TableL-8-5-5 Community Development for Zeras

Zeras-Rural Water Supply

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Construction Base Cost				2,273,709,799
1. Preparatory Works (10% of Item2)				13,009,495
2. Civil Works for Distribution Pipeline				
Distribution Tank				130,094,952
- Excavation	566	cu.m	7,000	3,962,000
- Backfilling	312	cu.m	7,900	2,464,800
- Plain Concrete	252	cu.m	109,200	27,518,400
- Reinforced Bar	17.6	ton	4,221,500	74,467,260
- Miscellaneous (20 % of Above Item)				21,682,492
3. Construction of Pumping Station				2,130,605,352
- Installation of Intake	1	L.S.	4,800,000	4,800,000
- Pump House	100	sq.m	470,000	47,000,000
- Submersible Pump	1	nos.	1,200,000,000	1,200,000,000
- Conveyance Pipeline ϕ 12	25,000	m	16,400	410,000,000
- Plain Concrete	232	cu.m	109,200	25,334,400
- Reinforced Bar	16.2	ton	4,221,500	68,557,160
- PVC Pipe ϕ 50	3,130	m	6,330	19,812,900
- Miscellaneous (20% of above)	1	L.S.		355,100,892
II. Administration Cost (5% of Total of Item I)				6,381,508
III .Engineering Cost (10% of Item I)				227,370,980
IV. Physical Contingency (20% of I+II+III)				501,492,457
V. Total(I+II+III+IV)				3,008,954,744
Rounded Total				3,009,000,000

Zeras-Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Construction Base Cost				2,612,946,600
1. Preparatory Works (10% of Item2)				237,540,600
2. Civil Works				2,375,406,000
- Land Levelling	108,000	sq.m	2,200	237,600,000
- Gravel Pavement	81,000	sq.m	17,300	1,401,300,000
- Side Drain	4,860	cu.m	84,100	408,726,000
- Miscellaneous (20 % of Above Item)				327,780,000
II. Administration Cost (5% of Total of Item I)				130,647,330
III .Engineering Cost (10% of Item I)				261,294,660
IV. Physical Contingency (20% of I+II+III)				600,977,718
V. Total(I+II+III+IV)				3,605,866,308
Rounded Total				3,605,900,000

Zeras-Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Construction Base Cost				2,482,920,000
1. Preparatory Works (10% of Item2)				225,720,000
2. Civil Works				2,257,200,000
- Land Leveling	855,000	sq.m	2,200	1,881,000,000
- Miscellaneous (20 % of Above Item)				376,200,000
Ⅱ. Administration Cost (5% of Total of Item Ⅰ)				124,146,000
Ⅲ. Physical Contingency (20% of Ⅰ+Ⅱ)				521,413,200
Ⅳ. Total(Ⅰ+Ⅱ+Ⅲ)				3,128,479,200
Rounded Total				3,128,500,000

Zeras – Handicraft Facility

Work Item	Q'ty	Unit	Financial Unit Cost		Financial Amount (Rial)
Ⅰ. Construction Base Cost					62,040,000
1. Preparatory Works (10% of Item 2)					5,640,000
2. Building Works					56,400,000
a.Building (Brick)	100	m^2	470,000	Rls.	47,000,000
b.Miscellaneous (20% of a)					9,400,000
Ⅱ. Equipment					8,000,000
1. Horizontal weaving machine (Steel, 2m x 3m)	5	Unit	800,000	Rls.	4,000,000
2. Vertical weaving machine (Steel, 2m x 3m)	5	Unit	800,000	Rls.	4,000,000
Ⅲ .Land Acquisition					800,000
	200	m^2	4,000	Rls.	800,000
Ⅳ. Physical Contingency (20% of Ⅰ+Ⅱ+Ⅲ)					14,168,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)					85,008,000
Rounded Total					85,000,000
			Number of Village	4	340,000,000

Zeras – Multi-purpose Training Facility

Work Item	Q'ty	Unit	Financial Unit Cost		Financial Amount (Rial)
Ⅰ. Construction Base Cost					62,040,000
1. Preparatory Works (10% of Item 2)					5,640,000
2. Building Works					56,400,000
a.Building (Brick)	100	m^2	470,000	Rls.	47,000,000
b.Miscellaneous (20% of a)					9,400,000
Ⅱ. Equipment					5,500,000
1. Table (Wood, 1,800x1,200x800mm)	10	Unit	400,000	Rls.	4,000,000
2. Chair (Wood)	30	Unit	50,000	Rls.	1,500,000
Ⅲ .Land Acquisition					800,000
	200	m^2	4,000	Rls.	800,000
Ⅳ. Physical Contingency (20% of Ⅰ+Ⅱ+Ⅲ)					13,668,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)					82,008,000
Rounded Total					82,000,000
			Number of Village	4	328,000,000

Zeras – Milk Processing Facility

Work Item	Q'ty	Unit	Financial Unit Cost		Amount (Rial)
Ⅰ. Construction Base Cost					62,040,000
1. Preparatory Works (10% of Item 2)					5,640,000
2. Building Works					56,400,000
a.Building (Brick)	100	m^2	470,000	Rls.	47,000,000
b.Miscellaneous (20% of a)					9,400,000
Ⅱ. Equipment					74,400,000
1. Table (Wood, 1,800x900x800mm)	2	Unit	300,000	Rls.	600,000
2. Chair (Wood)	4	Unit	50,000	Rls.	200,000
3. Vehicle (Pick-up)	1	Unit	70,000,000	Rls.	70,000,000
4. Milk Tank (Plastic, 50 litre)	40	Piece	40,000	Rls.	1,600,000
5. Mixing Machine (Steel, for kashk)	2	Unit	1,000,000	Rls.	2,000,000
Ⅲ .Land Acquisition					800,000
	200	m^2	4,000	Rls.	800,000
Ⅳ. Physical Contingency (20% of Ⅰ+Ⅱ+Ⅲ)					27,448,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)					164,688,000
Rounded Total					164,700,000
			Number of Village	2	329,400,000

TableL-8-6-1 Disaster Prevention Facility for Vastegan

Vastegan-Annual O/M Cost(Check Dam)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				25,167,302
Ⅲ. Total(Ⅰ+Ⅱ)				41,547,302
Rounded Total				41,500,000

Vastegan-Annual O/M Cost(River Treatment)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				84,947,940
Ⅲ. Total(Ⅰ+Ⅱ)				101,327,940
Rounded Total				101,300,000

Table L-8-6-2 Disaster Prevention Facility for Chaman-Goli Bazoft

Bazoft-Annual O/M Cost (Check Dam)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				24,096,745
Ⅲ. Total (Ⅰ+Ⅱ)				40,476,745
Rounded Total				40,500,000

Bazoft-Annual O/M Cost (River Treatment)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				18,861,003
Ⅲ. Total (Ⅰ+Ⅱ)				35,241,003
Rounded Total				35,200,000

Bazoft-Annual O/M Cost (Rockfall Protection)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				722,198
Ⅲ. Total (Ⅰ+Ⅱ)				17,102,198
Rounded Total				17,100,000

Bazoft-Annual O/M Cost (Landslide Protection)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				1,784,912
Ⅲ. Total (Ⅰ+Ⅱ)				18,164,912
Rounded Total				18,200,000

Table L-8-6-3 Disaster Prevention Facility forSarbaz

Sarbaz-Annual O/M Cost(Check Dam)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				32,994,464
Ⅲ. Total(Ⅰ+Ⅱ)				49,374,464
Rounded Total				49,400,000

Sarbaz-Annual O/M Cost(Landslide Protection)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				42,623,460
Ⅲ. Total(Ⅰ+Ⅱ)				59,003,460
Rounded Total				

Sarbaz-Annual O/M Cost(River Treatment)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				53,706,000
Ⅲ. Total(Ⅰ+Ⅱ)				70,086,000
Rounded Total				

Table L-8-6-4 Disaster Prevention Facility forTangsorkh

Tangesorkh-Annual O/M Cost

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. *Materials and Supplies* (1% of Construction Base Cost)				*16,670,405*
Ⅲ. Total(Ⅰ+Ⅱ)				33,050,405
Rounded Total				33,100,000

Table L-8-6-5 Disaster Prevention Facility for Zeras

Zeras-Annual O/M Cost (Check Dam)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				6,796,923
Ⅲ. Total (Ⅰ+Ⅱ)				23,176,923
Rounded Total				23,200,000

Zeras-Annual O/M Cost (Landslide Protection)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				437,989
Ⅲ. Total (Ⅰ+Ⅱ)				16,817,989
Rounded Total				16,800,000

Zeras-Annual O/M Cost (Relocation Area)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,380,000
1. Executive Engineer	1	person	3,600,000	3,600,000
2. Engineer	1	person	2,400,000	2,400,000
3. Technician	1	person	1,680,000	1,680,000
4. Labour	10	person	750,000	7,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	1	person	1,200,000	1,200,000
Ⅱ. Materials and Supplies (1% of Construction Base Cost)				20,724,000
Ⅲ. Total (Ⅰ+Ⅱ)				37,104,000
Rounded Total				37,100,000

Table L-8-7 Vegetation Protection

Vastegan-Annual O/M Cost (Seed Production Plot/Rangeland Improvement Plots)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Salaries/Wages				7,250,000
1. Watchman	9	M/M	750,000	6,750,000
2. Common Labour	2	M/M	250,000	500,000
II. Total				7,250,000
Rounded Total				7,250,000

Chaman Goli-Bazoft-Annual O/M Cost (Seed Production Plot/Rangeland Improvement Plots)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Salaries/Wages				7,250,000
1. Watchman	9	M/M	750,000	6,750,000
2. Common Labour	2	M/M	250,000	500,000
II. Total				7,250,000
Rounded Total				7,300,000

Chaman Goli-Bazoft-Annual O/M Cost (Plot of Almond Tree Plantation)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Salaries/Wages				2,750,000
1. Watchman	3	M/M	750,000	2,250,000
2. Common Labour	2	M/M	250,000	500,000
II. Materials and Supplies				12,000
1. Almond Seed (For frist 10-year only)	4	kg	4,000	16,000
III. Total				2,762,000
Rounded Total				2,800,000

Sarbaz-Annual O/M Cost (Seed Production Plot/Rangeland Improvement Plots)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Salaries/Wages				7,250,000
1. Watchman	9	M/M	750,000	6,750,000
2. Common Labour	2	M/M	250,000	500,000
II. Total				7,250,000
Rounded Total				7,300,000

Tangsorkh-Annual O/M Cost (Seed Production Plot/Rangeland Improvement Plots)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Salaries/Wages				7,250,000
1. Watchman	9	M/M	750,000	6,750,000
2. Common Labour	2	M/M	250,000	500,000
II. Total				7,250,000
Rounded Total				7,300,000

Tangsorkh-Annual O/M Cost (Plot of Almond Tree Plantation)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				2,750,000
1. Watchman	3	M/M	750,000	2,250,000
2. Common Labour	2	M/M	250,000	500,000
Ⅱ. Materials and Supplies				12,000
1. Almond Seed (For frist 10-year only)	3	kg	4,000	12,000
Ⅲ. Total				2,762,000
Rounded Total				2,800,000

Zeras-Annual O/M Cost (Seed Production Plot/Rangeland Improvement Plots)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				6,750,000
1. Watchman	9	M/M	750,000	6,750,000
2. Common Labour	0	M/M	250,000	0
Ⅱ. Total				6,750,000
Rounded Total				6,800,000

Table L-8-8 Orchard Terracing (Vastegan)

Orchard Terracing O/M Cost

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Salaries/Wages				1,500,000
1. Executive Engineer	0	person	3,600,000	0
2. Engineer	0	person	2,400,000	0
3. Technician	0	person	1,680,000	0
4. Labour	2	person	750,000	1,500,000
5. Administrator	0	person	1,920,000	0
6. Driver	0	person	1,200,000	0
(Note: Once in 7 days for 7 months for Irrigation Canal for 2 labours for 2 areas)				
II. Materials and Supplies (1% of Construction Base Cost)				8,640,547
III. Farming Cost	42	ha	1,505,000	63,210,000
IV. Total(I + II + III)				73,350,547
Rounded Total				73,351,000

Table L-8-9 Soil Erosion Protection (ContourBund + Check Dam)

Chaman Goli-Bazift Soil Erosion Protection Project O/M Cost

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	Remarks
					Area = 798 ha
Ⅰ. Salaries/Wages				9,000,000	
1. Executive Engineer	0	person	3,600,000	0	
2. Engineer	0	person	2,400,000	0	
3. Technician	0	person	1,680,000	0	
4. Labour	12	person	750,000	9,000,000	(1 watchman/1000ha/12months)
5. Administrator	0	person	1,920,000	0	
6. Driver	0	person	1,200,000	0	
Ⅱ. Materials and Supplies (5% of Construction Base Costs of Contour Bund and Check dam)				36,963,564	
Ⅲ. Total(Ⅰ+Ⅱ)				45,963,564	
Rounded Total				45,964,000	

Sarbaz Soil Erosion Protection Project O/M Cost

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	Remarks
					Area = 162 ha
Ⅰ. Salaries/Wages				1,500,000	
1. Executive Engineer	0	person	3,600,000	0	
2. Engineer	0	person	2,400,000	0	
3. Technician	0	person	1,680,000	0	
4. Labour	2	person	750,000	1,500,000	(1 watchman/1000ha/12months)
5. Administrator	0	person	1,920,000	0	
6. Driver	0	person	1,200,000	0	
Ⅱ. Materials and Supplies (5% of Construction Base Cost of Contour Bund)				8,820,900	
Ⅲ. Total(Ⅰ+Ⅱ)				10,320,900	
Rounded Total				10,321,000	

Tangsorkh Soil Erosion Protection Project O/M Cost

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	Remarks
					Area = 44 ha
Ⅰ. Salaries/Wages				375,000	
1. Executive Engineer	0	person	3,600,000	0	
2. Engineer	0	person	2,400,000	0	
3. Technician	0	person	1,680,000	0	
4. Labour	0.5	person	750,000	375,000	(1 watchman/1000ha/12months)
5. Administrator	0	person	1,920,000	0	
6. Driver	0	person	1,200,000	0	
Ⅱ. Materials and Supplies (5% of Construction Base Cost of Contour Bund)				2,395,800	
Ⅲ. Total(Ⅰ + Ⅱ)				2,770,800	
Rounded Total				2,771,000	

Zeras Soil Erosion Protection Project O/M Cost

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	Remarks
					Area = 1,724 ha
Ⅰ. Salaries/Wages				15,750,000	
1. Executive Engineer	0	person	3,600,000	0	
2. Engineer	0	person	2,400,000	0	
3. Technician	0	person	1,680,000	0	
4. Labour	21	person	750,000	15,750,000	(1 watchman/1000ha/12months)
5. Administrator	0	person	1,920,000	0	
6. Driver	0	person	1,200,000	0	
Ⅱ. Materials and Supplies (5% of Construction Base Costs of Contour Bund and Check Dam)				108,132,024	
Ⅲ. Total(Ⅰ + Ⅱ)				123,882,024	
Rounded Total				123,882,000	

TableL-8-10-1 Community Development forVastegan

Vastegan-Annual O/M Cost of Groundwater Monitoring System

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				83,182,000
1. Executive Engineer	12	man/month	3,600,000	7,562,000
2. Engineer	24	man/month	2,400,000	75,620,000
3. Technician	12	man/month	1,680,000	20,160,000
4. Labour	12	man/month	750,000	9,000,000
5. Administrator	12	man/month	1,920,000	23,040,000
6. Driver	12	man/month	1,200,000	14,400,000
Ⅱ. Depreciation cost of equipment				4,510,000
1. Water level gauge	1	L.S.	145,000	145,000
2. Computer	1	L.S.	800,000	800,000
3. Vehicle (including fuel)	1	L.S.	3,565,000	3,565,000
Ⅲ Materials and supplies				3,910,000
1. Well	1	L.S.	1,104,000	1,104,000
2. Miscellaneous	1	L.S.	2,806,000	2,806,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				91,602,000
Rounded Total				91,600,000

Vastegan-Annual O/M Cost of Irrigation Canal

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				25,406,000
1. Engineer	3	man/month	2,400,000	16,766,000
2. Technician	3	man/month	1,680,000	5,040,000
3. Driver	3	man/month	1,200,000	3,600,000
Ⅱ. Depreciation cost of equipment				4,063,000
- Vehicle (including fuel)	1	L.S.	4,063,000	4,063,000
Ⅲ Materials and supplies				5,763,940
1. PVC Pipe ϕ500	1	L.S.	4,186,000	4,186,000
2. Repair of Canal	1	L.S.	1,577,940	1,577,940
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				35,232,940
Rounded Total				35,200,000

Vastegan-Annual O/M Cost of Rural Water Supply

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				37,376,000
1. Engineer	5	man/month	2,400,000	22,976,000
2. Technician	5	man/month	1,680,000	8,400,000
3. Driver	5	man/month	1,200,000	6,000,000
Ⅱ. Depreciation cost of equipment				4,288,000
- Vehicle (including fuel)	1	L.S.	4,288,000	4,288,000
Ⅲ Materials and supplies				5,126,954
- Repair of Pipe & Distribution Tai	1	L.S.		5,126,954
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				46,790,954
Rounded Total				46,800,000

Vastegan-Annual O/M Cost of Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				16,702,000
1. Engineer	1	man/month	2,400,000	13,822,000
2. Technician	1	man/month	1,680,000	1,680,000
3. Driver	1	man/month	1,200,000	1,200,000
Ⅱ. Depreciation cost of equipment				5,471,000
- Vehicle (including fuel)	1	L.S.	5,471,000	5,471,000
Ⅲ Materials and supplies				28,026,000
- Repair of Road	1	L.S.		28,026,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				50,199,000
Rounded Total				50,200,000

Vastegan-Annual O/M Cost of Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				125,000
Common Labour	5	man/month	25,000	125,000
Ⅱ Materials and supplies				188,496,000
- Repair of Road	1	L.S.		188,496,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				188,621,000
Rounded Total				188,600,000

Vastegan – Annual O/M Cost for Handicraft Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				34,009,120
1. Electricity (0.2kW×8h/day×100day/year)	160	kWh	57 Rls.	9,120
2. Labor				
a. Horizontal weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
b. Vertical weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
3. Raw material				
a. Horizontal weaving machine	250	kg	20,000 Rls.	5,000,000
b. Vertical weaving machine	250	kg	20,000 Rls.	5,000,000
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				34,573,120
Rounded Total				34,570,000
		Number of Village	4	138,280,000

Vastegan – Annual O/M Cost for Multi-purpose Training Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				4,560
1. Electricity (0.2kW×8h/day×50day/year)	80	kWh	57 Rls.	4,560
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				568,560
Rounded Total				570,000
		Number of Village	4	2,280,000

Vastegan – Annual O/M Cost for Milk Processing Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				397,441,576
1. Electricity				
a. Building (0.2kW×8h/day×365day/year)	584	kWh	57 Rls.	33,288
b. Mixing machine (0.4kW×4h/day×365day/year)	584	kWh	57 Rls.	33,288
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Mixing machine (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
c. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
3. Raw material				
a. Raw milk (10litre/day/head×100heads×365days)	365,000	kg	1,000 Rls.	365,000,000
Ⅱ. Maintenance Cost				1,284,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				700,000
b. Mixing machine				20,000
Ⅲ. Total(Ⅰ+Ⅱ)				398,725,576
Rounded Total				398,730,000
		Number of Village	2	797,460,000

Vastegan – Annual O/M Cost for Collection and Distribution Facility for Milk

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				1,862,670,431
1. Electricity				
a. Building (0.4kW×8h/day×365day/year)	1,168	kWh	57 Rls.	66,576
b. Sterilizer (0.75kW×4h/day×365day/year)	1,095	kWh	57 Rls.	62,415
c. Bulk Cooler (2.0kW×4h/day×365day/year)	2,920	kWh	57 Rls.	166,440
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
c. Sterilizer (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
d. Bulk Cooler (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
3. Raw material				
a. Raw milk (10litre/day/head×500heads×365days)	1,825,000	kg	1,000 Rls.	1,825,000,000
Ⅱ. Maintenance Cost				5,464,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				1,400,000
b. Sterilizer				500,000
c. Bulk Cooler				3,000,000
Ⅲ. Total(Ⅰ + Ⅱ)				1,868,134,431
Rounded Total				1,868,130,000
		Number of Village	1	1,868,130,000

Vastegan – Annual O/M Cost for Community Enhancement

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Salaries/ Wages				9,600,000
(Enlightment Activities)	(606HH÷50HH/place×5times)			
1. Administrator	2	person	1,920,000 Rls.	3,840,000
2. Engineer	2	person	1,680,000 Rls.	3,360,000
3. Driver	2	person	1,200,000 Rls.	2,400,000
Ⅱ. Maintenance Cost				0
Ⅲ. Total(Ⅰ + Ⅱ)				9,600,000
Rounded Total				9,600,000

TableL-8-10-2 Community Development forChaman-Goli Bazoft

Chaman Goli-Bazoft-Annual O/M Cost of Irrigation Canal

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				39,460,000
1. Engineer	5	man/month	2,400,000	25,060,000
2. Technician	5	man/month	1,680,000	8,400,000
3. Driver	5	man/month	1,200,000	6,000,000
Ⅱ. Depreciation cost of equipment				5,330,000
- Vehicle (including fuel)	1	L.S.	5,330,000	5,330,000
Ⅲ Materials and supplies				36,597,561
1. Gusaleh Bar Left Bank Canal	1	L.S.		9,725,226
2. Gusaleh Bar Right Bank Canal	1	L.S.		26,872,335
3. Kachooz Canal	1	L.S.		4,478,723
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				81,387,561
Rounded Total				81,400,000

Chaman Goli-Bazoft-Annual O/M Cost of Rural Water Supply

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				84,662,000
1. Engineer	12	man/month	2,400,000	50,102,000
2. Technician	12	man/month	1,680,000	20,160,000
3. Driver	12	man/month	1,200,000	14,400,000
Ⅱ. Depreciation cost of equipment				7,771,000
- Vehicle (including fuel)	1	L.S.	7,771,000	7,771,000
Ⅲ Materials and supplies				11,657,440
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				104,090,440
Rounded Total				104,100,000

Chaman Goli-Bazoft-Annual O/M Cost of Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				76,974,000
1. Engineer	12	man/month	2,400,000	42,414,000
2. Technician	12	man/month	1,680,000	20,160,000
3. Driver	12	man/month	1,200,000	14,400,000
Ⅱ. Depreciation cost of equipment				3,927,000
- Vehicle (including fuel)	1	L.S.	3,927,000	3,927,000
Ⅲ Materials and supplies				44,568,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				125,469,000
Rounded Total				125,500,000

Chaman Goli-Bazoft-Annual O/M Cost of Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				125,000
Common Labour		5 man/month	25,000	125,000
Ⅱ. Materials and supplies				60,192,000
Ⅲ. Total(Ⅰ + Ⅱ)				60,317,000
Rounded Total				60,300,000

Chaman Goli-Bazoft – Annual O/M Cost for Handicraft Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				34,009,120
1. Electricity (0.2kW×8h/day×100day/year)	160	kWh	57 Rls.	9,120
2. Labor				
a. Horizontal weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
b. Vertical weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
3. Raw material				
a. Horizontal weaving machine	250	kg	20,000 Rls.	5,000,000
b. Vertical weaving machine	250	kg	20,000 Rls.	5,000,000
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				34,573,120
Rounded Total				34,570,000
			Number of Village 1	34,570,000

Chaman Goli-Bazoft – Annual O/M Cost for Multi-purpose Training Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				4,560
1. Electricity (0.2kW×8h/day×50day/year)	80	kWh	57 Rls.	4,560
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				568,560
Rounded Total				570,000
			Number of Village 7	3,990,000

Chaman Goli-Bazoft – Annual O/M Cost for Milk Processing Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				397,441,576
1. Electricity				
a. Building (0.2kW×8h/day×365day/year)	584	kWh	57 Rls.	33,288
b. Mixing machine (0.4kW×4h/day×365day/year)	584	kWh	57 Rls.	33,288
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Mixing machine (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
c. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
3. Raw material				
a. Raw milk (10litre/day/head×100heads×365days)	365,000	kg	1,000 Rls.	365,000,000
Ⅱ. Maintenance Cost				1,284,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				700,000
b. Mixing machine				20,000
Ⅲ. Total(Ⅰ+Ⅱ)				398,725,576
Rounded Total				398,730,000
			Number of Village 4	1,594,920,000

Chaman Goli-Bazoft – Annual O/M Cost for Collection and Distribution Facility for Milk

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				1,862,670,431
1. Electricity				
a. Building (0.4kW×8h/day×365day/year)	1,168	kWh	57 Rls.	66,576
b. Sterilizer (0.75kW×4h/day×365day/year)	1,095	kWh	57 Rls.	62,415
c. Bulk Cooler (2.0kW×4h/day×365day/year)	2,920	kWh	57 Rls.	166,440
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
c. Sterilizer (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
d. Bulk Cooler (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
3. Raw material				
a. Raw milk (10litre/day/head×500heads×365days)	1,825,000	kg	1,000 Rls.	1,825,000,000
Ⅱ. Maintenance Cost				5,464,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				1,400,000
b. Sterilizer				500,000
c. Bulk Cooler				3,000,000
Ⅲ. Total(Ⅰ + Ⅱ)				1,868,134,431
Rounded Total				1,868,130,000
		Number of Village	1	1,868,130,000

Chaman Goli-Bazoft – Annual O/M Cost for Fish Culture Production

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				2,644,018,376
1. Electricity				
a. Building (0.2kW×8h/day×365day/year)	584	kWh	57 Rls.	33,288
b. Aeration facilities (0.4kW×4h/day×365day/year)	584	kWh	57 Rls.	33,288
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
c. Sterilizer (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
3. Raw material				
a. Fingerling (200t÷weight0.3kg/fish×(1+loss0.25))	840,000	fly	250 Rls.	210,000,000
b. Feed (200t÷weight0.3kg/fish×feed0.9kg/fish)	600,000	kg	4,000 Rls.	2,400,000,000
c. Fuel (60PS×0.04lit/SP.h×4h×365d×2units)	3,504	litre	450 Rls.	1,576,800
Ⅱ. Maintenance Cost				37,435,000
1. Building (1% of Building Works)				35,235,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				700,000
b. Equipment for Graging				1,500,000
Ⅲ. Total(Ⅰ + Ⅱ)				2,681,453,376
Rounded Total				2,681,450,000
		Number of Village	1	2,681,450,000

Chaman Goli-Bazoft – Annual O/M Cost for Community Enhancement

Work Item	Qty	Unit	Financial Unit Cost	Amount (Rial)
Ⅰ. Salaries/ Wages				16,800,000
(Enlightment Activities)	(1089HH÷50HH/place×5times)			
1. Administrator	3.5	person	1,920,000 Rls.	6,720,000
2. Engineer	3.5	person	1,680,000 Rls.	5,880,000
3. Driver	3.5	person	1,200,000 Rls.	4,200,000
Ⅱ. Maintenance Cost				0
Ⅲ. Total(Ⅰ+Ⅱ)				16,800,000
Rounded Total				16,800,000

TableL-8-10-3 Community Development for Sarbaz

Sarbaz-Annual O/M Cost of Irrigation Canal

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				49,948,000
1. Engineer	7	man/month	2,400,000	29,788,000
2. Technician	7	man/month	1,680,000	11,760,000
3. Driver	7	man/month	1,200,000	8,400,000
Ⅱ. Depreciation cost of equipment				4,814,000
- Vehicle (including fuel)	1	L.S.	4,814,000	4,814,000
Ⅲ Materials and supplies				91,621,867
1. Dangazloo-Kahangan Canal	1	L.S.		20,474,160
2. Kahangan-Devergan Olya Cana	1	L.S.		6,888,702
3. Dangazloo Left Bank Canal	1	L.S.		10,301,062
4. Noor Abad-Sarbaz Canal	1	L.S.		53,957,943
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				146,383,867
Rounded Total				146,400,000

Sarbaz-Annual O/M Cost of Rural Water Supply

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				92,698,000
1. Engineer	14	man/month	2,400,000	52,378,000
2. Technician	14	man/month	1,680,000	23,520,000
3. Driver	14	man/month	1,200,000	16,800,000
Ⅱ. Depreciation cost of equipment				6,029,000
- Vehicle (including fuel)	1	L.S.	6,029,000	6,029,000
Ⅲ Materials and supplies				14,497,605
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				113,224,605
Rounded Total				113,200,000

Sarbaz-Annual O/M Cost of Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				13,220,000
1. Engineer	1	man/month	2,400,000	10,340,000
2. Technician	1	man/month	1,680,000	1,680,000
3. Driver	1	man/month	1,200,000	1,200,000
Ⅱ. Depreciation cost of equipment				3,730,000
- Vehicle (including fuel)	1	L.S.	3,730,000	3,730,000
Ⅲ Materials and supplies				127,560,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				144,510,000
Rounded Total				144,500,000

Sarbaz-Annual O/M Cost of Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
				125,000
I. Salaries/Wages				125,000
Common Labour		5 man/month	25,000	
				118,800,000
II Materials and supplies				
				118,925,000
III. Total(I + II)				118,900,000
Rounded Total				

Sarbaz – Annual O/M Cost for Handicraft Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				34,009,120
1. Electricity (0.2kW×8h/day×100day/year)	160	kWh	57 Rls.	9,120
2. Labor				
a. Horizontal weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
b. Vertical weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
3. Raw material				
a. Horizontal weaving machine	250	kg	20,000 Rls.	5,000,000
b. Vertical weaving machine	250	kg	20,000 Rls.	5,000,000
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				34,573,120
Rounded Total				34,570,000
			Number of Village 1	34,570,000

Sarbaz – Annual O/M Cost for Multi-purpose Training Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				4,560
1. Electricity (0.2kW×8h/day×50day/year)	80	kWh	57 Rls.	4,560
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				568,560
Rounded Total				570,000
			Number of Village 8	4,560,000

Sarbaz – Annual O/M Cost for Milk Processing Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				397,441,576
1. Electricity				
a. Building (0.2kW×8h/day×365day/year)	584	kWh	57 Rls.	33,288
b. Mixing machine (0.4kW×4h/day×365day/year)	584	kWh	57 Rls.	33,288
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Mixing machine (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
c. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
3. Raw material				
a. Raw milk (10litre/day/head×100heads×365days)	365,000	kg	1,000 Rls.	365,000,000
Ⅱ. Maintenance Cost				1,284,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				700,000
b. Mixing machine				20,000
Ⅲ. Total(Ⅰ+Ⅱ)				398,725,576
Rounded Total				398,730,000
			Number of Village 4	1,594,920,000

Sarbaz - Annual O/M Cost for Collection and Distribution Facility for Milk

Work Item	Qty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				1,862,670,431
1. Electricity				
a. Building (0.4kW×8h/day×365day/year)	1,168	kWh	57 Rls.	66,576
b. Sterilizer (0.75kW×4h/day×365day/year)	1,095	kWh	57 Rls.	62,415
c. Bulk Cooler (2.0kW×4h/day×365day/year)	2,920	kWh	57 Rls.	166,440
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
c. Sterilizer (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
d. Bulk Cooler (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
3. Raw material				
a. Raw milk (10litre/day/head×500heads×365days)	1,825,000	kg	1,000 Rls.	1,825,000,000
Ⅱ. Maintenance Cost				5,464,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				1,400,000
b. Sterilizer				500,000
c. Bulk Cooler				3,000,000
Ⅲ. Total(Ⅰ + Ⅱ)				1,868,134,431
Rounded Total				1,868,130,000
			Number of Village 1	1,868,130,000

Sarbaz - Annual O/M Cost for Apple Collecting & Grading Facility (Large)

Work Item	Qty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				2,224,338,240
1. Electricity				
a. Building (0.8kW×8h/day×100day/year)	640	kWh	57 Rls.	36,480
b. Drying Table (10kW×0.8(efficency)×8h/day×100day/year)	6,400	kWh	57 Rls.	364,800
c. Roller conveyor (2kW×0.8(efficency)×8h/day×100day/year)	1,280	kWh	57 Rls.	72,960
2. Water (10m3×4times/day×100day/year)	4,000	m3	free	0
3. Labor				
a. Office (80m/d×100day/year)	8,000	m/d	25,000 Rls.	200,000,000
b. Water Tank (20m/d×100day/year)	2,000	m/d	25,000 Rls.	50,000,000
c. Vehicle (2m/d×100day/year)	200	m/d	25,000 Rls.	5,000,000
4. Raw material				
a. Raw apple (class 1)	2,400,000	kg	820 Rls.	1,968,000,000
b. Fuel (60PS×0.04lit/SP.h×4h×100d×2units)	1,920	litre	450 Rls.	864,000
Ⅱ. Maintenance Cost				10,528,000
1. Building (1% of Building Works)				1,128,000
2. Equipment (1% of Price of Equipment)				
a. Roller conveyor				8,000,000
b. Vehicle				1,400,000
Ⅲ. Total(Ⅰ + Ⅱ)				2,234,866,240
Rounded Total				2,234,870,000
			Number of Village 3	6,704,610,000

Sarbaz – Annual O/M Cost for Community Enhancement

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Salaries/ Wages				26,400,000
(Enlightment Activities)	(1705HH÷50HH/place×5times)			
1. Administrator	5.5	person	1,920,000 Rls.	10,560,000
2. Engineer	5.5	person	1,680,000 Rls.	9,240,000
3. Driver	5.5	person	1,200,000 Rls.	6,600,000
Ⅱ. Maintenance Cost				0
Ⅲ. Total(Ⅰ+Ⅱ)				26,400,000
Rounded Total				26,400,000

Table L-8-10-4 Community Development for Tangsorkh

Tangsorkh-Annual O/M Cost of Rural Water Supply

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				61,968,000
1. Engineer		9 man/month	2,400,000	36,048,000
2. Technician		9 man/month	1,680,000	15,120,000
3. Driver		9 man/month	1,200,000	10,800,000
Ⅱ. Depreciation cost of equipment				5,064,000
- Vehicle (including fuel)	1	L.S.	5,064,000	5,064,000
Ⅲ Materials and supplies				3,349,538
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				70,381,538
Rounded Total				70,400,000

Tangsorkh-Annual O/M Cost of Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				13,220,000
1. Engineer		1 man/month	2,400,000	10,340,000
2. Technician		1 man/month	1,680,000	1,680,000
3. Driver		1 man/month	1,200,000	1,200,000
Ⅱ. Depreciation cost of equipment				3,730,000
- Vehicle (including fuel)	1	L.S.	3,730,000	3,730,000
Ⅲ Materials and supplies				31,890,000
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				48,840,000
Rounded Total				48,800,000

Tangsorkh-Annual O/M Cost of Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				125,000
Common Labour		5 man/month	25,000	125,000
Ⅱ. Materials and supplies				38,412,000
Ⅲ. Total(Ⅰ+Ⅱ)				38,537,000
Rounded Total				38,500,000

Tang Sorkh – Annual O/M Cost for Multi-purpose Training Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Amount (Rial)
Ⅰ. Operation Cost				4,560
1. Electricity (0.2kW×8h/day×50day/year)	80	kWh	57 Rls.	4,560
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				568,560
Rounded Total				570,000
		Number of Village	1	570,000

Tang Sorkh – Annual O/M Cost for Apple Collecting & Grading Facility (Small)

Work Item	Q'ty	Unit	Financial Unit Cost	Amount (Rial)
Ⅰ. Operation Cost				736,669,120
1. Electricity				
a. Building (0.4kW×8h/day×100day/year)	320	kWh	57 Rls.	18,240
b. Drying Table (5kW×0.8(efficency)×8h/day×100day/year)	3,200	kWh	57 Rls.	182,400
c. Roller conveyor (1kW×0.8(efficency)×8h/day×100day/year)	640	kWh	57 Rls.	36,480
2. Water (5m3×4times/day×100day/year)	2,000	m3	free	0
3. Labor				
a. Office (20m/d×100day/year)	2,000	m/d	25,000 Rls.	50,000,000
b. Water tank (10m/d×100day/year)	1,000	m/d	25,000 Rls.	25,000,000
c. Vehicle (2m/d×100day/year)	200	m/d	25,000 Rls.	5,000,000
4. Raw material				
a. Raw apple (class 1)	800,000	kg	820 Rls.	656,000,000
b. Fuel (60PS×0.04lit/SP.h×4h×100d×1units)	960	litre	450 Rls.	432,000
Ⅱ. Maintenance Cost				5,264,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Roller conveyor				4,000,000
b. Vehicle				700,000
Ⅲ. Total(Ⅰ+Ⅱ)				736,669,120
Rounded Total				736,670,000
		Number of Village	1	736,670,000

Tang Sorkh – Annual O/M Cost for Horticultural Crops Collecting and Grading Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				375,882,240
1. Electricity (0.4kW×8h/day×100day/year)	320	kWh	57 Rls.	18,240
2. Labor				
a. Office (10m/d×100day/year)	1,000	m/d	25,000 Rls.	25,000,000
b. Water Tank (10m/d×100day/year)	1,000	m/d	25,000 Rls.	25,000,000
c. Vehicle (2m/d×100day/year)	200	m/d	25,000 Rls.	5,000,000
3. Raw material				
a. Raw vegetable (2t/day×200days) (bitter gord, cabbage, carrot, cucumber, eggplant, lettuce, etc.)	400,000	kg	800 Rls.	320,000,000
b. Fuel (60PS×0.04lit/SP.hx4hx100dx2units)	1,920	litre	450 Rls.	864,000
Ⅱ. Maintenance Cost				1,964,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				1,400,000
Ⅲ. Total(Ⅰ + Ⅱ)				377,846,240
Rounded Total				377,850,000
		Number of Village	1	377,850,000

Tang Sorkh – Annual O/M Cost for Community Enhancement

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Salaries/ Wages				4,800,000
(Enlightment Activities)	(281HH÷50HH/place×5times)			
1. Administrator	1	person	1,920,000 Rls.	1,920,000
2. Engineer	1	person	1,680,000 Rls.	1,680,000
3. Driver	1	person	1,200,000 Rls.	1,200,000
Ⅱ. Maintenance Cost				0
Ⅲ. Total(Ⅰ + Ⅱ)				4,800,000
Rounded Total				4,800,000

TableL-8-10-5 *Community Development for Zeras*

Zeras-Annual O/M Cost of Rural Water Supply

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				19,900,000
1. Engineer		2 man/month	2,400,000	14,140,000
2. Technician		2 man/month	1,680,000	3,360,000
3. Driver		2 man/month	1,200,000	2,400,000
Ⅱ. Depreciation cost of equipment				4,190,000
- Vehicle (including fuel)	1	L.S.	4,190,000	4,190,000
Ⅲ Electricity	5,840,000	kwh	57	332,880,000
Ⅳ Materials and supplies				113,035,015
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ+Ⅳ)				137,125,015
Rounded Total				137,100,000

Zeras-Annual O/M Cost of Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				19,900,000
1. Engineer		2 man/month	2,400,000	14,140,000
2. Technician		2 man/month	1,680,000	3,360,000
3. Driver		2 man/month	1,200,000	2,400,000
Ⅱ. Depreciation cost of equipment				4,190,000
- Vehicle (including fuel)	1	L.S.	4,190,000	4,190,000
Ⅲ Materials and supplies				118,770,300
Ⅴ. Total(Ⅰ+Ⅱ+Ⅲ)				142,860,300
Rounded Total				142,900,000

Zeras-Annual O/M Cost of Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ⅰ. Salaries/Wages				125,000
Common Labour		5 man/month	25,000	125,000
Ⅱ. Materials and supplies				180,295,000
Ⅲ. Total(Ⅰ+Ⅱ)				180,420,000
Rounded Total				180,400,000

Zeras – Annual O/M Cost for Handicraft Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				34,009,120
1. Electricity (0.2kW×8h/day×100day/year)	160	kWh	57 Rls.	9,120
2. Labor				
a. Horizontal weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
b. Vertical weaving machine (10m/d×60day/year)	600	m/d	20,000 Rls.	12,000,000
3. Raw material				
a. Horizontal weaving machine	250	kg	20,000 Rls.	5,000,000
b. Vertical weaving machine	250	kg	20,000 Rls.	5,000,000
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				34,573,120
Rounded Total				34,570,000
			Number of Village 4	138,280,000

Zeras – Annual O/M Cost for Multi-purpose Training Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				4,560
1. Electricity (0.2kW×8h/day×50day/year)	80	kWh	57 Rls.	4,560
Ⅱ. Maintenance Cost				564,000
1. Building (1% of Building Works)				564,000
Ⅲ. Total(Ⅰ+Ⅱ)				568,560
Rounded Total				570,000
			Number of Village 4	2,280,000

Zeras – Annual O/M Cost for Milk Processing Facility

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Operation Cost				397,441,576
1. Electricity				
a. Building (0.2kW×8h/day×365day/year)	584	kWh	57 Rls.	33,288
b. Mixing machine (0.4kW×4h/day×365day/year)	584	kWh	57 Rls.	33,288
2. Labor				
a. Office (2m/d×365day/year)	730	m/d	25,000 Rls.	18,250,000
b. Mixing machine (2m/d×0.5(efficency)×200day/year)	200	m/d	25,000 Rls.	5,000,000
c. Vehicle (1m/d×365day/year)	365	m/d	25,000 Rls.	9,125,000
3. Raw material				
a. Raw milk (10litre/day/head×100heads×365days)	365,000	kg	1,000 Rls.	365,000,000
Ⅱ. Maintenance Cost				1,284,000
1. Building (1% of Building Works)				564,000
2. Equipment (1% of Price of Equipment)				
a. Vehicle				700,000
b. Mixing machine				20,000
Ⅲ. Total(Ⅰ+Ⅱ)				398,725,576
Rounded Total				398,730,000
			Number of Village 2	797,460,000

Zeras – Annual O/M Cost for Community Enhancement

Work Item	Q'ty	Unit	Financial Unit Cost	Financial Amount (Rial)
Ⅰ. Salaries/ Wages				7,200,000
(Enlightment Activities)	(433HH÷50HH/place×5times)			
1. Administrator	1.5	person	1,920,000 Rls.	2,880,000
2. Engineer	1.5	person	1,680,000 Rls.	2,520,000
3. Driver	1.5	person	1,200,000 Rls.	1,800,000
Ⅱ. Maintenance Cost				0
Ⅲ. Total(Ⅰ+Ⅱ)				7,200,000
Rounded Total				7,200,000

Table L-9 Sample Survey of Household Economy

Site No. Village Name Farmer's Name (Age) Number of Family	Item	K8-28 Zeras Upper sourakh Mr. Saldaleh (43) 4	K8-28 Zeras Lower sourakh Farmer (40) 11	K7-48 Tang sorkh Tang sorkh Mr. Ali Hosserabi (60) 6	
Value of Output					
(1) Agriculture	Kinds	Wheat	Wheat/ Paddy	Apple	Wheat, Barley
	Area (ha)	0.5	1.0/ 0.15	Young tree: 300 Old tree: 30	0.5
	Yield (t/ha)	2.0	4.0/ 6.0	50kg/tree	2.0
	Price (Rls/ kg)	Self consumption	Self consumption	2,000 Rls/kg	1,000
	Production (Rls./year)	0	0	3,000,000	1,000,000
(2) Livestock					
	Kinds	Sheep, Goats	Goats	-	-
	Number	20, 30	20	-	-
	Price (Rls/ kg)	10,000Rls/kg	10,000Rls/kg	-	-
	Weight (kg/ heads)	20	30	-	-
	Selling number (heads)	20	7	-	-
	Sub-total	4,000,000	2,100,000		
Total		4,000,000	2,100,000	3,000,000	1,000,000
Input Cost					
(1) Agriculture	Seed (60,000 Rls./ha)	30,000	300,000	Input costs for Old tree: 4,000R/tree/year	100,000
	Plowing			(500Rls/tree/year)	60,000
	Fertilizer	10,000		(700Rls/tree/year)	50,000
	Insecticide			(1,300Rls/tree/year)	
	Irrigation			(1,300Rls/tree/year)	150,000
	Harvest (machine, rent)			(200Rls/tree/year)	300,000
	Transport (Market)	Dehdes (3km)			
	Transport (Unit price)			Input costs for Young tree: 2,000R/tree/year	
	Transport (Cost)	Himself			
	Sub-total	40,000	300,000	720,000	660,000
(2) Livestock	Feed		100,000 (10,000Rls/ bag of barlly)	-	-
	Medicine	10,000Rls/head	10,000Rls/head	-	-
	Transport (Market)		Izeh (8km)	-	-
	Transport (Cost)			-	-
		500,000	300,000		
	Sub-total	540,000	600,000	720,000	660,000
Net Value					
(1) Agriculture	Rls./year	-40,000	-300,000	2,620,000	
(2) Livestock	Rls./year	3,500,000	1,800,000	0	
Total		**3,460,000**	**1,500,000**	**2,620,000**	

Source: Interview Survey in the Master Plan Study Are

Table L-9 Sample Survey of Household Economy

Site No.	Item	K7-0-19-1 Sarbaz	K7-0-19-1 Sarbaz	K7-0-19-1 Sarbaz
Village Name			Nomads tent	Nomads tent
Farmer's Name (Age)		Farmer	Mr. Hodadah Hossani (45)	Mr. Kiyomash Hossani (31)
Number of Family			8	5
Value of Output				
(1) Agriculture	Kinds	Apple	-	-
	Area (ha)	300 tree/ha	-	-
	Yield (t/ha)	40t/ha	-	-
	Price (Rls/ kg)	2,000 Rls/kg	-	-
	Production (Rls./year)	80,000,000		
(2) Livestock				
	Kinds	-	Goats, Sheep	Goats, Sheep
	Number	-	100, 50	100, 100
	Price (Rls/ kg)	-	Goats: 7,000Rls/kg Sheep: 8,000Rls/kg	Goats: 7,000Rls/kg Sheep: 8,000Rls/kg
	Weight (kg/ heads)	-	20-30	20-30
	Selling number (heads)	-	50, 40	60, 60
	Sub-total		16,750,000	22,500,000
Total		80,000,000	16,750,000	22,500,000
Input Cost				
(1) Agriculture	Seed (60,000 Rls./ha)	Input costs: 4,000R/tree/year	-	-
	Plowing	(500Rls/tree/year)	-	-
	Fertilizer	(700Rls/tree/year)	-	-
	Insecticide	(1,300Rls/tree/year)	-	-
	Irrigation	(1,300Rls/tree/year)	-	-
	Harvest (machine, rent)	(200Rls/tree/year)	-	-
	Transport (Market)		-	-
	Transport (Unit price)		-	-
	Transport (Cost)		-	-
	Sub-total	1,200,000		
(2) Livestock	Feed	-	Barlly (Sep-Apr): 30,000Rls/head (1,000Rls/kg) Alfalfa (Sep-Apr): 30,000Rls/head (1,000Rls/kg) Grass land: 30,000Rls/head	Barlly (Sep-Apr): 30,000Rls/head (1,000Rls/kg) Alfalfa (Sep-Apr): 30,000Rls/head (1,000Rls/kg) Grass land: 30,000Rls/head
	Medicine	-	10,000Rls/head	10,000Rls/head
	Transport (Market)	-		
	Transport (Cost)	-	Rent a car 15,000 Rls	Rent a car 15,000 Rls
			15,000,000	20,000,000
	Sub-total		15,000,000	20,000,000
Net Value				
(1) Agriculture	Rls./year	78,800,000	0	0
(2) Livestock	Rls./year	0	1,750,000	2,500,000
Total		**78,800,000**	**1,750,000**	**2,500,000**

Source: Interview Survey in the Master Plan Study Are

Table L-10 Net Value of Fish Firm

Site No. Village Name		K5-19a Bazoft Mavarz village	
Value of Output	Scale Price: in winter in summer (in 1992) Production (Rls/year)	50 t/year 14,000-18,000 Rls/kg 11,000 Rls/kg (8,000 Rls/kg) 725,000,000	
Total		725,000,000	0
Input Cost	O&M, Labor cost (Number of labor) (Labor cost, inc. insuranc Water Use (without charg Construction cost ID Cost (Rls/year)	8,000 Rls/kg 6 persons 700,000-1,000,000Rls/month 500 l/sec 1,000,000,000 Rls 10,000,000 Rls 400,000,000	0
Net Value		325,000,000	0

Source: Interview Survey in the Master Plan Study Area, June 2001.

Table L-11 Desired More Income

Sub-basin	Village			Average Household Income								Desired More Income (1)	
				Village (million Rials/yr/household)			Nomad (million Rials/yr/household)			Less than the minimum wage (4.7 million Rls./yr)		(million rial/yr)	% to present
Code	Sq. No.	No.	Name	Crops	Live stock	Total	Crops	Live stock	Total	Village	Nomad		
K4-1-9	1	1	Konark Olya	8.0	3.0	11.0	0.0	20.0	20.0			14.0	127.3%
K4-1-9	2	2	Konark Sofla	9.0	4.0	13.0	0.0	25.0	25.0			14.0	107.7%
K4-1-9	3	3	Nasir Abad	4.0	3.0	7.0	0.0	0.0	0.0			23.0	328.6%
K4-1-9	4	4	Vastegan	6.0	4.0	10.0	1.0	11.0	12.0			20.0	200.0%
K5-19a	5	1	Arteh	0.5	0.3	0.8	0.2	3.0	3.2	-3.9	-4.5	0.8	100.0%
K5-19a	6	2	Baghchenar	1.0	1.0	2.0	0.8	2.0	2.8	-2.7	-3.9	11.0	550.0%
K5-19a	7	3	Chemghaleh	0.6	0.4	1.0	0.0	0.0	0.0	-3.7		1.0	100.0%
K5-19a	8	4	Dorak	0.6	1.5	2.1	0.0	0.0	0.0	-2.6		3.0	142.9%
K5-19a	9	5	Fariak	1.5	2.0	3.5	0.0	0.0	0.0	-1.2		6.5	185.7%
K5-19a	10	6	Ghale Tabarak	0.8	0.7	1.5	0.3	1.5	1.8	-3.2	-4.4	6.0	400.0%
K5-19a	11	7	Kachooz	0.8	0.7	1.5	0.9	1.2	2.1	-3.2	-3.8	2.9	193.3%
K5-19a	12	8	Khiyarkar	0.9	1.2	2.1	0.7	1.5	2.2	-2.6	-4.0	3.0	142.9%
K5-19a	13	9	Tabarak Olya	0.6	0.3	0.8	0.0	1.5	1.5	-3.9	-4.7	2.0	250.0%
K5-19a	14	10	Tabarak Sofla	0.5	0.3	0.8	0.4	0.5	0.9	-3.9	-4.3	7.0	875.0%
K7-0-19-1	15	1	Deh Bozorg	45.0	1.5	46.5	3.0	5.5	8.5			30.0	64.5%
K7-0-19-1	16	2	Dangazloo	70.0	0.0	70.0	5.0	9.0	14.0			20.0	28.6%
K7-0-19-1	17	3	Dorahan	15.0	2.2	17.2	0.0	0.0	0.0			10.0	58.1%
K7-0-19-1	18	4	Devergan sofla	15.0	10.0	25.0	10.0	15.0	25.0			20.0	80.0%
K7-0-19-1	19	5	Devergan Olya	30.0	10.0	40.0	10.0	15.0	25.0			10.0	25.0%
K7-0-19-1	20	6	Kahangan	12.0	2.5	14.5	9.0	13.0	22.0			9.0	62.1%
K7-0-19-1	21	7	Noghel	60.0	3.0	63.0	0.0	0.0	0.0			7.0	11.1%
K7-0-19-1	22	8	Noorabad	8.0	2.5	10.5	4.5	7.5	12.0			15.0	142.9%
K7-0-19-1	23	9	Sarbaz	30.0	10.0	40.0	5.0	20.0	25.0			5.0	12.5%
K7-0-19-1	24	10	Telmohamad	45.0	3.5	48.5	40.0	12.0	52.0			45.0	92.8%
K7-0-19-1	25	11	Zabih Abad	40.0	0.0	40.0	0.0	0.0	0.0			40.0	100.0%
K7-48	26	1	Allah Abad	0.7	1.1	1.8	0.0	0.0	0.0	-2.9		3.0	166.7%
K7-48	27	2	Cheshmeh Chenar	3.0	1.5	4.5	6.0	15.0	21.0	-0.2		3.5	77.8%
K7-48	28	3	Hassan Abad	3.0	4.0	7.0	2.5	5.0	7.5			7.0	100.0%
K7-48	29	4	Islam Abad	2.0	2.5	4.5	0.0	0.0	0.0	-0.2		3.5	77.8%
K7-48	30	5	Mehrab Abad	1.5	2.0	3.5	0.0	0.0	0.0	-1.2		2.5	71.4%
K7-48	31	6	Sar Tang Sorkh	2.5	5.0	7.5	0.0	0.0	0.0			2.5	33.3%
K7-48	32	7	Tang Sorkh	6.0	4.5	10.5	2.5	9.5	12.0			3.0	28.6%
K8-28	33	1	Ali Bandeh	10.0	10.0	20.0	0.0	0.0	0.0			5.0	25.0%
K8-28	34	2	Badelon	2.6	10.0	12.6	0.0	0.0	0.0			6.0	47.6%
K8-28	35	3	Bardkal	4.0	9.0	13.0	0.0	0.0	0.0			3.0	23.1%
K8-28	36	4	Behoz	0.9	6.0	6.9	0.0	0.0	0.0			7.0	101.4%
K8-28	37	5	Cham	0.5	10.0	10.5	0.0	0.0	0.0			5.0	47.6%
K8-28	38	6	Dareh Sohrab	2.8	1.5	4.3	0.0	0.0	0.0	-0.5		8.0	188.2%
K8-28	39	7	Dareh Zangi	3.6	14.0	17.6	0.0	0.0	0.0			12.0	68.2%
K8-28	40	8	Dawodiha	3.5	0.9	4.4	0.0	0.0	0.0	-0.3		7.0	159.1%
K8-28	41	9	Gard Lidan	10.0	3.0	13.0	0.0	0.0	0.0			5.0	38.5%
K8-28	42	10	Lir Siya Mozrom	10.0	8.0	18.0	0.0	0.0	0.0			9.0	50.0%
K8-28	43	11	Lir Siya Shapouri	5.6	3.3	8.9	0.0	0.0	0.0			8.0	89.9%
K8-28	44	12	Sartuf	6.1	3.5	9.6	0.0	0.0	0.0			7.0	72.9%
K8-28	45	13	Sebalutak	0.6	0.5	1.1	0.0	0.0	0.0	-3.6		10.0	909.1%
K8-28	46	14	Shahghaz	40.0	10.0	50.0	0.0	0.0	0.0			5.0	10.0%
K8-28	47	15	Zeras	2.5	2.0	4.5	0.0	0.0	0.0	-0.2		6.0	133.3%
Average/Total													
K4-1-9		4		6.8	3.5	10.3	0.3	14.0	14.3	0.0%	0.0%	17.8	173.2%
K5-19a		10		0.8	0.8	1.6	0.3	1.1	1.5	100.0%	70.0%	4.3	268.3%
K7-0-19-1		11		33.6	4.1	37.7	7.9	8.8	16.7	0.0%	0.0%	19.2	50.8%
K7-48		7		2.7	2.9	5.6	1.6	4.2	5.8	57.1%	0.0%	3.6	63.6%
K8-28		15		6.8	6.1	13.0	0.0	0.0	0.0	26.7%	0.0%	6.9	53.0%
Grand Average/Total													
		47		10.1	3.5	13.6	2.0	5.6	7.6	36.8%	14.0%	10.3	75.8%

Table L-11 Desired More Income

Sub-basin	Village			Desired More Income (2)						
				Major Items for Expence						
Code	Sq. No.	No.	Name	Constructing house with facility	Develop Agriculture	Agri. Machinary/ tool	Livestock	Education	Food	Others
K4-1-9	1	1	Konark Olya	○	○	○	○			
K4-1-9	2	2	Konark Sofla	○		○				
K4-1-9	3	3	Nasir Abad			○	○			
K4-1-9	4	4	Vastegan			○	○			
K5-19a	5	1	Arteh	○						
K5-19a	6	2	Baghchenar	○		○		○		
K5-19a	7	3	Chemghaleh	○					○	
K5-19a	8	4	Dorak	○				○		
K5-19a	9	5	Fariak						○	Cloth, Daily life
K5-19a	10	6	Ghale Tabarak	○					○	Cloth, Daily life
K5-19a	11	7	Kachooz		○		○			
K5-19a	12	8	Khiyarkar	○					○	Cloth, Daily life
K5-19a	13	9	Tabarak Olya						○	Cloth, Daily life
K5-19a	14	10	Tabarak Sofla		○		○			Honey Bee
K7-0-19-1	15	1	Deh Bozorg		○			○		Daily life
K7-0-19-1	16	2	Dangazloo	○	○					
K7-0-19-1	17	3	Dorahan	○				○		Daily life
K7-0-19-1	18	4	Devergan sofla	○				○		Daily life
K7-0-19-1	19	5	Devergan Olya							
K7-0-19-1	20	6	Kahangan		○					Daily life
K7-0-19-1	21	7	Noghel							
K7-0-19-1	22	8	Noorabad		○					Daily life
K7-0-19-1	23	9	Sarbaz		○		○			
K7-0-19-1	24	10	Telmohamad	○	○			○		
K7-0-19-1	25	11	Zabih Abad	○	○	○				
K7-48	26	1	Allah Abad	○					○	Daily life
K7-48	27	2	Cheshmeh Chenar	○						Daily life
K7-48	28	3	Hassan Abad	○				○		Daily life
K7-48	29	4	Islam Abad	○				○		Daily life
K7-48	30	5	Mehrab Abad	○				○		Daily life
K7-48	31	6	Sar Tang Sorkh	○				○		Daily life
K7-48	32	7	Tang Sorkh	○				○		Daily life
K8-28	33	1	Ali Bandeh							Go to Mecca
K8-28	34	2	Badelon		○		○			
K8-28	35	3	Bardkal	○				○		Daily life
K8-28	36	4	Behoz	○				○		Daily life
K8-28	37	5	Cham	○						Daily life
K8-28	38	6	Darch Sohrab	○						Go to Mashhad
K8-28	39	7	Dareh Zangi		○		○			
K8-28	40	8	Dawodiha	○						Daily life
K8-28	41	9	Gard Lidan	○					○	Daily life
K8-28	42	10	Lir Siya Mozrom	○						Daily life
K8-28	43	11	Lir Siya Shapouri	○						Daily life
K8-28	44	12	Sartuf	○				○		Daily life
K8-28	45	13	Sebalutak				○			
K8-28	46	14	Shahghaz		○		○			
K8-28	47	15	Zeras	○			○			Daily life
Average/Total										
K4-1-9		4		50.0%	25.0%	100.0%	75.0%	0.0%	0.0%	
K5-19a		10		60.0%	20.0%	10.0%	20.0%	20.0%	50.0%	
K7-0-19-1		11		45.5%	63.6%	9.1%	9.1%	36.4%	0.0%	
K7-48		7		100.0%	0.0%	0.0%	0.0%	71.4%	14.3%	
K8-28		15		66.7%	20.0%	0.0%	33.3%	20.0%	6.7%	
Grand Average/Total										
		47		64.4%	25.7%	23.8%	27.5%	29.6%	14.2%	

Table L-11 Desired More Income

Sub-basin	Village			Desired More Income (3)								
				Intention to Investment for Further Development								
Code	Sq. No.	No.	Name	Agriculture	Livestock	Orchard	Fish Culture	Processing	Dairy	Handi Craft	Carpet	Others
K4-1-9	1	1	Konark Olya	○	○							
K4-1-9	2	2	Konark Sofla	○	○							
K4-1-9	3	3	Nasir Abad									
K4-1-9	4	4	Vastegan	○	○							
K5-19a	5	1	Arteh		○		○					
K5-19a	6	2	Baghchenar	○	○	○						
K5-19a	7	3	Chemghaleh					○				Rural Industry
K5-19a	8	4	Dorak		○							
K5-19a	9	5	Fariak	○	○							
K5-19a	10	6	Ghale Tabarak	○	○		○					
K5-19a	11	7	Kachooz	○		○						
K5-19a	12	8	Khiyarkar	○	○							
K5-19a	13	9	Tabarak Olya			○						
K5-19a	14	10	Tabarak Sofla		○	○	○					
K7-0-19-1	15	1	Deh Bozorg					○		○		Carton making
K7-0-19-1	16	2	Dangazloo					○				
K7-0-19-1	17	3	Dorahan			○	○					
K7-0-19-1	18	4	Devergan sofla									
K7-0-19-1	19	5	Devergan Olya					○		○		Pasture delegation
K7-0-19-1	20	6	Kahangan				○	○	○	○		
K7-0-19-1	21	7	Noghel	○				○				
K7-0-19-1	22	8	Noorabad		○		○	○				
K7-0-19-1	23	9	Sarbaz					○				
K7-0-19-1	24	10	Telmohamad		○			○				
K7-0-19-1	25	11	Zabih Abad					○				
K7-48	26	1	Allah Abad			○						
K7-48	27	2	Cheshmeh Chenar		○	○	○			○		Aviculture
K7-48	28	3	Hassan Abad		○	○						
K7-48	29	4	Islam Abad			○	○	○				Rural Industry
K7-48	30	5	Mehrab Abad	○	○					○	○	
K7-48	31	6	Sar Tang Sorkh			○	○					Poultry
K7-48	32	7	Tang Sorkh			○	○					Poultry
K8-28	33	1	Ali Bandeh	○	○							
K8-28	34	2	Badelon	○	○							
K8-28	35	3	Bardkal	○	○							
K8-28	36	4	Behoz	○	○							
K8-28	37	5	Cham	○		○						Fruit production
K8-28	38	6	Dareh Sohrab	○		○						Fruit production
K8-28	39	7	Dareh Zangi	○	○							Agricultural protection
K8-28	40	8	Dawodiha		○			○				Industry
K8-28	41	9	Gard Lidan	○	○	○						
K8-28	42	10	Lir Siya Mozrom			○						
K8-28	43	11	Lir Siya Shapouri	○				○				Industry
K8-28	44	12	Sartuf	○	○	○		○				
K8-28	45	13	Sebalutak	○	○							
K8-28	46	14	Shahghaz	○	○							
K8-28	47	15	Zeras	○	○							
Average/Total												
K4-1-9		4		75.0%	75.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
K5-19a		10		50.0%	70.0%	40.0%	30.0%	10.0%	0.0%	0.0%	0.0%	
K7-0-19-1		11		9.1%	18.2%	9.1%	27.3%	81.8%	9.1%	27.3%	0.0%	
K7-48		7		14.3%	42.9%	85.7%	57.1%	14.3%	0.0%	28.6%	14.3%	
K8-28		15		86.7%	73.3%	33.3%	0.0%	20.0%	0.0%	0.0%	0.0%	
Grand Average/Total												
		47		47.0%	55.9%	33.6%	22.9%	25.2%	1.8%	11.2%	2.9%	

Table L-11 Desired More Income

Sub-basin	Village			Village movement		
Code	Sq. No.	No.	Name	Resettlement	Village move in summer from---to	Place move to
K4-1-9	1	1	Konark Olya	no	no	no
K4-1-9	2	2	Konark Sofla	no	no	no
K4-1-9	3	3	Nasir Abad	no	no	no
K4-1-9	4	4	Vastegan	no	no	no
K5-19a	5	1	Arteh	yes	no	no
K5-19a	6	2	Baghchenar	yes	no	no
K5-19a	7	3	Chemghaleh	no	no	no
K5-19a	8	4	Dorak	no	no	no
K5-19a	9	5	Fariak	yes	no	no
K5-19a	10	6	Ghale Tabarak	no	no	no
K5-19a	11	7	Kachooz	no	no	no
K5-19a	12	8	Khiyarkar	no	no	no
K5-19a	13	9	Tabarak Olya	yes	no	no
K5-19a	14	10	Tabarak Sofla	no	no	no
K7-0-19-1	15	1	Deh Bozorg	yes	no	no
K7-0-19-1	16	2	Dangazloo	no	no	no
K7-0-19-1	17	3	Dorahan	yes	no	no
K7-0-19-1	18	4	Devergan sofla	yes	no	no
K7-0-19-1	19	5	Devergan Olya	yes	no	no
K7-0-19-1	20	6	Kahangan	yes	no	no
K7-0-19-1	21	7	Noghel	no	no	no
K7-0-19-1	22	8	Noorabad	yes	no	no
K7-0-19-1	23	9	Sarbaz	no	no	no
K7-0-19-1	24	10	Telmohamad	yes	no	no
K7-0-19-1	25	11	Zabih Abad	no	no	no
K7-48	26	1	Allah Abad	no	no	no
K7-48	27	2	Cheshmeh Chenar	yes	no	no
K7-48	28	3	Hassan Abad	yes	no	no
K7-48	29	4	Islam Abad	no	no	no
K7-48	30	5	Mehrab Abad	no	no	no
K7-48	31	6	Sar Tang Sorkh	no	no	no
K7-48	32	7	Tang Sorkh	yes	no	no
K8-28	33	1	Ali Bandeh	no	June-September	Dehdez (mountain areas)
K8-28	34	2	Badelon	yes	June-September	Dehdez (mountain areas)
K8-28	35	3	Bardkal	no	June-September	Dehdez (mountain areas)
K8-28	36	4	Behoz	yes	June-September	Dehdez (mountain areas)
K8-28	37	5	Cham	no	no	no
K8-28	38	6	Dareh Sohrab	no	no	no
K8-28	39	7	Dareh Zangi	yes	no	no
K8-28	40	8	Dawodiha	no	no	no
K8-28	41	9	Gard Lidan	no	no	no
K8-28	42	10	Lir Siya Mozrom	no	June-September	Dehdez (mountain areas)
K8-28	43	11	Lir Siya Shapouri	yes	June-September	Dehdez (mountain areas)
K8-28	44	12	Sartuf	no	no	no
K8-28	45	13	Sebalutak	no	no	no
K8-28	46	14	Shahghaz	no	no	no
K8-28	47	15	Zeras	yes	June-September	Dehdez (mountain areas)
Average/Total						
K4-1-9		4				
K5-19a		10				
K7-0-19-1		11				
K7-48		7				
K8-28		15				
Grand Average/Total						
		47				

Table L-12 Problems for Villagers

Sub-basin	Village			1.Mitigation of flood and debris flow, and landslide damages		2.Reduction of soil erosion and conservation of water		3.Restoration/improvement of rangeland	4.Improvement of living standard						5.Improvement of agricultural products/ inputs marketing and extension of agricultural technology						
Code	Sq. No.	No.	Name	Flood Debrs	Land slide	Erosin	Sediment	Range land	Emply/Job Opty	Farm land	Drinking Water	Irrigation Water	Access Road	Farm Road	Marketing	Fertilizer	Pesticide	Machinery	Credit	Extsn srvce	Sanitation/ Health
K4-1-9	1	1	Konark Olya	L				F	F	F	H	H	L		S		F	F	F	H	
K4-1-9	2	2	Konark Sofla				S	F	F	H		F	F	H	S	F	F	F	F	H	F
K4-1-9	3	3	Nasir Abad	L			S		H	H	F	F	F	F	H	F	F	F	H	H	F
K4-1-9	4	4	Vastegan	S	L	S	S	S	H	H	F	F	F	F	H	F	F	H	H	H	F
K5-19a	5	1	Arteh	S	F	F		F	S	H	F	L		H	H	F	F	F	H	H	S
K5-19a	6	2	Baghchenar	S	S	S	H	F	S	H	F	F		H	H	F	F	H	H	H	
K5-19a	7	3	Chemghaleh	F		F	F	H	H	H	F	H	L	H	H	H	H	H	H	H	F
K5-19a	8	4	Dorak	S	S	S	F	H	S	H	H	L		F	H		F		H	H	
K5-19a	9	5	Fariak	S		F	F	H	H	H	S	F	H	H	H	F	F	H	H	H	H
K5-19a	10	6	Ghale Tabarak	S		F	F	H	S	H	F	H	H	H	H	F	F	H	H	H	H
K5-19a	11	7	Kachooz	S		S	S	H	S	S	L	F	S	H	H	F	F	H	H	H	S
K5-19a	12	8	Khiyarkar	S	F	F	F	H	H	F	F	F	H	H	H	F	F	H	F	H	
K5-19a	13	9	Tabarak Olya	L		F	L	F	H	F	F		H	H	F	F	F	F	H	L	L
K5-19a	14	10	Tabarak Sofla	H			F	H	H	H	L	F	H	H	H	F	F		H	H	F
K7-0-19-1	15	1	Deh Bozorg	F	F	F	F	F	F	F	H	H	F	H	F	F	F	F	F	F	H
K7-0-19-1	16	2	Dangazloo		L	H		L		H		F		H	H				H		
K7-0-19-1	17	3	Dorahan	H	F	L	L	H	F	H	F	F		H	H	F	F	L	H	F	H
K7-0-19-1	18	4	Devergan sofla	F	F	H	F	H	F	H	H	H	H	H	F	F	F	L	H	H	F
K7-0-19-1	19	5	Devergan Olya	L		H	F	H	F	F	H	H	H	H	F	F	F	L	H	H	H
K7-0-19-1	20	6	Kahangun			F	F	F	F		H		F	H	F	F	F	F	F	F	
K7-0-19-1	21	7	Noghel	F	F	H	L	H	L	H	F	H		H	L	H	H	H	F	L	F
K7-0-19-1	22	8	Noorabad	F	F	F	F	F	F	F	H	H	F	H	F	F	F	F	F	H	H
K7-0-19-1	23	9	Sarbaz	F	H	H	F	H	F	H	H	H	H	H	H	H	H		H	H	
K7-0-19-1	24	10	Telmohamad	F	F	H	H	H	F	H	H	H	F	H	F	F	F	F	F	H	
K7-0-19-1	25	11	Zabih Abad	H	F	F	F			H	H	H	F	H	L	F	F	H	H	L	H
K7-48	26	1	Allah Abad	H	N	L	F	H	S	H	H	S		H	H	H	H	H	H	H	H
K7-48	27	2	Cheshmeh Chenar	H	F	S	H	S	H	H	H	S		H	F	L	L	H	H	H	H
K7-48	28	3	Hassan Abad	S	H	H	H	F	H	H	S	S	H	H	H	L	H	F	H	H	H
K7-48	29	4	Islam Abad	S		L	L	H	H	F	H	S	H	H	H			F	H	H	H
K7-48	30	5	Mehrab Abad	F		H	F	H	L	H	H	H	H	H	F			F	F	H	H
K7-48	31	6	Sar Tang Sorkh	H	F	S	L	H	H	H	F		H	H	H	H	H	H	H	H	H
K7-48	32	7	Tang Sorkh	S	F	S	F	H	H	H	H		H	H	H			H	H	H	H
K8-28	33	1	Ali Bandeh	S		S	S	H		H	H	S	S	H	H	F		H	F	H	L
K8-28	34	2	Badelon			S	H	H	H	H	H	S	S	H	H	H		F	H	H	H
K8-28	35	3	Bardkal	H		H	N					S		H							
K8-28	36	4	Behoz	S		S	S	H	H	H	H	S	S	S	H	H		F	H	F	H
K8-28	37	5	Cham	S		F	F	H	H	H	L	S	S	H	L			F	H	H	H
K8-28	38	6	Dareh Sohrab			H	L	H	H	H	H	S	S	H	L	H		H	H	H	F
K8-28	39	7	Dareh Zangi			S	S	H	H	H	H	S	S	H	H	H		H	H	H	
K8-28	40	8	Dawodiha			S	F	H	H	H	H	S		H	H	H		H	H	H	
K8-28	41	9	Gard Lidan	L		S	S	H	F	H	H	S	S	H		H		H	H	H	H
K8-28	42	10	Lir Siya Mozrom	H		S	F		H	H	S	S	S	H	H	F	F	H	F	H	F
K8-28	43	11	Lir Siya Shapouri	S		S	S	H	H	H	S	S	S	L	H	H	F	H	H	H	H
K8-28	44	12	Sartuf	S		S	H		H	H	S	S	S	H	F	F	F	H	H	H	H
K8-28	45	13	Sebalutak			L	L	H	F	H	H	S	S	H	H	F	F	F	H	H	F
K8-28	46	14	Shahghaz			F	F	H	H		S	S						F		H	
K8-28	47	15	Zeras			S	H	H	H	H	S	S	S	H	F	F		H	H	H	H
Average/Total				Percentage of Severe (S) and High (H) Level Problems																	
K4-1-9		4		25.0%	0.0%	25.0%	75.0%	25.0%	50.0%	75.0%	25.0%	25.0%	0.0%	25.0%	100.0%	0.0%	0.0%	25.0%	50.0%	100.0%	0.0%
K5-19a		10		80.0%	20.0%	30.0%	20.0%	70.0%	100.0%	80.0%	20.0%	20.0%	60.0%	90.0%	90.0%	10.0%	10.0%	60.0%	90.0%	90.0%	40.0%
K7-0-19-1		11		18.2%	9.1%	54.5%	9.1%	54.5%	0.0%	63.6%	72.7%	72.7%	27.3%	100.0%	27.3%	18.2%	18.2%	18.2%	54.5%	45.5%	45.5%
K7-48		7		85.7%	14.3%	71.4%	28.6%	85.7%	85.7%	85.7%	85.7%	71.4%	71.4%	100.0%	71.4%	28.6%	42.9%	42.9%	85.7%	100.0%	100.0%
K8-28		15		46.7%	0.0%	80.0%	53.3%	80.0%	86.7%	86.7%	100.0%	100.0%	86.7%	80.0%	53.3%	46.7%	0.0%	60.0%	73.3%	86.7%	60.0%
Grand Average/Total																					
		47		51.1%	8.7%	52.2%	37.2%	63.1%	64.5%	78.2%	60.7%	57.8%	49.1%	79.0%	68.4%	20.7%	14.2%	41.2%	70.7%	84.4%	49.1%

Source: Village Survey

Note: Problems (S :Severe, H :High, F :Fair, L :Low)

Table L-13, Estimated Amount of Annual Damages (1000Rls.)

Area	Project	Property	Financial (1000Rls.)	Economic (1000Rls.)
Vastegan	Check Dam	Farm Land (Wheat Products)	68,260	77,370
		Orchard (Sediment Removal)	44,600	20,960
		Irrigation Facility (Sediment Removal)	1,360	650
		Fish Pond (Damage on Products)	63,820	59,990
		Fish Pond (Sediment Removal)	170	80
		Farm Land (Sediment Removal)	368,360	173,130
		Subtotal	**178,040**	**158,970**
	River Improvement	Farm Land (Wheat Products)	234,050	265,260
		Farm Land (Sediment Removal)	736,710	346,250
		Subtotal	***970,760***	***611,510***
	Total		**1,148,800**	**770,480**
Chaman Goli Bazoft	Check Dam	Farm Land (Wheat Products)	267,210	302,840
		Orchard (Sediment Removal)	29,730	13,970
		Irrigation Facility (Wheat Products)	448,800	508,640
		Irrigation Facility (Apple Products)	34,480	32,380
		Irrigation Facility (Sediment Removal)	1,180	560
		Subtotal	**781,400**	**858,390**
	River Treatment	Farm Land (Wheat, Land Productivity)	1,690	1,590
		Road (Rehabilitation)	36,190	34,020
		Subtotal	**37,880**	**35,610**
	Rock-fall Protection Landslide	House	52,930	49,760
		Road (Rehabilitation)	50,380	23,680
		Subtotal	**103,310**	**73,440**
	Total		**922,590**	**967,440**
Sarbaz	Check Dam	Orchard (Sediment Removal)	**1,945,840**	**914,550**
	River Treatment	Orchard (Sediment Removal)	92,500	43,480
		Orchard (Apple Products)	344,780	323,760
		Subtotal	**437,280**	**367,240**
	Landslide	Orchard (Apple Products)	418,660	393,130
		Road (Rehabilitation)	9,250	4,350
		Subtotal	**427,910**	**397,480**
	Total		**2,811,030**	**1,679,270**
Tang Sorkh	Check Dam	Orchard (Sediment Removal)	204,830	96,270
		Farm Land (Wheat Products)	78,020	63,580
	Total		**282,850**	**159,850**
Zeras	*Check Dam*	*Farm Land (Wheat Products)*	***577,320***	***470,490***
	Landslide	Road (Rehabilitation)	**10,320**	**4,850**
	Relocation of Houses	Lir Siya Shapouri	52,930	49,760
		Zeras	423,470	398,060
		Bardkal	105,870	99,510
		Subtotal	**582,270**	**547,330**
	Total		**1,752,180**	**1,570,000**

Table L-13-1, Estimated Amount of Damages (Flood Probability = 1/25)

Area	Project	Property	Q'ty	Financial Price (Rls.)		Conversion Factor	Economic Price (Rls.)	
				Unit Price	Amount		Unit Price	Amount
Vastegan	Check Dam	Farm Land (Wheat Products)	35 ha	2,597,700	90,919,500	-	2,944,060	103,042,100
		Orchard (Sediment Removal)	27 ha	2,200,000	59,400,000	0.47	1,034,000	27,918,000
		Irrigation Facility (Sediment Removal)	3,750 m	484	1,815,000	0.47	230	862,500
		Fish Pond (Damage on Products)	5,000 kg	17,000	85,000,000	0.94	15,980	79,900,000
		Fish Pond (Sediment Removal)	100 m^3	2,200	220,000	0.47	1,030	103,000
		Farm Land (Sediment Removal)	223 ha	2,200,000	490,600,000	0.47	1,034,000	230,582,000
		Subtotal			237,134,500			211,722,600
	River Improvement	Farm Land (Wheat Products)	120 ha	2,597,700	311,724,000	-	2,944,060	353,287,200
		Farm Land (Sediment Removal)	223 ha	4,400,000	981,200,000	0.47	2,068,000	461,164,000
		Subtotal			1,292,924,000			814,451,200
	Total				**1,530,058,500**			**1,026,173,800**
Chaman Goli Bazoft	Check Dam	Farm Land (Wheat Products)	137 ha	2,597,700	355,884,900	-	2,944,060	403,336,220
		Orchard (Sediment Removal)	9 ha	4,400,000	39,600,000	0.47	2,068,000	18,612,000
		Irrigation Facility (Wheat Products)	320 ha	1,867,950	597,744,000	-	2,117,010	677,443,200
		Irrigation Facility (Apple Products)	1 ha	32,800,000	45,920,000	-	30,800,000	43,120,000
		Irrigation Facility (Sediment Removal)	3,250 m	484	1,573,000	0.47	230	747,500
		Subtotal			1,040,721,900			1,143,258,920
	River Treatment	Farm Land (Wheat, Land Productivity)	1 ha	2,250,900	2,250,900	-	2,117,010	2,117,010
		Road (Rehabilitation)	100 m	482,000	48,200,000	0.94	453,080	45,308,000
		Subtotal			50,450,900			47,425,010
	Rock-fall Protection	House	5.0 Houses	14,100,000	70,500,000	0.94	13,254,000	66,270,000
	Landslide	Road (Rehabilitation)	6,100 m	11,000	67,100,000	0.47	5,170	31,537,000
		Subtotal			137,600,000			97,807,000
	Total				**1,228,772,800**			**1,288,490,930**
Sarbaz	Check Dam	Orchard (Sediment Removal)	589 ha	4,400,000	2,591,600,000	0.47	2,068,000	1,218,052,000
	River Treatment	Orchard (Sediment Removal)	28 ha	4,400,000	123,200,000	0.47	2,068,000	57,904,000
		Orchard (Apple Products)	14 ha	32,800,000	459,200,000	-	30,800,000	431,200,000
		Subtotal			582,400,000			
	Landslide	Orchard (Apple Products)	17 ha	32,800,000	557,600,000	-	30,800,000	523,600,000
		Road (Rehabilitation)	1,120 m	11,000	12,320,000	0.47	5,170	5,790,400
		Subtotal			569,920,000			529,390,400
	Total				**3,743,920,000**			**1,747,442,400**
Tang Sorkh	Check Dam	Orchard (Sediment Removal)	62 ha	4,400,000	272,800,000	0.47	2,068,000	128,216,000
		Farm Land (Wheat Products)	40 ha	2,597,700	103,908,000	-	2,117,010	84,680,400
	Total				**376,708,000**			**212,896,400**
Zeras	Check Dam	Farm Land (Wheat Products)	296 ha	2,597,700	768,919,200	-	2,117,010	626,634,960
	Landslide	Road (Rehabilitation)	1,250 m	11,000	13,750,000	0.47	5,170	6,462,500
	Relocation of Houses	Lir Siya Shapouri	5.0 Houses	14,100,000	70,500,000	0.94	13,254,000	66,270,000
		Zeras	40.0 Houses	14,100,000	564,000,000	0.94	13,254,000	530,160,000
		Bardkal	10.0 Houses	14,100,000	141,000,000	0.94	13,254,000	132,540,000
		Subtotal			775,500,000			728,970,000
	Total				**1,558,169,200**			**1,362,067,460**

Tanle L-13-2, Assumed Amount of Damages (Flood Probability = 1/25)

Area	Project	Property	Base Data Amount	Unit	Intencity/ Degree (%)	Estimated Amount	Unit
Vastegan	Check Dam	Farm Land (Wheat Products)	130	ha	27%	35	ha
		Orchard (Sediment Removal)	27	ha	100%	27	ha
		Irrigation Facility (Sediment Removal)	3,750	m	-	3,750	m
		Fish Pond (Damage on Products)	5,000	kg	-	5,000	kg
		Fish Pond (Sediment Removal)	100	m^3	-	100	m3
		Farm Land (Sediment Removal)	445	ha	50%	223	ha
		Subtotal					
	River Improvement	Farm Land (Wheat Products)	445	ha	27%	120	ha
		Farm Land (Sediment Removal)	445	ha	50%	223	ha
		Subtotal					
	Total						
Chaman Goli Bazoft	Check Dam	Farm Land (Wheat Products)	137	ha	100%	137	ha
		Orchard (Sediment Removal)	9	ha	100%	9	ha
		Irrigation Facility (Wheat Products)	320	ha	100%	320	ha
		Irrigation Facility (Apple Products)	5	ha	30%	1.4	ha
		Irrigation Facility (Sediment Removal)	3,250	m	-	3,250	m
		Subtotal					
	River Treatment	Farm Land (Wheat, Land Productivity)	1	ha	100%	1	ha
		Road (Rehabilitation)	100	m	100%	100	m
		Subtotal					
	Rock-fall Protection	House	5	Houses	100%	5.0	Houses
	Landslide	Road (Rehabilitation)	6,100	m	100%	6,100	m
		Subtotal					
	Total						
Sarbaz	Check Dam	Orchard (Sediment Removal)	589	ha	100%	589	ha
	River Treatment	Orchard (Sediment Removal)	28	ha	100%	28	ha
		Orchard (Apple Products)	14	ha	30%	4	ha
		Subtotal					
	Landslide	Orchard (Apple Products)	58	ha	30%	17	ha
		Road (Rehabilitation)	1,120	m	100%	1,120	m
		Subtotal					
	Total						
Tang Sorkh	Check Dam	Orchard (Sediment Removal)	206	ha	30%	62	ha
		Farm Land (Wheat Products)	133	ha	30%	40	ha
	Total						
Zeras	Check Dam	Farm Land (Wheat Products)	429	ha	69%	296	ha
	Landslide	Road (Rehabilitation)	1,250	m	100%	1,250	m
	Relocation of Houses	Lir Siya Shapouri	10	Houses	50%	5.0	Houses
		Zeras	80	Houses	50%	40.0	Houses
		Bardkal	19	Houses	50%	10.0	Houses
		Subtotal					
	Total						

Table L-14-1 Vastegan - Rangeland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Herbage (Livestock Feed) (Vegetation Improvement by Seed Sowing)	kg	12,775	1,000 Rls.	12,775,000	0.94	940 Rls.	12,008,500
2. Herbage (Livestock Feed) (Vegetation Improvement by Protection)	kg	3,075	1,000 Rls.	3,075,000	0.94	940 Rls.	2,890,500
3. Meat (Establsishment of Water Points for Livestock)	kg	4,320	22,000 Rls.	95,040,000	0.94	20,680 Rls.	89,337,600
Total				110,890,000			104,236,600
Rounded Total				110,890,000			104,240,000

Table L-14-2 Bazoft - Rangeland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Herbage (Livestock Feed) (Vegetation Improvement by Seed Sowing)	kg	17,675	1,000 Rls.	17,675,000	0.94	940 Rls.	16,614,500
2. Herbage (Livestock Feed) (Vegetation Improvement by Protection)	kg	6,450	1,000 Rls.	6,450,000	0.94	940 Rls.	6,063,000
3. Meat (Establsishment of Water Points for Livestock)	kg	4,320	22,000 Rls.	95,040,000	0.94	20,680 Rls.	89,337,600
Total				119,165,000			112,015,100
Rounded Total				119,170,000			112,020,000

Table L-14-3 Bazoft - Forestland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Almond (Establishment of Almond Plantation Plot)	kg	8,000	12,000	96,000,000	0.94	11,280 Rls.	90,240,000
Total				96,000,000			90,240,000
Rounded Total				96,000,000			90,240,000

Table L-14-4 Sarbaz - Rangeland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Herbage (Livestock Feed) (Vegetation Improvement by Seed Sowing)	kg	44,100	1,000 Rls.	44,100,000	0.94	940 Rls.	41,454,000
2. Herbage (Livestock Feed) (Vegetation Improvement by Protection)	kg	12,975	1,000 Rls.	12,975,000	0.94	940 Rls.	12,196,500
3. Meat (Establsishment of Water Points for Livestock)	kg	5,760	22,000 Rls.	126,720,000	0.94	20,680 Rls.	119,116,800
Total				183,795,000			172,767,300
Rounded Total				183,800,000			172,770,000

Table L-14-5 Tangsorkh - Rangeland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Herbage (Livestock Feed) (Vegetation Improvement by Seed Sowing)	kg	13,300	1,000 Rls.	13,300,000	0.94	940 Rls.	12,502,000
2. Herbage (Livestock Feed) (Vegetation Improvement by Protection)	kg	17,700	1,000 Rls.	17,700,000	0.94	940 Rls.	16,638,000
3. Meat (Establsishment of Water Points for Livestock)	kg	2,880	22,000 Rls.	63,360,000	0.94	20,680 Rls.	59,558,400
Total				94,360,000			88,698,400
Rounded Total				94,360,000			88,700,000

Table L-14-6 Tangsorkh - Rangeland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Almond (Establishment of Almond Plantation Plot)	kg	5,000	12,000	60,000,000	0.94	11,280 Rls.	56,400,000
Total				60,000,000			56,400,000
Rounded Total				60,000,000			56,400,000

Table L-14-7 Zeras - Rangeland Vegetation Improvement (per year)

Work Item	Unit	Q'ty	Financial		Conversion Factor	Economic	
			Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
1. Herbage (Livestock Feed) (Vegetation Improvement by Protection)	kg	25,200	1,000 Rls.	25,200,000	0.94	940 Rls.	23,688,000
2. Meat (Establsishment of Water Points for Livestock)	kg	4,320	22,000 Rls.	95,040,000	0.94	20,680 Rls.	89,337,600
Total				120,240,000			113,025,600
Rounded Total				120,240,000			113,030,000

Table L-15-1 Value of Output for Implementation of Rural Water Supply in Vastegan

Work Item	Spec	Q'ty	Unit	Financial		Conversion Factor	Economic	
				Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
Water Charge		5,280	capita/year	6,200 Rls.	32,736,000	0.94	5,828 Rls.	30,771,840
Total					32,736,000			30,771,840
Rounded Total					32,740,000			30,770,000

Table L-15-2 Value of Output for Implementation of Rural Water Supply in Chaman Goli-Bazoft

Work Item	Spec	Q'ty	Unit	Financial		Conversion Factor	Economic	
				Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
Water Charge		12,790	capita/year	6,200 Rls.	79,298,000	0.94	5,828 Rls.	74,540,120
Total					79,298,000			74,540,120
Rounded Total					79,300,000			74,540,000

Table L-15-3 Value of Output for Implementation of Rural Water Supply in Sarbaz

Work Item	Spec	Q'ty	Unit	Financial		Conversion Factor	Economic	
				Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
Water Charge		17,610	capita/year	6,200 Rls.	109,182,000	0.94	5,828 Rls.	102,631,080
Total					109,182,000			102,631,080
Rounded Total					109,180,000			102,630,000

Table L-15-4 Value of Output for Implementation of Rural Water Supply in Tangsorkh

Work Item	Spec	Q'ty	Unit	Financial		Conversion Factor	Economic	
				Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
Water Charge		2,200	capita/year	6,200 Rls.	13,640,000	0.94	5,828 Rls.	12,821,600
Total					13,640,000			12,821,600
Rounded Total					13,640,000			12,820,000

Table L-15-5 Value of Output for Implementation of Rural Water Supply in Zeras

Work Item	Spec	Q'ty	Unit	Financial		Conversion Factor	Economic	
				Unit Price	Amount (Rial)		Unit Price	Amount (Rial)
Water Charge		2,350	capita/year	6,200 Rls.	14,570,000	0.94	5,828 Rls.	13,695,800
Total					14,570,000			13,695,800
Rounded Total					14,570,000			13,700,000