Table L-23 Result of Financial and Economic Analysis (K8-28 Zeras)

/1	.000R	l - '

Don't of	F	inancial Analy:	sis	Economic Analysis		
Project	ŅPV	B/C	FIRR	NPV	B/C	ETRR
(1) Construction of check dam	-	•	-	1,465,814	2.15	30.0%
(2) Relocation of houses	-	-	-	740,944	1.49	18.6%
(3) Landslide protection	-		-	-97,106	0.22	#DIV/0!
(4) Soil erosion protection	_	٠ -	<u>.</u>	713,196	1.36	22,4%
(5) Rangeland vegetation improvement		-	. <u>-</u>	616,979	15.24	366.5%
(6) Milk processing and marketing	1,058,918	1.22	56.3%	1,170,970	1.27	62.3%
(7) Rural water supply improvement	-3,111,632	0.03	#DIV/0!	-2,925,091	0.03	#DIV/0!
(8) Rural road improvement	2,744,667	1.74	22.0%	2,580,109	1.74	22.0%
(9) Establishment of cooperative	317,170	1.29	39.0%	563,808	1.74	58.3%
(10) Community enhancement	Intangible	Intangible	Intangible	Intangible	Intangible	Intangible
Total	1,175,328	1.09	14.2%	5,076,950	1.30	18.4%

	able L-23-1 Milk Processing and Marketing (Financial Analysis) (K8-28 Zeras)							(1,000Rls.)		
	Year	Project Cost	O&M Cost	Total Cost	Total Benefit	Net Benefit	Discount Rate	I = 1 Cost	Benefit	N.P.V
1	2002	65,880	. 0	65,880	0	-65,880	0.8929	58,824	0	-58,82
2	2003	65,880	0	65,880	0	-65,880	0.7972	52,520	0	-52,52
}	2004	65,880	0	65,880	0	-65,880	0.7118	46,893	0	-46,89
ļ	2005	65,880	797,460	863,340	1,022,000	158,660	0.6355	548,653	649,481	100,82
5	2006	65,880	797,460	863,340	1,022,000	158,660	0.5674	489,859	579,883	90,02
,	2007	. 0	797,460	797,460	1,022,000	224,540	0.5066	403,993	517,745	113,75
•	2008	0	797,460	797,460	1,022,000	224,540		360,691	462,251	101,50
;	2009	0	797,460	797,460	1,022,000	224,540	0.4039	322,094	412,786	90,69
}	2010	0	797,460	797,460	1,022,000	224,540		287,564	368,533	80,9
0	2011	0	797,460	797,460	1,022,000	224,540	0.3220	256,782	329,084	72,3
1	2012	0	797,460	797,460	1,022,000	224,540	0.2875	229,270	293,825	64,5
2	2013	0	797,460	797,460	1,022,000	224,540		204,708	262,347	57,6
3	2014	0	797,460	797,460	1,022,000	224,540		182,778	234,242	51,40
4	2015	0	797,460	797,460	1,022,000	224,540	and the second s	163,160	209,101	45,9
5	2016	0	797,460	797,460	1,022,000	224,540		145,696	186,719	41,0
Ġ	2017	0	797,460	797,460	1,022,000	224,540		130,066	166,688	36,6
7	2018	. 0	797,460	797,460	1,022,000	224,540		116,110	148,803	32,6
8	2019	0	797,460	797,460	1,022,000	224,540		103,670	132,860	29,1
9	2020	0	797,460	797,460	1,022,000	224,540		92,585	118,654	26,0
0	2021		797,460	797,460	1,022,000	224,540		82,697	105,981	23,2
1	2022		797,460	797,460	1,022,000	224,540		73,845	94,637	20,7
2	2023		797,460	797,460	1,022,000	224,540	and the second s	65,870	84,417	18,5
3	2024		797,460	797,460	1,022,000	224,540		58,853	75,424	16,5
4	2025		797,460	797,460	1,022,000	224,540		52,553	67,350	14,7
5	2026		797,460	797,460	1,022,000	224,540	0.0588	46,891	60,094	13,2
6	2027		797,460	797,460	1,022,000	224,540		41,867	53,655	11,7
7	2028	* _	797,460	797,460	1,022,000	224,540		37,401	47,932	10,5
8	2029		797,460	797,460	1,022,000	224,540		33,414	42,822	9,4
9	2030		797,460	797,460	1,022,000	224,540		29,825	38,223	8,3
0	2031		797,460	797,460	1,022,000	224,540		26,635	34,135	7,5
1	2032		797,460	797,460	1,022,000	224,540		23,764	30,456	6,6
2	2033	1 to 1	797,460	797,460	1,022,000	224,540	and the second s	21,212	27,185	5,9
3	2034	•	797,460	797,460	1,022,000	224,540		18,980	24,324	5,3
4	2035		797,460	797,460	1,022,000	224,540		16,906	21,666	4,7
5	2036		797,460	797,460	1,022,000	224,540		15,072	19,316	4,2
6	2037		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,,,,,	1,022,000	22.,0.0	3.00	13,0,2	27,520	
7	2038				1 1					
8	2039	-	•		***			**		
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17	2048				er esta de la					
8	2049	220.400	OF 510 700	05 040 100	20 704 000	6 055 000	<u> </u>	4.034.004	5 COO 540	1.000.0
		329,400	25,518,720	25,848,120	32,704,000	6,855,880		4,841,701	5,900,619	1,058,91

N.P.V=	1,058,918
B/C=	1.22
FIRR=	56.3%

Table L-23-2 Rural Water Supply Improvemnt (Financial Analysis) (K8-28 Zeras)  [1,000]  [1 = 12%]								(1,000Rls.)		
	Year Project Cost O&M Cost Total Cost Total Benefit Net Benefit									
,							Discount Rate	Cost	Benefit	N.P.V
1	2002	1,003,000	~ 0	1,003,000	0	-1,003,000	0.8929	895,579	0	-895,579
2	2003	1,003,000	0	1,003,000	0	-1,003,000	0.7972	799,592	0	-799,592
3	2004	1,003,000	0	1,003,000	0	-1,003,000	0.7118	713,935	0	-713,935
4	2005	0	137,100	137,100	14,570	-122,530	0.6355	87,127	9,259	-77,868
5	2006	• 0	137,100	137,100	14,570	-122,530	0.5674	77,791	8,267	-69,524
6	2007	, , , 0	137,100	137,100	14,570	-122,530	0.5066	69,455	7,381	-62,074
7	2008	0	137,100	137,100	14,570.	-122,530	0.4523	62,010	6,590	-55,420
8	2009	. 0	137,100	137,100	14,570	-122,530	0.4039	55,375	5,885	-49,490
9	2010	0	137,100	137,100	14,570	-122,530	0.3606	49,438	5,254	-44,184
10	2011	0	137,100	137,100	14,570	-122,530	0.3220	44,146	4,692	-39,454
11	2012	0	137,100	137,100	14,570	-122,530	0.2875	39,416	4,189	-35,227
12	2013	0	137,100	137,100	14,570	-122,530	0.2567	35,194	3,740	-31,454
13	2014	. 0	137,100	137,100	14,570	-122,530	0.2292	31,423	3,339	-28,084
14	2015	0	137,100	137,100	14,570	-122,530	0.2046	28,051	2,981	-25,070
15	2016	0	137,100	137,100	14,570	-122,530	0.1827	25,048	2,662	-22,386
16	2017		137,100	137,100	14,570	-122,530	0.1631	22,361	2,376	-19,985
17	2018	0	137,100	137,100	14,570	-122,530	0.1456	19,962	2,121	-17,841
18	2019	· · · 0	137,100	137,100	14,570	-122,530	0.1300	17,823	1,894	-15,929
19	2020	0	137,100	137,100	14,570	-122,530	0.1161	15,917	1,692	-14,225
20	2021		137,100	137,100	14,570	-122,530	0.1037	14,217	1,511	-12,706
21	2022		137,100	137,100	14,570	-122,530	0.0926	12,695	1,349	-11,346
22	2023	1000	137,100	137,100	14,570	-122,530	0.0826	11,324	1,203	-10,121
23	2024	44	137,100	137,100		-122,530	0.0738	10,118	1,075	-9,043
24	2025		137,100	137,100	14,570	-122,530	0.0659	9,035	960	-8,075
25	2026	4.4.3	137,100	137,100		-122,530	0.0588	8,061	857	-7,204
26	2027		137,100	137,100	14,570	-122,530	0.0525	7,198	765	-6,433
27	2028		137,100	137,100	14,570	-122,530	0.0469	6,430	683	-5,747
28	2029		137,100	137,100	14,570	-122,530	0.0419	5,744	610	-5,134
29	2030	;	137,100	137,100	14,570	-122,530	0.0374	5,128	545	-4,583
30	2031		137,100	137,100	14,570	-122,530	0.0334	4,579	487	-4,092
31	2032		137,100	137,100	14,570	-122,530	0.0298	4,086	434	-3,652
32	2033	-	137,100	137,100	14,570	-122,530	0.0266	3,647	388	-3,259
33	2034		137,100	137,100	*.	-122,530	0.0238	3,263	347	-2,916
34	2035					,		-,		
35	2036		and the state of							
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	· · · · ·	3,009,000	4,113,000	7,122,000	437,100	-6,684,900		3,195,168	83,536	-3,111,632

N.P.V=	-3,111,632
B/C=	0.03
FIRR=	#DIV/0!

	Year Project Cost O&M Cost Total Cost Total Benefit Net Benefit -					- :	I = 1			
						٠.	Discount Rate	Cost	Benefit	N.P.V
1	2002	1,201,966	0	1,201,966		-1,201,966		1,073,235	0	-1,073,23
2	2003	1,201,967	0	1,201,967	0	-1,201,967		958,208	0	-958,20
3	2004	1,201,967	. 0	1,201,967	. 0	-1,201,967		855,560	,0	-855,56
4	2005	. 0	142,900	142,900	1,125,140	982,240		90,813	715,026	624,21
5	2006	0	142,900	142,900	1,125,140	982,240		81,081	638,404	557,32
6	2007	0	142,900	142,900	1,125,140	982,240		72,393	569,996	497,60
7	2008	0	142,900	142,900	1,125,140	982,240		64,634	508,901	444,26
8	2009	0	142,900	142,900	1,125,140	982,240	0.4039	57,717	454,444	396,72
9	2010	0	142,900	142,900	1,125,140	982,240	0.3606	51,530	405,725	354,19
10	2011	0	142,900	142,900	1,125,140	982,240	0.3220	46,014	362,295	316,28
11	2012	. 0	142,900	142,900	1,125,140	982,240	0.2875	41,084	323,478	282,39
12	2013	0	142,900	142,900	1,125,140	982,240		36,682	288,823	252,14
13	2014	0	142,900	142,900	1,125,140	982,240		32,753	257,882	225,12
14	2015	. 0	142,900	142,900	1,125,140	982,240		29,237	230,204	200,96
15	2016	0	142,900	142,900	1,125,140	982,240		26,108	205,563	179,45
16	2017	0	142,900	142,900	1,125,140	982,240		23,307	183,510	160,20
17	2018	0	142,900	142,900	1,125,140	982,240		20,806	163,820	143,01
18	2019	0	142,900	142,900	1,125,140	982,240		18,577	146,268	127,69
19	2020	o o	142,900	142,900	1,125,140	982,240		16,591	130,629	114,03
20	2021		142,900	142,900	1,125,140	982,240		14,819	116,677	101,85
21	2022		142,900	142,900	1,125,140	982,240		13,233	104,188	90,95
22	2023		142,900	142,900	1,125,140	982,240		11,804	92,937	81,13
23	2024		142,900	142,900	1,125,140	982,240		10,546	83,035	72,48
24	2025		142,900	142,900	1,125,140	982,240		9,417	74,147	64,73
25	2026		142,900	142,900	1,125,140	982,240		8,403	66,158	57,75
26	2027		142,900	142,900	1,125,140	982,240		7,502	59,070	51,56
27	2028	*	142,900	142,900	1,125,140	982,240		6,702	52,769	46,06
28	2029		142,900	142,900	1,125,140	982,240		5,988	47,143	41,15
29	2030		142,900	142,900	1,125,140	982,240		5,344	42,080	36,73
30	2031		142,900	142,900	1,125,140	982,240		4,773	37,580	32,80
31	2031		142,900	142,900	1,125,140	982,240		4,773		
32	2032		142,900						33,529	29,27
33	2034		142,900	142,900	1,125,140	982,240		3,801	29,929	26,12
<i>33</i>	2034		142,900	142,900	1,125,140	982,240	0.0238	3,401	26,778	23,37
35	2033									
<i>35</i>	2030	•			•		*			1.5
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47	2048									
48	2049	<u> </u>				<u> </u>				
		3,605,900	4,287,000	7,892,900	33,754,200	25,861,300		3,706,321	6,450,988	2,744,66

N.P.V=	2,744,667
B/C=	1.74
FIRR=	22.0%

38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759	'	able LyZo	-4 Establishine	nt of cooperan	ve (1 maiciai	Vilal Agis) (Iro	20 ZCI asj			4.04	(1,000KIS.)
2002   37,113		Year	Project Cost	O&M Cost	Total Cost	Total Benefit	Net Benefit	D'			NDV
2         2003         37,111         0         37,111         0         37,111         0         37,111         0         37,111         0         37,111         0         37,111         0         37,111         140,560         177,671         240,000         62,329         0.6355         112,910         152,520         39,610           5         2006         37,111         140,560         177,671         240,000         62,329         0.5666         90,008         112,584         31,3656           7         2008         37,111         140,560         177,671         240,000         62,329         0.4523         80,361         108,552         28,197           9         2010         37,111         140,560         177,671         240,000         62,329         0.4523         80,361         108,552         28,197           9         2010         37,111         140,560         177,671         240,000         62,329         0.3266         64,068         86,544         22,476           12         2013         37,111         140,560         177,671         240,000         62,329         0.2575         51,080         69,000         17,220         20,001         12,238         12,248		2002	27 112		27 112		27 112				
32         2004         37,111         0         37,111         0         37,111         10,500         177,671         240,000         62,329         0.6555         112,910         152,520         39,510           5         2006         37,111         140,560         177,671         240,000         62,329         0.5664         100,811         136,176         35,365           6         2007         37,111         140,560         177,671         240,000         62,329         0.5669         90,008         121,584         31,576           8         2009         37,111         140,560         177,671         240,000         62,329         0.4639         71,761         56,936         25,175           9         2010         37,111         140,560         177,671         240,000         62,329         0.320         57,210         77,280         20,070           11         2012         37,111         140,560         177,671         240,000         62,329         0.2257         45,608         66,00         17,200           12         2013         37,111         140,560         177,671         240,000         62,329         0.22567         45,608         49,104         12,735			•								
4         2005         37,111         140,560         177,671         240,000         62,329         0.6355         112,910         152,520         39,610           6         2007         37,111         140,560         177,671         240,000         62,329         0.5066         90,008         121,584         31,576           7         2008         37,111         140,560         177,671         240,000         62,329         0.4039         71,61         80,691         28,175           9         2010         37,111         140,560         177,671         240,000         62,329         0.4039         71,66         86,534         22,476           9         2010         37,111         140,560         177,671         240,000         62,329         0.3266         64,068         86,544         22,476           11         2012         37,111         140,560         177,671         240,000         62,329         0.2257         45,608         61,608         16,008           12         2013         37,111         140,560         177,671         240,000         62,329         0.2567         45,008         66,068         16,008           12         2013         37,111         1											
5         2006         37,111         140,560         177,671         240,000         62,329         0.5664         100,811         136,176         33,365           7         2008         37,111         140,560         177,671         240,000         62,329         0.4523         80,361         108,552         28,191           8         2009         37,111         140,560         177,671         240,000         62,329         0.4632         71,761         96,936         22,176           10         2011         37,111         140,560         177,671         240,000         62,329         0.3200         57,210         77,280         22,476           11         2012         37,111         140,560         177,671         240,000         62,329         0.2875         51,080         66,000         179,021           12         2013         37,111         140,560         177,671         240,000         62,329         0.2567         45,608         61,608         16,000           13         2014         37,111         140,560         177,671         240,000         62,329         0.2267         45,608         61,608         16,000         17,671         240,000         62,329         0.1827 </td <td></td>											
6         2007         37,111         140,560         177,671         240,000         62,329         0.5066         90,008         121,584         31,576           8         2009         37,111         140,560         177,671         240,000         62,329         0.4523         80,361         108,552         28,191           9         2010         37,111         140,560         177,671         240,000         62,329         0.3606         64,068         86,544         22,476           10         2011         37,111         140,560         177,671         240,000         62,329         0.2320         57,210         77,260         20,070           11         2012         37,111         140,560         177,671         240,000         62,329         0.22875         51,080         69,000         179,671           12         2013         37,111         140,560         177,671         240,000         62,329         0.2287         45,608         61,608         16,000           12         2013         37,111         140,560         177,671         240,000         62,329         0.1327         2.55,008         14,286           15         2016         37,111         140,560										•	
7         2008         37,111         140,560         177,671         240,000         62,329         0.4523         80,361         108,552         28,191           9         2010         37,111         140,560         177,671         240,000         62,329         0.3030         64,608         86,544         22,476           10         2011         37,111         140,560         177,671         240,000         62,329         0.3220         57,210         77,280         20,070           11         2012         37,111         140,560         177,671         240,000         62,329         0.2567         45,608         61,608         16,000           13         2014         37,111         140,560         177,671         240,000         62,329         0.2567         45,608         61,608         16,000           13         2014         37,111         140,560         177,671         240,000         62,329         0.0204         35,51         49,104         12,753           15         2016         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         34,944         9,075           18         2019         37,111											
8         2009         37,111         140,560         177,671         240,000         62,329         0.4039         71,761         96,936         25,175           10         2010         37,111         140,560         177,671         240,000         62,329         0.3220         57,210         77,280         20,070           11         2012         37,111         140,560         177,671         240,000         62,329         0.2875         51,080         69,000         179,020           12         2013         37,111         140,560         177,671         240,000         62,329         0.2256         45,088         61,608         16,000           13         2014         37,111         140,560         177,671         240,000         62,329         0.2292         40,722         55,008         14,286           14         2015         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           16         2017         37,111         140,560         177,671         240,000         62,329         0.1301         23,978         39,144         10,166           17         2013         37,111         <				-							
9 2010 37,111 140,560 177,671 240,000 62,329 0.3506 64,068 86,544 22,476 10 2011 37,111 140,560 177,671 240,000 62,329 0.3202 57,210 77,280 20,070 11 2012 37,111 140,560 177,671 240,000 62,329 0.2875 51,080 69,000 17,920 12 2013 37,111 140,560 177,671 240,000 62,329 0.2867 45,608 61,608 16,000 13 2014 37,111 140,560 177,671 240,000 62,329 0.292 40,722 55,008 14,286 14 2015 37,111 140,560 177,671 240,000 62,329 0.2046 36,351 49,104 12,753 15 2016 37,111 140,560 177,671 240,000 62,329 0.1827 32,460 43,848 11,388 16 2017 37,111 140,560 177,671 240,000 62,329 0.1631 28,978 39,144 10,166 17 2018 37,111 140,560 177,671 240,000 62,329 0.1631 28,978 39,144 10,166 17 2018 37,111 140,560 177,671 240,000 62,329 0.1636 28,978 39,144 10,166 17 2018 37,111 140,560 177,671 240,000 62,329 0.1636 25,869 34,944 9,075 18 2019 37,111 140,560 177,671 240,000 62,329 0.1300 23,097 31,200 8,103 19 2020 0 140,560 140,560 240,000 99,440 0.1161 16,319 27,864 11,545 20 2021 140,560 140,560 240,000 99,440 0.1161 16,319 27,864 11,545 21 2022 140,560 140,560 240,000 99,440 0.0026 13,016 22,224 9,208 22 2023 140,560 140,560 240,000 99,440 0.0026 13,016 22,224 9,208 24 2025 140,560 140,560 240,000 99,440 0.0026 13,016 22,224 9,208 24 2025 140,560 140,560 240,000 99,440 0.00826 11,610 19,824 8,214 23 2024 140,560 140,560 240,000 99,440 0.00826 11,610 19,824 8,214 24 2025 140,560 140,560 240,000 99,440 0.00838 8,265 14,112 5,847 24 2025 140,560 140,560 240,000 99,440 0.00838 8,265 14,112 5,847 24 2025 140,560 140,560 240,000 99,440 0.00838 8,265 14,112 5,847 24 2025 140,560 140,560 240,000 99,440 0.00838 8,265 14,112 5,847 25 2026 140,560 140,560 240,000 99,440 0.0083 8,265 14,112 5,847 25 2028 140,560 140,560 240,000 99,440 0.0086 8,525 8,016 3,321 25 2033 140,560 140,560 240,000 99,440 0.0086 8,525 8,016 3,321 25 2036 140,560 140,560 240,000 99,440 0.0086 1,222 2,923 5,038 25 2036 140,560 140,560 240,000 99,440 0.0086 1,222 2,923 5,038 25 2036 140,560 140,560 240,000 99,440 0.0086 1,222 3,664 1,672 240 2031 140,560 140,560 240,000 99,440 0.008											
10         2011         37,111         140,560         177,671         240,000         62,329         0.3220         57,210         77,280         20,000           11         2012         37,111         140,560         177,671         240,000         62,329         0.2567         45,608         61,608         15,000           12         2013         37,111         140,560         177,671         240,000         62,329         0.2292         40,722         55,008         14,286           14         2015         37,111         140,560         177,671         240,000         62,329         0.2292         40,722         55,008         14,286           15         2016         37,111         140,560         177,671         240,000         62,329         0.1827         32,460         43,848         11,388           16         2017         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1300         23,097         31,200         8,103           19         2020         140,560         <											
11         2012         37,111         140,560         177,671         240,000         62,329         0.2875         51,080         69,000         179,201           12         2013         37,111         140,560         177,671         240,000         62,329         0.2292         45,608         61,608         16,600           13         2014         37,111         140,560         177,671         240,000         62,329         0.2202         40,722         55,008         14,286           14         2015         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           19         2020         0         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20221         140,560         140,560											
12         2013         37,111         140,560         177,671         240,000         62,329         0.2267         45,608         61,608         16,000           13         2014         37,111         140,560         177,671         240,000         62,329         0.2292         40,722         55,008         142,265           15         2016         37,111         140,560         177,671         240,000         62,329         0.1827         32,460         43,848         11,388           16         2017         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1300         23,979         31,200         8,103           18         2019         37,111         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20         2021         140,560         140,560         240,000         99,440         0.1037         14,576         24,888         10,312           21         2022         140,560         140,560											
13         2014         37,111         140,560         177,671         240,000         62,329         0,2292         40,722         55,008         14,286           14         2015         37,111         140,560         177,671         240,000         62,329         0,12046         36,351         49,104         12,733           15         2016         37,111         140,560         177,671         240,000         62,329         0,1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0,1456         25,869         34,944         9,075           18         2019         37,111         140,560         177,671         240,000         62,329         0,1405         23,997         31,200         8,103           19         2020         0         140,560         140,560         240,000         99,440         0,1161         16,319         27,864         11,545           21         2022         140,560         140,560         240,000         99,440         0,026         13,016         22,224         9,262           2023         140,560         140,560         240,000 <t< td=""><td></td><td></td><td>and the second s</td><td></td><td></td><td></td><td></td><td></td><td>· ·</td><td></td><td></td></t<>			and the second s						· ·		
14         2015         37,111         140,560         177,671         240,000         62,329         0.2046         36,351         49,104         12,735           15         2016         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1456         25,869         34,944         9,075           18         2019         37,111         140,560         177,671         240,000         62,329         0.1456         25,869         34,944         9,075           18         2019         37,111         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20         2021         140,560         140,560         240,000         99,440         0.1037         14,576         24,888         10,311           21         2022         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           21         2022         140,560         140,560         240,000         <			-			,					
15         2016         37,111         140,560         177,671         240,000         62,329         0.1827         32,460         43,848         11,386           16         2017         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1300         23,097         31,200         8,103           19         2020         0         140,560         140,560         240,000         99,440         0.1031         14,576         24,888         10,312           20         2021         140,560         140,560         240,000         99,440         0.0026         13,016         22,224         9,208           21         2022         140,560         140,560         240,000         99,440         0.0926         13,016         22,224         9,208           22         2023         140,560         140,560         240,000         99,440         0.0738         8,265         11,514         7,339           24         2025         140,560         140,560         240,000         99,440         0.05											
16         2017         37,111         140,560         177,671         240,000         62,329         0.1631         28,978         39,144         10,166           17         2018         37,111         140,560         177,671         240,000         62,329         0.1300         23,097         31,200         8,103           19         2020         0         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20         2021         140,560         140,560         240,000         99,440         0.1037         145,76         24,888         10,312           21         2022         140,560         140,560         240,000         99,440         0.0037         14,576         24,888         10,312           22         2023         140,560         140,560         240,000         99,440         0.0826         11,610         19,884         8,214           23         2024         140,560         140,560         240,000         99,440         0.0738         10,373         17,712         7,339           24         2025         140,560         140,560         240,000         99,440         0.0588         8,											
17         2018         37,111         140,560         177,671         240,000         62,329         0.1456         25,869         34,944         9,075           18         2019         37,111         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20         2021         140,560         140,560         240,000         99,440         0.1161         16,319         2,868         10,312           21         2022         140,560         140,560         240,000         99,440         0.0926         13,016         22,224         9,088           22         2023         140,560         140,560         240,000         99,440         0.0826         13,016         22,224         9,088           22         2023         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,553           24         2025         140,560         140,560         240,000         99,440         0.0858         8,265         14,112         5,847           25         2026         140,560         140,560         240,000         99,440         0.0528         7,379         12,			•								
18         2019         37,111         140,560         177,671         240,000         62,329         0.1300         23,097         31,200         8,103           19         2020         0         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20         2021         140,560         140,560         240,000         99,440         0.0137         14,576         24,888         10,312           21         2022         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           22         2023         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           24         2025         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256<						•					
19         2020         0         140,560         140,560         240,000         99,440         0.1161         16,319         27,864         11,545           20         2021         140,560         140,560         240,000         99,440         0.1037         14,576         24,888         10,312           21         2022         140,560         140,560         240,000         99,440         0.0926         13,016         22,224         9,208           22         2023         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           23         2024         140,560         140,560         240,000         99,440         0.0639         9,263         15,816         6,533           25         2026         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0419         5,889         10,56         4,664 <td></td>											
20         2021         140,560         140,560         240,000         99,440         0.1037         14,576         24,888         10,312           21         2022         140,560         140,560         240,000         99,440         0.0926         13,016         22,224         9,208           22         2023         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           23         2024         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,533           25         2026         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,533           25         2026         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         41,056 <tr< td=""><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>				•							
21         2022         140,560         140,560         240,000         99,440         0.0926         13,016         22,224         9,208           22         2023         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           23         2024         140,560         140,560         240,000         99,440         0.0738         10,373         17,712         7,339           24         2025         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,553           25         2026         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         41,167           29         2030         140,560         140,560         240,000         99,440         0.0374         5,257         8,976         3,719			0	-							
22         2023         140,560         140,560         240,000         99,440         0.0826         11,610         19,824         8,214           23         2024         140,560         140,560         240,000         99,440         0.0738         10,373         17,712         7,339           24         2025         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,553           25         2026         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         4,167           29         2030         140,560         140,560         240,000         99,440         0.0334         4,695         8,016         3,321			\$1.50 miles								
23         2024         140,560         140,560         240,000         99,440         0.0738         10,373         17,712         7,339           24         2025         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,553           25         2026         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         4,664           28         2029         140,560         140,560         240,000         99,440         0.0374         5,257         8,976         3,719           30         2031         140,560         140,560         240,000         99,440         0.0334         4,695         8,016         3,211           31         2032         140,560         140,560         240,000         99,440         0.0298         4,189         7,152         2,633											
24         2025         140,560         140,560         240,000         99,440         0.0659         9,263         15,816         6,553           25         2026         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         4,167           29         2030         140,560         140,560         240,000         99,440         0.0374         5,257         8,976         3,719           30         2031         140,560         140,560         240,000         99,440         0.0334         4,695         8,016         3,321           31         2032         2033         140,560         140,560         240,000         99,440         0.0238         3,345         5,712         2,367											
25         2026         140,560         140,560         240,000         99,440         0.0588         8,265         14,112         5,847           26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         4,167           29         2030         140,560         140,560         240,000         99,440         0.0374         5,257         8,976         3,719           30         2031         140,560         140,560         240,000         99,440         0.0234         4,695         8,016         3,321           31         2032         140,560         140,560         240,000         99,440         0.0298         4,189         7,152         2,963           32         2033         140,560         140,560         240,000         99,440         0.0238         3,345         5,712         2,367				-			and the second second				
26         2027         140,560         140,560         240,000         99,440         0.0525         7,379         12,600         5,221           27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         4,167           29         2030         140,560         140,560         240,000         99,440         0.0374         5,257         8,976         3,719           30         2031         140,560         140,560         240,000         99,440         0.0334         4,695         8,016         3,321           31         2032         140,560         140,560         240,000         99,440         0.0288         4,189         7,152         2,963           32         2033         140,560         140,560         240,000         99,440         0.0228         4,189         7,152         2,963           32         2033         140,560         140,560         240,000         99,440         0.0238         3,345         5,712         2,367											
27         2028         140,560         140,560         240,000         99,440         0.0469         6,592         11,256         4,664           28         2029         140,560         140,560         240,000         99,440         0.0419         5,889         10,056         4,167           29         2030         140,560         140,560         240,000         99,440         0.0374         5,257         8,976         3,719           30         2031         140,560         140,560         240,000         99,440         0.0334         4,695         8,016         3,321           31         2032         140,560         140,560         240,000         99,440         0.0298         4,189         7,152         2,963           32         2033         140,560         140,560         240,000         99,440         0.0266         3,739         6,384         2,645           33         2034         140,560         140,560         240,000         99,440         0.0212         2,980         5,088         2,108           35         2036         140,560         140,560         240,000         99,440         0.0189         2,657         4,536         1,879           <											
28       2029       140,560       140,560       240,000       99,440       0.0419       5,889       10,056       4,167         29       2030       140,560       140,560       240,000       99,440       0.0374       5,257       8,976       3,719         30       2031       140,560       140,560       240,000       99,440       0.0334       4,695       8,016       3,321         31       2032       140,560       140,560       240,000       99,440       0.0298       4,189       7,152       2,963         32       2033       140,560       140,560       240,000       99,440       0.0266       3,739       6,384       2,645         33       2034       140,560       140,560       240,000       99,440       0.0212       2,980       5,088       2,108         35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>and the second s</td><td></td><td></td><td></td><td></td></td<>							and the second s				
29       2030       140,560       140,560       240,000       99,440       0.0374       5,257       8,976       3,719         30       2031       140,560       140,560       240,000       99,440       0.0334       4,695       8,016       3,321         31       2032       140,560       140,560       240,000       99,440       0.0298       4,189       7,152       2,963         32       2033       140,560       140,560       240,000       99,440       0.0266       3,739       6,384       2,645         33       2034       140,560       140,560       240,000       99,440       0.0238       3,345       5,712       2,367         34       2035       140,560       140,560       240,000       99,440       0.0212       2,980       5,088       2,108         35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151							-				
30         2031         140,560         140,560         240,000         99,440         0.0334         4,695         8,016         3,321           31         2032         140,560         140,560         240,000         99,440         0.0298         4,189         7,152         2,963           32         2033         140,560         140,560         240,000         99,440         0.0266         3,739         6,384         2,645           33         2034         140,560         140,560         240,000         99,440         0.0238         3,345         5,712         2,367           34         2035         140,560         140,560         240,000         99,440         0.0212         2,980         5,088         2,108           35         2036         140,560         140,560         240,000         99,440         0.0189         2,657         4,536         1,879           36         2037         140,560         140,560         240,000         99,440         0.0151         2,122         3,624         1,502           38         2039         140,560         140,560         240,000         99,440         0.0135         1,898         3,240         1,342 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
31       2032       140,560       140,560       240,000       99,440       0.0298       4,189       7,152       2,963         32       2033       140,560       140,560       240,000       99,440       0.0266       3,739       6,384       2,645         33       2034       140,560       140,560       240,000       99,440       0.0238       3,345       5,712       2,367         34       2035       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         40       2040       140,560       140,560       240,000       99,440       0.0120											
32       2033       140,560       140,560       240,000       99,440       0.0266       3,739       6,384       2,645         33       2034       140,560       140,560       240,000       99,440       0.0238       3,345       5,712       2,367         34       2035       140,560       140,560       240,000       99,440       0.0212       2,980       5,088       2,108         35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107											
33       2034       140,560       140,560       240,000       99,440       0.0238       3,345       5,712       2,367         34       2035       140,560       140,560       240,000       99,440       0.0212       2,980       5,088       2,108         35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0066			. *.			•					
34       2035       140,560       140,560       240,000       99,440       0.0212       2,980       5,088       2,108         35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0066       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,											
35       2036       140,560       140,560       240,000       99,440       0.0189       2,657       4,536       1,879         36       2037       140,560       140,560       240,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0068       956<			6 July 1985								
36       2037       140,560       140,000       99,440       0.0169       2,375       4,056       1,681         37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632											
37       2038       140,560       140,560       240,000       99,440       0.0151       2,122       3,624       1,502         38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857											
38       2039       140,560       140,560       240,000       99,440       0.0135       1,898       3,240       1,342         39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759				•			i i				
39       2040       140,560       140,560       240,000       99,440       0.0120       1,687       2,880       1,193         40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689 <td< td=""><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1,502</td></td<>			•								1,502
40       2041       140,560       140,560       240,000       99,440       0.0107       1,504       2,568       1,064         41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,0				-				The second secon			1,342
41       2042       140,560       140,560       240,000       99,440       0.0096       1,349       2,304       955         42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428							•				1,193
42       2043       140,560       140,560       240,000       99,440       0.0086       1,209       2,064       855         43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428											1,064
43       2044       140,560       140,560       240,000       99,440       0.0076       1,068       1,824       756         44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428											955
44       2045       140,560       140,560       240,000       99,440       0.0068       956       1,632       676         45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428											855
45       2046       140,560       140,560       240,000       99,440       0.0061       857       1,464       607         46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428	4										756
46     2047     140,560     140,560     240,000     99,440     0.0054     759     1,296     537       47     2048     140,560     140,560     240,000     99,440     0.0049     689     1,176     487       48     2049     140,560     140,560     240,000     99,440     0.0043     604     1,032     428							99,440		956	1,632	676
46       2047       140,560       140,560       240,000       99,440       0.0054       759       1,296       537         47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428	4						99,440		857	1,464	607
47       2048       140,560       140,560       240,000       99,440       0.0049       689       1,176       487         48       2049       140,560       140,560       240,000       99,440       0.0043       604       1,032       428	4			140,560	140,560	240,000	99,440	0.0054	759		537
48 2049 140,560 140,560 240,000 99,440 0.0043 604 1,032 428	4			140,560	140,560	240,000	99,440	0.0049	689		487
	4	8 2049		140,560	140,560	240,000	99,440	0.0043			428
			668,000	6,325,200	6,993,200	10,800,000	3,806,800		1,097,654		317,170

N.P.V=	317,170
B/C=	1.29
FIRR=	39.0%

Table L-23-5 Financial Evaluation of the Proposed Prijects (Grand Total) (K8-28 Zeras)

· · · · · · · · · · · · · · · · · · ·		······································	a jan dir ippilgani ka arang ng panipilga a arang da da		I = 1	2%	(1,000RI
Year	Total cost	Total benefit	Net Benefit	Discount Rate	Cost	Benefit	N.P.V
1	2,307,960	0	-2,307,960	0.8929	2,060,777	0	-2,060,77
2	2,307,959	0	-2,307,959	0.7972	1,839,905	0	-1,839,90
3	2,307,959	0	-2,307,959	0.7118	1,642,805	0	-1,642,80
4	1,321,012	2,401,710	1,080,698	0.6355	839,503	1,526,287	686,78
5	1,321,012	2,401,710	1,080,698	0.5674	749,542	1,362,730	613,18
6	1,255,132	2,401,710	1,146,578	0.5066	635,850	1,216,706	580,85
7	1,255,132	2,401,710	1,146,578	0.4523	567,696	1,086,293	518,59
8	1,255,132	2,401,710	1,146,578	0.4039	506,948	970,051	463,10
9	1,255,132	2,401,710	1,146,578	0.3606	452,601	866,057	413,45
10	1,255,132	2,401,710	1,146,578	0.3220	404,153	773,351	369,1
		•			•	•	-
11	1,255,132	2,401,710	1,146,578	0.2875	360,850	690,492	329,6
12	1,255,132	2,401,710	1,146,578	0.2567	322,192	616,519	294,3
13	1,255,132	2,401,710	1,146,578	0.2292	287,676	550,472	262,7
14	1,255,132	2,401,710	1,146,578	0.2046	256,800	491,390	234,5
15	1,255,132	2,401,710	1,146,578	0.1827	229,313	438,792	209,4
16	1,255,132	2,401,710	1,146,578	0.1631	204,712	391,719	187,0
17	1,255,132	2,401,710	1,146,578	0.1456	182,747	349,689	166,9
18	1,255,132	2,401,710	1,146,578	0.1300	163,167	312,222	149,0
19	1,218,020	2,401,710	1,183,690	0.1161	141,412	278,839	137,4
20	1,218,020	2,401,710	1,183,690	0.1037	126,309	249,057	122,7
21	1,218,020	2,401,710	1,183,690	0.0926	112,789	222,398	109,6
22	1,218,020	2,401,710	1,183,690	0.0826	100,608	198,381	97,7
23	1,218,020	2,401,710	1,183,690	0.0738	89,890	177,246	87,3
24	1,218,020	2,401,710	1,183,690	0.0659	80,268	158,273	78,0
25	1,218,020	2,401,710	1,183,690	0.0588	71,620	141,221	69,6
26	1,218,020	2,401,710	1,183,690	0.0525	63,946	126,090	62,1
27	1,218,020	2,401,710	1,183,690	0.0469	57,125	112,640	55,5
28	1,218,020	2,401,710	1,183,690	0.0419	51,035	100,632	49,5
29	1,218,020	2,401,710	1,183,690	0.0374	45,554	89,824	44,2
30	1,218,020	2,401,710	1,183,690	0.0334	40,682	80,217	39,5
31	1,218,020	2,401,710	1,183,690	0.0298	36,297	71,571	35,2
32	1,218,020	2,401,710	1,183,690	0.0266	32,399	63,885	31,4
33	1,218,020	2,401,710	1,183,690	0.0238	28,989	57,161	28,1
34	1,218,020	2,401,710	1,183,690	0.0212	25,822	50,916	25,0
35	1,218,020	2,401,710	1,183,690		23,021	45,392	22,3
36	1,218,020	2,401,710	1,183,690	0.0169	20,585	40,589	20,0
37	1,218,020	2,401,710	1,183,690	0.0151	18,392	36,266	17,8
38	1,218,020	2,401,710	1,183,690	0.0135	16,443	32,423	15,9
39	1,218,020		1,183,690		14,616	28,821	14,2
40	1,218,020	2,401,710	1,183,690	0.0120	13,033	25,698	12,6
41	1,218,020	2,401,710	1,183,690		11,693	23,056	11,3
42 43	1,218,020		1,183,690	the state of the s	10,475	20,655	10,1
43	1,218,020		1,183,690		9,257	18,253	8,9
44	1,218,020		1,183,690		8,283	16,332	8,0
45	1,218,020		1,183,690		7,430	14,650	7,2
46	1,218,020		1,183,690		6,577	12,969	6,3
47	1,218,020		1,183,690	4	5,968	11,768	5,8
48	1,218,020		1,183,690	_ <del></del>	5,237	10,327	5,0
	62,423,218	108,076,950	45,653,732		12,982,992	14,158,320	1,175,3

N.P.V=	1,175,328
B/C=	1.09
EIRR=	14.2%

<u>, ab</u>	16 L/25-	6 Construction		<del></del>	·			I = 1	2%	(1,000Rls.
•	Year	Project Cost	O&M Cost	Total Cost	Total Benefit	Net Benefit	Discount Rate	Cost	Benefit	N.P.V
ĺ	2002	234,625	0	234,625		-234,625	0.8929	209,497	0	-209,497
?	2003	234,625	. 0	234,625	0	-234,625	0.7972	187,043	0	-187,043
,	2004	234,625	. 0	234,625	0	-234,625	0.7118	167,006	0	-167,00
1	2005	234,625	18,300	252,925	470,490	217,565	0.6355	160,734	298,996	138,26
i	2006	234,625	18,300	252,925	470,490	217,565	0.5674	143,510	266,956	123,44
5	2007	234,625	18,300	252,925	470,490	217,565	0.5066	128,132	238,350	110,21
1	2008	234,625	18,300	252,925	470,490	217,565	0.4523	114,398	212,803	98,40
3	2009	234,625	18,300	252,925	470,490	217,565	0.4039	102,156	190,031	87,87
•	2010	0	18,300	18,300	470,490	452,190	0,3606	6,599	169,659	163,06
0	2011	0	18,300	18,300		452,190	0.3220	5,893	151,498	145,60
1	2012	0	18,300	18,300		452,190	0.2875	5,261	135,266	130,00
12	2013	0	18,300	18,300		452,190	0.2567	4,698	120,775	116,07
13	2014	. 0	18,300	18,300		452,190	0.2292	4,194	107,836	103,64
14	2015	0	18,300	18,300		452,190	0.2046	3,744	96,262	92,51
15	2016	0	18,300	18,300		452,190		3,343	85,959	82,61
16	2017	0	18,300	18,300		452,190	0.1631	2,985	76,737	73,75
17	2018	0	18,300	18,300		452,190	0.1456	2,664	68,503	65,83
18	2019	0	18,300	18,300		452,190	0.1300	2,379	61,164	58,78
19	2020	0	18,300	18,300		452,190	0.1161	2,125	54,624	52,49
20	2021		18,300	18,300		452,190	0.1037	1,898	48,790	46,89
21	2022	•	18,300	18,300		452,190	0.0926	1,695	43,567	41,87
22	2023		18,300	18,300		452,190	0.0826	1,512	38,862	37,35
23	2024		18,300	18,300		452,190	0.0738	1,351	34,722	33,37
24	2025	• •	18,300	18,300		452,190	0.0659	1,206	31,005	29,79
25	2026		18,300	18,300		452,190	0.0588	1,200	27,665	26,58
26	2027		18,300	18,300		452,190	0.0538	961	24,701	23,74
27	2028		18,300	18,300		452,190	0.0323	858	22,066	21,20
28 ·	2029		18,300	18,300		452,190	0.0409	767	19,714	18,94
20 29	2030		18,300	18,300		452,190	0.0419	684	17,596	16,91
30	2030		18,300	18,300		452,190	0.0374	611	15,714	
31	2031		18,300	18,300				545		15,10
32	2032		18,300	18,300		452,190 452,190	0.0298 0.0266	487	14,021	13,47
33	2033								12,515	12,02
34	2034		18,300	18,300		452,190 452,190	0.0238	436	11,198	10,76
			18,300	18,300			0.0212	388	9,974	9,58
35	2036		18,300	18,300		452,190	0.0189	346	8,892	8,54
36	2037		18,300	18,300		452,190	0.0169	309	7,951	7,64
37	2038	•	18,300	18,300		452,190	0.0151	276	7,104	6,82
8	2039		18,300	18,300	470,490	452,190	0.0135	247	6,352	6,10
39	2040									
10	2041									
1	2042				•					
12	2043		-							
13	2044	* -								
4	2045									
15	2046									
16	2047					•				
47	2048									
48	2049	·								
		1,877,000	640,500	2,517,500	16,467,150	13,949,650		1,272,014	2,737,828	1,465,81
	•									

N.P.V=	1,465,814
B/C=	2.15
EIRR=	30.0%

1 2	/ear	Project Cost	O&M Cost	m . 10 .	4.3			I = 1	12%	
			Occidi Cosi	Total Cost	Total Benefit	Net Benefit	***			NIDV
	2002	0				0	Discount Rate	Cost	Benefit	N.P.V
2	2002	0		. 0			0.8929	0	0	
3	2003	0	0	. 0	0	0	0.7972	0	. 0	(
4	2004	537,600	0	537,600	0	-537,600	0.7118	241.645	. 0	241 644
5	2005	537,600	0				0.6355	341,645	0	-341,641
6	2007			537,600		-537,600	0.5674	305,034	0	-305,034
		537,600	21.400	537,600		-537,600	0.5066	272,348	0	-272,348
7	2008	537,600	31,400	569,000		-21,670	0.4523	257,359	247,557	-9,802
8	2009	537,600	31,400	569,000	-	-21,670	0.4039	229,819	221,067	-8,752
9	2010	0	31,400	31,400		515,930		11,323	197,367	186,044
10	2011	0	31,400	31,400		515,930	0.3220	10,111	176,240	166,129
11	2012	0	31,400	31,400		515,930	0.2875	9,028	157,357	148,329
12	2013	0	31,400	31,400		515,930	0.2567	8,060	140,500	132,440
13	2014	0	31,400	31,400		515,930		7,197	125,448	118,251
14	2015	0	31,400	31,400		515,930	0.2046	6,424	111,984	105,560
15	2016	0	31,400	31,400		515,930	0.1827	5,737	99,997	94,260
16	2017	0	31,400	31,400		515,930	0.1631	5,121	89,270	84,149
17	2018	0	31,400	31,400		515,930	0.1456	4,572	79,691	75,119
18	2019	. 0	31,400	31,400		515,930		4,082	71,153	67,07
19	2020	. 0	31,400	31,400		515,930	0.1161	3,646	63,545	59,899
20	2021		31,400	31,400		515,930	0.1037	3,256	56,758	53,502
21	2022		31,400	31,400		515,930	0.0926	2,908	50,683	47,77
22	2023		31,400	31,400		515,930	0.0826	2,594	45,209	42,61
23	2024		31,400	31,400		515,930	0.0738	2,317	40,393	38,070
24	2025		31,400	31,400		515,930	0.0659	2,069	36,069	34,000
25	2026		31,400	31,400	547,330	515,930	0.0588	1,846	32,183	30,337
26	2027		31,400	31,400		515,930	0.0525	1,649	28,735	27,086
27	2028		31,400	31,400		515,930		1,473	25,670	24,197
28	2029		31,400	31,400		515,930	0.0419	1,316	22,933	21,617
29	2030		31,400	31,400	547,330	515,930	0.0374		20,470	19,290
30	2031		31,400	31,400		515,930	0.0334	1,049	18,281	17,232
31	2032		31,400	31,400		515,930	0.0298	936	16,310	15,374
32	2033		31,400	31,400		515,930	0.0266	835	14,559	13,724
33	2034		31,400	31,400		515,930	0.0238	747	13,026	12,279
34	2035		31,400	31,400		515,930	0.0212	666	11,603	10,93
35	2036	:	31,400	31,400		515,930	0.0189	593	10,345	9,752
36	2037	t t	31,400	31,400		515,930	0.0169	531	9,250	8,719
37	2038		31,400	31,400		515,930		474	8,265	7,79
38	2039		31,400	31,400	547,330	515,930	0.0135	424	7,389	6,96
39	2040	.*			•					1 <u></u>
40	2041			· · · · · ·					et to a second	
41	2042						4.			
42	2043					tiv.				
43	2044					:				
44	2045	•							1 10 10 10 10	
45	2046		•					and the second		
46	2047									
47	2048						•			1.
48	2049									
		2,688,000	1,004,800	3,692,800	17,514,560	13,821,760		1,508,363	2,249,307	740,944

N.P.V=	740,944
B/C=	1.49
EIRR=	18.6%

Table Le23-8	Landslide Protection	(Economic Analysis)	(K8-28 Zeras)

11	non	Y	
{ T	,000	KIS	٠

	Van-	Project Cart	O&M Cost	Total Cost	Total Benefit	Not Bonne		[=1	2%	
·	Year	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		Discount Rate	Cost	Benefit	N.P.V
1 -	2002	19,000	0	19,000		-19,000	0.8929	16,965	0	-16,96
2	2003	19,000	. 0	19,000		-19,000		15,147	. 0	-15,14
3	2004	19,000	12,300	31,300		-31,300	0.7118	22,279	0	-22,2
4	2005	. 0	12,300	12,300		-7,450	0.6355	7,817	3,082	-4,73
5	2006	0	12,300	12,300	4,850	-7,450		6,979	2,752	-4,2
6	2007	0	12,300	12,300	4,850	-7,450	0.5066	6,231	2,457	-3,7
7	2008	. • 0	12,300	12,300	4,850	-7,450	0.4523	5,563	2,194	-3,30
8	2009	. 0	12,300	12,300	4,850	-7,450	0.4039	4,968	1,959	-3,0
9	2010	. 0	12,300	12,300		-7,450	0.3606	4,435	1,749	-2,6
10	2011	0	12,300	12,300		-7,450		3,961	1,562	-2,3
11	2012	0	12,300	12,300		-7,450		3,536	1,394	-2,1
12	2013	0	12,300	12,300		-7,450	0.2567	3,157	1,245	-1,9
13	2014	0	12,300	12,300		-7,450	0.2292	2,819	1,112	-1,70
14	2015	0	12,300	12,300		-7,450		2,517	992	-1,52
15	2016	0	12,300	12,300		-7,450	0.1827	2,247	886	-1,3
16	2017	0	12,300	12,300		-7,450	0.1631	2,006	791	-1,2
17	2018	0	12,300	12,300		-7,450		1,791	706	-1,0
18	2019	0	12,300			-7,450		1,791	631	
		. 0								-9
19	2020	U	12,300	12,300		-7,450		1,428	563	-8
20	2021		12,300	12,300		-7,450	0.1037	1,276	503	-7
21	2022		12,300	12,300		-7,450		1,139	449	-6
22	2023	1	12,300	12,300		-7,450		1,016	401	6
23	2024		12,300	12,300		-7,450		908	358	-5
24	2025		12,300	12,300		-7,450	0,0659	811	320	-4
25	2026		12,300	12,300		-7,450		723	285	-4
26	2027		12,300	12,300		-7,450	0.0525	646	255	-3
27	2028	$x_{i+1}(t) = (t_{i+1}x_i)$	12,300	12,300		-7,450		577	227	-3
28	2029		12,300	12,300		-7,450	0.0419	515	203	-3
29	2030		12,300	12,300		<b>-7,4</b> 50	0.0374	460	181	-2
30	2031		12,300	12,300		-7,450	0.0334	411	162	-2
31	2032		12,300	12,300		<b>-7,4</b> 50	0.0298	367	145	2:
32	2033		12,300	12,300		-7,450		327	129	-1
33	2034		12,300	12,300	4,850	-7,450	0.0238	293	115	-1
34	2035									
35	2036								*	
36	2037									
37	2038									
38	2039					*				
39	2040									
40	2041	-				•				
41	2042		· · · · · · · · · · · · · · · · · · ·							
42	2043							-		
43	2044		1					-		
44	2045			Ti			in the second			
<del>4-1</del> 45	2045						· .			
46	2040								* .	
40 47	2047						•			
47 48										
+0	2049				145,500	* * * * * * * * * * * * * * * * * * *		*		

N.P.V=	-97,106
B/C=	0.22
EIRR=	#DIV/0!

12       2013       199,508       116,500       316,008       456,460       140,452       0.2567       81,119       117,173       36,054         13       2014       199,508       116,500       316,008       456,460       140,452       0.2292       72,429       104,621       32,192         14       2015       0       116,500       116,500       456,460       339,960       0.2046       23,836       93,392       69,556         15       2016       0       116,500       116,500       456,460       339,960       0.1827       21,285       83,395       62,110         16       2017       0       116,500       116,500       456,460       339,960       0.1631       19,001       74,449       55,448         17       2018       0       116,500       116,500       456,460       339,960       0.1456       16,962       66,461       49,499         18       2019       0       116,500       116,500       456,460       339,960       0.1161       13,526       52,995       39,469         20       2021       116,500       116,500       456,460       339,960       0.1037       12,081       47,335       35,254      <	Lat	le L-23	9 Stol erosion	protection (Ec	onomic Analy	sis) (K8-28 Ze	eras)			200	(1,000Ris.)
1 2002 199,504 0 199,508 0 10,40,500 0 142,010 0 142,010 0 142,010 0 142,010 0 199,508 116,500 316,008 456,460 140,452 0,6355 200,823 290,980 89,257 5 2006 199,508 116,500 316,008 456,460 140,452 0,5564 170,303 258,995 79,692 0 10,008 116,500 316,008 456,460 140,452 0,5524 142,930 206,457 63,527 8 2009 199,508 116,500 316,008 456,460 140,452 0,4503 127,636 184,364 56,728 9 2010 199,508 116,500 316,008 456,460 140,452 0,4039 127,636 184,364 56,728 9 2010 199,508 116,500 316,008 456,460 140,452 0,4039 127,636 184,364 56,728 11 2012 199,508 116,500 316,008 456,460 140,452 0,320 101,755 146,599 50,647 10 2011 199,508 116,500 316,008 456,460 140,452 0,320 101,755 146,599 45,221 12 2013 199,508 116,500 316,008 456,460 140,452 0,320 101,755 146,599 45,221 12 2013 199,508 116,500 316,008 456,460 140,452 0,320 117,751 146,500 456,400 319,900 0,2046 23,836 93,392 60,556 150 2016 0 116,500 116,500 456,460 339,960 0,1037 11,7173 36,054 150 2016 0 116,500 116,500 456,460 339,960 0,1037 11,45 149,621 23,125 140,500 116,500 116,500 456,460 339,960 0,1827 21,285 83,395 62,110 2017 0 116,500 116,500 456,460 339,960 0,1827 21,285 83,395 62,110 2017 0 116,500 116,500 456,460 339,960 0,1037 12,081 47,335 35,254 117,2018 0 116,500 116,500 456,460 339,960 0,1037 12,081 47,335 35,254 117,2018 10 116,500 116,500 456,460 339,960 0,1037 12,081 47,335 35,240 116,500 116,500 116,500 456,460 339,960 0,1037 12,081 47,335 35,240 116,500 116,500 116,500 456,460 339,960 0,1037 12,081 47,335 35,240 116,500 116,500 116,500 456,460 339,960 0,0036 1,078 8 42,268 13,480 12,202 116,500 116,500 456,460 339,960 0,0036 1,078 8 42,268 13,480 12,202 116,500 116,500 456,460 339,960 0,0036 1,078 8 42,268 13,480 12,202 116,500 116,500 456,460 339,960 0,0036 1,072 2,477 13,684 13,480 12,202 11		Year	Project Cost	O&M Cost	Total Cost	Total Benefit	Net Benefit	<b>V</b>			NI D XI
2 2003 199,508 0 199,508 0 199,508 0 199,508 0 199,508 0,7972 153,048 0 159,048 13 2004 199,508 116,500 316,008 456,460 140,452 0,6355 200,823 290,080 89,257 75,602 109,508 116,500 316,008 456,460 140,452 0,5674 179,303 28,995 76,602 109,508 116,500 316,008 456,460 140,452 0,5674 179,303 28,995 76,602 109,508 116,500 316,008 456,460 140,452 0,5674 179,303 28,995 76,602 109,508 116,500 316,008 456,460 140,452 0,5674 142,930 206,457 63,527 100,500 110,500 116,500 456,460 140,452 0,4523 142,930 206,457 63,527 100,201 199,508 116,500 316,008 456,460 140,452 0,4523 142,930 206,457 63,527 110 2011 199,508 116,500 316,008 456,460 140,452 0,3606 133,952 164,599 50,647 110 2011 199,508 116,500 316,008 456,460 140,452 0,2875 90,852 131,232 40,380 112 2013 199,508 116,500 316,008 456,460 140,452 0,2875 90,852 131,232 40,380 112 2013 199,508 116,500 316,008 456,460 140,452 0,2297 72,429 110,4621 32,124 110,100 110,10								Discount Rate			
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15       2016       0       116,500       116,500       456,460       339,960       0.1827       21,285       83,395       62,110         16       2017       0       116,500       116,500       456,460       339,960       0.1631       19,001       74,449       55,448         17       2018       0       116,500       116,500       456,460       339,960       0.1436       16,962       66,461       49,499         18       2019       0       116,500       116,500       456,460       339,960       0.1130       15,145       59,340       441,195         20       2021       116,500       116,500       456,460       339,960       0.1037       12,081       47,335       52,295       39,469         21       2022       116,500       116,500       456,460       339,960       0.0026       10,788       42,268       31,480         22       2023       116,500       116,500       456,460       339,960       0.0826       9,623       37,704       28,081         24       2025       116,500       116,500       456,460       339,960       0.0659       7,677       30,081       22,404         25       2026	13	2014	199,508							104,621	32,192
16       2017       0       116,500       116,500       456,460       339,960       0.1631       19,001       74,449       55,448         17       2018       0       116,500       116,500       456,460       339,960       0.1306       16,962       66,461       49,499         18       2019       0       116,500       116,500       456,460       339,960       0.1300       15,145       59,340       44,195         19       2020       0       116,500       116,500       456,460       339,960       0.1037       12,081       47,335       35,254         21       2022       116,500       116,500       456,460       339,960       0.0026       9,623       37,704       28,081         22       2023       116,500       116,500       456,460       339,960       0.0826       9,623       37,704       28,081         23       2024       116,500       116,500       456,460       339,960       0.0738       8,598       33,687       25,089         24       2025       116,500       116,500       456,460       339,960       0.0529       7,677       30,081       22,404         25       2026       116,500	14		0	116,500						93,392	69,556
17 2018	15	2016	. 0	116,500	116,500	456,460	339,960	0.1827	21,285	83,395	62,110
18       2019       0       116,500       116,500       456,460       339,960       0.1300       15,145       59,340       44,195         19       2020       0       116,500       116,500       456,460       339,960       0.1037       12,081       47,335       35,254         21       2022       116,500       116,500       456,460       339,960       0.0926       10,788       42,268       31,480         22       2023       116,500       116,500       456,460       339,960       0.0826       9,623       37,704       28,081         23       2024       116,500       116,500       456,460       339,960       0.0826       9,623       37,704       28,081         24       2025       116,500       116,500       456,460       339,960       0.0659       7,677       30,081       22,404         25       2026       116,500       116,500       456,460       339,960       0.0588       6,850       26,840       19,990         26       2027       116,500       116,500       456,460       339,960       0.0525       6,116       23,964       17,848         27       2028       116,500       145,460       339,96	16	2017	. 0	116,500	116,500	456,460	339,960	0.1631	19,001	74,449	55,448
19 2020 0 116,500 116,500 456,460 339,960 0.1161 13,526 52,995 39,469 20 2021 116,500 116,500 456,460 339,960 0.1037 12,081 47,335 35,254 21 2022 116,500 116,500 456,460 339,960 0.0926 10,788 42,268 31,480 22 2023 116,500 116,500 456,460 339,960 0.0926 10,788 42,268 31,480 22 2023 116,500 116,500 456,460 339,960 0.0826 9,623 37,704 28,081 23 2024 116,500 116,500 456,460 339,960 0.0738 8,598 33,687 25,089 24 2025 116,500 116,500 456,460 339,960 0.0659 7,677 30,081 22,404 25 2026 116,500 116,500 456,460 339,960 0.0659 7,677 30,081 22,404 26 2027 116,500 116,500 456,460 339,960 0.0588 6,850 26,840 19,990 26 2027 116,500 116,500 456,460 339,960 0.0525 6,116 23,964 17,848 27 2028 116,500 116,500 456,460 339,960 0.0469 5,464 21,408 15,944 28 2029 116,500 116,500 456,460 339,960 0.0419 4,881 19,126 14,245 29 2030 116,500 116,500 456,460 339,960 0.0419 4,881 19,126 14,245 29 2030 116,500 116,500 456,460 339,960 0.0374 4,357 17,072 12,715 30 2031 116,500 116,500 456,460 339,960 0.0334 3,891 15,246 11,355 31 2032 116,500 116,500 456,460 339,960 0.0288 3,472 13,603 10,131 2032 116,500 116,500 456,460 339,960 0.0288 3,472 13,603 10,131 33 2034 116,500 116,500 456,460 339,960 0.0288 2,773 10,864 8,091 34 2035 116,500 116,500 456,460 339,960 0.0212 2,470 9,677 7,207 35 2036 116,500 116,500 456,460 339,960 0.0189 2,202 8,627 6,425 37 2038 116,500 116,500 456,460 339,960 0.0189 2,202 8,627 6,425 37 2038 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 38 2039 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 40 2041 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 41 2042 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 41 2042 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 41 2042 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 41 2042 116,500 116,500 456,460 339,960 0.0115 1,759 6,893 5,134 42 2043 116,500 116,500 456,460 339,960 0.0169 1,969 7,714 5,745 44 2045	17	2018	. 0	116,500	116,500	456,460	339,960	0.1456	16,962	66,461	49,499
202 2021	18	2019	0	116,500	116,500	456,460	339,960	0.1300	15,145	59,340	44,195
202 2021	19	2020	. 0	116,500	116,500	456,460	339,960	0.1161	13,526	52,995	39,469
21       2022       116,500       116,500       456,460       339,960       0.0926       10,788       42,268       31,480         22       2023       116,500       116,500       456,460       339,960       0.0826       9,623       37,704       28,081         23       2024       116,500       116,500       456,460       339,960       0.0659       7,677       30,081       22,404         25       2026       116,500       116,500       456,460       339,960       0.0588       6,850       26,840       19,990         26       2027       116,500       116,500       456,460       339,960       0.0525       6,116       23,964       17,848         28       2029       116,500       116,500       456,460       339,960       0.0469       5,464       21,408       15,944         28       2029       116,500       116,500       456,460       339,960       0.0419       4,881       19,126       14,245         29       2030       116,500       116,500       456,460       339,960       0.0374       4,357       17,072       12,715         30       2031       116,500       116,500       456,460       339,960	20	2021		116,500	116,500	456,460	339,960	0.1037	12,081	47,335	
22       2023       116,500       456,460       339,960       0.0826       9,623       37,704       28,081         23       2024       116,500       116,500       456,460       339,960       0.0738       8,598       33,687       25,089         24       2025       116,500       116,500       456,460       339,960       0.0659       7,677       30,081       22,404         25       2026       116,500       116,500       456,460       339,960       0.0558       6,850       26,840       19,990         26       2027       116,500       116,500       456,460       339,960       0.0525       6,116       23,964       17,848         27       2028       116,500       116,500       456,460       339,960       0.0469       5,464       21,408       15,944         28       2029       116,500       116,500       456,460       339,960       0.0419       4,881       19,126       14,245         29       2030       116,500       116,500       456,460       339,960       0.0374       4,357       17,072       12,715         30       2031       116,500       116,500       456,460       339,960       0.0298 <t< td=""><td>21</td><td>2022</td><td></td><td>116,500</td><td>116,500</td><td>456,460</td><td>339,960</td><td>0.0926</td><td>10,788</td><td></td><td></td></t<>	21	2022		116,500	116,500	456,460	339,960	0.0926	10,788		
23 2024	22	2023			116,500						
24       2025       116,500       116,500       456,460       339,960       0.0659       7,677       30,081       22,404         25       2026       116,500       116,500       456,460       339,960       0.0588       6,850       26,840       19,990         26       2027       116,500       116,500       456,460       339,960       0.0525       6,116       23,964       17,848         27       2028       116,500       116,500       456,460       339,960       0.0469       5,464       21,408       15,944         28       2029       116,500       116,500       456,460       339,960       0.0419       4,881       19,126       14,245         29       2030       116,500       116,500       456,460       339,960       0.0374       4,357       17,072       12,715         30       2031       116,500       116,500       456,460       339,960       0.0334       3,891       15,246       11,355         31       2032       116,500       116,500       456,460       339,960       0.0298       3,472       13,603       10,131         32       2033       116,500       116,500       456,460       339,960       <	23										
25 2026	24	2025	• •								
26 2027	25		· · ·				•				
27       2028       116,500       116,500       456,460       339,960       0.0469       5,464       21,408       15,944         28       2029       116,500       116,500       456,460       339,960       0.0419       4,881       19,126       14,245         29       2030       116,500       116,500       456,460       339,960       0.0374       4,357       17,072       12,715         30       2031       116,500       116,500       456,460       339,960       0.0334       3,891       15,246       11,355         31       2032       116,500       116,500       456,460       339,960       0.0298       3,472       13,603       10,131         32       2033       116,500       116,500       456,460       339,960       0.0266       3,099       12,142       9,043         33       2034       116,500       116,500       456,460       339,960       0.0238       2,773       10,864       8,091         34       2035       116,500       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0	26				•						
28       2029       116,500       116,500       456,460       339,960       0.0419       4,881       19,126       14,245         29       2030       116,500       116,500       456,460       339,960       0.0374       4,357       17,072       12,715         30       2031       116,500       116,500       456,460       339,960       0.0334       3,891       15,246       11,355         31       2032       116,500       116,500       456,460       339,960       0.0298       3,472       13,603       10,131         32       2033       116,500       116,500       456,460       339,960       0.0266       3,099       12,142       9,043         33       2034       116,500       116,500       456,460       339,960       0.0238       2,773       10,864       8,091         34       2035       116,500       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         37       2038       116,500       116,500       456,460       339,960       0.0	27							and the second s			
29 2030	28										
30       2031       116,500       116,500       456,460       339,960       0.0334       3,891       15,246       11,355         31       2032       116,500       116,500       456,460       339,960       0.0298       3,472       13,603       10,131         32       2033       116,500       116,500       456,460       339,960       0.0266       3,099       12,142       9,043         33       2034       116,500       116,500       456,460       339,960       0.0238       2,773       10,864       8,091         34       2035       116,500       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,748         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135<	29										
31       2032       116,500       116,500       456,460       339,960       0.0298       3,472       13,603       10,131         32       2033       116,500       116,500       456,460       339,960       0.0266       3,099       12,142       9,043         33       2034       116,500       116,500       456,460       339,960       0.0238       2,773       10,864       8,091         34       2035       116,500       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,745         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107 <td></td>											
32       2033       116,500       456,460       339,960       0.0266       3,099       12,142       9,043         33       2034       116,500       116,500       456,460       339,960       0.0238       2,773       10,864       8,091         34       2035       116,500       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,745         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0006       1,118											
33       2034       116,500       116,500       456,460       339,960       0.0238       2,773       10,864       8,091         34       2035       116,500       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,745         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       156,500       456,460       339,960       0.0086											
34       2035       116,500       456,460       339,960       0.0212       2,470       9,677       7,207         35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,745         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       116,500       456,460       339,960       0.0096       1,118       4,382       3,264         42       2043       116,500       456,460       339,960       0.0086       1,002       3,926											
35       2036       116,500       116,500       456,460       339,960       0.0189       2,202       8,627       6,425         36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,745         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       116,500       456,460       339,960       0.0096       1,118       4,382       3,264         42       2043       116,500       116,500       456,460       339,960       0.0086       1,002       3,926       2,924         43       2045       45       2046       46       2047       47       2048											
36       2037       116,500       116,500       456,460       339,960       0.0169       1,969       7,714       5,745         37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       116,500       456,460       339,960       0.0096       1,118       4,382       3,264         42       2043       116,500       116,500       456,460       339,960       0.0086       1,002       3,926       2,924         43       2044       116,500       116,500       456,460       339,960       0.0076       885       3,469       2,584         45       2046       46       2047       47       2048       48       2049											
37       2038       116,500       116,500       456,460       339,960       0.0151       1,759       6,893       5,134         38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       116,500       456,460       339,960       0.0096       1,118       4,382       3,264         42       2043       116,500       116,500       456,460       339,960       0.0086       1,002       3,926       2,924         43       2044       116,500       116,500       456,460       339,960       0.0076       885       3,469       2,584         45       2046       46       2047       47       2048       48       2049							-		and the second s		
38       2039       116,500       116,500       456,460       339,960       0.0135       1,573       6,162       4,589         39       2040       116,500       116,500       456,460       339,960       0.0120       1,398       5,478       4,080         40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       116,500       456,460       339,960       0.0096       1,118       4,382       3,264         42       2043       116,500       116,500       456,460       339,960       0.0086       1,002       3,926       2,924         43       2044       116,500       116,500       456,460       339,960       0.0076       885       3,469       2,584         44       2045       450,460       339,960       0.0076       885       3,469       2,584         45       2046       46       2047       47       2048       48       2049											
39 2040				•						and the second second	
40       2041       116,500       116,500       456,460       339,960       0.0107       1,247       4,884       3,637         41       2042       116,500       116,500       456,460       339,960       0.0096       1,118       4,382       3,264         42       2043       116,500       116,500       456,460       339,960       0.0086       1,002       3,926       2,924         43       2044       116,500       116,500       456,460       339,960       0.0076       885       3,469       2,584         44       2045         45       2046         46       2047         47       2048         48       2049											
41 2042											
42 2043				-	•	•					
43 2044 116,500 116,500 456,460 339,960 0.0076 885 3,469 2,584 44 2045 45 2046 46 2047 47 2048 48 2049											
44 2045 45 2046 46 2047 47 2048 48 2049											
45 2046 46 2047 47 2048 48 2049				110,500	110,500	450,460	339,960	0.0076	885	3,469	2,584
46 2047 47 2048 48 2049											
47 2048 48 2049									1.11		
48 2049								100		100	
								e de la companya de l			
2,593,600 4,660,000 7,253,600 18,258,400 11,004,800 1,965,132 2,678,328 713,196	48	2049	A 500 500			10.050 155	44.001.055	<u> </u>	4.000 -00		<b>-</b>
			2,593,600	4,660,000	7,253,600	18,258,400	11,004,800	·	1,965,132	2,678,328	713,196

N.P.V=	713,196
B/C=	1.36
EIRR=	22.4%

Table L-23-10 Rangeland vegetation improvement	ent (Economic Analysis) (K8-28 Zeras	ſs.

(1,000Rls.)

	37	n	00340	m-4-1-0	maal Die me	M. t D 64		I = 12	2%	
	Year		O&M Cost	Total Cost	Total Benefit	Net Benefit	Discount Rate	Cost	Benefit	N.P.V
1	2002	1,050	0	1,050		-1,050	0.8929	938	0	-93
2	2003	1,050	0	1,050	. 0	-1,050		837	0	-83
3	2004	1,050	0	1,050	0	-1,050	0.7118	747	0	-74
4	2005	1,050	6,400	7,450	113,030	105,580	0.6355	4,734	71,831	67,09
5	2006	1,050	6,400	7,450	113,030	105,580	0.5674	4,227	64,133	59,90
6	2007	1,050	6,400	7,450	113,030	105,580	0.5066	3,774	57,261	53,48
7	2008	1,050	. 6,400	7,450	113,030	105,580	0.4523	3,370	51,123	47,75
8	2009	1,050	6,400	7,450		105,580	0.4039	3,009	45,653	42,64
9	2010	1,050	6,400	7,450		105,580	0.3606	2,686	40,759	38,07
10	2011	1,050	6,400	7,450		105,580	0.3220	2,399	36,396	33,99
11	2012	0	6,400	6,400		106,630		1,840	32,496	30,65
12	2013	0	6,400	6,400		106,630		1,643	29,015	27,37
13.	2014	0	6,400	6,400	113,030	106,630		1,467	25,906	24,4.
14		. 0	6,400	6,400		106,630	0.2046	1,309	23,126	21,81
15		ő	6,400	6,400		106,630	0.1827	1,169	20,651	19,48
16	2017	0	6,400	6,400		106,630		1,044	18,435	17,39
17	2018	0	6,400	6,400	113,030	106,630	0.1456	932	16,457	15,52
18	2019	0	6,400	6,400		106,630	0.1300	832	14,694	13,80
10 19		0		6,400		106,630		743	13,123	12,3
			6,400							11,0
20	2021		6,400	6,400		106,630			11,721	
21	2022		6,400	6,400		106,630	0.0926	593	10,467	9,8
22	2023		6,400	6,400		106,630		529	9,336	8,8
23	2024	100	6,400	6,400		106,630	0.0738	472	8,342	7,8
24	2025		6,400	6,400		106,630		422	7,449	7,0
25	2026		6,400	6,400		106,630	0.0588	376	6,646	6,2
26	2027		6,400	6,400		106,630	0.0525	336	5,934	5,5
27	2028		6,400	6,400	and the second s	106,630	0.0469	300	5,301	5,0
28	2029	40 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	6,400	6,400	113,030	106,630	0.0419	268	4,736	4,4
29	2030		6,400	6,400	113,030	106,630	0.0374	239	4,227	3,9
30	2031		6,400	6,400		106,630		214	3,775	3,5
31	2032		6,400	6,400		106,630	0.0298	191	3,368	3,1
32	2033	1 1.	6,400	6,400	113,030	106,630	0.0266	170	3,007	2,83
33	2034		6,400	6,400	113,030	106,630	0.0238	152	2,690	2,5
34	2035		6,400	6,400		106,630	0.0212	136	2,396	2,20
35	2036		6,400	6,400	113,030	106,630	0.0189	121	2,136	2,01
36	2037	•	6,400	6,400	113,030	106,630	0.0169	108	1,910	1,80
37	2038	•	6,400	6,400	113,030	106,630	0.0151	97	1,707	1,6
38	2039		6,400	6,400	113,030	106,630	0.0135	86	1,526	1,44
39	2040		6,400	6,400	113,030	106,630	0.0120	77	1,356	1,2
40	2041		6,400	6,400	113,030	106,630	0.0107	68	1,209	1,14
41	2042			, N			-			
42	2043	$s = \{ 1, \ldots, p \in \mathbb{F}_{p,p} \}$						*		
43	2044	to Table				:				
44	2045		18 J. F. J.							
45	2046						**			
46	2047									
47	2048					-		·		
48	2049									
TU	2077	10,500	236,800	·						

N.P.V=	616,979
B/C=	15.24
EIRR=	366,5%

Table L-2	3-11 Milk Process	ing and Marketin	ag (Economic	Analysis) (K8-28	(Zeras
		and the second			
		**			

(1,000Rls.)	

			O CALCO-					l = 1	2%	(1,000KIS.)
	Year	Project Cost				Net Benefit	Discount Rate	Cost	Benefit	N.P.V
1	2002	61,960	0	61,960		,	0.8929	55,324	0	-55,324
2	2003	61,960	0	61,960			0.7972	49,395	0	-49,395
3	2004	61,960	0	61,960		•	0.7118	44,103	0	-44,103
4	2005	61,960	719,180	781,140	•	179,540	0.63 <i>55</i>	496,414	610,512	114,098
5	2006	61,960	719,180	781,140	•	179,540	0.5674	443,219	545,090	101,871
6	2007	0	719,180	719,180		241,500	0.5066	364,337	486,680	122,343
7	2008	0	719,180	719,180		241,500	0.4523	325,285	434,516	109,231
. 8	2009	0	719,180	719,180		241,500	0.4039	290,477	388,019	97,542
9	2010	0	719,180	719,180		241,500	0.3606	259,336	346,421	87,085
10		0	719,180	719,180			0.3220	231,576	309,339	77,763
11		0	719,180	719,180		241,500	0.2875	206,764	276,196	69,432
12		0	719,180	719,180		241,500	0.2567	184,614	246,607	61,993
13		0	719,180	719,180		241,500	0.2292	164,836	220,188	55,352
14		. 0	719,180	719,180		241,500	0.2046	147,144	196,555	49,411
15		0	719,180	719,180		241,500	0.1827	131,394	175,516	44,122
16		0	719,180	719,180		241,500	0.1631	117,298	156,687	39,389
17		0	719,180	719,180		241,500	0.1456	104,713	139,875	35,162
18		0	719,180	719,180		241,500	0.1300	93,493	124,888	31,395
19		0	719,180	719,180		241,500		83,497	111,535	28,038
20			719,180	719,180		241,500	0.1037	74,579	99,623	25,044
21			719,180	719,180		241,500	0.0926	66,596	88,959	22,363
22			719,180	719,180		241,500	0.0826	59,404	79,352	19,948
23		1 - 1	719,180	719,180		241,500	0.0738	53,075	70,898	17,823
. 24			719,180	719,180		241,500	0.0659	47,394	63,309	15,915
25			719,180	719,180		241,500	0.0588	42,288	56,488	14,200
26			719,180	719,180		241,500	0.0525	37,757	50,436	12,679
27			719,180	719,180	960,680	241,500	0.0469	33,730	45,056	11,326
28			719,180	719,180	960,680	241,500	0.0419	30,134	40,252	10,118
29		* * *	719,180	719,180	960,680	241,500	0.0374	26,897	35,929	9,032
30			719,180	719,180		241,500	0.0334	24,021	32,087	8,066
31			719,180	719,180		241,500	0.0298	21,432	28,628	7,196
32			719,180	719,180	960,680	241,500	0.0266	19,130	25,554	6,424
33		1.1	719,180	719,180		241,500	0.0238	17,116	22,864	5,748
34			719,180	719,180		241,500	0.0212	15,247	20,366	5,119
35			719,180	719,180	960,680	241,500	0.0189	13,593	18,157	4,564
36									and the Tax to	
37 38									ter.	
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47										
48			and the second	* .						
70	んいサン	309,800	23,013,760	23,323,560	30,741,760	7,418,200		4,375,612	5,546,582	1,170,970
		202,000	700,010,700	00,020,000	JU,741,700	1,710,200	\$	4.373.012	J,J40,J6Z	1.1/0.9/0

N.]	P. <b>V</b> =	1,	170	),970
I	3/C=	27.	- 1	1.27
EI	RR=		6	2.3%

		-12Rural Water	· · · · · · · · · · · · · · · · · · ·	vemnt (Econo	omic Analysis)	(K8-28 Zeras	)	I = 1	170%	(1,000Rls
	Year	Project Cost	O&M Cost	Total Cost	Total Benefit	Net Benefit	Discount Rate	I ≡ J Cost	Benefit	N.P.V
1 .	2002	942,834	0	942,834	0	-942,834	0.8929	841,856	0	-841,85
2	2003	942,833	0	942,833		-942,833	0.7972	751,626	0	-751,62
3	2004	942,833	0	942,833		-942,833	0.7118	671,109	0	-671,10
1	2005	0	128,900	128,900		-115,200	0.6355	81,916	8,706	-73,2
5	2006	0	128,900	128,900		-115,200	0.5674	73,138	7,773	-65,36
5	2007	. 0	128,900	128,900		-115,200	0.5066	65,301	6,940	-58,36
7	2008	0	128,900	128,900		-115,200	0.4523	58,301	6,197	-52,10
8	2009	0	128,900	128,900		-115,200	0.4039	52,063	5,533	-46,53
9	2010	0	128,900	128,900		-115,200	0.3606	46,481	4,940	-41,54
10	2011	0	128,900	128,900	•	-115,200	0.3220	41,506	4,411	-37,09
11	2012	· 0	128,900	128,900		-115,200	0.2875	37,059	3,939	-33,12
12	2013	ŏ	128,900	128,900		-115,200	0.2567	33,089	3,517	-29,57
13	2014	Õ	128,900	128,900		-115,200	0.2292	29,544	3,140	-26,40
14	2015	0	128,900	128,900		-115,200	0.2046	26,373	2,803	-23,57
15	2016	. 0	128,900	128,900		-115,200	0.1827	23,550	2,503	-21,04
16	2017	0	128,900	128,900		-115,200	0.1631	21,024	2,234	-18,79
17	2018	ŏ	128,900	128,900		-115,200	0.1456	18,768	1,995	-16,77
18	2019	0	128,900	128,900		-115,200	0.1300	16,757	1,781	-14,97
19	2020	0	128,900	128,900		-115,200	0.1161	14,965	1,591	-13,37
20	2021		128,900	128,900		-115,200	0.1037	13,367	1,421	-11,94
21	2022		128,900	128,900		-115,200	0.0926	11,936	1,269	-10,66
22	2023		128,900	128,900		-115,200	0.0826	10,647	1,132	-10,0
23	2024		128,900	128,900		115,200	0.0738	9,513	1,011	-8,50
24	2025		128,900	128,900		-115,200	0.0659	8,495	903	-0,5 -7,5
25	2026		128,900	128,900		-115,200	0.0588	7,579	806	-6 <b>,</b> 7
26	2027		128,900	128,900		-115,200	0.0525	6,767	719	-6,0
27	2028		128,900	128,900		-115,200	0.0469	6,045	643	-5,40
28	2029		128,900	128,900		-115,200	0.0409	5,401	574	-4,82
29	2030		128,900	128,900		-115,200	0.0374	4,821	512	-4,3
30 T	2031		128,900	128,900		-115,200	0.0334	4,305	458	-3,84
31 ·	2032		128,900	128,900		-115,200	0.0298	3,841	408	-3,43
32	2032		128,900	128,900		-115,200	0.0256	3,429	364	-3,06
33	2034	, i	128,900	128,900		-115,200	0.0238	3,068	326	-2,74
34	2035		120,500	120,200	13,700	-115,200	0.0238	3,000	320	-2,7-
35	2036		• • •	•			1.00			
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47	2048			and the second				4		•
48	2049	0.000.500	0.045.55	2.00 - 20 -		<u> </u>	· · · · · · · · · · · · · · · · · · ·	0.000 515		A 0 = = =
" -		2,828,500	3,867,000	6,695,500	411,000	-6,284,500		3,003,640	78,549	-2,925,09

N.P.V=	-2,925,091
B/C=	0.03
EIRR=	#DIV/0!

Lat	ole L/23	13 Rural road	improvement	(Economic An	ialysis) (K8-28	Zeras)	······································			(1,000Rls.)
	Year	Project Cost	O&M Cost	Total Cost	Total Benefit	Net Benefit	Division	I=1		NID W
1	2002	1,129,834	0	1,129,834	0	-1,129,834	Discount Rate 0.8929	Cost 1,008,829	Benefit 0	N.P.V -1,008,829
2	2002	1,129,833	0	1,129,833	-					
3	2003	1,129,833	0	1,129,833	0	-1,129,833 -1,129,833	0.7972 0.7118	900,703	0	-900,70 -804,21
4	2005	1,123,033	134,300	134,300		923,320		804,215 85,348	672,118	586,77
5	2005	0	134,300	134,300		923,320			600,094	
6	2007	. 0	134,300	134,300		923,320		76,202 68,036	535,790	523,89
7	2008	. 0	134,300	134,300		923,320	0.4523	60,744	478,362	467,75 417,61
8	2009	0	134,300	134,300		923,320			427,173	372,92
9	2010	0	134,300	134,300		923,320		54,244 48,429	381,378	372,92
10	2011	0	134,300	134,300		923,320		43,245	340,554	297,30
11	2012	0	134,300	134,300	1,057,620	923,320			304,066	265,455
12	2012	0	134,300	134,300		923,320		38,611 34,475	271,491	237,010
13	2014	. 0	134,300	134,300		923,320		30,782	242,407	257,010
14	2015	. 0	134,300	134,300		923,320	0.2292	27,478	216,389	188,91
15	2016	0	134,300	134,300	1,057,620	923,320		24,537	193,227	168,690
16	2017	0	134,300	134,300		923,320		21,904	172,498	150,594
17	2018	0	134,300	134,300	1,057,620	923,320	0.1456	19,554	153,989	134,43
18	2019	. 0	134,300	134,300	1,057,620	923,320	0.1300	17,459	137,491	120,03
19	2020	ŏ	134,300	134,300		923,320	0.1360	15,592	122,790	107,19
20	2021	•	134,300	134,300		923,320	0.1101	13,927	109,675	95,74
21	2022		134,300	134,300		923,320	0.0926	12,436		85,50
22	2023	•	134,300	134,300	1,057,620	923,320		11,093	87,359	76,26
23	2024		134,300	134,300		923,320		9,911	78,052	68,14
24	2025		134,300	134,300	1,057,620	923,320		8,850	69,697	60,84
25.	2026		134,300	134,300		923,320	0.0588	7,897	62,188	54,29
<b>2</b> 6	2027		134,300	134,300	1,057,620	923,320		7,051	55,525	48,47
27	2028		134,300	134,300		923,320	0.0469	6,299	49,602	43,30
28	2029		134,300	134,300		923,320	0.0419	5,627	44,314	38,68
29	2030		134,300	134,300	1,057,620	923,320	0.0374	5,023	39,555	34,532
30	2031		134,300	134,300	1,057,620	923,320	0.0334	4,486	35,325	30,839
31	2032	•	134,300	134,300		923,320	0.0298	4,002	31,517	27,51
32	2033		134,300	134,300		923,320	0.0266	3,572	28,133	24,56
33	2034		134,300	134,300	1,057,620	923,320	0.0238	3,196	25,171	21,97
34	2035									
35	2036	•								
36	2037						•			
37	2038				1.					
38	2039		•						and the second	
39	2040					1		-		
40	2041						•			
41	2042									
42	2043									
43	2044									
44	2045	4			* .			t.	1.5	
45	2046		•							
46	2047									
47	2048	_								
48	2049		<u> </u>				· · · · · · · · · · · · · · · · · · ·		er er er er er er er	
		3,389,500	4,029,000	7,418,500	31,728,600	24,310,100		3,483,757	6,063,866	2,580,109

N.P.V=	2,580,109
B/C=	1.74
EIRR=	22.0%

					c Analysis) (K			I = 1	2%	(1,000Rls
	Year	Project Cost	O&M Cost	.Total Cost	Total Benefit	Net Benefit	Discount Rate	Cost	Benefit	N.P.V
1	2002	- 34,939	0	34,939	0	-34,939	0.8929	31,197	0	-31,19
2	2003	34,933	. 0	34,933	0	-34,933	0.7972	27,849	0	-27,84
3	2004	34,933	0	34,933	. 0	-34,933	0.7118	24,865	. 0	-24,86
4	2005	34,933	87,000	121,933	225,600	103,667	0.6355	77,488	143,369	65,88
5	2006	34,933	87,000	121,933	225,600	103,667	0.5674	69,185	128,005	58,82
6	2007	34,933	87,000	121,933	225,600	103,667	0.5066	61,771	114,289	52,51
7 .	2008	34,933	87,000	121,933	225,600	103,667	0.4523	55,150	102,039	46,88
8 .	2009	34,933	87,000	121,933	225,600	103,667	0.4039	49,249	91,120	41,87
9	2010.	34,933	87,000	121,933	225,600	103,667	0.3606	43,969	81,351	37,38
10	2011	34,933	87,000	121,933	225,600	103,667	0.3220	39,262	72,643	33,38
11	2012	34,933	87,000	121,933	225,600	103,667	0.2875	35,056	64,860	29,80
12	2013	34,933	87,000	121,933	225,600	103,667	0.2567	31,300	57,912	26,61
13	2014	34,933	87,000	121,933	225,600	103,667	0.2292	27,947	51,708	23,76
14	2015	34,933	87,000	121,933	225,600	103,667	0.2046	24,947	46,158	21,21
15	2016	34,933	87,000	121,933	225,600	103,667	0.1827	22,277	41,217	18,94
16	2017	34,933	87,000	121,933	225,600	103,667	0.1631	19,887	36,795	16,90
17	2018	34,933	87,000	121,933	225,600	103,667	0.1456	17,753	32,847	15,09
18	2019	34,933		121,933	225,600	103,667		15,851	29,328	13,47
19	2020	. 0	87,000	87,000	225,600	138,600		10,101	26,192	16,09
20	2021		87,000	87,000	225,600	138,600		9,022	23,395	14,37
21	2022		87,000	87,000	225,600	138,600		8,056	20,891	12,83
22	2023		87,000	87,000	225,600	138,600		7,186	18,635	11,4
23	2024		87,000	87,000		138,600	0.0738	6,421	16,649	10,2
24	2025		87,000	87,000	225,600	138,600		5,733	14,867	9,13
25	2026		87,000	87,000	225,600	138,600		5,116	13,265	8,14
26	2027		87,000	87,000	225,600	138,600		4,568	11,844	7,2
27	2028		87,000	87,000	225,600	138,600		4,080	10,581	6,50
28	2029		87,000	87,000	225,600	138,600		3,645		5,80
29	2030		87,000	87,000	225,600	138,600		3,254	8,437	5,1
30	2031		87,000	87,000		138,600	0.0334	2,906	7,535	4,6
31	2032		87,000	87,000	225,600	138,600		2,593	6,723	4,13
32	2033	• *	87,000	87,000	225,600	138,600		2,314	6,001	3,68
33	2034		87,000	87,000	225,600	138,600		2,071	5,369	3,29
34	2035		87,000	87,000		138,600		1,844	4,783	2,93
35	2036		87,000	87,000		138,600		1,644	4,264	2,62
36	2037		87,000	87,000	225,600	138,600	0.0169	1,470	3,813	2,34
37	2038	1.1	87,000	87,000	225,600	138,600	0.0151	1,314	3,407	2,09
38	2039		87,000	87,000	225,600	138,600	0.0135	1,175	3,046	1,87
39	2040	*.	87,000	87,000	225,600	138,600	0.0120	1,044	2,707	1,60
40	2041		87,000	87,000	225,600	138,600		931	2,414	1,48
41	2042	the Artist Contract	87,000	87,000		138,600		835	2,166	1,33
42	2043		87,000	87,000	225,600	138,600	0.0086	748	1,940	1,19
13	2044		87,000	87,000	225,600	138,600	0.0076	661	1,715	1,05
14	2045		87,000	87,000	225,600	138,600	0.0078	592	1,534	94
15	2046		87,000	87,000	225,600	138,600	0.0061	531	1,334 1,376	84
46	2047		87,000	87,000	225,600	138,600	0.0054	470	1,218	74
47	2048		87,000	87,000	225,600	138,600	0.0034	426	1,105	67
<del>4</del> 8	2049	1000	87,000	87,000	225,600	138,600	0.0043	374	970	59
	20.47	628,800	3,915,000	4,543,800	10,152,000	5,608,200	0.0073	766,128	1,329,936	563,80

N.P.V≕	563,808
B/C=	1.74
EIRR=	58.3%

Table L-23-15 Economic Evaluation of the Proposed Prijects (Grand Total) (K8-28 Zeras)

(1,000Rls.) I = 12% Year Total cost Total benefit Net Benefit Discount Rate N.P.V Cost Benefit 1 ō 2,623,746 -2,623,746 0 0.8929 2,342,743 -2,342,743 2 2,623,743 0 -2,623,743 0.7972 2,091,648 0 -2,091,648 3 0 2,636,043 ~2,636,043 0.7118 1,876,335 0 -1,876,335 4 2,292,557 3,302,430 1,009,873 0.6355 1,456,920 2,098,694 641,774 5 2,292,557 3,302,430 1,009,873 0.5674 1,300,797 1,873,799 573,002 6 2,230,597 3,302,430 1,071,833 0.5066 1,130,020 1,673,011 542,991 7 2,261,997 3,849,760 1,587,763 0.4523 1,023,101 1,741,246 718,145 8 2,261,997 3,849,760 1,587,763 0.4039 913,621 1,554,918 641,297 9 1,489,772 3,849,760 2,359,988 0.3606 537,212 1,388,223 851,011 10 1,489,772 3,849,760 2,359,988 0.3220 479,707 1,239,623 759,916 2,361,038 11 1,488,722 3,849,760 428,008 1.106.806 0.2875 678,798 12 1,488,722 3,849,760 2,361,038 0.2567 382,155 988,233 606,078 13 882,365 1,488,722 3,849,760 2,361,038 0.2292 341,215 541,150 14 1,289,214 3,849,760 2,560,546 0.2046 263,773 787,661 523,888 15 1,289,214 3,849,760 2,560,546 0.1827 235,539 703,351 467,812 16 1,289,214 3,849,760 2,560,546 627,896 0.1631 210,271 417,625 17 1,289,214 3,849,760 2,560,546 0.1456 187,710 560,525 372,815 18 1,289,214 3,849,760 2,560,546 0.1300 167,598 500,469 332,871 3,849,760 19 1,254,280 2,595,480 0.1161 145,622 446,957 301,335 20 1,254,280 3,849,760 399,220 2,595,480 0.1037 130,069 269,151 21 1,254,280 3,849,760 2,595,480 0.0926 116,146 356,488 240,342 22 3.849.760 1,254,280 2,595,480 0.0826 103,604 317,990 214,386 23 1,254,280 3,849,760 2,595,480 0.0738 92,566 284,112 191,546 24 1,254,280 3,849,760 2,595,480 0.0659 82,657 253,699 171,042 25 1,254,280 3,849,760 2,595,480 73,752 226,366 152,614 0.0588 26 1,254,280 3,849,760 2,595,480 202,112 0.0525 65,850 136,262 27 1,254,280 3,849,760 2,595,480 0.0469 58,826 180,554 121,728 28 1,254,280 3,849,760 2,595,480 0.0419 52,554 161,305 108,751 29 1,254,280 3,849,760 2,595,480 0.0374 46,910 143,981 97,071 3,849,760 30 1,254,280 2,595,480 0.0334 41,893 128,582 86,689 31 1,254,280 3,849,760 2,595,480 0.029837,378 114,723 77,345 32 1,254,280 3,849,760 2,595,480 0.0266 33,364 102,404 69,040 33 1,254,280 3,849,760 2,595,480 0.0238 29,852 91,624 61,772 34 3,849,760 2,595,480 1,254,280 0.0212 26,591 81,615 55,024 35 1,254,280 3,849,760 2,595,480 0.0189 23,706 72,760 49,054 36 1,254,280 3,849,760 2,595,480 0.0169 21,197 65,061 43,864 37 1,254,280 3,849,760 2,595,480 0.0151 18,940 58,131 39,191 38 1,254,280 3,849,760 2,595,480 0.0135 16,933 51,972 35,039 39 1,254,280 3,849,760 2,595,480 0.0120 15,051 46,197 31,146 13,421 40 1,254,280 3,849,760 2,595,480 0.0107 41,192 27,771 41 1,254,280 3,849,760 2,595,480 0.0096 12,041 36,958 24,917 42 1,254,280 3,849,760 2,595,480 0.0086 10,787 33,108 22,321 43 9,533 1,254,280 3,849,760 2,595,480 0.0076 29,258 19,725 44 1,254,280 3,849,760 2,595,480 0.0068 8,529 26,178 17,649 45 1,254,280 3,849,760 2,595,480 0.0061 7,651 23,484 15,833 46 3,849,760 1,254,280 2,595,480 0.0054 20,789 14,016 6,773 47 1,254,280 3,849,760 2,595,480 0.0049 18,864 6,146 12,718 48 1,254,280 3,849,760 2,595,480 0.0043 16,554 5,393 11,161 171,597,210 100,853,793 16,682,108 5,076,950 70,743,417 21,759,058

N.P.V=	5,076,950
B/C=	1.30
EIRR=	18.4%

