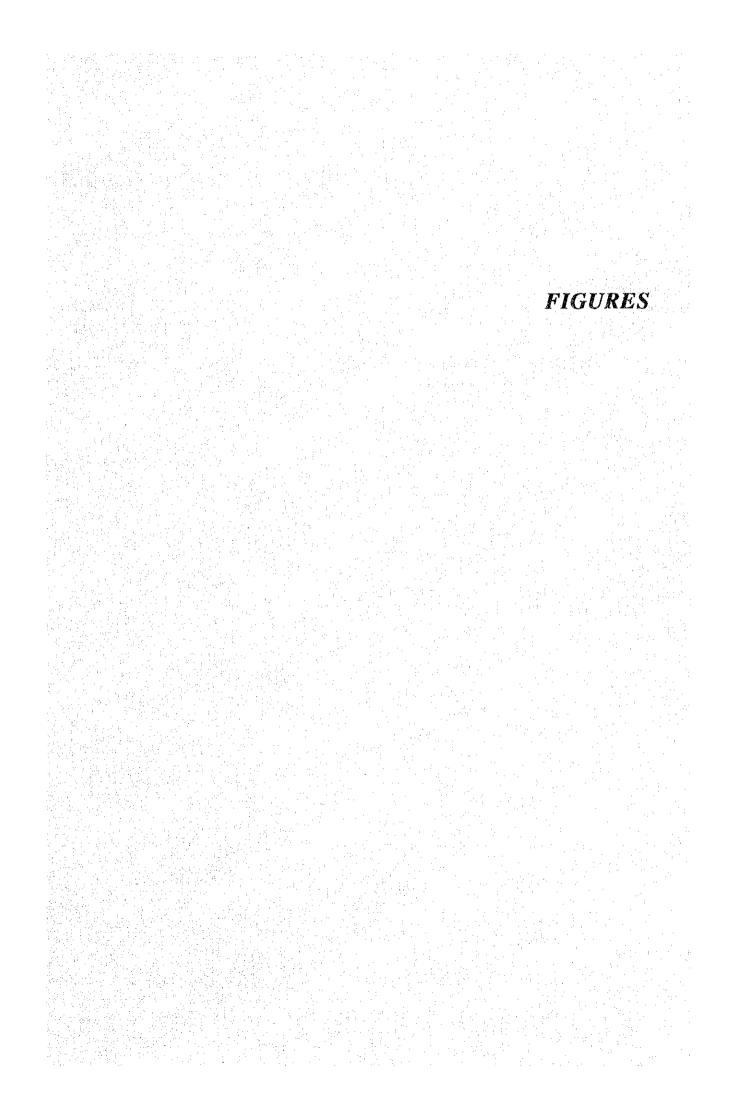
4,220,334

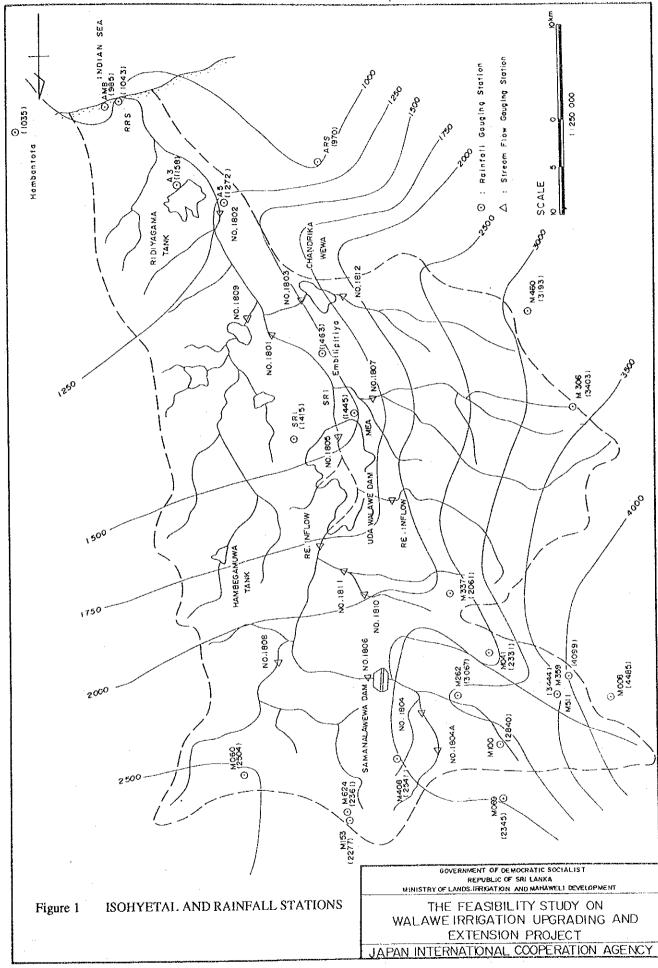
Sensitivity data: Benefit Down (%) Cost up 10 -10 0 ITEM (%) (%) 17.3% 20.9% 19.1% 0 -10 Cost -5 0 5 19.9% 18.1% 16.4% UP 17.3% 16.5% 18.9% 15.6% Benefit DOWN 0 14.9% B-C = 1,765,717 18.1% 15.8% 14.2% 10 17.3% B/C = 1.72 15.1% 13.6% 17.3% 16.6% 15 EIRR

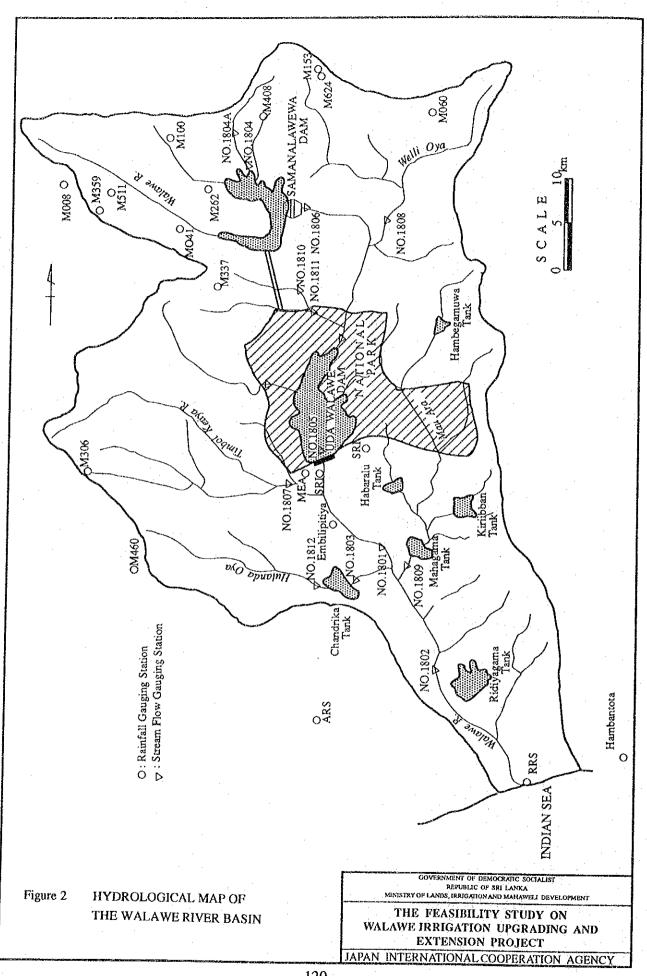
- 117 -

Table 13 GENERATION OF NEW EMPLOYMENT

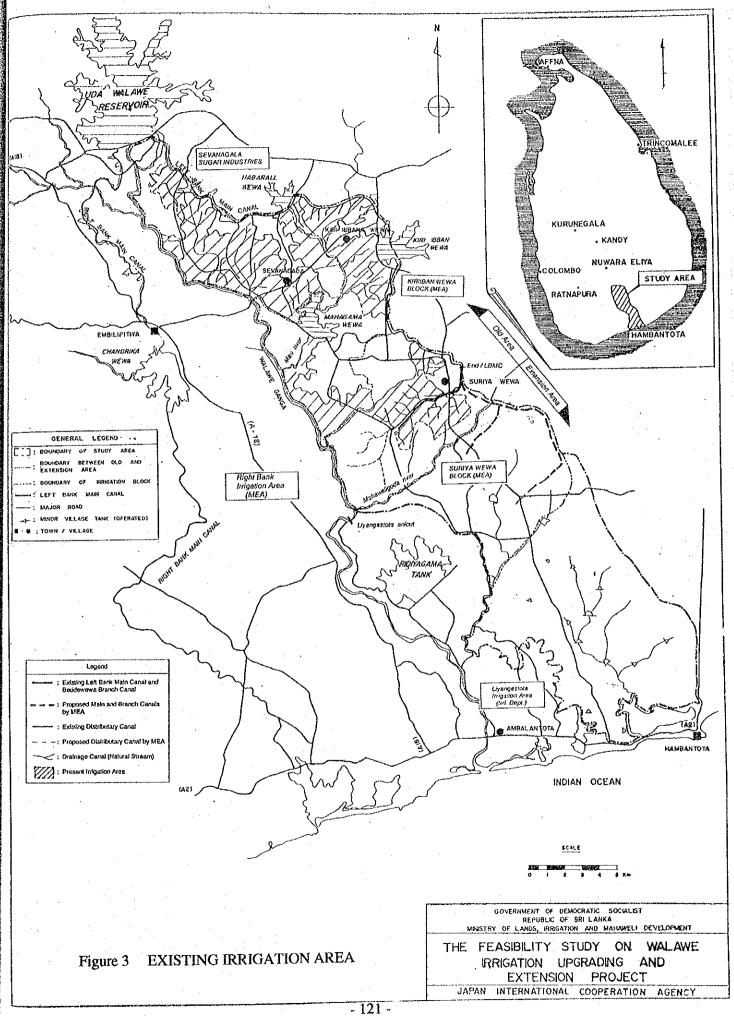
Item	Employment (persons)	No. of Family	Population (persons)	
Ben feldelikan kan ken ken kan kan manya yang di kan kenya kenya kan kenya kan kenya kan kenya kan kenya kan ke	an a	an Marine Manager and an	19	
1. Farm Labour			· · · · ·	
1) Full-Time	12,760	6,380	34,452	
2) 2Part Time	3,850	2,020	10,908	
2. Sevanagala Sugar Corp	oration		· · ·	
1) Factory worker	280	200	1,080	
2) Miscellaneous	180	100	540	
 Hamlet Village Center a Marchant etc. 	and Area Center (t	own)		
2) Processing and	1,720	900	4,860	
Cooperation	290	200	1,080	
4. Publick and PrivateOffi	ce			
1) MEA	60	60	324	
Post, Bank and other offices	160	140	756	
5. School, Hospital and other publick centers	1,050	1,000	5,400	
Total	20,350	11,000	59,400	
Old Area	3,300	1,800	9,700	
Ext. Area	17,050	9,200	49,700	

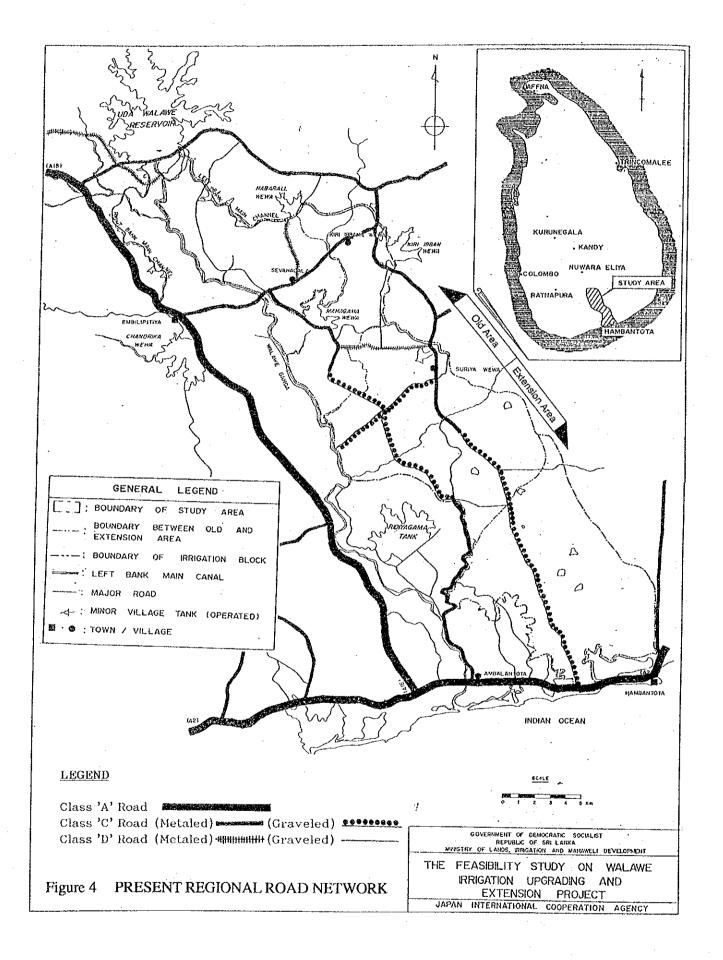


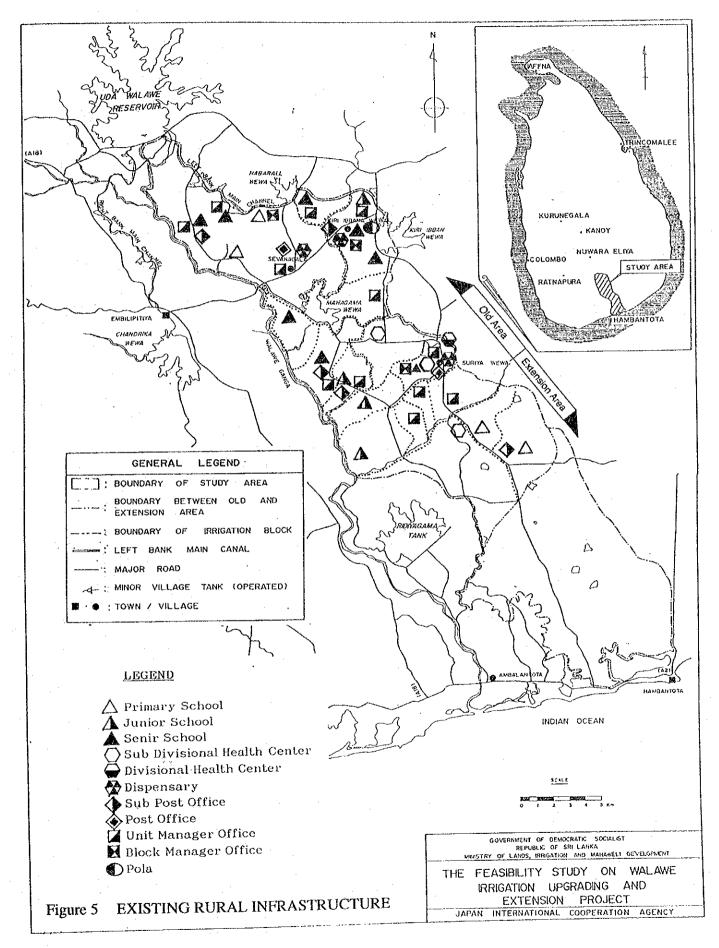




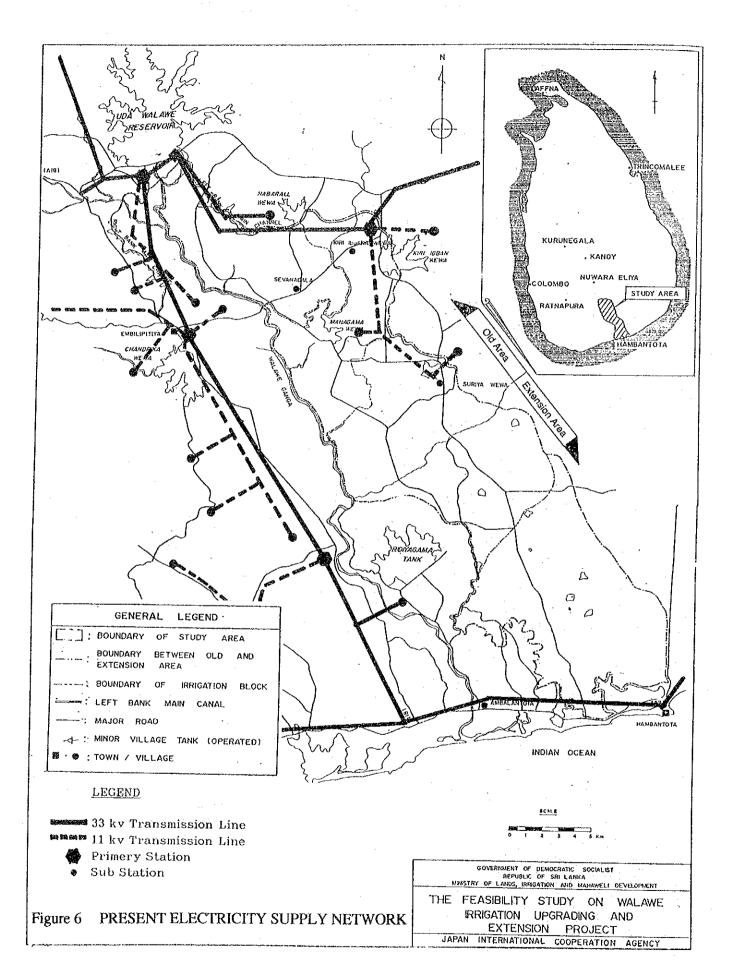
- 120 -

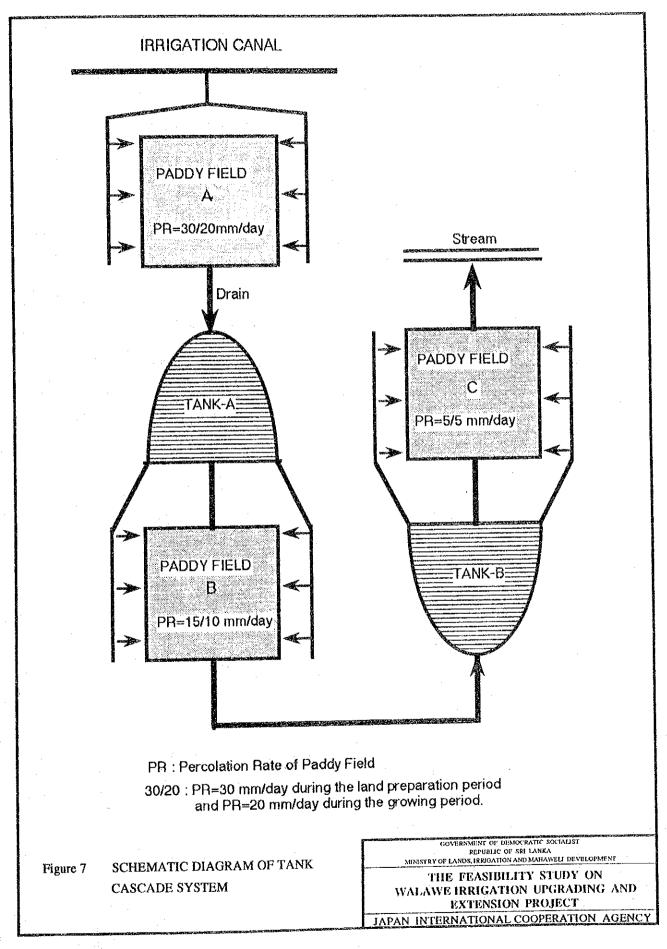


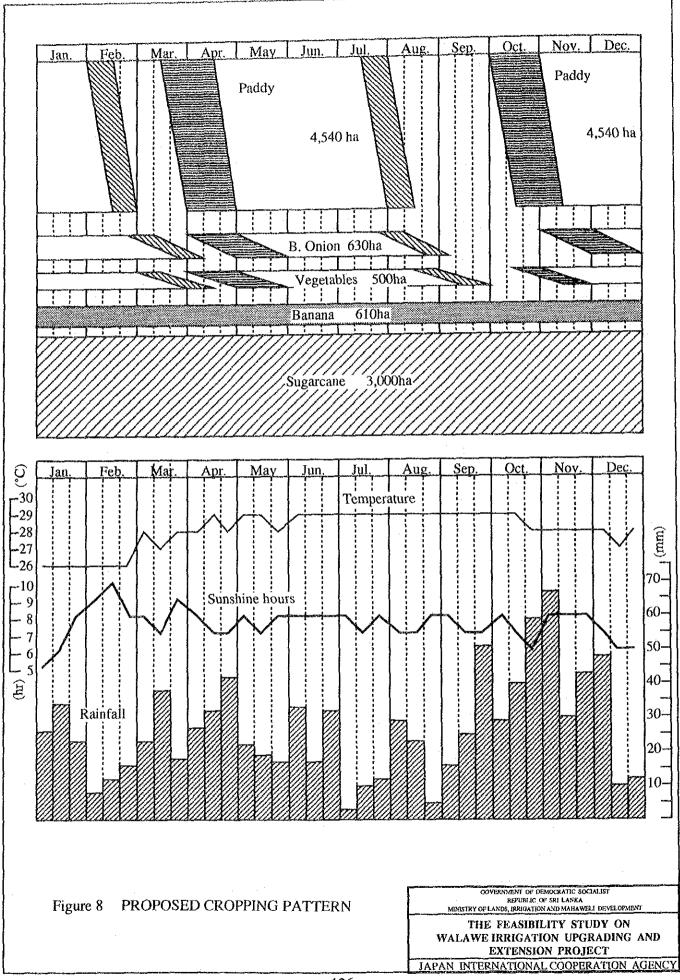




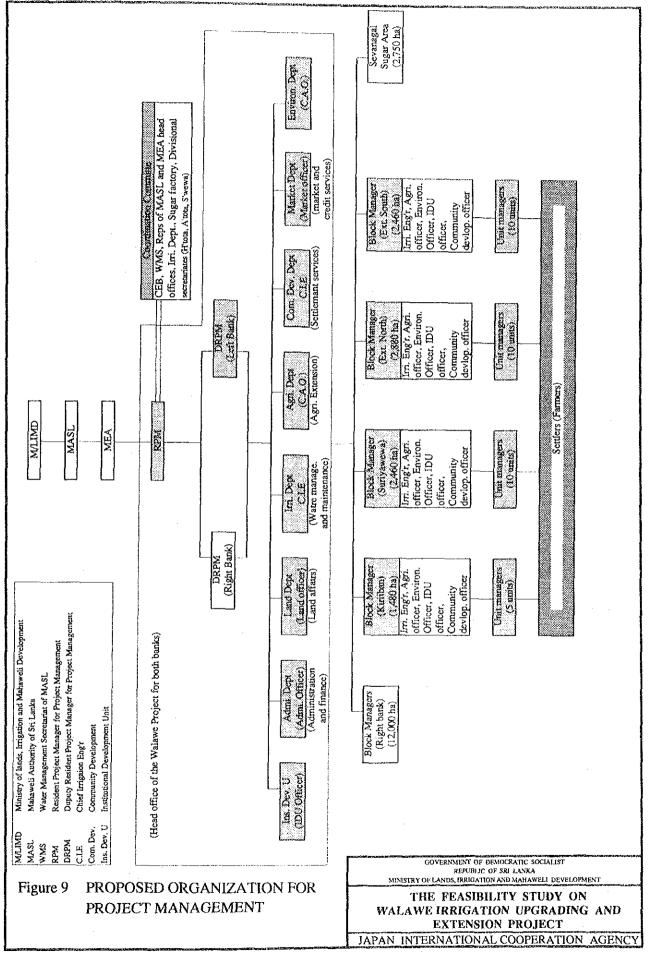
- 123 -



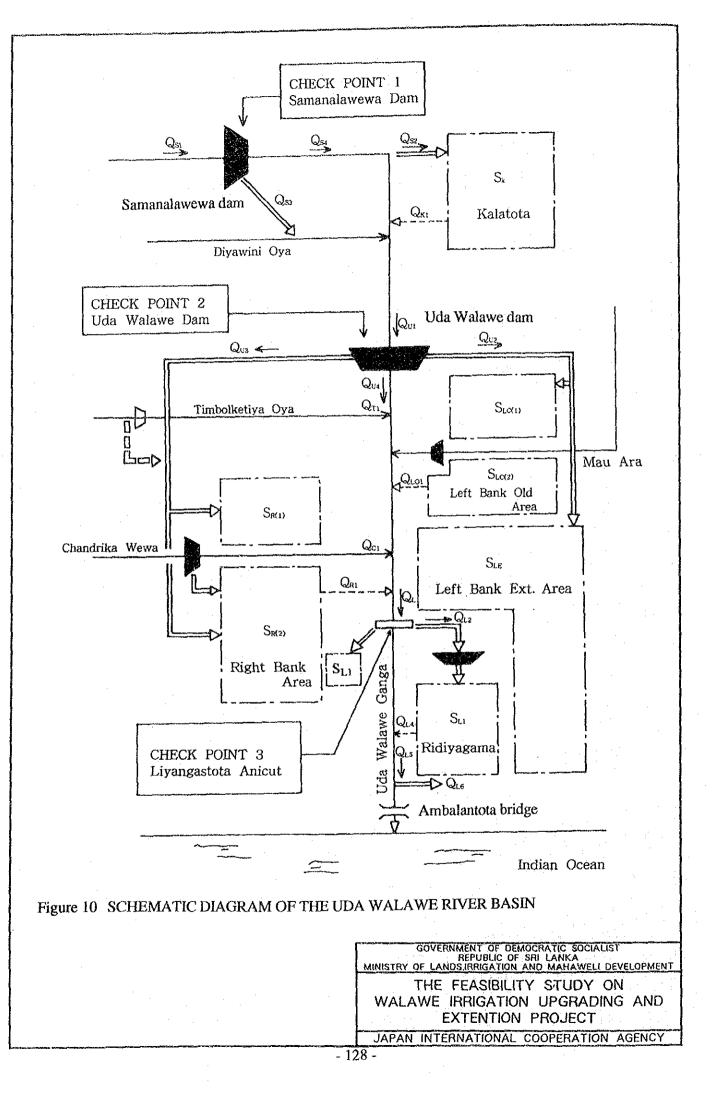




- 126 -



- 127 -



Description	Unit	Q'iy	1993 (1)	1994 (2)	1995 (3)	1996 (4)	1997 (5)	1998 (6)	1999 (7)
1 Budget Arrangement							·		***
2 Detailed Design					 RGI				
3 Construction Works									<u></u>
(1) Pre-construction arrangement				ľ	1				
1) Tendering				ļ	55055				
2) Land acquisition						1			
(2) Rehabilitation and upgrading works	ha	2,900							
in Old area					1 :				
(3) Construction works for Extension area				·					
1) Extension area I (Suriyawewa block)	ha	1,040							
2) Extension area II (North)	he	2,880		· ·	50				
3) Extension area III (South)	ha	2,460							
(4) Extension work of sugar factory	ha	3,000					unun	unnu	
4 Project Adiminstration and O&M works									
(1) Project Adiminstration for D/D and								2000 C	
construction									
(2) Settlement administration									
(3) O&M works									
5 Engineering Services									
B	1 1								
6 Development Area under the Project									
6 Development Area under the Project (extent by the end of year)		2 900				1.420	1.480	0	
6 Development Area under the Project (extent by the end of year) (1) Old Area	hr hr	2,900				1,420		0	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) 	ha	1,040				1,420 1,040 880	0	0	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) 	ha ha	1,040 2,880				1,040	0 1,000	0 1,000	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) 	ha ha ha	1,040 2,880 2,460				1,040 880	0 1,000 1,300	0 1,000 1,160	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) Total 	ha ha ha ha	1,040 2,880				1,040 880 <u>0</u> 3,340	0 1,000 1,300 3,780	0 1,000 1,160 2,160	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) 	ha ha ha	1,040 2,880 2,460				1,040 880 <u>0</u> 3,340	0 1,000 1,300 3,780	0 1,000 1,160	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) Total 	ha ha ha ha	1,040 2,880 2,460				1,040 880 <u>0</u> 3,340	0 1,000 1,300 3,780	0 1,000 1,160 2,160	
 6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) Total (cumulative area) 	ha ha ha ha	1,040 2,880 2,460 9,280				1,040 880 0 3,340 (3,340)	0 1,000 1,300 3,780 (7,120)	0 1,000 1,160 2,160 (9,280)	
6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) Total (cumulative area) 7 Development Area by Crop	ha ha ha ha	1,040 2,880 2,460 9,280 4,540				1,040 880 0 3,340 (3,340) 1,530	0 1,000 <u>1,300</u> 3,780 (7,120) 3,590	0 1,000 1,160 2,160 (9,280) 4,540	
6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area II (South) Total (cumulative area) 7 Development Area by Crop (cumulative area)	ha ha ha ha (ha)	1,040 2,880 2,460 9,280	-			1,040 880 0 3,340 (3,340) 1,530 1,150	0 1,000 1,300 3,780 (7,120) 3,590 2,140	0 1,000 1,160 2,160 (9,280) 4,540 3,000	4,5
6 Development Area under the Project (extent by the end of year) (1) Old Area (2) Extension area I (Suriyawewa block) (3) Extension area II (North) (4) Extension area III (South) Total (cumulative area) 7 Development Area by Crop (cumulative area) (1) Paddy	ha ha ha ha (ha)	1,040 2,880 2,460 9,280 4,540				1,040 880 0 3,340 (3,340) 1,530	0 1,000 3,780 (7,120) 3,590 2,140 1,390	0 1,000 1,160 2,160 (9,280) 4,540 3,000 1,740	

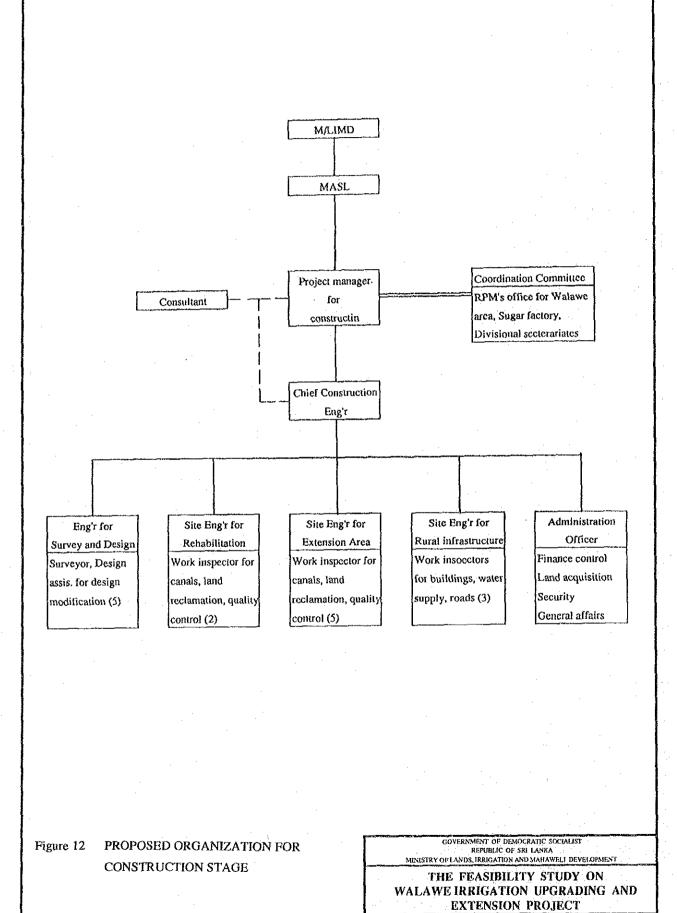
Seven Project Works Sevenagala sugar factory

Note: Extension work of Sugar factory is required to complete by end of 1998

Figure 11	PROPOSED IMPLEMENTATION
	TIME SCHEDULE

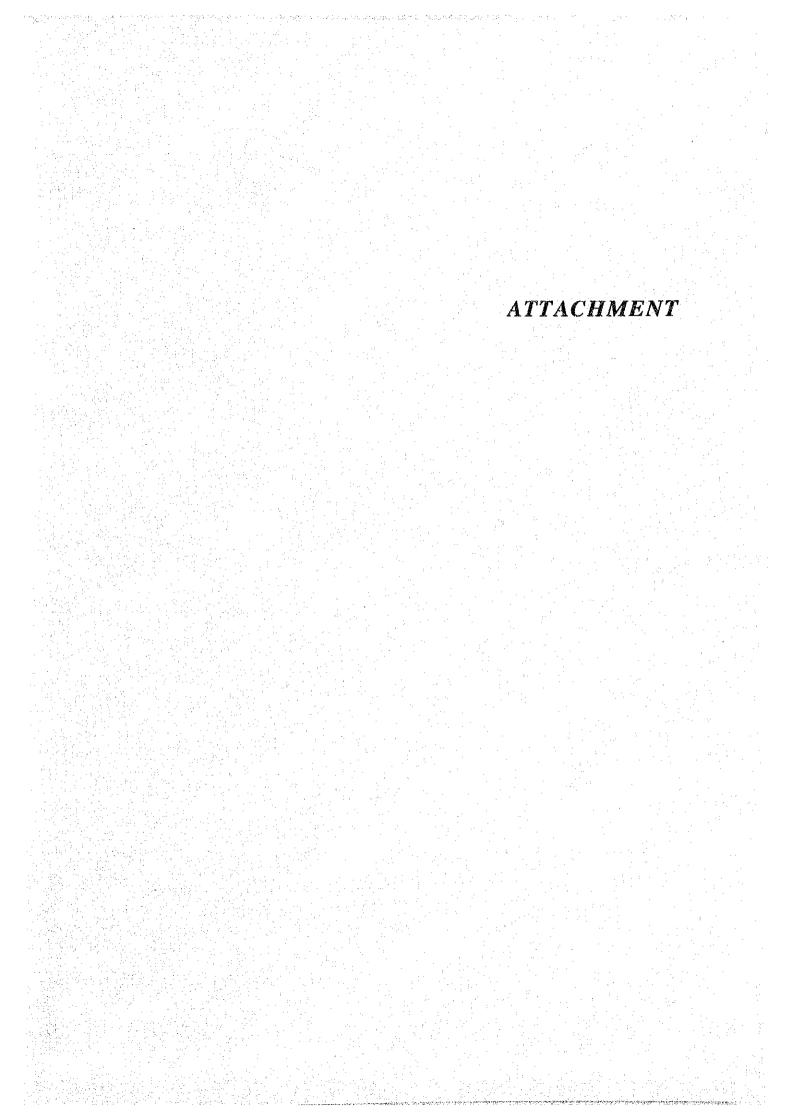
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REPUBLIC OF SRI LANKA	
MINISTRY OF LANDS, IRRIGATION AND MAHAWELL DEVELOPMENT	
THE FEASIBILITY STUDY ON WALAWE IRRIGATION UPGRADING AND EXTENSION PROJECT	
JAPAN INTERNATIONAL COOPERATION AGENC	Y

- 129 -



- 130 -

JAPAN INTERNATIONAL COOPERATION AGENCY



SCOPE OF WORK

FCR

THE FEASIBILITY STUDY

CM ·

WALAWE IRRIGATION UPGRADING AND EXTENSION PROJECT

AGREED UPON BETWEEN

MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT

AND

THE JAPAN INTERNATIONAL COOPERATION AGENCY

COLOMED, 21ST NOVEMBER 1990

A.A. WIJETUNGA SECRETARY, MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT

りも I 11

KAZUYOSHI FURUKAWA LEADER, THE PRELIMINARY STUDY TEAM, THE JAPAN INTERNATIONAL COOPERATION AGENCY

I. INTRODUCTION

In response to the request of the Government of the Democratic Socialist Republic of Sri Lanka (hereinafter referred to as "the Government"), the Government of Japan has decided to undertake the feasibility study on Walawe Irrigation Upgrading and Extension Project (Left Bank) (hereinafter referred to as "the Study") in accordance with the relevant laws and regulations in force in Japan.

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

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

II. CEJECTIVES OF THE STUDY

The objectives of the Study are:

 to formulate comprehensive agricultural water resources development programmes in Walawe Irrigation Upgrading and Extension Project (Left Bank) (approximately 30,000 ha.);

- to conduct a feasibility study on Extension of Walawe Left Bank (approximately 15,000 ha.);
- 3. to undertake on-the-job training of the Government's officials in the course of the study.

III. STUDY AREA

The study area is to cover Walawe Left Pank, 30,000 ha. (Location map attached in Annex 2).

IV. SCOPE OF THE STUDY

In order to achieve the above objectives, the Study will cover the following items.

PHASE I STUDY

- 1. Collection and analysis of the relevant existing data and information, and field survey including:
 - (1) Natural condition
 - a. Topography
 - b. Meteorology and hydrology
 - c. Geology and soil
 - d. Others

(2) Agriculture

- a. Land use and tenure
- b. Cropping pattern, yield and Livestock
- c. Agro-economy and institution
- d. Others
- (3) Agricultural infrastructure
 - a. Irrigation and drainage
 - b. Farm road
 - c. Other rural infrastructure
- (4) S
 - Socio-economic situation
 - a. Population, household and farmers
 - Regional socio-economy and farm household economy
 - c. Extension services
 - d. Social and farmers organizations
 - e. Agricultural credit
 - f. Farmers' intension
 - 9. Marketing
 - h. Others

- (5) Other information related to the project
 - a. Administrative organizations related to the project
 - b. Environmental impact
 - c. Others
- 2. Formulation of an agricultural development plan of Walawe Left Bank (old area and extension)
- 3. Formulation of an irrigation and drainage plan of Walawe Left Bank (old area and extension).

PHASE II STUDY

- Feasibility Study in the extension area of Walawe Left Bank. The Study covers the following itens:
 - Additional field survey, data collection and analysis including;
 - a. Hydrology and meteorology
 - 5. Geology and soil classification
 - c. Land use and tenure
 - d. Cropping pattern, yield and Livestock
 - e. Irrigation and drainage
 - f. Inundation problem, flood damage
 - g. Water requirement for crop and domestic use
 - h. Regional socio-economy and farm household economy
 - i. Social and farmers organizations (inclusive of training)

j. Farm power

k. Construction materials

1. Environment

- m. Post Harvest Technology, Marketing and Agro-Industry
- n. Others
- (2) Formulation of an agricultural development programme.
- (3) Formulation of irrigation and drainage development programme
- (4) Preliminary design of the major structures of the Project
- (5) Formulation of Plan for Irrigation system management (inclusive of operation and maintenance plan for irrigation and drainage).
- (6) Verification of feasibility
 - a. Preparation of the implementation schedule
 - b. Estimation of the project costs and benefits
- (7) Recommendation
- V. THE STUDY SCHEDULE

The Study will be carried out in accordance with the tentative schedule attached in Annex 1.

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VI. REPORTS

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

1. Inception Report

Thirty (30) copies at the commencement of the Phase I Study.

2. Progress Report (I)

Thirty (30) copies at the end of the field work of the Phase I Study.

3. Interim Report

Thirty (30) copies at the commencement of the Phase II Study.

1. Progress Report (II)

Thirty (30) copies at the end of the field work of the Phase II Study.

5. Draft Final Report

Thirty (30) copies within one (1) month after the end of the Phase II Study.

The Government of Sri Lanka shall provide its comments on the Draft Final Report within one (1) month after its reception. 6. Final Report

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

VII. UNDERTAKING OF THE GOVERNMENT OF SRI LANKA

- 1. To facilitate smooth conduct of the Study, the Government of Sri Lanka shall take necessary measures;
 - (1) to secure the safety of the Study Team,
 - (2) to permit the members of the Japanese Study Team, to enter, leave and sojourn in Sri Lanka for the duration of their assignment therein, and exempt them from alien registration requirements and consular fees,
 - (3) to exempt the members of the Japanese Study Team from taxes, duties, fees and other charges on equipment, machinery and other materials brought into Sri Lanka for the conduct of the Study,
 - (4) to exempt the members of the Japanese Study Team from income tax and other charges of any kind imposed on or in connection with any empluments or allowance paid to the members of the Japanese Study Team for their services in connection with the implementation of the Study,

- (5) to provide necessary facilities to the Japanese Study Team for remittances as well as utilization of the funds introduced into Sri Lanka from Japan in connection with the implementation of the Study,
 - (6) to secure permission for entry into private properties or restricted areas for the conduct of the Study, according to prevailing regulations of the Government of Sri Lanka,
 - (7) to secure permission to use all data and documents related to the Study including photographs in Japan,
 - (8) to provide medical services as needed. Its expenses will be chargeable on the members of the Japanese Study Team.
- 2. The Government of Sri Lanka will 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.

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- 3. The Ministry of Lands, Irrigation and Mahaweli Development of Sri Lanka (hereinafter referred to as "the Ministry") shall act as counterpart agency to the Japanese Study Team and also as coordinating body to other relevant organizations for the smooth implementation of the Study.
- 4. The Ministry shall, at its own expense, provide the Japanese Study Team with the following, in cooperation with other agencies concerned, if necessary:
 - (1) Available data and information related to the Study
 - (2) Counterpart personnel
 - (3) Suitable office with necessary equipment and furniture
 - (4) Necessary number of vehicles with drivers
 - (5) Credentials or identification cards to the members of the Japanese Study Team
 - (6) Supplementary engineering survey topographic survey

VIII. UNDERTAKING 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 Sri Lanka,
- 2.

To pursue technology transfer to the Sri Lanka counterpart personnel in the course of the Study.

IX. OTHERS

JICA and Ministry of Lands, Irrigation and Mahaweli Development of Sri Lanka will consult with each other in respect of any matter that may arise from or in connection with the Study.

ANNEX I

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TENTATIVE SCHEDULE

Item Month	1	2	3	4	5	6	7	8	9	10	11	12	13		15	16	17	18
WORK IN SRI LANKA										<u></u>				: - -		0		
WORK IN JAPAN)				—		;							- - -			
	4	2		Δ					Δ			Δ			Δ		· ·	Δ
REPORTS	INC	:/R		P/R	(I)				INT/	'R		P/R	(II)	• .	DF/R			F/R

(Remarks)

INC/R : Inception ReportP/R : Progress ReportINT/R : Interim ReportDF/R : Draft Final ReportF/R : Final Report

O Comments on DF/R by SRI LANKA side

