Table 9.7 Irrigation Benefit (1/11)
(Bang Giang & Ky Cung River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$439 /ha	**106,400 ha**	**29,636,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**42,600 ha**	**13,904,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	5,000 ha	1,000,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	0 ha	0
Maize	Irrigated	144	-	2.50	360	216	60%	144	10,000 ha	1,440,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	6,300 ha	655,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	2,000 ha	328,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	0 ha	0
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	1,000 ha	180,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	0 ha	0
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	7,000 ha	4,662,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	11,300 ha	5,639,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**48,600 ha**	**10,064,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	25,000 ha	5,000,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	11,000 ha	1,265,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	6,300 ha	655,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	0 ha	0
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	0 ha	0
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	0 ha	0
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	6,300 ha	3,144,000
3. Year Round Crop									**10,000 ha**	**4,004,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	500 ha	280,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	9,500 ha	3,724,000
4. Perenial Crop									**5,200 ha**	**1,664,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	0 ha	0
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	5,200 ha	1,664,000
Future Condition								$1,120 /ha	**123,500 ha**	**75,584,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**56,000 ha**	**38,064,000**
Paddy	Irrigated	125	100%	5.00	625	250	40%	375	7,000 ha	2,625,000
Maize	Irrigated	144	115%	4.00	576	230	40%	346	22,000 ha	7,612,000
Sweet Potatoes	Irrigated	63	50%	7.00	441	176	40%	265	3,000 ha	795,000
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	2,000 ha	676,000
Vegetables	Irrigated	208	166%	9.60	1,997	799	40%	1,198	22,000 ha	26,356,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**56,000 ha**	**28,940,000**
Paddy	Irrigated	125	-	5.00	625	250	40%	375	36,000 ha	13,500,000
Maize	Irrigated	144	-	4.00	576	230	40%	346	10,000 ha	3,460,000
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	0 ha	0
Vegetables	Irrigated	208	-	9.60	1,997	799	40%	1,198	10,000 ha	11,980,000
3. Year Round Crop									**2,500 ha**	**2,100,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	2,500 ha	2,100,000
4. Perenial Crop									**9,000 ha**	**6,480,000**
Coffee,etc.	Irrigated	500	-	2.40	1,200	480	40%	720	9,000 ha	6,480,000
Increment	0.90 (SCF)	139	per ton					$681 /ha	**17,100 ha**	**45,948,000**
								Irrigation Area	67,500 ha	

Table 9.7 Irrigation Benefit (2/11)
(Ma River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$342 /ha	**352,100 ha**	**68,204,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**152,500 ha**	**26,901,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	91,000 ha	18,200,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	32,000 ha	3,680,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	12,200 ha	1,269,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	8,200 ha	992,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	4,700 ha	564,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	0 ha	0
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	4,400 ha	2,196,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**172,500 ha**	**30,476,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	106,000 ha	21,200,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	37,000 ha	4,255,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	12,200 ha	1,269,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	8,200 ha	992,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	4,700 ha	564,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	0 ha	0
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	4,400 ha	2,196,000
3. Year Round Crop									**20,600 ha**	**8,747,000**
Sugar Cane, etc.	Irrigated	28	-	45.00	1,260	756	60%	504	6,000 ha	3,024,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	14,600 ha	5,723,000
4. Perenial Crop									**6,500 ha**	**2,080,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	0 ha	0
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	6,500 ha	2,080,000
Future Condition								$697 /ha	**354,500 ha**	**139,114,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**155,000 ha**	**53,755,000**
Paddy	Irrigated	125	100%	4.10	513	205	40%	308	144,000 ha	44,352,000
Maize	Irrigated	144	115%	3.60	518	207	40%	311	1,000 ha	311,000
Sweet Potatoes	Irrigated	63	50%	8.00	504	202	40%	302	2,000 ha	604,000
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	0 ha	0
Vegetables	Irrigated	208	166%	8.50	1,768	707	40%	1,061	8,000 ha	8,488,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**164,000 ha**	**56,034,000**
Paddy	Irrigated	125	-	4.10	513	205	40%	308	144,000 ha	44,352,000
Maize	Irrigated	144	-	3.00	432	173	40%	259	10,000 ha	2,590,000
Sweet Potatoes	Irrigated	63	-	8.00	504	202	40%	302	2,000 ha	604,000
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	0 ha	0
Vegetables	Irrigated	208	-	8.50	1,768	707	40%	1,061	8,000 ha	8,488,000
3. Year Round Crop									**30,000 ha**	**25,200,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	30,000 ha	25,200,000
4. Perenial Crop									**5,500 ha**	**4,125,000**
Coffee,etc.	Irrigated	500	-	2.50	1,250	500	40%	750	5,500 ha	4,125,000
Increment	0.90 (SCF)	139	per ton					$355 /ha	**2,400 ha**	**70,910,000**
								Irrigation Area	199,500 ha	

Table 9.7 Irrigation Benefit (3/11)
(Ca River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$352 /ha	**374,000 ha**	**71,370,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**180,000 ha**	**33,059,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	67,000 ha	13,400,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	47,000 ha	5,405,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	1,000 ha	144,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	10,000 ha	1,040,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	11,000 ha	1,804,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	11,000 ha	1,331,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	10,500 ha	1,890,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	9,500 ha	1,140,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	2,500 ha	1,665,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	10,500 ha	5,240,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**180,000 ha**	**33,087,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	88,000 ha	17,600,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	59,000 ha	6,785,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	1,000 ha	144,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	10,000 ha	1,040,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	1,000 ha	164,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	5,000 ha	605,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	500 ha	90,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	3,500 ha	420,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	1,500 ha	999,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	10,500 ha	5,240,000
3. Year Round Crop									**8,000 ha**	**3,304,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	1,000 ha	560,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	7,000 ha	2,744,000
4. Perenial Crop									**6,000 ha**	**1,920,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	0 ha	0
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	6,000 ha	1,920,000
Future Condition								$767 /ha	**365,000 ha**	**155,606,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**162,000 ha**	**61,566,000**
Paddy	Irrigated	125	100%	4.70	588	235	40%	353	103,000 ha	36,359,000
Maize	Irrigated	144	115%	4.00	576	230	40%	346	9,000 ha	3,114,000
Sweet Potatoes	Irrigated	63	50%	7.00	441	176	40%	265	18,000 ha	4,770,000
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	23,000 ha	7,774,000
Vegetables	Irrigated	208	166%	8.50	1,768	707	40%	1,061	9,000 ha	9,549,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**162,000 ha**	**62,300,000**
Paddy	Irrigated	125	-	4.70	588	235	40%	353	132,000 ha	46,596,000
Maize	Irrigated	144	-	4.00	576	230	40%	346	9,000 ha	3,114,000
Sweet Potatoes	Irrigated	63	-	7.00	441	176	40%	265	4,000 ha	1,060,000
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	9,000 ha	3,042,000
Vegetables	Irrigated	208	-	8.50	1,768	707	40%	1,061	8,000 ha	8,488,000
3. Year Round Crop									**11,000 ha**	**9,240,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	11,000 ha	9,240,000
4. Perenial Crop									**30,000 ha**	**22,500,000**
Coffee,etc.	Irrigated	500	-	2.50	1,250	500	40%	750	30,000 ha	22,500,000
Increment	0.90 (SCF)	139	per ton					$415 /ha	**-9,000**	**84,236,000**
								Irrigation Area	203,000 ha	

Table 9.7 Irrigation Benefit (4/11)
(Thach Han River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$339 /ha	**25,700 ha**	**5,221,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**11,200 ha**	**1,943,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	4,000 ha	800,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	5,000 ha	575,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	300 ha	31,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	300 ha	49,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	400 ha	48,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	300 ha	54,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	300 ha	36,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	300 ha	200,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	300 ha	150,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**10,300 ha**	**1,840,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	4,000 ha	800,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	4,100 ha	472,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	300 ha	31,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	300 ha	49,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	400 ha	48,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	300 ha	54,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	300 ha	36,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	300 ha	200,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	300 ha	150,000
3. Year Round Crop									**1,200 ha**	**470,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	0 ha	0
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	1,200 ha	470,000
4. Perenial Crop									**3,000 ha**	**968,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	100 ha	40,000
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	2,900 ha	928,000
Future Condition								$726 /ha	**26,600 ha**	**11,181,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**12,200 ha**	**4,569,000**
Paddy	Irrigated	125	100%	4.80	600	240	40%	360	9,000 ha	3,240,000
Maize	Irrigated	144	115%	4.00	576	230	40%	346	1,400 ha	484,000
Sweet Potatoes	Irrigated	63	50%	7.00	441	176	40%	265	400 ha	106,000
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	1,100 ha	372,000
Vegetables	Irrigated	208	166%	9.80	2,038	815	40%	1,223	300 ha	367,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**11,200 ha**	**4,176,000**
Paddy	Irrigated	125	-	4.80	600	240	40%	360	8,000 ha	2,880,000
Maize	Irrigated	144	-	4.00	576	230	40%	346	1,400 ha	484,000
Sweet Potatoes	Irrigated	63	-	6.50	410	164	40%	246	400 ha	98,000
Groundnuts	Irrigated	375	-	1.40	525	210	40%	315	1,100 ha	347,000
Vegetables	Irrigated	208	-	9.80	2,038	815	40%	1,223	300 ha	367,000
3. Year Round Crop									**400 ha**	**336,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	400 ha	336,000
4. Perenial Crop									**2,800 ha**	**2,100,000**
Coffee,etc.	Irrigated	500	-	2.50	1,250	500	40%	750	2,800 ha	2,100,000
Increment	0.90 (SCF)	139	per ton					$387 /ha	**900 ha**	**5,960,000**
								Irrigation Area	15,400 ha	

Table 9.7 Irrigation Benefit (5/11)
(Huong River Project)

Crop			Net Income per ha (US$/ha)							Total	
			Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
			US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition									$307 /ha	**44,386 ha**	**7,949,000**
1. Winter - Spring Crop			-	-	-	-	-	-	-	**25,900 ha**	**4,366,000**
Paddy		Irrigated	125	-	2.80	350	210	60%	140	18,022 ha	2,523,000
Maize		Rainfed	144	-	1.20	173	104	60%	69	78 ha	5,000
Sweet Potatoes		Rainfed	63	-	4.80	302	181	60%	121	4,838 ha	585,000
Groundnuts		Rainfed	375	-	1.20	450	270	60%	180	706 ha	127,000
Vegetables		Rainfed	208	-	6.00	1,248	749	60%	499	2,256 ha	1,126,000
2. Summer - Autumun Crop			-	-	-	-	-	-	-	**18,486 ha**	**3,583,000**
Paddy		Irrigated	125	-	3.00	375	225	60%	150	15,197 ha	2,280,000
Maize		Rainfed	144	-	1.20	173	104	60%	69	79 ha	5,000
Groundnuts		Rainfed	375	-	1.20	450	270	60%	180	954 ha	172,000
Vegetables		Rainfed	208	-	6.00	1,248	749	60%	499	2,256 ha	1,126,000
Future Condition									$864 /ha	**51,800 ha**	**22,376,000**
1. Winter - Spring Crop			-	-	-	-	-	-	-	**25,900 ha**	**11,062,000**
Paddy		Irrigated	125	100%	5.00	625	250	40%	375	19,912 ha	7,467,000
Maize		Irrigated	144	115%	4.00	576	230	40%	346	460 ha	159,000
Sweet Potatoes		Irrigated	63	50%	7.00	441	176	40%	265	3,456 ha	916,000
Groundnuts		Irrigated	375	300%	1.50	563	225	40%	338	72 ha	24,000
Vegetables		Irrigated	208	166%	10.00	2,080	832	40%	1,248	2,000 ha	2,496,000
2. Summer - Autumun Crop			-	-	-	-	-	-	-	**25,900 ha**	**11,314,000**
Paddy		Irrigated	125	-	5.00	625	250	40%	375	19,912 ha	7,467,000
Maize		Irrigated	144	-	4.00	576	230	40%	346	460 ha	159,000
Groundnuts		Irrigated	375	-	1.50	563	225	40%	338	3,528 ha	1,192,000
Vegetables		Irrigated	208	-	10.00	2,080	832	40%	1,248	2,000 ha	2,496,000
Increment	0.90	(SCF)	139	per ton					$557 /ha	**7,414 ha**	**14,427,000**
									Irrigation Area	25,900 ha	

Table 9.7 Irrigation Benefit (6/11)
(Vu Gia-Thu Bon River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$369 /ha	**138,400 ha**	**28,426,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**61,500 ha**	**11,252,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	26,000 ha	5,200,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	23,000 ha	2,645,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	500 ha	72,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	1,700 ha	177,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	300 ha	49,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	3,000 ha	363,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	300 ha	54,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	2,600 ha	312,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	2,000 ha	1,332,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	2,100 ha	1,048,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**61,500 ha**	**11,252,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	26,000 ha	5,200,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	23,000 ha	2,645,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	500 ha	72,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	1,700 ha	177,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	300 ha	49,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	3,000 ha	363,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	300 ha	54,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	2,600 ha	312,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	2,000 ha	1,332,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	2,100 ha	1,048,000
3. Year Round Crop									**10,100 ha**	**4,194,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	1,400 ha	784,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	8,700 ha	3,410,000
4. Perenial Crop									**5,300 ha**	**1,728,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	400 ha	160,000
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	4,900 ha	1,568,000
Future Condition								$753 /ha	**143,200 ha**	**57,959,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**66,200 ha**	**24,682,000**
Paddy	Irrigated	125	100%	4.60	575	230	40%	345	49,000 ha	16,905,000
Maize	Irrigated	144	115%	3.50	504	202	40%	302	4,000 ha	1,208,000
Sweet Potatoes	Irrigated	63	50%	6.80	428	171	40%	257	5,000 ha	1,285,000
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	5,000 ha	1,690,000
Vegetables	Irrigated	208	166%	9.00	1,872	749	40%	1,123	3,200 ha	3,594,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**66,200 ha**	**24,682,000**
Paddy	Irrigated	125	-	4.60	575	230	40%	345	49,000 ha	16,905,000
Maize	Irrigated	144	-	3.50	504	202	40%	302	4,000 ha	1,208,000
Sweet Potatoes	Irrigated	63	-	6.80	428	171	40%	257	5,000 ha	1,285,000
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	5,000 ha	1,690,000
Vegetables	Irrigated	208	-	9.00	1,872	749	40%	1,123	3,200 ha	3,594,000
3. Year Round Crop									**5,500 ha**	**4,620,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	5,500 ha	4,620,000
4. Perenial Crop									**5,300 ha**	**3,975,000**
Coffee,etc.	Irrigated	500	-	2.50	1,250	500	40%	750	5,300 ha	3,975,000
Increment	0.90 (SCF)	139	per ton					$384 /ha	**4,800 ha**	**29,533,000**
								Irrigation Area	77,000 ha	

Table 9.7 Irrigation Benefit (7/11)
(Tra Khuc River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$502 /ha	**116,200 ha**	**27,107,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**34,700 ha**	**6,017,000**
Paddy	Irrigated	125	-	3.80	475	285	60%	190	27,000 ha	5,130,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	6,000 ha	690,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	500 ha	72,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	1,200 ha	125,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	0 ha	0
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	0 ha	0
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	0 ha	0
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	0 ha	0
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**62,300 ha**	**14,151,000**
Paddy	Irrigated	125	-	3.80	475	285	60%	190	45,000 ha	8,550,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	1,100 ha	127,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	500 ha	72,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	1,200 ha	125,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	2,000 ha	328,000
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	1,100 ha	133,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	3,500 ha	630,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	900 ha	108,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	3,500 ha	2,331,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	3,500 ha	1,747,000
3. Year Round Crop									**13,200 ha**	**4,939,000**
Sugar Cane, etc.	Irrigated	28	-	40.00	1,120	672	60%	448	4,500 ha	2,016,000
Sugar Cane, etc.	Rainfed	28	-	30.00	840	504	60%	336	8,700 ha	2,923,000
4. Perenial Crop									**6,000 ha**	**2,000,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	1,000 ha	400,000
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	5,000 ha	1,600,000
Future Condition								$991 /ha	**123,000 ha**	**53,514,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**36,000 ha**	**11,046,000**
Paddy	Irrigated	125	100%	4.10	513	205	40%	308	33,000 ha	10,164,000
Maize	Irrigated	144	115%	3.40	490	196	40%	294	3,000 ha	882,000
Sweet Potatoes	Irrigated	63	50%	6.90	435	174	40%	261	0 ha	0
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	0 ha	0
Vegetables	Irrigated	208	166%	8.50	1,768	707	40%	1,061	0 ha	0
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**69,000 ha**	**30,420,000**
Paddy	Irrigated	125	-	4.10	513	205	40%	308	46,000 ha	14,168,000
Maize	Irrigated	144	-	3.40	490	196	40%	294	3,000 ha	882,000
Sweet Potatoes	Irrigated	63	-	6.90	435	174	40%	261	1,500 ha	392,000
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	6,000 ha	2,028,000
Vegetables	Irrigated	208	-	8.30	1,726	690	40%	1,036	12,500 ha	12,950,000
3. Year Round Crop									**12,000 ha**	**8,268,000**
Sugar Cane	Irrigated	28	-	41.00	1,148	459	40%	689	12,000 ha	8,268,000
4. Perenial Crop									**6,000 ha**	**3,780,000**
Coffee,etc.	Irrigated	500	-	2.10	1,050	420	40%	630	6,000 ha	3,780,000
Increment	0.90 (SCF)	139	per ton					$489 /ha	**6,800 ha**	**26,407,000**
								Irrigation Area	54,000 ha	

Table 9.7 Irrigation Benefit (8/11)
(Kone River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$538 /ha	**121,200 ha**	**26,341,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**41,700 ha**	**7,374,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	24,000 ha	4,800,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	16,000 ha	1,840,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	500 ha	52,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	0 ha	0
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	0 ha	0
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	500 ha	333,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	700 ha	349,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**72,100 ha**	**15,982,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	48,000 ha	9,600,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	14,400 ha	1,656,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	500 ha	52,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	0 ha	0
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	0 ha	0
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	500 ha	333,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	8,700 ha	4,341,000
3. Year Round Crop									**7,400 ha**	**2,985,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	500 ha	280,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	6,900 ha	2,705,000
4. Perenial Crop									**0 ha**	**0**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	0 ha	0
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	0 ha	0
Future Condition								$1,221 /ha	**132,000 ha**	**59,846,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**43,000 ha**	**15,626,000**
Paddy	Irrigated	125	100%	4.60	575	230	40%	345	40,000 ha	13,800,000
Maize	Irrigated	144	115%	3.70	533	213	40%	320	2,000 ha	640,000
Sweet Potatoes	Irrigated	63	50%	7.00	441	176	40%	265	0 ha	0
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	0 ha	0
Vegetables	Irrigated	208	166%	9.50	1,976	790	40%	1,186	1,000 ha	1,186,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**83,000 ha**	**39,180,000**
Paddy	Irrigated	125	-	4.60	575	230	40%	345	68,000 ha	23,460,000
Maize	Irrigated	144	-	3.70	533	213	40%	320	2,000 ha	640,000
Sweet Potatoes	Irrigated	63	-	7.00	441	176	40%	265	0 ha	0
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	0 ha	0
Vegetables	Irrigated	208	-	9.30	1,934	774	40%	1,160	13,000 ha	15,080,000
3. Year Round Crop									**6,000 ha**	**5,040,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	6,000 ha	5,040,000
4. Perenial Crop									**0 ha**	**0**
Coffee,etc.	Irrigated	500	-	2.50	1,250	500	40%	750	0 ha	0
Increment	0.90 (SCF)	139	per ton					$684 /ha	**10,800 ha**	**33,505,000**
								Irrigation Area	49,000 ha	

Table 9.7 Irrigation Benefit (9/11)
(Ba River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$392 /ha	**221,700 ha**	**72,935,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**106,000 ha**	**41,201,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	26,000 ha	5,200,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	3,000 ha	345,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	800 ha	115,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	9,100 ha	946,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	1,800 ha	218,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	2,100 ha	252,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	15,500 ha	10,323,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	47,700 ha	23,802,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**83,700 ha**	**19,689,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	37,000 ha	7,400,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	24,000 ha	2,760,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	300 ha	43,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	3,000 ha	312,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	600 ha	73,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	1,400 ha	168,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	1,500 ha	999,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	15,900 ha	7,934,000
3. Year Round Crop									**23,900 ha**	**9,453,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	500 ha	280,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	23,400 ha	9,173,000
4. Perenial Crop									**8,100 ha**	**2,592,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	0 ha	0
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	8,100 ha	2,592,000
Future Condition								$1,005 /ha	**294,800 ha**	**186,900,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**126,200 ha**	**90,258,000**
Paddy	Irrigated	125	100%	4.70	588	235	40%	353	39,000 ha	13,767,000
Maize	Irrigated	144	115%	3.50	504	202	40%	302	15,000 ha	4,530,000
Sweet Potatoes	Irrigated	63	50%	7.00	441	176	40%	265	2,700 ha	716,000
Groundnuts	Irrigated	375	300%	1.40	525	210	40%	315	7,500 ha	2,363,000
Vegetables	Irrigated	208	166%	8.90	1,851	740	40%	1,111	62,000 ha	68,882,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**91,400 ha**	**38,658,000**
Paddy	Irrigated	125	-	4.70	588	235	40%	353	74,000 ha	26,122,000
Maize	Irrigated	144	-	3.50	504	202	40%	302	5,000 ha	1,510,000
Sweet Potatoes	Irrigated	63	-	7.00	441	176	40%	265	900 ha	239,000
Groundnuts	Irrigated	375	-	1.40	525	210	40%	315	2,500 ha	788,000
Vegetables	Irrigated	208	-	8.90	1,851	740	40%	1,111	9,000 ha	9,999,000
3. Year Round Crop									**20,000 ha**	**16,800,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	20,000 ha	16,800,000
4. Perenial Crop									**57,200 ha**	**41,184,000**
Coffee,etc.	Irrigated	500	-	2.40	1,200	480	40%	720	57,200 ha	41,184,000
Increment	0.90 (SCF)	139	per ton					$613 /ha	**73,100 ha**	**113,965,000**
								Irrigation Area	186,000 ha	

Table 9.7 Irrigation Benefit (10/11)
(Se San River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$334 /ha	**55,200 ha**	**16,686,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**5,200 ha**	**1,023,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	5,000 ha	1,000,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	200 ha	23,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	0 ha	0
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	0 ha	0
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	0 ha	0
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	0 ha	0
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	0 ha	0
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**23,300 ha**	**5,883,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	13,000 ha	2,600,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	2,000 ha	230,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	0 ha	0
Maize	Rainfed	144	-	1.80	259	155	60%	104	2,700 ha	281,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	200 ha	24,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	0 ha	0
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	300 ha	36,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	1,000 ha	666,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	4,100 ha	2,046,000
3. Year Round Crop									**7,500 ha**	**2,996,000**
Sugar Cane, etc.	Irrigated	28	-	45.00	1,260	756	60%	504	500 ha	252,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	7,000 ha	2,744,000
4. Perenial Crop									**19,200 ha**	**6,784,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	8,000 ha	3,200,000
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	11,200 ha	3,584,000
Future Condition								$852 /ha	**71,800 ha**	**42,582,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**21,800 ha**	**11,802,000**
Paddy	Irrigated	125	100%	4.40	550	220	40%	330	12,000 ha	3,960,000
Maize	Irrigated	144	115%	3.30	475	190	40%	285	3,000 ha	855,000
Sweet Potatoes	Irrigated	63	50%	7.00	441	176	40%	265	300 ha	80,000
Groundnuts	Irrigated	375	300%	1.50	563	225	40%	338	500 ha	169,000
Vegetables	Irrigated	208	166%	9.00	1,872	749	40%	1,123	6,000 ha	6,738,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**24,800 ha**	**12,792,000**
Paddy	Irrigated	125	-	4.40	550	220	40%	330	15,000 ha	4,950,000
Maize	Irrigated	144	-	3.30	475	190	40%	285	3,000 ha	855,000
Sweet Potatoes	Irrigated	63	-	7.00	441	176	40%	265	300 ha	80,000
Groundnuts	Irrigated	375	-	1.50	563	225	40%	338	500 ha	169,000
Vegetables	Irrigated	208	-	9.00	1,872	749	40%	1,123	6,000 ha	6,738,000
3. Year Round Crop									**6,000 ha**	**4,740,000**
Sugar Cane	Irrigated	28	-	47.00	1,316	526	40%	790	6,000 ha	4,740,000
4. Perenial Crop									**19,200 ha**	**13,248,000**
Coffee,etc.	Irrigated	500	-	2.30	1,150	460	40%	690	19,200 ha	13,248,000
Increment	0.90 (SCF)	139	per ton					$518 /ha	**16,600 ha**	**25,896,000**
								Irrigation Area	50,000 ha	

Table 9.7 Irrigation Benefit (11/11)
(Srepok River Project)

Crop		Net Income per ha (US$/ha)							Total	
		Unit Price		Unit Yeild	Gross Income	Product. Cost		Net Income	Planted Area	Net Income
		US$/ton	adjust	ton/ha	US$/ha	US$/ha	adjust	US$/ha	ha	US$
Present Condition								$402 /ha	**115,800 ha**	**36,617,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**25,000 ha**	**7,530,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	4,000 ha	800,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	2,600 ha	299,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	500 ha	72,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	4,500 ha	468,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	400 ha	48,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	500 ha	90,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	1,500 ha	180,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	500 ha	333,000
Vegetables	Rainfed	208		6.00	1,248	749	60%	499	10,500 ha	5,240,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**33,000 ha**	**8,578,000**
Paddy	Irrigated	125	-	4.00	500	300	60%	200	5,500 ha	1,100,000
Paddy	Rainfed	125	-	2.30	288	173	60%	115	9,100 ha	1,047,000
Maize	Irrigated	144	-	2.50	360	216	60%	144	500 ha	72,000
Maize	Rainfed	144	-	1.80	259	155	60%	104	4,500 ha	468,000
Sweet Potatoes	Irrigated	63	-	6.50	410	246	60%	164	0 ha	0
Sweet Potatoes	Rainfed	63	-	4.80	302	181	60%	121	400 ha	48,000
Groundnuts	Irrigated	375	-	1.20	450	270	60%	180	500 ha	90,000
Groundnuts	Rainfed	375	-	0.80	300	180	60%	120	1,500 ha	180,000
Vegetables	Irrigated	208	-	8.00	1,664	998	60%	666	500 ha	333,000
Vegetables	Rainfed	208	-	6.00	1,248	749	60%	499	10,500 ha	5,240,000
3. Year Round Crop									**2,900 ha**	**1,221,000**
Sugar Cane, etc.	Irrigated	28	-	50.00	1,400	840	60%	560	500 ha	280,000
Sugar Cane, etc.	Rainfed	28	-	35.00	980	588	60%	392	2,400 ha	941,000
4. Perenial Crop									**54,900 ha**	**19,288,000**
Coffee,etc.	Irrigated	500	-	2.00	1,000	600	60%	400	21,500 ha	8,600,000
Coffee,etc.	Rainfed	500	-	1.60	800	480	60%	320	33,400 ha	10,688,000
Future Condition								$1,046 /ha	**124,900 ha**	**95,149,000**
1. Winter - Spring Crop		-	-	-	-	-	-	-	**34,100 ha**	**30,788,000**
Paddy	Irrigated	125	100%	5.00	625	250	40%	375	6,100 ha	2,288,000
Maize	Irrigated	144	115%	4.20	605	242	40%	363	4,900 ha	1,779,000
Sweet Potatoes	Irrigated	63	50%	8.00	504	202	40%	302	400 ha	121,000
Groundnuts	Irrigated	375	300%	1.70	638	255	40%	383	2,000 ha	766,000
Vegetables	Irrigated	208	166%	10.00	2,080	832	40%	1,248	20,700 ha	25,834,000
2. Summer - Autumun Crop		-	-	-	-	-	-	-	**34,100 ha**	**23,321,000**
Paddy	Irrigated	125	-	5.00	625	250	40%	375	14,600 ha	5,475,000
Maize	Irrigated	144	-	4.20	605	242	40%	363	4,900 ha	1,779,000
Sweet Potatoes	Irrigated	63	-	8.00	504	202	40%	302	400 ha	121,000
Groundnuts	Irrigated	375	-	1.60	600	240	40%	360	2,000 ha	720,000
Vegetables	Irrigated	208	-	10.00	2,080	832	40%	1,248	12,200 ha	15,226,000
3. Year Round Crop									**1,800 ha**	**1,512,000**
Sugar Cane	Irrigated	28	-	50.00	1,400	560	40%	840	1,800 ha	1,512,000
4. Perenial Crop									**54,900 ha**	**39,528,000**
Coffee,etc.	Irrigated	500	-	2.40	1,200	480	40%	720	54,900 ha	39,528,000
Increment	0.90 (SCF)	139	per ton					$643 /ha	**9,100 ha**	**58,532,000**
								Irrigation Area	91,000 ha	

Table 9.8 Economic Benefits of the Projects (1/2)

Benefits	Economic benefit (US$ million)	Remarks	
Bang Giang & Ky Cung Rivers			
1. Flood control (in 2020)	2.2		
2. Agriculture (in 2020)	56.5		
1) Crop	45.9		
2) Livestock	10.5		
3) Aquaculture	0.1		
3. Hydropower	2.0	39.4	GWh/year
4. Water supply (in 2020)	2.0	16.5	million m^3/year
Total of (1.- 4.)	62.7		
Ma River			
1. Flood control (in 2020)	0.0		
2. Agriculture (in 2020)	93.4		
1) Crop	70.9		
2) Livestock	20.8		
3) Aquaculture	1.7		
3. Hydropower	23.3	465.0	GWh/year
4. Water supply (in 2020)	11.0	92.0	million m^3/year
Total of (1.- 4.)	127.7		
Ca River			
1. Flood control (in 2020)	-		
2. Agriculture (in 2020)	97.2		
1) Crop	84.3		
2) Livestock	10.7		
3) Aquaculture	2.2		
3. Hydropower	49.8	996.0	GWh/year
4. Water supply (in 2020)	7.9	66.4	million m^3/year
Total of (1.- 4.)	154.9		
Thach Han River			
1. Flood control (in 2020)	5.9		
2. Agriculture (in 2020)	23.7		
1) Crop	6.0		
2) Livestock	17.5		
3) Aquaculture	0.2		
3. Hydropower	14.6	292.0	GWh/year
4. Water supply (in 2020)	1.2	10.0	million m^3/year
Total of (1.- 4.)	45.4		
Huong River			
1. Flood control (in 2020)	39.0		
2. Agriculture (in 2020)	20.7		
1) Crop	14.4		
2) Livestock	3.5		
3) Aquaculture	2.8		
3. Hydropower	7.5	150.6	GWh/year
4. Water supply (in 2020)	5.2	43.6	million m^3/year
Total of (1.- 4.)	72.5		
Vu Gia-Thu Bon Rivers			
1. Flood control (in 2020)	4.7		
2. Agriculture (in 2020)	33.0		
1) Crop	29.5		
2) Livestock	3.4		
3) Aquaculture	0.1		
3. Hydropower	69.5	1,390.3	GWh/year
4. Water supply (in 2020)	30.8	257.5	million m^3/year
Total of (1.- 4.)	138.0		

Table 9.8 Economic Benefits of the Projects (2/2)

Benefits	Economic benefit (US$ million)	Remarks	
Tra Khuc River			
1. Flood control (in 2020)	20.6		
2. Agriculture (in 2020)	31.0		
1) Crop	26.4		
2) Livestock	4.6		
3) Aquaculture	-		
3. Hydropower	3.2	63.5	GWh/year
4. Water supply (in 2020)	2.1	17.7	million m^3/year
Total of (1.- 4.)	56.9		
Kone River			
1. Flood control (in 2020)	22.1		
2. Agriculture (in 2020)	38.6		
1) Crop	33.5		
2) Livestock	5.0		
3) Aquaculture	0.1		
3. Hydropower	1.9	38.3	GWh/year
4. Water supply (in 2020)	4.0	33.9	million m^3/year
Total of (1.- 4.)	66.7		
Ba River			
1. Flood control (in 2020)	1.0		
2. Agriculture (in 2020)	122.2		
1) Crop	113.9		
2) Livestock	8.0		
3) Aquaculture	0.3		
3. Hydropower	52.2	1,044.0	GWh/year
4. Water supply (in 2020)	5.2	43.2	million m^3/year
Total of (1.- 4.)	180.5		
Se San River			
1. Flood control (in 2020)	0.2		
2. Agriculture (in 2020)	32.2		
1) Crop	25.9		
2) Livestock	6.3		
3) Aquaculture	-		
3. Hydropower	17.3	346.0	GWh/year
4. Water supply (in 2020)	1.9	16.1	million m^3/year
Total of (1.- 4.)	51.6		
Srepok River			
1. Flood control (in 2020)	0.0		
2. Agriculture (in 2020)	67.4		
1) Crop	58.5		
2) Livestock	8.8		
3) Aquaculture	0.1		
3. Hydropower	51.3	1,025.0	GWh/year
4. Water supply (in 2020)	7.9	66.0	million m^3/year
Total of (1.- 4.)	126.6		

Table 9.9 Financial and Economic Project Cost

Cost Item	Project Cost (VND million)		Euivalent US$ million	
	Financial cost	Economic cost	Financial cost	Economic cost
Bang Giang & Ky Cung Rivers				
1. Construction cost	2,814,444	2,533,000	186.78	168.10
2. Resettlement cost	474,426	426,983	31.49	28.34
3. Engineering service and administration costs	239,908	215,917	15.92	14.33
4. Physical contingency	608,124	547,312	40.36	36.32
Total of (1.- 4.)	4,136,902	3,723,212	274.55	247.09
Ma River				
1. Construction cost	8,733,788	7,860,409	579.62	521.66
2. Resettlement cost	197,456	177,710	13.10	11.79
3. Engineering service and administration costs	744,483	670,035	49.41	44.47
4. Physical contingency	1,667,446	1,500,701	110.66	99.60
Total of (1.- 4.)	11,343,173	10,208,855	752.79	677.52
Ca River				
1. Construction cost	10,091,281	9,082,153	669.72	602.74
2. Resettlement cost	284,656	256,190	18.89	17.00
3. Engineering service and administration costs	860,198	774,178	57.09	51.38
4. Physical contingency	1,936,356	1,742,720	128.51	115.66
Total of (1.- 4.)	13,172,491	11,855,241	874.21	786.78
Thach Han River				
1. Construction cost	2,687,338	2,418,604	178.35	160.51
2. Resettlement cost	853,967	768,570	56.67	51.01
3. Engineering service and administration costs	229,073	206,166	15.20	13.68
4. Physical contingency	649,760	584,784	43.12	38.81
Total of (1.- 4.)	4,420,138	3,978,124	293.34	264.01
Huong River				
1. Construction cost	3,023,956	2,721,561	200.69	180.62
2. Resettlement cost	202,243	182,019	13.42	12.08
3. Engineering service and administration costs	246,149	221,534	16.34	14.70
4. Physical contingency	347,235	312,512	23.04	20.74
Total of (1.- 4.)	3,819,583	3,437,626	253.49	228.14
Vu Gia-Thu Bon Rivers				
1. Construction cost	11,696,920	10,527,228	776.28	698.65
2. Resettlement cost	761,454	685,308	50.53	45.48
3. Engineering service and administration costs	997,066	897,359	66.17	59.55
4. Physical contingency	2,318,816	2,086,934	153.89	138.50
Total of (1.- 4.)	15,774,256	14,196,829	1,046.87	942.18
Tra Khuc River				
1. Construction cost	1,626,132	1,463,519	107.92	97.13
2. Resettlement cost	237,213	213,492	15.74	14.17
3. Engineering service and administration costs	138,614	124,753	9.20	8.28
4. Physical contingency	345,004	310,504	22.90	20.61
Total of (1.- 4.)	2,346,963	2,112,268	155.76	140.19
Kone River				
1. Construction cost	3,006,863	2,706,177	199.55	179.60
2. Resettlement cost	69,503	62,553	4.61	4.15
3. Engineering service and administration costs	256,310	230,679	17.01	15.31
4. Physical contingency	574,330	516,897	38.12	34.30
Total of (1.- 4.)	3,907,006	3,516,306	259.29	233.36
Ba River				
1. Construction cost	8,355,610	7,520,049	554.53	499.07
2. Resettlement cost	175,300	157,770	11.63	10.47
3. Engineering service and administration costs	712,247	641,022	47.27	42.54
4. Physical contingency	1,592,900	1,433,610	105.71	95.14
Total of (1.- 4.)	10,836,057	9,752,451	719.14	647.22
Se San River				
b Construction cost	4,101,438	3,691,294	272.20	244.98
2. Resettlement cost	59,303	53,373	3.94	3.54
3. Engineering service and administration costs	349,614	314,653	23.20	20.88
4. Physical contingency	777,282	699,554	51.58	46.43
Total of (1.- 4.)	5,287,637	4,758,874	350.92	315.83
Srepok River				
1. Construction cost	6,963,242	6,266,918	462.12	415.91
2. Resettlement cost	282,283	254,055	18.73	16.86
3. Engineering service and administration costs	593,559	534,203	39.39	35.45
4. Physical contingency	1,350,933	1,215,840	89.66	80.69
Total of (1.- 4.)	9,190,017	8,271,016	609.90	548.91

Note: 1. Price level: as of December 2001, US$1.00 = VND15,068, JPY100 = VND12,212
2. Resettlement cost has been estimated by the study team by applying the same unit resettlement cost as Ta Trach Reservoir Project in the Huong River Basin.
3. Both financial and economic costs do not include neither price escalation nor value added tax.
4. Economic cost has been estimated from the financial cost by applying SCF (0.9).

Table 9.10 Annual Economic Project Cost

Cost Item	Economic Project Cost (US$ million)	Year																			
		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Bang Giang & Ky Cung Rivers																				
1. Construction cost	168.10	-	-	-	-	8.40	18.49	18.49	18.49	18.49	18.49	18.49	18.49	6.05	6.05	6.05	6.05	5.04	0.50	0.53
2. Resettlement cost	28.34	-	-	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	14.33	-	-	0.86	1.43	1.43	1.43	1.43	1.43	1.15	0.72	0.72	0.72	0.43	0.43	0.43	0.43	0.43	0.43	0.43
4. Physical contingency	36.32	0.29	0.29	0.44	0.44	1.45	2.91	2.91	2.91	2.91	3.63	3.63	3.63	1.82	1.82	1.82	1.82	1.82	0.91	0.87
Total of (1.- 4.)	247.09	0.29	0.29	4.45	5.02	14.43	25.98	25.98	25.98	25.70	25.99	25.99	22.84	8.30	8.30	8.30	8.30	7.29	1.84	1.83
Ma River																				
1. Construction cost	521.66	-	-	-	-	26.08	57.38	57.38	57.38	57.38	57.38	57.38	57.38	18.78	18.78	18.78	18.78	15.65	1.56	1.59
2. Resettlement cost	11.79	-	-	1.68	1.68	1.68	1.68	1.68	1.68	1.68	-	-	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	44.47	-	-	2.67	4.45	4.45	4.45	4.45	4.45	3.56	2.22	2.22	2.22	1.33	1.33	1.33	1.33	1.33	1.33	1.35
4. Physical contingency	99.60	0.80	0.80	1.20	1.20	3.98	7.97	7.97	7.97	7.97	9.96	9.96	9.96	4.98	4.98	4.98	4.98	4.98	2.49	2.47
Total of (1.- 4.)	677.52	0.80	0.80	5.55	7.33	36.19	71.48	71.48	71.48	70.59	69.56	69.56	69.56	25.09	25.09	25.09	25.09	21.96	5.38	5.41
Ca River																				
1. Construction cost	602.74	-	-	-	-	30.14	66.30	66.30	66.30	66.30	66.30	66.30	66.30	21.70	21.70	21.70	21.70	18.08	1.81	1.81
2. Resettlement cost	17.00	-	-	2.12	2.13	2.13	2.13	2.13	2.13	2.13	2.13	-	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	51.38	-	-	3.08	5.14	5.14	5.14	5.14	5.14	4.11	2.57	2.57	2.57	1.54	1.54	1.54	1.54	1.54	1.54	1.54
4. Physical contingency	115.66	0.93	0.93	1.39	1.39	4.63	9.25	9.25	9.25	9.25	11.57	11.57	11.57	5.78	5.78	5.78	5.78	5.78	2.89	2.89
Total of (1.- 4.)	786.78	0.93	0.93	6.59	8.66	42.04	82.82	82.82	82.82	81.79	82.57	80.44	80.44	29.02	29.02	29.02	29.02	25.40	6.24	6.24
Thach Han River																				
1. Construction cost	160.51	-	-	-	-	8.03	17.66	17.66	17.66	17.66	17.66	17.66	17.66	5.78	5.78	5.78	5.78	4.82	0.48	0.44
2. Resettlement cost	51.01	-	-	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	-	-	-	-	-	-	-
3. Engineering service and administration costs	13.68	-	-	0.82	1.37	1.37	1.37	1.37	1.37	1.09	0.68	0.68	0.68	0.41	0.41	0.41	0.41	0.41	0.41	0.42
4. Physical contingency	38.81	0.31	0.31	0.47	0.47	1.55	3.10	3.10	3.10	3.10	3.88	3.88	3.88	1.94	1.94	1.94	1.94	1.94	0.97	0.99
Total of (1.- 4.)	264.01	0.31	0.31	6.39	6.94	16.05	27.23	27.23	27.23	26.95	27.32	27.32	27.32	8.13	8.13	8.13	8.13	7.17	1.86	1.85
Huong River																				
1. Construction cost	180.62	-	-	-	-	5.86	17.17	20.00	15.34	14.22	18.25	20.68	20.29	9.29	12.95	10.45	9.16	6.24	0.36	0.36
2. Resettlement cost	12.08	2.42	2.42	2.42	2.43	-	-	-	0.60	0.60	0.60	0.59	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	14.70	-	-	0.80	1.35	1.35	1.35	1.35	1.29	0.91	1.12	1.12	0.91	0.68	0.68	0.67	0.72	0.27	0.06	0.06
4. Physical contingency	20.74	0.24	0.24	0.33	0.38	0.72	1.85	2.14	1.72	1.57	1.99	2.23	2.09	1.00	1.37	1.12	0.98	0.66	0.04	0.06
Total of (1.- 4.)	228.14	2.66	2.66	3.55	4.16	7.93	20.37	23.49	18.95	17.30	21.96	24.62	23.29	10.97	15.00	12.24	10.86	7.17	0.46	0.48
Vu Gia-Thu Bon Rivers																				
1. Construction cost	698.65	-	-	-	-	34.93	76.85	76.85	76.85	76.85	76.85	76.85	76.85	25.15	25.15	25.15	25.15	20.96	2.10	2.11
2. Resettlement cost	45.48	-	-	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	59.55	-	-	3.57	5.96	5.96	5.96	5.96	5.96	4.76	2.98	2.98	2.98	1.79	1.79	1.79	1.79	1.79	1.79	1.74
4. Physical contingency	138.50	1.11	1.11	1.66	1.66	5.54	11.08	11.08	11.08	11.08	13.85	13.85	13.85	6.93	6.93	6.93	6.93	6.93	3.46	3.44
Total of (1.- 4.)	942.18	1.11	1.11	10.28	12.67	51.48	98.94	98.94	98.94	97.74	98.73	98.73	93.68	33.87	33.87	33.87	33.87	29.68	7.35	7.29
Tra Khuc River																				
1. Construction cost	97.13	-	-	-	-	4.86	10.68	10.68	10.68	10.68	10.68	10.68	10.68	3.50	3.50	3.50	3.50	2.91	0.29	0.31
2. Resettlement cost	14.17	-	-	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	-	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	8.28	-	-	0.50	0.83	0.83	0.83	0.83	0.83	0.66	0.41	0.41	0.41	0.25	0.25	0.25	0.25	0.25	0.25	0.24
4. Physical contingency	20.61	0.16	0.16	0.25	0.25	0.82	1.65	1.65	1.65	1.65	2.06	2.06	2.06	1.03	1.03	1.03	1.03	1.03	0.52	0.52
Total of (1.- 4.)	140.19	0.16	0.16	2.52	2.85	8.28	14.93	14.93	14.93	14.76	14.92	13.15	13.15	4.78	4.78	4.78	4.78	4.19	1.06	1.07
Kone River																				
1. Construction cost	179.60	-	-	-	-	8.98	19.76	19.76	19.76	19.76	19.76	19.76	19.76	6.47	6.47	6.47	6.47	5.39	0.54	0.49
2. Resettlement cost	4.15	-	-	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	15.31	-	-	0.92	1.53	1.53	1.53	1.53	1.53	1.22	0.77	0.77	0.77	0.46	0.46	0.46	0.46	0.46	0.46	0.45
4. Physical contingency	34.30	0.27	0.27	0.41	0.41	1.37	2.74	2.74	2.74	2.74	3.43	3.43	3.43	1.72	1.72	1.72	1.72	1.72	0.86	0.86
Total of (1.- 4.)	233.36	0.27	0.27	1.79	2.40	12.34	24.49	24.49	24.49	24.18	24.42	24.42	23.96	8.65	8.65	8.65	8.65	7.57	1.86	1.80
Ba River																				
1. Construction cost	499.07	-	-	-	-	24.95	54.90	54.90	54.90	54.90	54.90	54.90	54.90	17.97	17.97	17.97	17.97	14.97	1.50	1.47
2. Resettlement cost	10.47	-	-	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	42.54	-	-	2.55	4.25	4.25	4.25	4.25	4.25	3.40	2.13	2.13	2.13	1.28	1.28	1.28	1.28	1.28	1.28	1.27
4. Physical contingency	95.14	0.76	0.76	1.14	1.14	3.81	7.61	7.61	7.61	7.61	9.51	9.51	9.51	4.76	4.76	4.76	4.76	4.76	2.38	2.38
Total of (1.- 4.)	647.22	0.76	0.76	4.85	6.55	34.17	67.92	67.92	67.92	67.07	67.70	67.70	66.54	24.01	24.01	24.01	24.01	21.01	5.16	5.12
Se San River																				
1. Construction cost	244.98	-	-	-	-	12.25	26.95	26.95	26.95	26.95	26.95	26.95	26.95	8.82	8.82	8.82	8.82	7.35	0.73	0.72
2. Resettlement cost	3.54	-	-	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	20.88	-	-	1.25	2.09	2.09	2.09	2.09	2.09	1.67	1.04	1.04	1.04	0.63	0.63	0.63	0.63	0.63	0.63	0.61
4. Physical contingency	46.43	0.37	0.37	0.56	0.56	1.86	3.71	3.71	3.71	3.71	4.64	4.64	4.64	2.32	2.32	2.32	2.32	2.32	1.16	1.19
Total of (1.- 4.)	315.83	0.37	0.37	2.20	3.04	16.59	33.14	33.14	33.14	32.72	33.02	33.02	32.63	11.77	11.77	11.77	11.77	10.30	2.52	2.52
Srepok River																				
1. Construction cost	415.91	-	-	-	-	20.80	45.75	45.75	45.75	45.75	45.75	45.75	45.75	14.97	14.97	14.97	14.97	12.48	1.25	1.25
2. Resettlement cost	16.86	-	-	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	-	-	-	-	-	-	-	-
3. Engineering service and administration costs	35.45	-	-	2.13	3.55	3.55	3.55	3.55	3.55	2.84	1.77	1.77	1.77	1.06	1.06	1.06	1.06	1.06	1.06	1.06
4. Physical contingency	80.69	0.65	0.65	0.97	0.97	3.23	6.46	6.46	6.46	6.46	8.07	8.07	8.07	4.03	4.03	4.03	4.03	4.03	2.02	2.00
Total of (1.- 4.)	548.91	0.65	0.65	4.97	6.39	29.45	57.63	57.63	57.63	56.92	57.46	57.46	55.59	20.06	20.06	20.06	20.06	17.57	4.33	4.31

Note: 1. Price level: as of December 2001, US$1.00 = VND15,068, JPY100 = VND12,212
2. Resettlement cost has been estimated by the study team by applying the same unit resettlement cost as Ta Trach Reservoir Project in the Huong River Basin.

Table 10.1 Form of Overall Evaluation Scoring

Evaluation Items		River Basin 1			River Basin 2		.....	River Basin 14		
		Project P1	Project P2	Basin	Project P3	Basin	.....	Project n-1	Project n	Basin
(1) Domestic Water Supply	Contribution Degree of Project (%)	45	32		35					
	Score of Project for Evaluation Item	60	40		40					
	Weight on Evaluation Item given in each basin	0.1	0.1		0.1					
	Weighted score of Project for Evaluation Item	6	4		4					
	Weight of Project in Basin	0.58	0.42		1					
	Score of Basin for Evaluation Item	3.48	1.68	5.16	4	4				
(2) Industrial Water Supply	Contribution Degree of Project (%)	68	55		90					
	Score of Project for Evaluation Item	60	40		100					
	Weight on Evaluation Item given in each basin	0.1	0.1		0.1					
	Weighted score of Project for Evaluation Item	6	4		10					
	Weight of Project in Basin	0.55	0.45		1					
	Score of Basin for Evaluation Item	3.6	1.6	5.2	10	10				
(3) Agricultural Water Supply	Contribution Degree of Project (%)	48	27		60					
	Score of Project for Evaluation Item	80	40		100					
	Weight on Evaluation Item given in each basin	0.1	0.1		0.1					
	Weighted score of Project for Evaluation Item	8	4		10					
	Weight of Project in Basin	0.64	0.36		1					
	Score of Basin for Evaluation Item	4.8	1.6	6.4	10	10				
(4) Power Generation	Power Energy Generation of Project (GWh)	2,000	650		3,000					
	Score of Project for Evaluation Item	60	40		60					
	Weight on Evaluation Item given in each basin	0.1	0.1		0.1					
	Weighted score of Project for Evaluation Item	6	4		6					
	Weight of Project in Basin	0.75	0.25		1					
	Score of Basin for Evaluation Item	3.6	1.6	5.2	6	6				
(5) Flood Control Effect	Flood Damage Reduction by Project (Mil. USD)	b+ D b	c+ D c		a+ D a					
	Score of Project for Evaluation Item	80	60		100					
	Weight on Evaluation Item given in each basin	0.3	0.3		0.3					
	Weighted score of Project for Evaluation Item	24	18		30					
	Weight of Project in Basin	0.6	0.4		1					
	Score of Basin for Evaluation Item	14.4	7.2	21.6	30	30				
(6) River Maintenance Flow	Discharge Increase Rate in the Driest Month	1.8	1.6		1.9					
	Score of Project for Evaluation Item	80	60		80					
	Weight on Evaluation Item given in each basin	0.1	0.1		0.1					
	Weighted score of Project for Evaluation Item	8	6		8					
	Weight of Project in Basin	0.53	0.47		1					
	Score of Basin for Evaluation Item	4.8	2.4	7.2	8	8				
(7) Degree of Poverty in River Basin	Population below Poverty line (%)	22	22		17					
	Score of Project for Evaluation Item	80	80		60					
	Weight on Evaluation Item given in each basin	0.2	0.2		0.2					
	Weighted score of Project for Evaluation Item	16	16		12					
	Weight of Project in Basin	0.5	0.5		1					
	Score of Basin for Evaluation Item	9.6	6.4	16	12	12				
	Sub-total of score (i)	74	56	66.8	80	80				
(8) Investment Cost (Degree of Financing Difficulty)	Investment cost of Project (Mil. USD)	200	80		550					
	Score of Project for Evaluation Item	-60	-40		-100					
	Weight on Evaluation Item given in each basin	0.6	0.6		0.6					
	Weighted score of Project for Evaluation Item	-36	-24		-60					
	Weight of Project in Basin	0.71	0.29		1					
	Score of Basin for Evaluation Item	-21.6	-9.6	-31.2	-60	-60				
(9) Resettlement (Adverse Impact on Social Environment)	Number of people to be resettled by Project (Nos.)	15,000	7,000		28,000					
	Score of Project for Evaluation Item	-60	-40		-80					
	Weight on Evaluation Item given in each basin	0.4	0.4		0.4					
	Weighted score of Project for Evaluation Item	-24	-16		-32					
	Weight of Project in Basin	0.68	0.32		1					
	Score of Basin for Evaluation Item	-14.4	-6.4	-20.8	-32	-32				
	Sub-total of score (ii)	-60	-40	-52	-92	-92				
	Grand Total of Score ((i) + (ii))	14	16	14.8	-12	-12				

Table 10.2 Weights on Evaluation Items in Line with Government's Policy

Evaluation Items	(A)	(B)	(C)								(D)		(E)		(F)
	Red River Delta and Northern Key Economic Region	Southeast and Southern Key Economic Region	North Central, Central Coastal Area and Central Key Economic Regions								Northwest and Northeast Regions		Central Highland Regions		Cuu Long Delta Regions
	Downstream of Red and Thai Binh	Dong Nai	Ma	Ca	Thach Han	Huong	Vu Gia-Thu Bon	Tra Khuc	Kone	Ba	Bang Giang & Ky Cung	Upstream of Red and Thai Binh	Sesan	Srepok	Cuu Long
(1) Domestic Water Supply	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
(2) Industrial Water Supply	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3
(3) Agricultural Water Supply	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
(4) Power Generation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
(5) Flood Control Effect	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1
(6) River Maintenance Flow	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
(7) Degree of Poverty in River Basin	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Sub Total	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
(8) Investment Cost * (Degree of Financing Difficulty)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
(9) Resettlement * (Adverse impact on Social Environment)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Total	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Note: * shows negative factor

Table 10.3 Evaluation Results on Each Evaluation Item

Item		Domestic Water Supply			Industrial Water Supply			Agriculture Water Supply			Power Generation			Flood Control Effect		
Project Name		Contribution (%)	Grade	Score	Contribution (%)	Grade	Score	Contribution (%)	Grade	Score	Power Energy Generation (GWh)	Grade	Score	Damage Reduction (Mil.VND)	Grade	Score
Ban Lai		47.0	V	20	85.5	IV	40	34.4	III	60	39	V	20	27,720	III	60
Cua Dat		62.4	I	100	94.5	I	100	23.9	III	60	465	II	80	510	IV	40
Ban La		56.0	III	60	88.3	III	60	28.7	III	60	996	I	100	0	V	20
Rao Quan		49.8	V	20	86.1	III	60	50.2	II	80	292	III	60	102,642	II	80
Ta Trach		59.6	II	80	89.1	II	80	28.1	III	60	70	IV	40	425,176	I	100
Huu Trach		0.0	V	20	0.0	V	20	0.0	V	20	71	IV	40	47,242	II	80
Ho Song Tranh II		55.3	III	60	98.9	I	100	36.4	II	80	615	II	80	36,625	III	60
Song Cai		0.0	V	20	0.0	V	20	0.0	V	20	775	II	80	21,316	III	60
Nuoe Trong		46.0	V	20	83.5	IV	40	3.3	V	20	64	IV	40	252,368	I	100
Dinh Binh		54.9	IV	40	84.8	IV	40	28.9	III	60	38	V	20	262,571	I	100
Song Ba Ha		58.9	III	60	86.5	III	60	61.0	I	100	1,044	I	100	10,085	IV	40
Dak Bla		60.0	II	80	88.2	III	60	52.7	II	80	346	III	60	948	IV	40
Buon Kuop-Chupong Krong		44.4	V	20	58.1	IV	40	35.4	II	80	1,025	I	100	227	IV	40
Krong Buong		2.7	V	20	3.6	V	20	2.2	V	20	0	V	20	15	V	20
Upper Krong Pach		9.6	V	20	12.5	V	20	7.7	V	20	0	V	20	50	V	20
Upper Krong Buk		11.6	V	20	15.3	V	20	8.7	V	20	0	V	20	58	V	20
Bac Me		3.8	V	20	5.3	V	20	1.0	V	20	993	I	100	0	V	20
Dai Thi		4.0	V	20	5.5	V	20	1.0	V	20	985	I	100	0	V	20
Son La		54.2	IV	40	74.5	IV	40	13.4	IV	40	14,895	I	100	0	V	20
Dong Nai Basin Development		64.5	I	100	50.6	IV	40	30.9	III	60	1,700	I	100	43,018	III	60
Cuu Long Delta Development		58.4	III	60	90.8	II	80	24.1	III	60	0	V	20	621,389	I	100
Grading	Grade I	More Than		60	More Than		92	More Than		55	More Than		900	More Than		180,000
	Grade II	60	----	59	92	----	89	55	----	35	900	----	400	180,000	----	45,000
	Grade III	59	----	55	89	----	86	35	----	20	400	----	100	45,000	----	20,000
	Grade IV	55	----	50	86	----	20	20	----	10	100	----	60	20,000	----	100
	Grade V	Less than		50	Less than		20	Less than		10	Less than		60	Less than		100

Item		River Maintenance Flow			Degree of Poverty			Investment Cost			Resettlement		
Project Name		Increase Rate	Grade	Score	Rate	Grade	Score	Amount (Mil. US$)	Grade	Score	Affected People	Grade	Score
Ban Lai		1.6	IV	40	32.8	I	100	238	IV	-40	20,000	I	-100
Cua Dat		2.9	II	80	21.3	III	60	737	II	-80	8,324	IV	-40
Ban La		2.6	II	80	21.3	III	60	852	II	-80	12,000	II	-80
Rao Quan		1.5	IV	40	21.3	III	60	355	III	-60	36,000	I	-100
Ta Trach		3.7	II	80	15.3	IV	40	184	IV	-40	5,000	IV	-40
Huu Trach		1.5	IV	40	6.0	IV	40	63	IV	-40	3,500	IV	-40
Ho Song Tranh II		1.0	IV	40	13.5	IV	40	540	II	-80	25,000	I	-100
Song Cai		0.6	IV	40	8.0	IV	40	448	III	-60	7,100	IV	-40
Nuoe Trong		1.8	IV	40	21.5	III	60	137	IV	-40	10,000	III	-60
Dinh Binh		2.2	III	60	21.5	III	60	254	IV	-40	2,930	IV	-40
Song Ba Ha		3.2	II	80	21.5	III	60	706	II	-80	7,390	IV	-40
Dak Bla		1.7	IV	40	31.5	II	80	346	III	-60	2,500	V	-20
Buon Kuop-Chupong Krong		1.5	IV	40	20.5	III	60	460	II	-80	6,000	IV	-40
Krong Buong		0.1	V	20	1.3	V	20	15	IV	-40	2,200	V	-20
Upper Krong Pach		0.3	V	20	4.4	V	20	48	IV	-40	1,000	V	-20
Upper Krong Buk		0.4	V	20	5.4	V	20	65	IV	-40	2,700	V	-20
Bac Me		0.2	V	20	18.0	IV	40	559	II	-80	10,000	III	-60
Dai Thi		0.2	V	20	18.0	IV	40	513	II	-80	14,000	II	-80
Son La		3.0	II	80	18.0	IV	40	5,150	I	-100	110,000	I	-100
Dong Nai Basin Development		1.1	IV	40	3.1	V	20	2,744	I	-100	1,130	V	-20
Cuu Long Delta Development		0.0	V	20	12.8	IV	40	1,790	I	-100	0	V	-20
Grading	Grade I	More Than		5.00	More Than		32	More Than		1,000	More Than		20,000
	Grade II	5.00	----	2.50	32	----	25	1,000	----	450	20,000	----	12,000
	Grade III	2.50	----	2.00	25	----	20	450	----	300	12,000	----	8,500
	Grade IV	2.00	----	0.50	20	----	6	300	----	10	8,500	----	2,900
	Grade V	Less than		0.50	Less than		6	Less than		10	Less than		2,900

Table 10.4 Overall Evaluation on River Basins and Projects

Evaluation Items		River Basin	Bang Giang and Ky Cong	Ma	Ca	Thach Han	Huong			Vu Gia-Thu Bon			Tra Khuc	Kone	Ba	Sesan	Srepok				
		Project	Ban Lai	Cua Dat	Ban La	Rao Quan	Ta Trach	Huu Trach		Ho Song Tranh II	Song Cai		Nuoc Trong	Dinh Binh	Song Ba Ha	Dak Bla	Buon Kuop-Chupong Krong	Krong Buong	Upper Krong Pach	Upper Krong Buk	
Domestic Water Supply	Contribution Degree of Project(%)		47.00	62.41	55.95	49.84	59.64	0.00		55.31	0.00		45.99	54.86	58.88	59.99	44.37	2.73	9.56	11.60	
	Score of Project for Evaluation Item		20	100	60	20	80	20		60	20		20	40	60	80	20	20	20	20	
	Weight on Evaluation Item Given in each basin		0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	Weighted score of Project for Evaluation Item		2	10	6	2	8	2		6	2		2	4	6	8	2	2	2	2	
	Weight of Project in Basin		1	1	1	1	1.00	0.00		1.00	0.00		1	1	1	1	0.65	0.04	0.14	0.17	
	Score of Basin for Evaluation Item		2.0	10.0	6.0	2.0	8.0	0.0	8.0	6.0	0.0	6.0	2.0	4.0	6.0	8.0	1.3	0.1	0.3	0.3	2.0
Industrial Water Supply	Contribution Degree of Project(%)		85.45	94.47	88.34	86.11	89.13	0.00		98.92	0.00		83.53	84.77	86.52	88.17	58.14	3.58	12.52	15.31	
	Score of Project for Evaluation Item		40	100	60	60	80	20		100	20		40	40	60	60	40	20	20	20	
	Weight on Evaluation Item Given in each basin		0.3	0.3	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	
	Weighted score of Project for Evaluation Item		12	30	6	6	8	2		10	2		4	4	6	18	12	6	6	6	
	Weight of Project in Basin		1	1	1	1	1.00	0.00		1.00	0.00		1	1	1	1	0.65	0.04	0.14	0.17	
	Score of Basin for Evaluation Item		12.0	30.0	6.0	6.0	8.0	0.0	8.0	10.0	0.0	10.0	4.0	4.0	6.0	18.0	7.8	0.2	0.8	1.0	9.9
Agriculture Water Supply	Contribution Degree of Project(%)		34.38	23.88	28.66	50.20	28.06	0.00		36.42	0.00		3.25	28.92	60.99	52.65	35.40	2.20	7.70	8.70	
	Score of Project for Evaluation Item		60	60	60	80	60	20		80	20		20	60	100	80	80	20	20	20	
	Weight on Evaluation Item Given in each basin		0.2	0.2	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	
	Weighted score of Project for Evaluation Item		12	12	6	8	6	2		8	2		2	6	10	16	16	4	4	4	
	Weight of Project in Basin		1	1	1	1	1.00	0.00		1.00	0.00		1	1.00	1	1	0.66	0.04	0.14	0.16	
	Score of Basin for Evaluation Item		12.0	12.0	6.0	8.0	6.0	0.0	6.0	8.0	0.0	8.0	2.0	6.0	10.0	16.0	10.5	0.2	0.6	0.6	11.9
Power Generation	Power Energy Generation of Project(GWh)		39.40	465.00	996.00	292.00	70.00	71.00		615.00	775.30		63.50	38.30	1044.00	346.00	1025.00	0.00	0.00	0.00	
	Score of Project for Evaluation Item		20	80	100	60	40	40		80	80		40	20	100	60	100	20	20	20	
	Weight on Evaluation Item Given in each basin		0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	Weighted score of Project for Evaluation Item		2	8	10	6	4	4		8	8		4	2	10	6	10	2	2	2	
	Weight of Project in Basin		1	1	1	1	0.50	0.50		0.44	0.56		1	1.00	1	1	1.00	0.00	0.00	0.00	
	Score of Basin for Evaluation Item		2.0	8.0	10.0	6.0	2.0	2.0	4.0	3.5	4.5	8.0	4.0	2.0	10.0	6.0	10.0	0.0	0.0	0.0	10.0
Flood Control Effect	Flood Damage Reduction by Project(Mil.USD)		27720	510	0	102642	425176	47242		36625	21316		252368	262571	10085	948	227	15	50	58	
	Score of Project for Evaluation Item		60	40	20	80	100	80		60	60		100	100	40	40	40	20	20	20	
	Weight on Evaluation Item Given in each basin		0.1	0.1	0.3	0.3	0.3	0.3		0.3	0.3		0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	
	Weighted score of Project for Evaluation Item		6	4	6	24	30	24		18	18		30	30	12	4	4	2	2	2	
	Weight of Project in Basin		1	1	1	1	0.90	0.10		0.63	0.37		1	1.00	1	1	0.65	0.04	0.14	0.17	
	Score of Basin for Evaluation Item		6.0	4.0	6.0	24.0	27.0	2.4	29.4	11.4	6.6	18.0	30.0	30.0	12.0	4.0	2.6	0.1	0.3	0.3	3.3
River Maintenance Flow (Improvement of River Environment)	Discharge Increase Rate in the Driest Month		1.56	2.88	2.56	1.50	3.65	1.45		1.01	0.60		1.82	2.22	3.23	1.70	1.46	0.09	0.32	0.38	
	Score of Project for Evaluation Item		40	80	80	40	80	40		40	40		40	60	80	40	40	20	20	20	
	Weight on Evaluation Item Given in each basin		0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	Weighted score of Project for Evaluation Item		4	8	8	4	8	4		4	4		4	6	8	4	4	2	2	2	
	Weight of Project in Basin		1	1	1	1	0.72	0.28		0.63	0.37		1	1.00	1	1	0.65	0.04	0.14	0.17	
	Score of Basin for Evaluation Item		4.0	8.0	8.0	4.0	5.7	1.1	6.9	2.5	1.5	4.0	4.0	6.0	8.0	4.0	2.6	0.1	0.3	0.3	3.3
Degree of Poverty in River basin	Population below Poverty line (%)		32.83	21.30	21.30	21.30	15.30	6.00		13.54	7.95		21.49	21.49	21.49	31.48	20.46	1.26	4.41	5.35	
	Score of Project for Evaluation Item		100	60	60	60	40	40		40	40		60	60	60	80	60	20	20	20	
	Weight on Evaluation Item Given in each basin		0.1	0.1	0.2	0.2	0.2	0.2		0.2	0.2		0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	
	Weighted score of Project for Evaluation Item		10	6	12	12	8	8		8	8		12	12	12	8	6	2	2	2	
	Weight of Project in Basin		1	1	1	1	0.72	0.28		0.63	0.37		1	1.00	1	1	0.65	0.04	0.14	0.17	
	Score of Basin for Evaluation Item		10.0	6.0	12.0	12.0	5.7	2.3	8.0	5.0	3.0	8.0	12.0	12.0	12.0	8.0	3.9	0.1	0.3	0.3	4.6
	Sub-total of score (i)		48.0	78.0	54.0	62.0			70.3			62.0	58.0	64.0	64.0	64.0					45.0
Investment Cost (Degree of Financing Difficulty)	Investment cost of Project (Mil.USD)		237.6	737.4	852.1	354.8	183.8	62.9		540.2	447.5		137.3	253.9	705.5	346.3	459.6	15.1	47.8	65.4	
	Score of Project for Evaluation Item		-40	-80	-80	-60	-40	-40		-80	-60		-40	-40	-80	-60	-80	-40	-40	-40	
	Weight on Evaluation Item Given in each basin		0.6	0.6	0.6	0.6	0.6	0.6		0.6	0.6		0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
	Weighted score of Project for Evaluation Item		-24	-48	-48	-36	-24	-24		-48	-36		-24	-24	-48	-36	-48	-24	-24	-24	
	Weight of Project in Basin		1	1	1	1	0.75	0.25		0.55	0.45		1	1.00	1	1	0.78	0.03	0.08	0.11	
	Score of Basin for Evaluation Item		-24.0	-48.0	-48.0	-36.0	-17.9	-6.1	-24.0	-26.3	-16.3	-42.6	-24.0	-24.0	-48.0	-36.0	-37.5	-0.6	-2.0	-2.7	-42.8
Resettlement (Adverse Impact on Social Environment)	Number of people to be resettled by Project (Nos		20000	8324	12000	36000	5000	3500		25000	7100		10000	2930	7390	2500	6000	2200	1000	2700	
	Score of Project for Evaluation Item		-100	-40	-80	-100	-40	-40		-100	-40		-60	-40	-40	-20	-40	-20	-20	-20	
	Weight on Evaluation Item Given in each basin		0.4	0.4	0.4	0.4	0.4	0.4		0.4	0.4		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
	Weighted score of Project for Evaluation Item		-40	-16	-32	-40	-16	-16		-40	-16		-24	-16	-16	-8	-16	-8	-8	-8	
	Weight of Project in Basin		1	1	1	1	0.59	0.41		0.78	0.22		1	1.00	1	1	0.50	0.18	0.08	0.23	
	Score of Basin for Evaluation Item		-40.0	-16.0	-32.0	-40.0	-9.4	-6.6	-16.0	-31.2	-3.5	-34.7	-24.0	-16.0	-16.0	-8.0	-8.1	-1.5	-0.7	-1.8	-12.0
	Sub-total of score (ii)		-64.0	-64.0	-80.0	-76.0			-40.0			-77.3	-48.0	-40.0	-64.0	-44.0					-54.8
Score of Each Project	Grand Total of Score		-16	14	-26	-14	32	6		-26	-8		10	24	0	20	-10	-12	-12	-12	
	Ranking in 11 River Basins		14	4	15	13	1	6		15	8		5	2	7	3	9	10	10	10	
Score of Eaach Rvier Basin	Grand Total of Score ((i)+(ii))		-16.0	14.0	-26.0	-14.0			30.3			-15.3	10.0	24.0	0.0	20.0					-9.8
	Ranking in 11 River Basins		10	4	11	8			1			9	5	2	6	3					7

Table 10.5 Implementation Schedule of Priority Projects

Description	Year																		
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1. Ta Trach Reservoir Project																			
1.1 Financial Arrangement																			
2.1 Ta Trach Reservoir Project																			
2.2 Resettlement																			
2.3 Engineering Services by Consultants																			
3.1 Irrigation and Drainage Facilities																			
3.2 Resettlement																			
3.3 Engineering Services by Consultants																			
4.1 Domestic and Industrial Water Supply																			
4.2 Resettlement																			
4.3 Engineering Services by Consultants																			
2. Dinh Binh Reservoir Project																			
1.1 Financial Arrangement																			
2.1 Dinh Binh Reservoir Project																			
2.2 Resettlement																			
2.3 Engineering Services by Consultants																			
3.1 Flood Control Facilities																			
3.2 Resettlement																			
3.3 Engineering Services by Consultants																			
4.1 Irrigation and Drainage Facilities																			
4.2 Resettlement																			
4.3 Engineering Services by Consultants																			
5.1 Domestic and Industrial Water Supply																			
5.2 Resettlement																			
5.3 Engineering Services by Consultants																			
3. Dak Bla Reservoir Project																			
1.1 Financial Arrangement																			
2.1 Dak Bla Reservoir Project																			
2.2 Resettlement																			
2.3 Engineering Services by Consultants																			
3.1 Irrigation and Drainage Facilities																			
3.2 Resettlement																			
3.3 Engineering Services by Consultants																			
4.1 Domestic and Industrial Water Supply																			
4.2 Resettlement																			
4.3 Engineering Services by Consultants																			
4 Cua Dat Reserovoir Project																			
1.1 Financial Arrangement																			
2.1 Cua Dat Reservoir Project																			
2.2 Resettlement																			
2.3 Engineering Services by Consultants																			
3.1 Irrigation and Drainage Facilities																			
3.2 Resettlement																			
3.3 Engineering Services by Consultants																			
4.1 Domestic and Industrial Water Supply																			
4.2 Resettlement																			
4.3 Engineering Services by Consultants																			
5. Nuoc Trong II Reservoir Project																			
1.1 Financial Arrangement																			
2.1 Nuoc Trong Reservoir Project																			
2.2 Resettlement																			
2.3 Engineering Services by Consultants																			
3.1 Irrigation and Drainage Facilities																			
3.2 Resettlement																			
3.3 Engineering Services by Consultants																			
4.1 Domestic and Industrial Water Supply																			
4.2 Resettlement																			
4.3 Engineering Services by Consultants																			
6. Huu Trach Reservoir Project																			
1.1 Financial Arrangement																			
2.1 Huu Trach Reservoir Project																			
2.2 Resettlement																			
2.3 Engineering Services by Consultants																			
3.1 Irrigation and Drainage Facilities																			
3.2 Resettlement																			
3.3 Engineering Services by Consultants																			
4.1 Domestic and Industrial Water Supply																			