K K
$ \begin{array}{c} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$
CAPITAL 2824 2244.71 244.71 24

~	S % CBENEFITS)	0 0 0 0 0 0 0 0 0 0 0 0 0 0
5. 1.000 Z4	UNT RATE -	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
< UNIT	E BY DISCO % BENEFITS>	28 28 28 28 28 28 28 28 28 28
	WORTH VALU	20 20 20 20 20 20 20 20 20 20
INYAMATUMWA	- PRESENT % BENEFITS)	60000000000000000000000000000000000000
II-1-6 CHI	(COST) 1	2,22,421,70 2,541,700,70 2,541,700,700,700,700,700,700,700,700,700,70
ENEFITS ~	RETURN	
COST AND BE	BENEFLTS	
2) PROJECT	TOTAL	
ABLE H-26(COLECT COST-	
	CAPITAL	20000000000000000000000000000000000000
	YEAR	40 2023 40 2003 40

	M1003458388888754588282848666828282828288288288288288288288288288
	00%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1 000 2\$ 17 RATE 17 COST) (13.000000000000000000000000000000000000
E BY DISCOUN K	440840878848478887888788878888888888888
WORTH VALU	1212 2212
PRESENT 2 PRESENT 2 PRESENT 2 PRESENT	00074770777777777777777777777777777777
(COST)	4,4 8,0 8,0 8,0 8,0 8,0 8,0 8,0 8,0 8,0 8,0
RETURN	11 84 94 989 989 989 989 989 989 989 989 9
BENEFITS	<pre></pre>
TOTAL	2555 255 255 255 255 255 255 255 255 25
ROJECT COST-	00000000000000000000000000000000000000
CAPITAL	00000000000000000000000000000000000000
YEAR	L 76572 W 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

	NEFLTS	0.00 0.00	
000 Z\$	RATE 5 % (COST) (BE	1 1 1 1 1 1 1 1 1 1 1 1 1 1	
T : LINN >	BY DISCOUNT BENEFITS)	28 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20	
	WORTH VALUE	647 647 647 647 647 647 647 647	
MUNJANGANJA	PRESENT BENEFITS)	4 5000 500 500 500 500 500 500 5	(5%)
V-4-10	(COST) 1 %	16730.80 16730.80 16730.80 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.912 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 171.65 00.922 172.05 00.772 172.05 00.772 172.05 00.775	3%), 0.42
NEFITS . I	RETURN -	1 1 1 1 1 1 1 1 1 1 1 1 1 1	%), 1.13 (
COST AND BE	BENEFITS	20000000000000000000000000000000000000	= 1.57 (1 = 3.8 %
) PROJECT	TOTAL	222 222 222 222 222 222 222 222 222 22	RATE (B/C)
\BLE H-26(4	JLECT COST 0 & M	000000000000000000000000000000000000000	JY DISCOUNT
TA	AP11	00000000000000000000000000000000000000	COST RATIO B RATE OF RET
	EAR	To 2022 To	BENEFIT C

<u>^</u>	%	8 8 8 8 8 8 8 8 8 8 8 8 8 8	
1 000 2\$	T RATE	146000000000000000000000000000000000000	
: TINU)	BY DISCOUN BENEFITS)	60000000000000000000000000000000000000	:
	RTH VALUE	2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	PRESENT WO	8,11,11,12,50,50,50,50,50,50,50,50,50,50,50,50,50,	(%)
-3-3 MAGUDU			1-1 1-1
NEFLTS . V-	RETURN		
COST AND BEN	BENEFITS	<pre>> </pre>	5.8 %
) PROJECT	TOTAL		
ABLE H-26(5	ROJECT COST- O & M		CRN -
		73% 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RATE OF
	YEAR	1988 1988 1988 1988 1988 1988 1988 1988	INTERNAL

·		90NN & ON THIS MOST AND A MOST
0	X BENEFITS	4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 000 2\$	NT RATE	242 272 272 272 272 272 272 272
: LIND)	HE BY DISCOU % (BENEFITS)	2200783 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 200785 20078
	WORTH VALU (COST)	2782 2782 2782 2782 2782 2782 2782 2782
	RESENT %	2000 200 2000 2
- - - -	(COST)	44888888888888888888888888888888888888
	RETURN	11 04 04 04 04 04 04 04 04 04 04 04 04 04
	BENEFITS	00000000000000000000000000000000000000
	TOTAL	255 262 265 265 265 265 265 265 265 265
	COLECT COST-	00444448888888888888888888888888888888
	CAPITAL	20000000000000000000000000000000000000
	YEAR	424 425 425 425 425 425 425 425

Projects
Dam
Size
Medíum
но Чон
Costs
Water
H-27
Table

Z\$/year	VII-1-12	298 000m ³	$49.32 \times 106 m^{-3}$	5 971	2 849	8 820	0.18	4 207	1 995	6 202	0.13	631 000m ³	61.99×106m3	6 658	3 150	9 808	0.16	6 202	733	6 935	0.11	329	284	asis. cost).
thousandZ\$ ** Z	V-3-3 V	1 012 000m ³ 1	38.46×10^{6m3} 49.	4 220	306	4 526	0.12	2 645	219	2 864	0.07	1 272 000m ³ 1	$48.34 \times 106m^3$ 61.	4 541	310	4 851	0.10	2 846	177	3 041	0.06	233	193	ent cost b (economíc
unit: *	1V-4-10	659 000m ³	25.04×106m ³ 3	3 839	381	4 220	0.17	2 436	273	2 709	0.19	861 000m ³	32.72×106m3 4	4 192	384	4 576	0.14	2 710	136	2 846	0.09	333	266	on a
Size Dam Projects	II-2-1	313 000m ³	11.89×10^{6m3}	3 168	209	3 377	0.28	2 084	149	2 233	0.19	431 000m ³	16.38×10^{6m3}	3 334	211	3 545	0.22	2 236	86	2 322	0.14	585	435	ranges 2\$0.12~0.17
for Medium	9-1-II	642 000m ³	24.40×10^{6m3}	4 407	1 260	5 667	0.23	3 139	949	4 088	0.17	811 000m ³	$30.82 \times 106m^3$	4 759	1 375	6 134	0.20	4 092	330	4 422	0.14	430	364	schemes
27 Water Costs	I-2-1	757 000m ³	28.77×106m3	4 349	1 031	5 380	*** 0.19	2 749	737	3 486	0.12	1 114 000m ³	42.33×106m3	4 883	1 037	5 920	*** 0.14	3 490	280	3 770	0.09	16E ****	**** 282	small irrig
Table H-27	Site No.	Reservoir Yield (10% risk)	Total Yield during Project Life	Project Cost (Without Price Esc.*)	O.M. Cost & Replacement*	Total Cost during Project Life*	Financial Cost for Water Z\$/m3	Economic Project Cost*	Economic O.M. Cost etc.*	Total Economic Cost*	Economic Cost for Water 2\$/m ³	Reservoir Yield (20% risk)	Total Yield during Project Life	Project Cost (Without Price Esc.*)	0.M. Cost & Replacement*	Total Cost during Project Life*	Financial Cost for Water 2\$/m3	Economic Project Cost*	Economic O.M. Cost etc.*	Total Economíc Cost*	Economic Cost for Water Z\$/m3	Financial Cost per Plotholder**at 10%	Ditto	*** Water Cost for the existing

Table H-28 PROJECT COST(under 20% risk) (unit:1,000z\$)

	Total				1 949	1 542		·	3 491		2 035	·		5 526	527		` <u> </u>	6 053	605		6 658	1 131			7 720
MABVUTE (WL-1-12)	T/C	·			843	189		•	I 032		1 042			2 074	317	•		2 391	239		2 630	1 131 1		•.	. 172 2
	F/C				1 106	1 353			2 459		993			3 452	210			3 662	366		4 028	ł			000 7
	Total				I- 79I	590			2-381	•	1 294			3 675	453		- 	4 128	413		4 54I	964			000
MAGUDU (V-3-3)	0/1				831	290			1 121		199			1 782	256			2 038	204		2 242	964			200 0
 	<u>7/C</u>		<u> </u>	:	960	300			1 260		633			1 893	197			2 090	209		2 299	1			000 0
NJA 0)	Total				2 005	317			2 322		1 027			3 .349	462			3 811	381		4 192	869			120 2
MUNJANGANJA (IV -4-10)	<u>17/0</u>				926	159			1 085		493			1 578	259			I 837	184		2 021	869		;	000 0
×	<u>E/C</u>		P		1 079	158			1 237		534	<u>,</u>		1 771	203			1 974	197		2 171	1			0 1 7 1
	Total				1 976	84			2 060		522			2 582	449			3 031	303	-	3 334	691			200 1
MASHOKO (II-2-1)	<u>r/c</u>				912	41			953		269			1 222	240			1 462	146		1 608	691			
	F/C				1 064	43			1 107		253			1 360	209			1 569	157		I 726	t			202 1
JMWA)	Total				1 734	1 089			2 823		1 026			3 849	477			4 326	433		4 759	813			6 F U - U
CHINYAMATUMWA	<u>1/C</u>				768	152			920		527			1 447	272			1 719	172		1891	813			101 0
GHO	F/C	·			996	937			1 903 I	. :-	499			2 402	205			2 607	261		2 368	1			070 0
AA	Total				2 131	394			2 525		1 407			3 932	507			4 439	444		4 883	TI0 T			0 0 1 E 0 0 0
MUSAVEREMA	<u>1/0</u>				996	196			1 162		694			1 856	280			2 136	214		2 350	I OII			
W	<u>5/c</u>				1 165	198			1 363		713			2 076	227			2 303	230		2 533	1		•	0 600
Describtion		1.Construction	Cost	(A) MEWRD	Dam works	Water	conveyance	works	(Sub-Total)	(B) AGRITEX	Field	Consolidation	works	Total (A+B)	2.Engineering and	Administration	COST	3.Total (1+2)	4.Physical	Contingency (10%)	5.Total (3+4)	6.Price Contingency	(43% of L/C for	3years)	

