APPENDIX 3

MINUTES OF DISCUSSION

BASIC DESIGN STUDY

FOR ROAD MAINTENANCE

IN THE REPUBLIC OF UGANDA

In response to the request from the Government of the Republic of Uganda, the Government of Japan decided to conduct a basic design study on the Project for Road Maintenance (hereinafter referred to as the "Project"), and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to Uganda a study team, which is headed by Mr. Toshiomi Matsunaga, Planning and Coordination Division Technical Office, Hokkaido Development Bureau, and is scheduled to stay in the country from September 5 to September 24, 1992.

The team held discussions and conducted a field survey. Both parties have confirmed the main items described on attached sheets. The team will proceed to further works and prepare the Basic Design Study Report.

Kampala, September 14, 1992

Mr. Toshiomi Matsunaga

Leader

Basic Design Study Team

JICA

Eng. H.R. Kibuuka

Engineer-in-Chief/Secretary

for Works

Ministry of Works, Transport

and Communications

P.O. Box 10

ENTEBBE

(Uganda).

1. OBJECTIVE

The objective of the Project is to strengthen the MOWTC's road maintenance division by providing necessary equipment for proceeding the road rehabilitation and maintenance project in the country.

2. PROJECT SITE

(1) MOWTC's Central Mechanical Workshops in Kampala (Location map is attached as Annex-1)

3. RESPONSIBLE ORGANIZATION, EXECUTING ORGANIZATION

(1) Responsible organization: Ministry of Works, Transport and Communications, MOWTC

4. ITEMS REQUESTED BY THE GOVERNMENT OF UGANDA

After discussions with the Basic Design Study Team, the list of major items requested by the Uganda side is confirmed as shown in Annex 2. However, the final components of the Project will be decided after further studies.

5. JAPAN'S GRANT AID SYSTEM

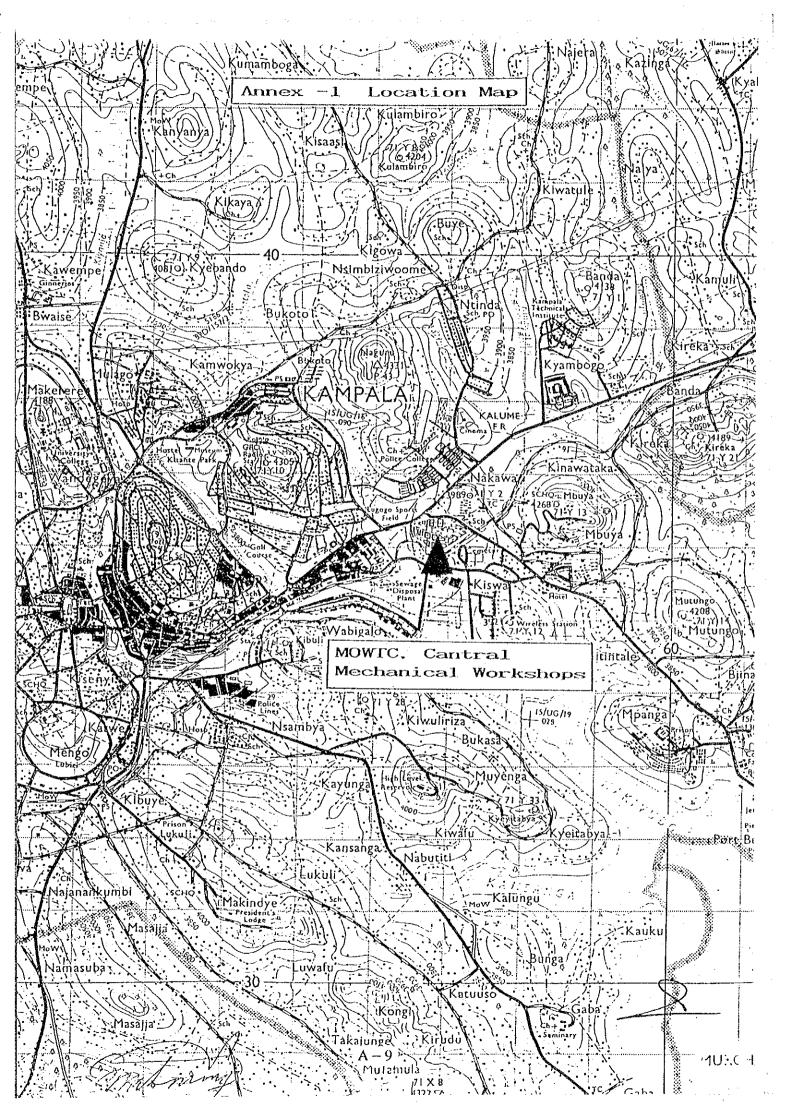
- (1) The Government of Uganda has understood Japan's Grant Aid system explained by the team.
- (2) The Government of Uganda will take necessary measures, described in Annex 3 for smooth implementation of the Project, on condition that the Grant Aid Assistance by the Government of Japan is extended to the Project.

6. SCHEDULE OF THE STUDY

- (1) The consultants will proceed to further studies in Uganda until September 24, 1992.
- (2) JICA will prepare the draft report in English and dispatch a mission in order to explain its contents by the end of November, 1992.
- (3) Based on the Minutes of Dicsussions and technical examination of the study results, JICA will complete the final report and will send it to the Government of Uganda around February, 1993.

2

Mustanaga



Annex-2 List of equipment requested by the Government of Uganda

1	. Tipper Truck	8ton, cab-over type	10 units
2	. Water Truck	6.000liters complete with pump and accessories	l unit
3.	Pick-up	4x4, 2,500cc diesel, single cab	8 units
4.	Motor Grader	135HP, blade 3.70m class	4 units
5.	Crawler Loader	110HP, bucket 1.5m3 class with teeth, 3 shank ripper	2 units
6.	Wheel Loader	130HP, bucket 1.9m3 class with teeth	2 units
7.	Wheel Excavator	110HP, bucket 0.4m3 (heap) class	3 units
8.	Tractor	110MP with 3.0ton trailer	6 units
9.	Vibration Roller	8ton class	6 units
10.	Fuel Truck	8.000 liters	2 units
11.	Lowbed Tractor • 1	Frailer payload 32ton	2 units
12.	Water Pump	lift head 5m. 5inchs, diesel	8 units
13.	Mobile Workshop	Equipped with generator, glinder, etc.	1 unit
In	addition:		

- Spare parts of the above equipment and vehicle



Mushing

⁻ Spare parts for existing equipment procured through Japan Grant Aid

- Annex 3 Necessary measures to be taken by the Government of the Republic of Uganda in case Japan's Grant Aid is executed
 - 1. To provide data and information necessary for the implementation of the Project.
 - 2. To ensure prompt unloading, tax exemption, customs clearance at place of disembarkation in Uganda and prompt internal transportation of the items purchased under the Grant Aid.
 - 3. To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement (B/A).
 - 1) Advising commission for the Authorization to Pay
 - 2) Commission for the Payment
 - 4. To exempt Japanese nationals involved in the Project from custom duties, internal taxes and other fiscal levies which may be imposed in the Republic of Uganda with respect to the supply of the products and services under the verified contracts.
 - 5. To accord Japanese Nationals whose services may be required in connection with the supply of products and the services under the verified contract such facilities as may be necessary for their entry into the Republic of Uganda and stay therein for the performance of their work.
 - 6. To bear all the expenses other than those to be borne by the Grant, necessary for the construction of the facilities as well as for the transportation and the installation of the equipment.
 - 7. To ensure the necessary budget and personnel for the proper and effective implementation of the Project, including operation and maintenance of the equipment under the Grant Aid.

2___

MINUTES OF DISCUSSION BASIC DESIGN STUDY FOR ROAD MAINTENANCE IN THE REPUBLIC OF UGANDA (CONSULTATION ON DRAFT REPORT)

In September 1992, the Japan International Cooperation
Agency (JICA) dispatched a Basic Design Study team on the
Project for Road Maintenance (hereinafter referred to as
"the Project") to the republic of Uganda, and through discussion,
field surveys and technical examination of the results in Japan,
has prepared the draft report of the study.

In order to explain and consult the Uganda side on the components of the draft report, JICA sent to Uganda a study team, which was headed by Mr. Kimio Chiba, Road Maintenance Planner and Project Manager of the Consultant Team, Construction Project Consultants, Inc., and was scheduled to stay in the country from November 24 to December 8, 1992.

As a result of discussion, both parties hereby confirm the main items described on the attached sheets.

Entebbe, December 2, 1992

Mr. Kimio Chiba Project Manager Consultant Team

JICA

Eng. H.R. Kibuuka

Engineer-in-Chief/Secretary

for Works

Ministry of Works, Transport and

Communications

Annex - 1 List of equipment requested by the Government of Uganda

No.	Item	Description	Qit	ĽУ
1.	Tipper Truck	8 ton	10	Units
2.	Water Truck	6,000 litres complete with	1.	Unit
		pump and accessories		
3.	Pick-up	4x4, 2,500 cc diesel,	8	Units
		single cab		
4.	Motor Grader	Minimum 135HP, blade 3.70 m	4	Units
	4	class		
5.	Crawler Loader	Minimum 110 HP, bucket 1.5m ³	2	Units
		class with teeth, 3 shank		
		ripper		
6.	Wheel Loader	Minimum 130 HP, bucket	2	Units
		1.9m ³ class with teeth		. •
7.	Wheel Excavator	Minimum 110 HP, bucket 0.4m ³	3	Units
		(heap) class		
8.	Tractor	4 WD, Minimum 90 HP, with	6	Units
		3.0 ton trailer		
9.	Vibration Roller	8 ton class		Units
10.	Fuel truck	8,000 litres	2	Units
11.	Lowbed Tractor-	Payload 32 ton	2	Units
	Trailer			
12.	Water Pump	Lift head 5m, 3 inch, diesel	8	Units
13.	Mobile Workshop	Equipped with generator,	1	Unit
		glinder, etc		

In Addition:

- Spare parts of a 20% of the total amount of the above equipment and vehicles.
- Spare parts for existing equipment procured through Japan Grant Aid.





- Annex 2 Necessary measures to be taken by the Government of the Republic of Uganda in case Japan's Grant Aid is executed
- 1. To provide data and information necessary for the implementation of the Project.
- 2. To ensure prompt unloading, tax exemption, customs clearance at place of disembarkation in Uganda and propmpt internal transportation of the items purchased under the Grant Aid.
- 3. To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement (B/A).
 - 1) Advising commission for the Authorisation to Pay (A/P)
 - 2) Commission for the Payment
- 4. To exempt Japanese Nationals involved in the Project from custom duties, internal taxes and other fiscal levies which may be imposed in the Republic of uganda with respect to the supply of the products and services under the verified contracts.
- 5. To accord Japanese Nationals whose services may be required in connection with the supply of products and the services under the verified contract such facilities as may be necessary for their entry into the republic of uganda and stay therein for the performance of their work.
- 6. To bear all the expenses other than those to be borne by the Grant, necessary for the construction of the facilities if any as well as for the transportation and the installation of the equipment.
- 7. To ensure the necessary budget and personnel for the proper effective implementation of the Project, including operation and maintenance of the equipment under the Grant Aid.



APPENDIX 4 List of the Relevant Officials

Survey for Basic Design Study

1. Ministry of Works, Transport and Communication, MOWTC

1.1 Headquarters

Dr. Ruhakana Rugunda Minister Engineer-in-Chief/Secretary of Works Robert Kibuuka Commissioner for Works (Technical) L. Lutaaya Commissioner for Works (Development) J. G. Mwedde G. W. Okurut Chief Mechanical Engineer J. B. Mutabazi Chief Training Engineer Chief Road Maintenance Engineer W. E. Musumba B. S. Kimeze Senior Executive Engineer (Road) Chief Design and Documentation Engineer A. O. Mugisa Senior Executive Engineer (Mechanical) F. B. Lukoma J. Matovu Public Relations Officer

1.2 Central Mechanical Workshop (CMW)
Inventory System of Spare Parts
Mechanical Shops

Joseph Ngatuna

C. Mike Oyat

- 1.3 Up-country Offices
 - (1) Masaka District Office
 Executive Engineer
 Mechanical Supervisor

Appollo Karahukayo Nicholas Gamukama

(2) Mbarara District Office
Executive Engineer
Charge Hand

Fred Kagoda Lddie Byamanywoha

(3) Kasese District Office
Office in Charge

Peter Sebuliba

(4) Fort Portal Area Office

1) Area Mechanical Engineer

Twezire Richard

2) G.T.Z Feeder Road Maintenance Project (MOLG Project) Counterpart, Site Manager

Counterpart, Site Manager
Counterpart, Workshop Manager

Robert M. Kajura Musisi Richard

(5) Jinja District Office
Executive Engineer

Opiyo Olanya

2. MOLG Jinja District Administrative Office

Acting Chief Engineer
Engineering Consultant
Unit Manager

Karuma Kagyina Wassamyi Serukenya Denis Rousseau

3. Embassy of Japan in Kenya First Secretary First Secretary

Shigeru Takahara Takashi Ariyasu

4. JICA Kenya Office

Resident Representative
Assistant Resident Representative

Masaru Morimoto Shinji Shibata

Explanation and Discussion on Draft Final Report

1. Ministry of Works, Transport and Communication, MOWTC

1.1 Headquarters

Engineer-in-Chief/Secretary of Works Robert Kibuuka Commissioner for Works (Technical) L. Lutaaya Commissioner for Works (Development) J. G. Mwedde Chief Mechanical Engineer G. W. Okurut Chief Training Engineer J. B. Mutabazi Chief Road Maintenance Engineer W. E. Musumba Senior Executive Engineer (Road) B. S. Kimeze Senior Executive Engineer (Mechanical) R. N. Kiiza

1.2 Up-country Offices

(1) Lira District Office
Officer-in-charge Odongo
Engineering Assistant (Road) O. Felix
Engineering Assistant (Road) M. Francis
Inspector of Works (Mechanical) S.Y. Latigo

Embassy of Japan in Kenya First Secretary

Shigeru Takahara

3. JICA Kenya Office Assistant Resident Representative

Shinji Shibata

APPENDIX 5 Equipment List of Japan's Grant Aid in 1985 and 1987

	SCRA										×	×	×	×			
STATUS	AVAILABLE	×	×	×	×	×	×	*	×	×					×	×	
						:		÷			OKKSHOPS	ORKSHOPS			:-		4
LOCATION		KAMPALA	ENTEBEE	MBARARA	MBARARA	KASESE	LIRA	SUKOTI	MBALE	HOIMA	Central WOKKSHOPS	CENTRAL WORKSHOPS	ARDA	HOIMA	KAMPALA	KASESE	FORTPORT
HMR		3721	4492	4672		4056	3506	4509	2017	4050	VO.			m	3101	985	2015
SERIAL HAR	2	10068	10071	10081	10072	10070	10069	10080	10081	10067	500016	50017	50015	500018	80346	80350	80345
							-										, , .
MAKE		GD511A	95 5	a. +	Ŧ	<u>.</u>	<u>.</u>	•	Bor Ber	a	MG 350R	## #=	•-	₩	ב 35 17	e e	
TYPE		Komatsu/Grad	=	2		:	<u>:</u>	=	=	:	Mitsubishi Grader	2	Byses dest	## *1	Komatsu Traxcavetor	**************************************	
REG. NO.		. 1	UW 0963	UW 1182	UW 0593	UW 0171	UW 1079	UW 1096	UW 1095	1	1	1	t	1	1	1	UW 0959
工型型組		, <u>-</u>	o.	m	4	ທໍ	. ° 9	7.	ထိ	ด้	.01	t- 0	12.	13.	14.	ī	16.

	4.												·					,		
	SCRAP							×	×		×	*	×		×	×				
Ē	AVAI-	•	×	×	×	×	×		:	×				×			×	×	×	
		SOROTI	KAMPALA	HOIMA	HOIMA	MBAÉARA	MASAKA	MBARARA	HOIMA	GULU	нотма	MBARARA	MBARARA	MBALE	MASINDI	HOIMA	HOIMA	MBARARA	KAMPALA	
	T.R LOCATION	1120	1834	1872	2561	1353	225,380	203,417	178,400	231,518	222,010	218,001	233, 415	262,018	192,112	200, 190	221,218	247,301	253,822	
	STITTE NO.	85348	80351	60349	60344	65547	500442	000251	500209	500130	500249	500198	500245	500193	500242	500234	500191	500230	500243	
1	五宝沙江	D53517	z	=	r.	±	FL 5 15	τ	=	=	Z	2	dia br	=	<u>=</u>	das S.	Big Dri	*	. =	
1	<u> </u>	Kometsu		Dry ge	•	2	Fig. to the only	ત 1 1 1 1 1	*	=	=	=	Ξ	**	-		*	Osi gas	2	
	REG. NO.	1	•	1	1	i	uw 0395	UW 0401	UW 0403	UW 0404	UW 0405'	UW 0408	UW 0413	UW 0393	UW 0396 .	UW 0434	UW 0402	UW 0402	UW 0407	4
			ය) ლ	<u>0</u>	20°	21.	22,	23.	24.	25.	26,	27.	28.	20	30.	W 1.	32.	33.	34.	

STATUS	AVAI- LABLE SCRAP	!	े। 	×	· · ·	×	×
•	LOCATION	MBALE	HOIMA	F/PORTAL	MBARARA	guru	KITGUM
1.	HIM	242,977	198,716	248,916	262,171	252, 192	249,978
	SERIAL NO.	500192	500193	500 207	500244	500238	500326
1	MAKE	FM 515	Or an	÷	F	t t	žer —
i	TALE	Mitsubish:	다 # 12 14 14 14	.	z	Ξ	E
	REG. NO.	79 60 WU	UW 0410	UW 0411	UW 0412	UW 0391	UW 0386
	TTEM	35.	36.	37.		.65	40.

																٠				
	·												,							
SCRAP											×		×				×	×	×	×
STATUS AVAILABLE	×		×	×	×	×	×	×	×	×		×		×	×	×			:	
LOCATION	KAMPALA		MBALE	MBALE	SOROTI	MASAKA	SORORI	ENTEBBE	SORORI	KABALE	KASESE	KASESE	HOIMA	MOYO	MUBENDE	TORORO	ARUA	MBARARA	GULU	GULU
HMH	256,192		267,211	262,123	243,177	251,013	241,192	272,181	252,192	261,099	221,011	248,881	198,203	200,191	232,145	242,518				
SERIAL NO	500239		500196	500189	500206	500442	500188	500194	500208	500295	500240	500210	50018 6	500237	500228	500266	500187	500200	500241	500246
MAKE	FM 515		⊊	=	: ::	den den	*	=_	es gr	#	E	***	=	=	2	, doc gas	Çar Çar	gsn gei	5	=
TYPE	Mitsubishi	Tipper		=	. 	=	Ξ	. =	#	E	=	=	=	=	#	<u>=</u>	ter ter	=	X.	=
ITEM REG. NO	UW 0388		0820 MA	UW 0392	4650 WU	CW 0395	UW 0398	UW 0415	UM 0433	UW 0435	0436	UW 0437	0439 UM 0439	0440 MD	1440 MM	UN 0442	UW 0399	7950 WU	UW 0385	UW 0387
TTEM	7		745	43	1	τ ,	45	47	1 α	64	00	51	52	53	74	55	25	52	Σ	59
									Ā	-21							•	· · · · · · · · · · · · · · · · · · ·		

SCRAP	×	×					ķ
STATUS AVAILABLE	•		×	×	×	×	
LOCATION	ENTEBBE	LIRA		CENTRAL/W	AIRPORT.	ENTERBE	HOIMA
HMR			258,819	271,010	269,014	269,014	2//5,145
SERIAL NO.	500248	500197	50022./	500229	500251	500230	500228
MAKE	=	E	=	=	<u>.</u>	= .	<i>a</i> a •••
TYPE	#	Ε	CARGO TRUCKS	≈ ←	ŧ		<u> </u>
REG. NO	UW 0391	UW 0438	UW 0416	UW 0412	9140 WD	UW 0420	UW 0418
ITEM	- 09	61	62	63	, 40	65	99

						<u>.</u>		٠										٠.					1	agraeini Hariye	
STATUS	Available	**	ĸ	₹.₩	*	* X	STOLEN	×	×	STOLEN	· ×	*		xx _{ver} x	. *	· ×	×	*:	×	*	×	N. S. C.		×	
当の当時	295,485	301,221	322,176	341,122	299,870	. 1		1	1	i i	3	t	331,276	309921 341,409	357,552	340,758	361,128	352,003	349,455	•		•	299,015	を できる 「 かん ない 」 「 かん ない 」 「 かん ない 」 「 かん ない こ	
SERIAL NO. LOCATION	-ENTEBBE	CENTRALÍW	F/PORTAL	CENTRAL/W	MBALE	CENTRAL/W	SOROTI	ENTEBBE		HOIMA	MBALE	AIRFORT	MASINDI	CENTRAL/W ENTEBBE	GAYAZA/R	. •	ENTEBBE	MBALE	HOIMA		ENTEBBE	SOROTI	MUBENDE	CENTRAL/W	MBARARA
SERIAL N	400507	400202	400198	400208	400212	400201	400504	400211	4 15 19	661007	400205	400212	00123	00120	00132	00121	.00125	00119	00128	15100	00132	00130	00127	00122	
MAKE	L049G VN3R	u	Ξ	E	E	LO49CUNSR	Ξ	=	ges leve	=	Ξ.	=	K14TUNSR	, = =	5	E.	\$ *	=	=	:	= .	# x			
TYPE	Mitsubishi Pajero	· •	=	==		=	=	ż	dan Dir	. =		***	Mitsubish1 P/U	= =	=	=	=	= ,	=	==	Ξ.				
ASG.NO.	UW 0422	UW 0421	UW 0429	UW 0469	UW 0495	UW 0423	JW 0424	JW 0425	JW 0426			UW 0495		JÅ 0379 JW 0383		UW 0251	UW 0378	. UW 0381	0% 0382	J# -0371	JW 0374	UN 0377	UW 0372	UW 0470 UW 0380	đ
MEGIT	200	• 0 0	• 00 •	70.	71.	72.	73.	74.	75.	76.	77.	73.	.62		32.	33.	34.	85.	36	37.	99	. 600	. 80	92.	

SCRAP	. × <u>.</u>			· ×	× ×
STATUS		**************************************	* *	x x ' x	1 1
	231, 208	1,220	117	1,218	1 01
LOCATION	TORORO KAMPALA	ARUA	MBARARA	MBARARA F/PORTAL CENTRAL/W MASAKA	KW30M-20881 CENTRAL/W 51X05754 HOIMA
SERIAL NO. LOCATION	00004	5266	5278	5273 5275 5272 5274	KW30M-2088
MAKE	K14 PUNSR . CKA51 BT	FL150	=	E E E E	JL230E
TYPE	Mitsubishi Nissan Low Loader	Furukawa #heel Loader	Furukawa/W.L.	= = =	fadano Mobile Crane Caterpillar Bull Dozzer
REG. NO.	U# 0584 UW 0400	UW 0451	UM 0448	UW 0449 UM 0452 UW 0447 UW 0450	UM 0459 UM 0450
퇴근	93.	95,	96•	97. 93.	101

4	u,
•	-
Į	Ε.
	4
1	=
4	V,

							-								_				
SCRAP			×	×			×	×		CAL GOVERNMENT		•		×	٠.		CAL GOVERNMENT		
X.VAIDABLE	*	×			×	×			×	MINISTRY OF LO	=	×	×		×	×	MINISTRY OF LO	2	=
<u>%</u>	MBARARA	MASINDI	HOIMA	HOIMA	KAMPALA	TORORO	GULU	KAMPALA	M.O.L.GOVERNMEKT	M.O.L.GOVERNYENT	£	FORTPORTAL	ARUA	SOROTI	KAMPALA	MBALE	M.O.L.GOVERNMENT	KAMPALA	KAMPALA
SERIAL NO.	31728	31725	31731	31733	31/26	31719	31734	31725	31727	31721	31732	31715	31718	31717	31730	31720	31724	31/16	31722
MAKE SV 10	3V 40		=	7	=	=	: #	-	· :		300 9-1	ŧ	*	<u>**</u>	Ē	E	Ξ.	2	Şar Ba
		Ē	=	=	=	E	Ē	ger den	ź	.	=	· =	. E	.	·	##* ##	5	=	=
REG, NO	CDP 3152	CDP 3153	CDP 3154	CDP 3156	CDP 3157	CDP 3158	CDP 3159	CDP 3160	1915 gas	CDP 3162	CDP 3163	CDP 3164	CDP 5165	CDP 3166	CDP 3167	CDP 3168	CDP 3169	CDP 3170	CDP 317.1
ITEM 103	•	105	106	107	108	109	110	111	112	315	134	115	116	117	118	119	120	121	122
	SAKAI ROLLER SV 10 31729 MASAKA	SAKAI ROLLERS SV 10 31729 MASAKA x SKAI ROLLERS SV 40 31728 MBARARA x	SAKAI ROLLER SV 10 31729 MASAKA SKAI ROLLERS SV 40 31725 MBARARA x MBARARA x 11 31725 MASINDI x	STRE MAKE SERIAL NO. LOGATION AVAIDABLE SAKAI ROLLER SV 10 31729 MASAKA X SKAI ROLLERS SV 40 31725 MBARARA X 11 11 31725 MASINDI X 4 11 31731 HOIMA X	STRE MAKE SERIAL NO. LOGATION AVAILABLE SAKAI ROLLER SV 10 31729 MASAKA X SKAI ROLLERS SV 40 31725 MBARARA X 11 11 31725 MASINDI X 11 11 31731 HOIMA X 12 11 11 31733 HOIMA	STRE MAKE SERIAL NO. LOGATION AVAILABLE SAKAI ROLLER SV 10 31729 MASAKA X SKAI ROLLERS SV 40 31725 MBARARA X 1 " 31725 MASINDI X 1 " 31731 HOIMA X 2 " " 31725 HOIMA X 3 " " 31725 HOIMA X	SERIAL NO. LUGÀTION AVAILABLE SAKAI ROLLER SV 10 31729 MASAKA SKAI ROLLERS SV 40 31725 MBARARA x III II 31725 MASINDI x III II 31731 HOIMA III II 31735 HOIMA III II 31726 KAMPALA III II 31726 X	STRE MAKE SERIAL NO. LOCATION ATAILABLE SAKAI ROLLERS SV 40 31729 MASAKA X III II 31725 MBARARA X III II 31725 MASINDI X III II 31725 HOIMA X III II 31725 HOIMA X III II 31726 KAMPALA X III III III X	STATE NAME SERIAL NO. LOGATION AVAILABLE SAKAI ROLLER SV 10 31729 MASAKA X SKAI ROLLERS SV 40 31728 MBARARA X 1 11 31725 MASINDI X 1 11 31731 HOIMA X 2 11 11 31735 HOIMA X 3 11 11 31726 KAMPALA X 3 11 11 31724 GULU X 3 11 11 31725 KAMPALA X	SAKAI ROLLER SVAID SERIAL NO. LJOĞTION XYAILABLE SAKAI ROLLERS SV 40 31729 MASAKA X SKAI ROLLERS SV 40 31725 MBARARA X 1 11 31725 MASINDI X 2 11 11 31735 HOIMA X 3 11 31726 KAMPALA X 3 11 11 31726 KAMPALA X 3 11 11 31725 KAMPALA X 3 11 31725 KAMPALA X 3 11 31725 KAMPALA X 3 11 11 31725 KAMPALA X	SAKAI ROLLER SV 40 31729 MASAKA AVAILABLE SKAI ROLLERS SV 40 31729 MASAKA X SKAI ROLLERS SV 40 31725 MASINDI X 1 1 31725 MASINDI X 1 1 31725 HOIMA X 2 1 1 31726 KAMPALA X 3 1 1 31726 MAOLL.GOVERNMENT X 4 1 1 31727 MAOLL.GOVERNMENT MINISTRY OF LOCAI 5 1 1 1 31727 MAOLL.GOVERNMENT MINISTRY OF LOCAI	SAKAI ROLLER SAKAI ROLLER SV 10 31729 MASAKA SKAI ROLLERS SV 40 31728 MASAKA H II II MASARA II II 31725 MASARA II II 31725 MASINDI II II 31731 HOIMA II II 31726 KAMPALA II II II II II II II II II II II II	SAKAI ROLLER SERIAL NO. LJOĞTION SAKAI ROLLERS SV 40 31729 MASAKA SKAI ROLLERS SV 40 31725 MASINDI 1 " 31725 MASINDI 1 " 31731 HOIMA 2 " 31735 HOIMA 3 " 31725 KAMPALA 3 " 31725 KAMPALA 3 " 31725 KAMPALA 3 " 31725 KAMPALA 3 " " " " 4 " " 31725 " " 5 " " " "<	REG, NO STRE MAKE SERIAL NO. LOGITION CDP 3156 SAKAI ROLLER SV 10 31729 MASAKA CDP 3152 " 31725 MASINDI CDP 3153 " 31725 MASINDI CDP 3154 " 31725 MASINDI CDP 3156 " 31735 HOIMA CDP 3157 " 31726 KAMPALA CDP 3159 " 31725 KAMPALA CDP 3159 " 31725 KAMPALA CDP 3150 " 31725 KAMPALA CDP 3151 " 31725 KAMPALA CDP 3151 " 31725 KAMPALA CDP 3151 " 31725 M.O.L.GOVERNYENT CDP 3153 " 31732 " " CDP 3164 " 31732 " " " CDP 3165 " " 31732 " " CDP 3164 " 31732 " <	REG4, NO SERIAL NO. LOGATION AMASAKA CDP 3156 SAKAI ROLLER SV 10 31729 MASAKA CDP 3152 SKAI ROLLERS SV 40 31729 MASAKA CDP 3153 " 31725 MASINDI CDP 3154 " 31725 MASINDI CDP 3156 " 31733 HOLMA CDP 3156 " 31726 KAMPALA CDP 3157 " 31726 KAMPALA CDP 3159 " 31725 KAMPALA CDP 3150 " 31725 KAMPALA CDP 3161 " 31725 M.O.L.GOVERNYENT CDP 3162 " 31721 M.O.L.GOVERNYENT CDP 3165 " 31721 M.O.L.GOVERNYENT CDP 3165 " 31718 FORTPORTAL CDP 3165 " 31718 ARUA CDP 3166 " 31718 SOROTI	REGA, NO SERIAL NO. LOGATION AMAGRA CDP 3156 SAKAI ROLLERS SV 10 31729 MASAKA CDP 3152 SKAI ROLLERS SV 10 31729 MASAKA CDP 3153 " 31725 MASINDI CDP 3154 " 31725 MASINDI CDP 3156 " 31734 HOLMA CDP 3156 " 31726 KAMPALA CDP 3156 " 31726 KAMPALA CDP 3156 " 31726 KAMPALA CDP 3157 " 31726 M.O.L.GOVERNWENT CDP 3157 " 31725 M.O.L.GOVERNWENT CDP 3156 " 31725 M.O.L.GOVERNWENT CDP 3165 " 31726 M.O.L.GOVERNWENT CDP 3165 " 31736 KAMPALA CDP 3166 " 31718 ARUA CDP 3166 " 31718 ARUA CDP 3167 " 31771 SOROTI	REG1, NO SEXEL NO. LUGNITION LUGNITION CDP 3156 SAKAI ROLLERS SV 40 31729 MASAKA CDP 3152 SKAI ROLLERS SV 40 31725 MASAKA CDP 3153 " 31725 MASARA CDP 3154 " 31725 MASINDI CDP 3154 " 31725 MASINDI CDP 3157 " 31725 HOIMA CDP 3157 " 31725 HOIMA CDP 3159 " 31725 KAMPALA CDP 3150 " 31725 MADIA CDP 3160 " 31725 MADIA CDP 3161 " 31725 MADIA CDP 3162 " 31725 MADIA CDP 3163 " 31718 ARUA CDP 3165 " 31718 ARUA CDP 3165 " 31770 MADIA CDP 3167 " 31720 MADIA	RESG, NO SERIAL NO.LIGATION MASAKA CDP 3155 SAKAI SOLLER SV 10 31729 MASAKA CDP 3152 SKAI SOLLER SV 40 31729 MASAKA CDP 3152 " 31725 MASAKA CDP 3153 " 31725 MASINDI CDP 3154 " 31725 MASINDI CDP 3156 " 31725 HOIMA CDP 3157 " 31725 HOIMA CDP 3158 " 31725 KAMPALA CDP 3150 " 31725 KAMPALA CDP 3165 " 31725 MOLL GOVERNIENT CDP 3165 " 31725 MOLL GOVERNIENT CDP 3165 " 31725 MOLL GOVERNIENT CDP 3165 " 31726 MOLL GOVERNIENT CDP 3165 " 31716 SOROTI CDP 3165 " 31726 MARALE CDP 3168 " 31720 MARALE CDP 3169	REGI, NO STAPE MAKEA SERIAL NO. LOOKIION ANSAKA CDP 3152 SKAI ROLLERS SV 40 31729 MASINDI MASINDI CDP 3152 " 31729 MASINDI MASINDI CDP 3153 " 31725 MASINDI CDP 3154 " 31725 MASINDI CDP 3156 " 31733 HOLMA CDP 3156 " 31735 HOLMA CDP 3156 " 31726 KAMPALA CDP 3159 " 31725 MOLL GOVERNMENT CDP 3160 " 31726 MOLL GOVERNMENT CDP 3161 " 31727 MOLL GOVERNMENT CDP 3165 " 31726 MOLL GOVERNMENT CDP 3166 " 31727 SOROTI CDP 3165 " 31726 MARALA CDP 3166 " 31720 MARALA CDP 3166 " 31720 MARALA CDP 3169 " 31720 <t< td=""></t<>

		AVAILABLE	SCRAP
SAKAI SV 40 30604	MBALE	×	
11 30621	KANDALA	×	
30605	HOIMA		×
11 30620	MBARARA	×	
11 30510	MOYO		×
" 30519	KITGUM	٠×	

Northern Uganda Reconstruction Programme APPENDIX 6 - Project Cost Estimates -

PROJECT COST ESTIMATES BY SECTOR

•		US \$ Million			
Sector	Local	Foreign	Total	% of Tota	
1. Agriculture	1.75	3.30	5.05	6.0	
2. Community Action	Program a/ 2.13	4,12	6.25	7.5	
3. Education and Train		6.46	10.21	12.2	
4. Feeder Roads b/	2.76	5.94	8.70	10.4	
5. Highways	5.18	20.39	25.57	30.5	
6. Telecommunication	1.61	10.21	11.82	14.1	
7. Urban	1.73	5.16	6.89	8.2	
8. Water Supply and S	anitation 1.35	: 4.21	5.56	6.6	
9. Project Administrat		0.67	2.30	2.7	
10. Project Preparation		1.08	1.50	1.8	
BASE COST (1-10) (Jan.'92) 22.31	61.54	83.85	100.0	
11. Contingencies:				e e	
a. Physical	1.47	4.91	6.38		
b. Price	2.24	5.72	7.96		
Sub-Total (11)	3.71	10.63	14.34		
	COST (1-11) c/26.02	72.17	98.19		

Notes:

Wholly grant financed by the Government of the Netherlands Wholly grant financed by DANIDA

Includes taxes and duties estimated at \$2.26 million equivalent

FINANCING

	US\$ Million			Percent	
	Local	Foreign	Total	of Total	
IDA	10.40	60.77	71.17	72.5	
Government of Uganda	10.06*	<u>.</u>	10.06*	10.3	
Government of the Netherlands	2.22	4.22	6.44	6.6	
DANIDA	3.34	7.18	10.52	10.7	
Total	26.02*	72.17	98.19*	100.0	

s Includes taxes and duties estimated at \$2.26 million equivalent

