ANNEX L

ECONOMIC AND FINANCIAL EVALUATION

ANNEX L

ECONOMIC AND FINANCIAL EVLUATION

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Table L-1 Estimation of Standard Conversion Factor

			Year			
Item	1374	1375	1376	1377	1378	Total
	(1995/96)	(1996/97)	(1997/98)	(1997/98)	(1998/99)	
Export Value (Oil & gus) (Mil. US\$)	15,103	19,271	15,471	9,933	16,270	
Export Value (Other) (Mil. US\$)	3,257	3,120	2,910	3,185	3,456	<u>-</u>
Oil National Rate*	(1747.5)	(1751.72)	(1752.5)	(1752.5)	(1752.5)	_
Non oil Export Rate*	(2896.7)	(3007.5)	(3007.5)	(5395.42)	(7906.88)	-
① Export Value (billion Ris.)	35,827	43,141	35,865	34,592	- 55,839	205,264
② Import Value (FOB, billion Rls.)	19,631	23,938	24,354	24,893	22,202	115,018
Import Value (FOB, Mil. US\$)	12,774	14,989	14,123	14,286	13,511	-
③ Export Duties (billion Rls.)	0	0	0	0	0	0
(4) Import Taxes (billion Rls.)	1,250	2,934	4,289	4,432	5,805	18,710
\$=0+2	55,458	67,079	60,219	59,485	78,041	320,282
6 = 6 - 3 + 4	56,708	70,013	64,508	63,917	83,846	338,992
⑦ SCF = ⑤ / ⑥	0.98	0.96	0.93	0.93	0.93	0.94

Source: "Iran Statistical Year Book 1378 (Mar. 1999 - Mar. 2000)", Statistical Center of Iran.

"Economic Trends No. 16-1st Otr, 1378", "No. 21-2nd Otr. 1379", Central Bank of Iran

Note: Export Value are converted from US\$ to Rials with applying oil national exchange rate and non oil export rate.

Import taxes comprise customs duties, commercial profit tax, and others.

Table L-2 Estimation of Shadow Exchange Rate

	Year	Oil Notional Rate ①	Non-oil Export Rate	Free Market Rate ②	SER (①+②) / 2
1374	1995/96	1747.50	2896.70	2808.00	
1375	1996/97	1,751.72	3,007.50	4,445.55	
1376	1997/98	1,752.50	3,007.50	4,781.50	
1377	1998/99	1,752.50	5,395.42	6,468.36	4,110
1378	1999/00	1,752.50	7,906.88	8,657.68	5,205
1379	2000/01 (1st Quarterly)	1,752.50	8,181.40	8,416.75	5,085
1379	2000/01 (2nd Quarterly)	1,752.50	8,164.79	8,230.58	4,992
1379	2000/01 (3rd Quarterly)	1,752.50	8,038.34	8,101.85	4,927
1380	2001/4/17	1,752.50	7,918.00	8,020.00	4,886
Ачегаде	(From 1998/99 to 2001)	1,750	7,600	7,980	4,900

Source: Central Bank of Iran

Table L-3 Trial Calculation of SER (sample)

Table L-3-1 Trial Calculation of SER

	Value (million Rls.)	Average Tariff	Weight	Average
		0	②	0x2
Import	17,900,960	57.05	0.822	46.9
Export (-)	3,872,201	0.00	0.178	0.0
Total	21,773,160		1.000	46.9

1. Official Exchange Rate (Oil national rate) =

1,750

Shadow Exchange Rate =

1,750 + 821 = ___2,571

2. Official Exchange Rate (Non-oil export rate) =

7,600

Shadow Exchange Rate =

7,600 + 3565 =

11,105

3. Average (1., 2.)

6,868

Table L-3-2 Value and Tariff Rate of Main Imports Goods

Main Items			Value (m	tillion Rls.)			Tariff (%)	Weight	Average
	1374	1375	1376	1377	1378	Average	0	2	①x②x100
Machinery and Mechanical									
appliances	4,945,839	5,454,934	6,710,064	8,410,756	6,844,491	6,473,217			
(Section 16)							80%	0.36	28.93
Vegetable products	1,853,090	2,769,637	3,091,623	1,716,277	2,632,956	2,412,717			
(Section 2)	1,855,090	2,709,037	3,091,023	1,710,277	2,032,930	2,412,717	0%	0.13	0.00
Base metal and articles	2,238,035	3,457,611	2,767,768	2,966,692	2,508,906	2,787,802	1.		
(Section 15)	2,200,000	3,437,011	2,707,700	2,900,092	2,500,900	2,767,802	15%	0.16	2.34
Vehicles, aircraft (Section 17)	825,669	1,147,710	1,653,768	2,388,589	1,539,520	1,511,051	220%	0.08	18.57
Animal and vegetable fats and oil	882,519	1,057,053	785,392	1,179,919	916,731	964,323			
(Section 3)	862,319	1,057,055	765,592	1,179,919	910,731	904,323	0%	0.05	0.00
Plastics and articles thereof	936,750	1,193,994	1,162,159	1,016,711	950,749	1,052,073			
(Section 7)	930,730	1,193,994	1,102,139	1,010,711	950,749	1,032,073	110%	0.06	6.46
Products of chemical or allied									
industries	2,634,496	2,737,395	2,752,312	2,556,883	2,817,800	2,699,777			
(Section 6)				_ ·			5%	0.15	0.75
Total	14,316,398	17,818,334	18,923,086	20,235,827	18,211,153	17,900,960			
		L					- ' [1.00	57.05

Table L-3-3 Value and Tariff Rate of Main Exports Goods

Main Items			Value (m	illion Rls.)			Tariff	Weight	Average
	1374	1375	1376	1377	1378	Average	①	2	①×②×100
Textails and textail articles (Section 11)	2,043,723	1,551,167	1,452,601	1,189,306	1,503,751	1,548,110	0%	0.40	0.00
Mineral products (Section 5)	438,251	427,367	573,833	1,029,555	1,178,850	729,571	0%	0.19	0.00
Vegetable products (Section 2)	123,300	114,373	100,233	. 103,318	125,264	113,298	0%	0.03	0.00
Base metal and articles (Section 15)	535,288	270,591	508,928	344,129	609,638	453,715	0%	0.12	0.00
Products of chemical or allied industries (Section 6)	427,066	472,281	551,240	469,296	372,352	458,447	0%	0.12	0.00
Plastics and articles thereof (Section 7)	127,351	200,071	179,226	208,170	195,941	182,152	0%	0.05	0.00
Prepared foodstuffs, beverages (Section 4)	354,174	441,180	455,801	334,162	349,227	386,909	0%	0.10	0.00
Total	4,049,153	3,477,030	3,821,862	3,677,936	4,335,023	3,872,201	_	100	0.00

Table L-3-4 Main 10 Import Goods in 1378

Order	Sections of Custom Tariffs	Chapters of Custom Tariffs	Goods	Imports Value (mil. Rials)	Custom Duties (%)	Commercial Profit Tax (%)	Remarks
1	16	84	Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	5,240,166	0~15	2~150	
2	2	10	Cereals	2,314,177	O	0	Durum wheat
3	16	85	Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles	1,604,325	0~15	5~200	
4	15	72	Iron and steel	1,551,001	$0\sim2$	5~30	
5	17	87	Vehicles other than railway or tramway rolling-stock, and parts and accessories thereof	1,247,050	0~25	20~400	
6	3	15	Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable	916,731	0	0	Soya-bean oil
7	7	39	Plastics and articles thereof	701,936	$0 \sim 15$	5~200	
8	6	29	Organic chemicals	662,174	0	5	
9	6	38	Miscellaneous chemical products	642,318	0~15	5~60	
10	15	73	Articles of iron or steel	565,378	10	5~200	

Source: "Iran Statistical Yearbook 1378 (March 1999 - March 2000)" Statistical Center of Iran

Table L-3-5 Main 10 Export Goods in 1378

Order	Sections of Custom Tariffs	Chapters of Custom Tariffs	Goods	Imports Value (mil. Rials)	Custom Duty (%)	Commercial Profit Tax (%)	Remarks
1	11	57	Carpets and other textile floor coverings	1,287,166	20	250	
2	5	27	Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	1,011,062	. 5	5~50	
3	2	08	Edible fruit and nuts; peel of citrus fruit or melons	847,289	10	170	Pistachios
4	15	72	Iron and steel	332,893	0~2	5~30	
5	6	29	Organic chemicals	172,555	. 0	5	
6	15	74	Copper and articles thereof	159,481	0~15	5~160	
7	7	39	Plastics and articles thereof	140,002	0~15	5~200	٠
8	4	19	Preparations of cereals, flower, starch or milk, pastrycooks' products	123,884	10	105	Pasta (containing eggs)
9	4	20	Preparations of vegetables, fruit, nuts or other parts of plants	118,349	10	110	Fruit (Grape, Apple)
10		25	Salt, sulphur, earths and stone, plastering materials, lime and cement	104,205	5~10	5~100	

Source: "Iran Statistical Yearbook 1378 (March 1999 - March 2000)" Statistical Center of Iran

[&]quot;Regulation of Export and Import, 1380" Institute of Trade Study and Reserch

[&]quot;Regulation of Export and Import, 1380" Institute of Trade Study and Reserch

Table L-3-6 Value of Imports and Exports, by Sections and Chapters of customs Tariffs: 1378

Sections of Custom Tariffs	Chapters of Custom Tariffs	Goods	Imports Value	Exports Value
1	01	Live animals	4,316	688
	02	Meat and edible meat offals	140,149	2,618
	03	Fish and crustaceans, molluses and other aquatic	6,230	26,876
	04	Dairy produce; birds eggs; natural honey; edible products of	65,459	37,711
=		animal origin not elsewhere specified or included		
	05	Products of animal origin, not elsewhere specified or	3,766	57,373
2	- 06	Live tree and other plants; bulbs, Roots and the like; cut	15	2,413
		flowers and ornamental foliage		
	07	Edible vegetables and certain roots and tubers	5,816	60,578
•	08	Edible fruit and nuts; peel of citrus fruit or melons	5,025	847,289
4	09	Coffee, tea, mate and spices	97,866	103,738
	10	Cereals	2,314,177	2,221
	11	Products of the milling industry; malt; starches; inulin; wheat	462	291
	12	gluten Oil seeds and oleaginous fruits; miscellaneous grains; seeds	205,214	12.010
	14	and fruit, industrial or medicinal plants; straw and fodder	205,214	12,019
	13	Lac; gums, resins and other vegetable saps and extracts	4,342	11,913
•	14	Vegetable planting materials; vegetable products not	41	10,009
·	·	elsewhere specified or included	: : :	
3	. 15	Animal or vegetable fats and oils and their cleavage	916,731	8,981
4	1.0	products: prepared edible fats: animal or vegetable waxes		46.00
4	16	Preparations of meat, of fish or of crustaceans, molluscs or	0	46,921
	17	other aquatic invertebrates Sugars and sugar confectionery	492,804	28,417
	18	Cocoa and cocoa preparations	9,547	4,78
	19	Preparations of cereals, flower, starch or milk, pastrycooks'	154	123,884
	-	products		125,00
	20	Preparations of vegetables, fruit, nuts or other parts of plants	78	118,349
	21	Miscellaneous edible preparations	7,644	10,924
	22	Beverages, spirits and vinegar	2	6,139
	23	Residues and waste from the food industries; prepared	273,893	1,345
		animal fodder		
	. 24	Tobacco and manufactured tobacco substitutes	9,973	8,462
5	25	Salt, sulphur, earths and stone, plastering materials, lime and	122,409	104,205
	26	Cross sleep and selve	116 254	63,582
	27	Ores, slag and ash	116,254	
		Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes	357,933	1,011,062
6	28	Inorganic chemicals; organic or inorganic compounds of	332,941	52,216
		precious metals; or rare- earth metals, or radioactive		
	•	elements or of isotones	N	
	29	Organic chemicals	662,174	172,555
•	30	Pharmaceutical products	495,954	10,610
4	31	Fertilizers	240,758	6,703
•	32	Tanning or dyeing extracts; tannins and their derivatives;	225,110	11,365
		dyes; pigments and other colouring matter; paints and		•
	22	varnishes: nutty and other mastics: inks	20 (73	16.64
•	33	Essential oils and resinoids, perfumery, cosmetic or toilet	38,672	16,64
	34	oreoarations Soap, organic surface active agents, washing preparations,	62,939	52,860
	- -	lubricating preparations, artificial waxes, prepared waxes,	02,000	
		polishing or scouring preparations, candles and similar		
•		articles, modelling pastes, dental waxes and dental	*	
	_	preparations with a basine of plaster		
•	35	Albuminoidal substances; modified starches, glues, enzymes	30,542	8,894
	36	Explosives; pyrotechnic products; matches; pyrophoric	0	(
•		allovs: certain combustible preparations	· 	
	37	Photographic or cinematographic goods	86,393	43

Table L-3-6 Value of Imports and Exports, by Sections and Chapters of customs Tariffs: 1378

Sections of	Chapters of	Goods	Imports	Exports
Custom Tariffs	Custom Tariffs		Value	Value
	38	Miscellaneous chemical products	642,318	40,466
7	39	Plastics and articles thereof	701,936	140,002
	40	Rubber and articles thereof	248,813	55,939
8	41	Raw hides and skins (other than furskins) and leather	1,220	97,438
	42	Articles of leather; saddlery and harness; travel goods,	159	2,216
		handbags and similar containers, articles of animal gut (other		
	43	than silk-worm out Furskins and artificial fur; manufactures thereof	8	3
9	44	Wood and articles of wood; wood charcoal	61,007	7,313
, ,	45	Cork and articles of cork	524	7,313
	4			
	46	Manufactures of straw, of esparto or of other plaiting materials: basketware and wickerwork	39	3,028
10	47	Pulp of wood or of other fibrous cellulosic material;	45,652	1,424
		recovered (waste and scrap) paper or paperboard		
	48	Paper and paperboard; articles of paper pulp, of paper or of	512,238	5,664
		paperboard		500
	49	Printed books, newspapers; pictures and other products of	23,500	792
11	50	the printing industry; manuscripts, typescripts and plans Silk	146	213
	51	Wool, fine or coarse animal hair; horsehair yarn and woven	55,159	21,148
4	51	fabrics of paper varn	33,139	21,140
4	52	Cotton	25,245	26,151
	53	Other vegetable textaile fibres; paper yarn and woven fabrics	76,127	21
		of paper varn		
	54	Man-made filaments	176,578	6,923
	55	Man-maid staple fibres	349,767	8,556
	56	Wadding, felt and nonwovens; special yarns; twine, cordage,	7,416	2,868
		ropes and cables and articles thereof		
	57	Carpets and other textile floor coverings	228	1,287,166
	58	Special woven fabrics; tufted textile fabrics; lace; tapestries;	. 920	15,496
	59	trimmings: embroiderv Impregnated, coated, covered or laminated textile fabrics of	154,838	873
		a kind suitable for industrial use	154,050	075
	60	Knitted or crocheted fabrics	1,454	168
	61	Articles of apparel and clothing accessories, knitted or	29	71,690
	62	Articles of apparel and clothing accessories, not knitted or	4	43,493
		crocheted		•
*	63	Other made up textile articles; sets; worn clothing and worn	1,679	18,984
	- 1	textile article: raps		
12	. 64	Footwear, gaiters and the like, parts of such articles	271	74,915
	65	Headgear and parts thereof	2	918
	66	Umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips,	64	4
	67	riding-crops and parts thereof Prepares feathers and down and articles made of feathers or	0	15
		of down: articles flowers; articles of human hair	v	13
13	68	Articles of stone, plaster, cement, asbestos, mica or similar	32,112	33,525
		materials	•	
	69	Ceramic products	64,465	40,792
	70	Glass and glassware	111,922	19,602
14	71	natural or cultural pearls, precious or semi-precious stones,	111,002	11,035
		precious metals, metals clad with precious metal and articles		
	70	thereof: imitation iewellery: coin	1.661.001	AAA AAA
15	72	Iron and steel	1,551,001	332,893
	73	Articles of iron or steel	565,378	52,215
	74	Copper and articles thereof	22,547	159,481
	75	Nickel and articles thereof	21,197	. 0
	76	Aluminium and articles thereof	146,446	51,805

Table L-3-6 Value of Imports and Exports, by Sections and Chapters of customs Tariffs: 1378

(mil. Rials) Sections of Chapters of Goods Imports Exports Custom Tariffs Custom Tariffs Value Value 1,953 105 78 Lead and articles thereof 79 Zine and articles thereof 18,288 4,715 80 Tin and articles thereof 6,974 0 81 Other base materials; cements; articles thereof 12,410 82 121,645 1,453 Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal 41,067 6,969 83 Miscellaneous articles pf base metal 16 84 Nuclear reactors, boilers, machinery and mechanical 5,240,166 41,845 appliances; parts thereof 85 Electrical machinery and equipment and parts thereof; sound 1,604,325 20,260 recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of su-17 86 5,631 168,803 Railway or tramway locomotives, rolling-stock and parts thereof; railway or tramway track fixtures and fittings and parts thereof; mechanical (including electro-mechanical) traffic signalling equipment of all kinds 88,698 87 Vehicles other than railway or tramway rolling-stock, and 1,247,050 parts and accessories thereof 88 96,974 Aircraft, spacecraft, and parts thereof 89 Ships, boats and floating structures 26,693 38 18 90 6,739 Optical, photographic, cinematographic, measuring, 481,834 checking, precision, medical or surgical instruments and annaratus; parts and accessories thereof 1,087 91 Clock and watches and parts thereof 11,085 92 Musical instruments; parts and accessories of such articles 320 0 19 93 Arms and ammunition; parts and accessories thereof 0 20 94 27,121 Furniture; bedding, mattresses, mattress supports, cushions 2,322 and similar stuffed furnishings, lamps and lighting fittings, not elsewhere specified or included; illuminated signs, illuminated namenlates and like: prefabricated buildings 95 4,553 Toys, games and sports requisites; parts and accessories 735 96 Miscellaneous manufactured articles 29,594 2,873 Works of art, collections' pieces and antiques 195 Not specified and not stated 40,336 7,948 22,201,765 5,900,225

Source: "Iran Statistical Yearbook 1378 (March 1999 - March 2000)" Statistical Center of Iran

Table L-4 Price Trend of Islamic Republic of Iran (1369-1378)

Table L-4-1 Consumer Price Index in Iran (1376=100)

			Food,	Clothing &	Housing,	Household	Transportation &	Medical	Recreation,	Miscellaneous
	Period	General	Beverages & Tobacco	Footwear	Water, Fuel & Power	Furnishings & Operation	Communication	Care	Reading & Education	Goods & Services
1369	1990/91	18.6	17.6	20.5	20.4	24.6	18.2	10.9	19.1	18.1
1370		22.4	21.9	23.0	24.4	26.2	24.4	14.2	20.6	20.9
137	1992/93	27.9	29.2	25.2	30.7	29.4	29.8	22.0	23.1	23.8
1372	1993/94	34.3	34.7	29.2	36.5	35.6	34.2	31.4	30.2	32.6
1373	3 1994/95	46.3	47.6	40.6	44.0	50.7	52.1	44.2	44.8	47.1
137	1995/96	69.2	76.3	65.6	56.8	78.6	75.4	58.7	72.6	69.2
137.	1996/97	85.2	87.8	88.4	76.7	93.0	87.7	78.9	91.3	91.3
1370	1997/98	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
137	1998/99	115.6	124.5	105.3	120.8	106.8	114.7	122.2	107.1	113.5
137	1999/2000	131.0	152.7	112.1	143.4	128	146.0	152.0	126.9	137.5

Source: Economic Reserch department, Central Bank of Iran

Table L-4-2 Producer Price Index in Iran (1376=100)

	Period	General	Agriculture, Animal Husbandly & Forestry	Fhishary	Mining & Quarrying	Manufacturing	Electricity, Gas & Water Supply	Rearing of Motor Vehicles	Hotels & Restaurants	Transport, Storage & Communications
1369	1990/91	18.0	18.6	· ·· -	16.7	16.8	8.8	-	15.1	14.1
1370	1991/92	22.1	22.9	-	27.0	21.0	11.0	·	19.3	18.6
1371.	1992/93	28.2	29.2	-	34.9	26.8	19.0	·	26.0	24.7
1372	1993/94	34.9	35.8	<u>-</u>	36.9	33.7	24.6	-	33.7	32.2
1373	1994/95	46.4	46.9	· - · ·	41.3	46.3	45.4		44.6	45.5
1374	1995/96	68.5	74.1	··· <u>-</u> ,	65.8	69.8	55.9	-	64.9	65.8
1375	1996/97	86.5	87.8	-	90.0	90.1	66.9	-	84.9	84.2
1376	1997/98	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1377	1998/99	118.7	122.6	128.0	122.8	117.0	131.4	121.1	125.7	115.3
1378	1999/2000	145.9	152.7	152.5	130.5	145.7	166.8	146.9	156.7	138.1

Source: Economic Reserch department, Central Bank of Iran

Table L-4-3 Producer Price Index in Iran (Continued) (1376=100)

					Major Gro	ups		Agriculture,		
	Period	General	1	Real Estate, rending & Business Activities	Education	Health and Social Work	Other Community, Social & Personal	Animal Husbandly & Forestry & Fishary	Industries and Mines	Services
1369	1990/91	18.0	60.2	20.6	15.5	10.3	-	18.6	16.4	20.8
1370	1991/92	22.1	61.9	24.4	19.8	14.3	+ -	22.9	20.5	24.6
1371	1992/93	28.2	69.0	30.3	28.2	20.4	-	29.2	26.4	30.8
1372	1993/94	34.9	77.0	36.4	41.2	27.5	-	35.8	33.3	37.6
1373	1994/95	46.4	77.4	44.4	58.1	38.0	-	46.9	46.2	46.3
1374	1995/96	68.5	99.2	56.8	74.1	53.5	· -	74.1	69.1	61.6
1375	1996/97	86.5	99.6	76.5	94.5	76.1	-	87.8	89.0	80.0
1376	1997/98	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1377	1998/99	118.7	100.2	119.3	110.4	122.7	118.0	122.7	117.7	117.2
1378	1999/2000	145.9	120.1	139.2	132.0	153.6	141.8	152.7	146.2	139.7

Source: Economic Reserch department, Central Bank of Iran

Table L-4-4 Wholesale Price Index in Iran (1376=100)

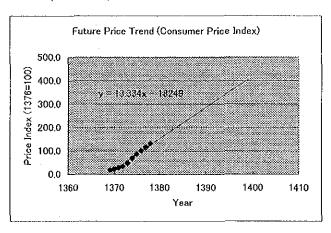
			· N	lajor Groups				Selecte	ed Main Group	s		
F	Period	General	Domestical Consumed Goods	Imported Goods	Exported Goods	Food	Beverages & Tabacco	Non-fuel Industrial Materials	Fossil, Fuel Derivatives	Chemical Pertochemical Products	Industrial Products Raw Materials	Machinery Vehicles
1369	1990/91	15.1	15.5	13.4	21.3	18.8	19.7	20.4	12.9	9.9	16.7	10.4
1370	1991/92	19.1	19.6	16.2	32.5	22.2	23.7	25.7	18.4	12.1	20.8	13.5
1371	1992/93	25.5	26.5	22.5	34.7	27.8	26.7	30.5	23.5	18.6	27.8	20.9
1372	1993/94	31.9	33.6	28.7	37.0	32.8	36.5	36.8	31.3	37.3	33.6	27.6
1373	1994/95	45.4	46.9	42.2	52.8	44.9	51.3	59.3	46.2	53.4	38.0	39.6
1374	1995/96	72.7	72.0	72.5	81.6	74.6	73.3	90.4	61.9	72.1	75.3	66.4
1375	1996/97	91.0	89.1	93.6	92.8	86.8	89.3	100.7	83.1	87.7	100.0	85.5
1376	1997/98	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1377	1998/99	119.7	118.7	110.0	121.9	126.4	118.6	113.0	139.5	114.4	106.5	112.7
1378	1999/2000	144.9	145.8	134.2	195.9	155.4	150.6	134.5	216.8	148.6	131.4	135.9

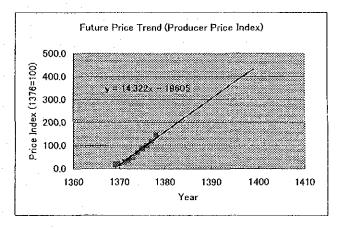
Source: Economic Reserch department, Central Bank of Iran

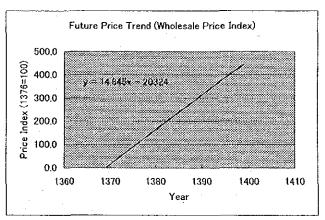
Table L-5 Estimation of Future Price Trend of Islamic Republic of Iran (1990 - 2020)

Price Index in Iran (1376=100)

	Pc	riod	Consumer Price	Producer Price	Wholesale Price
ļ	·	· · · · · · · · · · · · · · · · · · ·	Index	Index	Index
	1369	1990/91	18.6	18.0	15.1
	1370	1991/92	22.4	22.1	19.1
	1371	1992/93	27.9	28.2	25.5
	1372	1993/94	34.3	34.9	31.9
	1373	1994/95	46.3	46.4	45.4
	1374	1995/96	69.2	68.5	72.7
	1375	1996/97	85.2	86.5	91.0
	1376	1997/98	100.0	100.0	100.0
	1377	1998/99	115.6	118.7	119.7
	1378	1999/00	131.0	145.9	144.9
	1379	2000/01	138.6	145.0	147.3
	1380	2001/02	151.9	159.4	162.1
	1381	2002/03	165.3	173.7	176.9
	1382	2003/04	178.6	188.0	191.8
	1383	2004/05	191.9	202.3	206.6
	1384	2005/06	205.3	216.6	221.5
	1385	2006/07	218.6	231.0	236.3
	1386	2007/08	231.9	245.3	251.2
	1387	2008/09	245.3	259.6	266.0
	1388	2009/10	258.6	273.9	280.9
	1389	2010/11	271.9	288.3	295.7
	1390	2011/12	285.3	302.6	310.5
	1391	2012/13	298.6	316.9	325.4
	1392	2013/14	311.9	331.2	340.2
	1393	2014/15	325.3	345.5	355.1
	1394	2015/16	338.6	359.9	369.9
ļ	1395	2016/17	351.9	374.2	384.8
	1396	2017/18	365.3	388.5	399.6
	1397	2018/19	378.6	402.8	414.5
	1398	2019/20	391.9	417.2	429.3
	1399	2020/21	405.3	431.5	444.2







Note: Original data of price index from 1369 to 1378 (1376=100), Economic Reserch Department, Central Bank of Iran is used in this anal Data from 1379 to 1399 are estimated by regression analysis.

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Table L-6 Bank Profit Rates of Islamic Republic of Iran

(% per annum)

	_		Term-inve	stment Dep	osit Rates			Expected Rat	e of Profit on Fa	cilities	
	Year	Short-term	One-year	Two-year	Three- year	Five-year	Manufacturing & Mining	Construction & Housing	Agriculture	Trade & services	Export *
1375	1996/97	8	. 14	15	16	18.5	17-19	15-16	13-16	22-25	18
1376	1997/98	8	14	15	16	18.5	17-19	15-16	13-16	22-25	18
1377	1998/99	8	14	15	16	18.5	17-19	15-16	13-16	22-25	: 18
1378	1999/00	8	14	15	16	18.5	17-19	15-16	13-16	22-25	. 18.
1379	2000/01 (Provisional)	8	14	15	16	18.5	17-19	15-16	13-16	22-25	18

Source: Central Bank of Iran

^{*} The Expected profit rate on export facilities is the minimum profit rate for services sector. However, the government pays 4 percent to bank as subsidy.

Table L-7 Unemployment Rate in Master Plan Study Area: Based on 1996 Census

140101	T	I I	11111	ISICE E AND	I Silidy Alea:	Danca or	Popuration 10	T	r	Unappolated	
Sub-Basin	Province	Township	District	Rural	Village	Total	years of age	Active	Number of	(seeking	Unemployment
July-Dusin	Hovince	TOWNSHIP	District	District	7,111-65	Population	and over	Population	Empoyed	work)	Rate (%)
K4-1-9	Chaharmahal	Boroujen	Gandoman	Gandonian	Vastigan	765	553	283	280	3	1
	va Bakhtiyari				Nasir abad	509	363	174	171	3	2
					Konrak-up	1,008	709	370	366	4	1
			·		Konrak-down	324	240	100	100	-	-
					Morchegan	971	716	370	367	- 3	1
		7	otal			3,577	2,581	1,297	1,284	13	1
K5-19a	Chaharmahal	Farsan	Bazoft	Bazoft	Upper Taberak	230	147	58	-58	-	-
	va Bakhtiyari				Lower Taberak	364	242	94	91	. 3	3
					Cham ghaleh bala	464	294	140	130	10	7
			·		Artak	159	106	36	34	. 2	6
	 	T	`otal	:		1,217	789	328	313	15	5
K7-0-19-1	Esfahan	Semiron	Padena	Upper	Noor abad	200	137	50	37	13	. 26
				Padena	Sar baze	. 212	147	50	43	7	14
					Kahan Gon	659	469	160	156	4	3
				i	Dehe bozorg	203	135	39	39	-	-
				1	Tale Mohammad	336	229	78	ł .	4	5
		1	otal			1,610		377	349	. 28	7
K7-48	Kohgiluyeh va	Yasuj	Central	Tangsorkh	Tange surkh	484	378	128	109	19	15
	Boyerahmad				Deh toil	** -	-	- '	-	-	-
					Cheshmeh chenar	-	-		-	-	-
				·	Hassan abad	66	1	20		1	5
					Islam abad	57	44	- 18		3	: 17
- :		7	`otal			607	469	166	143	23	14
				Donbaleh		70		,,	۱ ,		
K8-28	Khuzestan	Izeh	Deh dez	rode	Zeras	72	53 18	14	14		
					Bardkol	27	18		4	j , -	-
			. :		Ghalansark bala		ı .	no in I	habitant I	1	ı
					She belitak	13	10	,	,	-	-
				٠.	Sarguf	299	192	1 48	47	,	
					Lir siiah	498	344			1	4
					Dareh zang Gerdlidan	155				1	ار ار
					Chamzark	155	l 34	,	l 21 habitant	i . 1	1
					Dehno	133	78				
		·	1.4		Bade lon	167	115				
				Dehdez	Cham mold	46		12			-
				20000	Ab surakh	235		1		4	10
	L	Т	otal	<u> </u>		1,645	1,080	325	318	7	2
			d Total	-		8,656	6,036	2,493	2,407	86	3
		Gian	u IVIAI			0,050	0,000	L., 2,773	1 2,407	00	ــــــــــــــــــــــــــــــــــــــ

Source: Rural Reserch Center

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

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
			***************************************	1,162,077,84
1. Preparatory Works (10% of Item2)	, <u>, , , , , , , , , , , , , , , , , , </u>		ر ۋۇدۇشتۇنىغۇ ۋېروسلىر چىستونىد ئىستۇنىتىلىنىسانىلىدىن. قارىۋالىدانىد	105,643,44
2. Civil Works		1d 8-i-8-18		1,056,434,40
a.Excavation				53,371,40
-Gravel,Soil		cu m	7,000	19,635,00
-Weathered Rock	•	3 cu m	19,300	33,736,40
-Rock b.Concrete		cu m	24,900	696,077,20
-Plain Concrete		3 cu m	109,200	155,937,60
-Rubble Concrete		3 cu m	81,900	475,675,20
-Wet Masonry	1,77	l sq m	36,400	64,464,40
c.Free Drainning Backfil		cu m	30,700	
d.Boulder Riprap	634	1 cu m	15,600	9,890,40
e.Concrete Block f.Gabion	158	cum 2 cum	120,000 76,500	121,023,00
g.Embankment	100	cu m	25,000	121,020,00
h.Miscellaneous		l.s.	20,000	176,072,40
(20% of a to g)				
Administration Cost			·	58,103,89
(5% of Total of Item I)				00,100,00
F				116 907 70
Engineering Cost (10% of Item I)			······································	116,207,78
	10 m			002 022 0
Physical Contingency (20% of I + II + III)				267,277,90
				· · · · · · · · · · · · · · · · · · ·
. Total(I + II + III + IV)				1,603,667,41
. Total(I + II + III + IV) Rounded Total				
. Total(【+【+【###\V) Rounded Total	Vacta	σan T1	Main check dar	1,603,667,41 1,603,700,00
	Vaste Quantity	gan T1 Unit	Main check dar Unit Cost	1,603,700,00
Rounded Total				1,603,700,00 n
Rounded Total Work Item			Unit Cost	1,603,700,00 n Amount (Rial)
Rounded Total Work Item	Quantity		Unit Cost	1,603,700,00 n Amount (Rial) 271,594,44
Rounded Total Work Item Construction Base Cost	Quantity		Unit Cost	1,603,700,00 n Amount (Rial) 271,594,44
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2)	Quantity		Unit Cost	1,603,700,00 n Amount (Rial) 271,594,44 24,690,44
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works	Quantity		Unit Cost	1,603,700,00 n Amount (Rial) 271,594,44 246,904,00
Rounded Total Work Item Construction Base Cost 1. Preparatory Works (10% of Item2)	Quantity		Unit Cost	1,603,700,00 Amount (Rial) 271,594,44 24,690,40 246,904,00 8,470,00
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	Quantity	Unit	7,000 19,300	1,603,700,00 Amount (Rial) 271,594,44 24,690,40 246,904,00 8,470,00
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	Quantity	Unit	Unit Cost (Rial)	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 246,904,00 8,470,00 8,470,00
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	Quantity	Unit O cu m cu m cu m	7,000 19,300 24,900	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 246,904,00 8,470,00 8,470,00
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	Quantity 1,210	O cu m cu m cu m	7,000 19,300 24,900	1,603,700,00 n Amount (Rial) 271,594,48 24,690,40 246,904,08 8,470,00 8,470,00 122,859,10 75,020,40
Rounded Total Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete	1,210 68' 32'	O cu m cu m cu m	7,000 19,300 24,900 109,200 81,900	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 8,470,00 8,470,00 122,859,10 75,020,44 26,617,50
Rounded Total Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	1,210 68' 32'	O cu m cu m cu m	7,000 19,300 24,900	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 8,470,00 8,470,00 122,859,10 75,020,40 26,617,50 21,221,20
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	1,210 68 321 583	O cu m cu m cu m cu m 5 cu m 3 sq m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	1,603,700,00 n Amount (Rial) 271,594,48 24,690,40 246,904,08 8,470,00 8,470,00
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	1,210 68 321 583 323	O cu m cu m cu m 5 cu m 6 cu m 7 cu m 7 cu m 8 sq m cu m 8 cu m 6 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	1,603,700,00 n Amount (Rial) 271,594,48 24,690,40 246,904,00 8,470,00 8,470,00 122,859,10 75,020,40 26,617,50 21,221,20 5,038,80
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	1,210 68 321 583 323	O cu m cu m cu m 5 cu m 6 cu m 7 cu m 7 cu m 7 cu m 8 sq m cu m 9 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 246,904,00 8,470,00 8,470,00 122,859,10 75,020,40 26,617,50 21,221,20 5,038,80
Rounded Total Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	1,210 68 321 583 323	O cu m cu m cu m 5 cu m 6 cu m 7 cu m 7 cu m 8 sq m cu m 8 cu m 6 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	1,603,700,00 n Amount (Rial) 271,594,4 24,690,4 246,904,0 8,470,00 8,470,00 122,859,1 75,020,4 26,617,5 21,221,2 5,038,8 69,385,5
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	1,210 68 321 583 323	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 Amount (Rial) 271,594,46 24,690,40 246,904,00 8,470,00 8,470,00 122,859,10 75,020,40 26,617,50 21,221,20
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	1,210 68 321 583 323	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,48 24,690,40 8,470,00 8,470,00 122,859,10 75,020,44 26,617,56 21,221,20 5,038,86
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	68 32: 58: 32:	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,4 24,690,4 246,904,0 8,470,0 8,470,0 122,859,1 75,020,4 26,617,5 21,221,2 5,038,8 69,385,5 41,150,6
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	1,210 68 321 583 323	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,4 24,690,4 246,904,0 8,470,0 8,470,0 122,859,1 75,020,4 26,617,5 21,221,2 5,038,8 69,385,5 41,150,6
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	68 32: 58: 32:	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 8,470,00 8,470,00 122,859,10 75,020,44 26,617,50 21,221,20 5,038,80 69,385,50 41,150,60
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	68 32: 58: 32:	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 8,470,00 8,470,00 122,859,10 75,020,44 26,617,50 21,221,20 5,038,80 69,385,50 41,150,60
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	68 32: 58: 32:	O cu m cu m cu m 5 cu m 6 cu m 6 cu m 7 cu m 7 cu m 7 cu m 7 cu m 8 cu m 9 cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	1,603,700,00 n Amount (Rial) 271,594,44 24,690,40 8,470,00 8,470,00 122,859,10 75,020,44 26,617,50 21,221,20 5,038,80 69,385,50 41,150,60

Minimum in the Columnia and a supply of the contract of the co	Vastegan T2	Main check dam	•
Work Item	Quantity Unit	Unit Cost	Amount
		(Rial)	(Rial)
I. Construction Base Cost -	edd a daella gyri, yywy y y rangai dy gdyd a bad enaine y gyrran a raid in ydd ain yr y daell endir a dael	والمراجعة والمعاونة والمراجعة والمراجعة والمراجعة والمراجعة والمراجعة والمراجعة والمراجعة والمراجعة والمراجعة	400,133,712
1. Preparatory Works	etter et anne absolute avenue et en thomas har et en en en en en en		36,375,792
(10% of Item2)			
2. Civil Works	end dele de la <u>companye e especial</u> despecial elega y jestem de externe establisha de enconserva de establisha de 	trong to trade to recover the title to the time to	363,757,920
a.Excavation ————————————————————————————————————	1,427 cu m	7,000	9,989,000 9,989,000
-Weathered Rock	cu m	19,300	0
-Rock	cu m	24,900	. 0
b.Concrete	953 cu m	109,200	150,204,600 104,067,600
-Rubble Concrete	242 cu m	81,900	19,819,800
-Wet Masonry	723 sq m	36,400	26,317,200
c.Free Drainning Backfil	cu m	30,700	0
d.Boulder Riprap e.Concrete Block	375 cu m	15,600 120,000	5,850,000
f.Gabion	1792 cu m	76,500	137,088,000
g.Embankment	cu m	25,000	0
h. Miscellaneous	1.s.		60,626,320
(20% of a to g)			•
II. Administration Cost			20,006,686
(5% of Total of Item I)		•	
III Engineering Cost			40,013,371
(10% of ltem 1)			
IV. Physical Contingency ————	· · · · · · · · · · · · · · · · · · ·		92,030,754
(20% of I+II+III)			
Work Item	Vastegan T3 Quantity Unit	Main check dam Unit Cost	Amount
		(Rial)	(Rial)
the contract of the contract o	•		(r tidry
I. Construction Base Cost -			289,894,176
1. Preparatory Works			
1. Preparatory Works (10% of Item2)			289,894,176
Preparatory Works (10% of Item2) Civil Works			289,894,176 26,354,016 263,540,160
Preparatory Works (10% of Item2) Civil Works a.Excavation	974 cu m		289,894,176 26,354,016 263,540,160 6,818,000
Preparatory Works (10% of Item2) Civil Works	974 cu m	7,000 19,300	289,894,176 26,354,016 263,540,160
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock		7,000	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete	cu m	7,000 19,300 24,900	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock	cu m cu m	7,000 19,300 24,900	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 0 108,745,000 73,928,400
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	cu m	7,000 19,300 24,900 109,200 81,900 36,400	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	677 cu m 178 cu m 556 sq m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	677 cu m 178 cu m 556 sq m cu m 148 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000 43,923,360
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I)	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000 43,923,360
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I)	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000 0 43,923,360
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I) III. Engineering Cost (10% of Item I)	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000 0 43,923,360
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I) III. Engineering Cost (10% of Item I)	cu m cu m 677 cu m 178 cu m 556 sq m cu m 148 cu m cu m 1330 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	289,894,176 26,354,016 263,540,160 6,818,000 6,818,000 0 108,745,000 73,928,400 14,578,200 20,238,400 0 2,308,800 0 101,745,000 0 43,923,360 14,494,709 28,989,418

Vastegan Check Dam Total

. Construction Base Cost	Quantity	Unit	Unit Cost	Amount
			(Rial)	(Rial)
			.,,,,,,	2,123,700,21
1. Preparatory Works	······································			193,063,65
(10% of Item2)				
2. Civil Works				1 000 606 56
11 01115			A contract of the contract of	1,930,636,56
-Gravel,Soil	and the second second	cu m	7,000	78,648,40 44,912,00
-Weathered Rock		cu m	19,300	
-Rock	1,740		•	33,736,40
b.Concrete		cu m	24,900	1 077 995 07
-Plain Concrete	3 7/15	cu m	100.200	1,077,885,90
-Rubble Concrete		cu m	109,200	408,954,00
-Wet Masonry	•	sq m	81,900	536,690,70
c Free Drainning Backfil	3,033		36,400	132,241,20
d.Boulder Riprap	1.400	cu m	30,700	02.000.00
e.Concrete Block	1,480	cu m	15,600	23,088,00
f.Gabion		cu m	120,000	
	5011	cu m	76,500	429,241,50
g.Embankment		cu m	25,000	
h Miscellaneous		l.s.		321,772,76
(20% of a to g)				
. Administration Cost				106 195 01
(5% of Total of Item I)		- '		106,185,01
(5)0 Of Total Of Reff(1)				
. Engineering Cost				212,370,02
(10% of Item 1)	•			
And the second of the second o				
·	***************************************	*******************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	488,451,05
(20% of I + II + III)				
. Total(I+II+III+IV)				2,930,706,29
Rounded Total				
TOURISM TOTAL	Vesteres Dis.	T		2,930,700,00
	Vastegan Rive	ы ширг	ovement	
Work Item	Quantity	Unit	Unit Cost	Amount
·	A Committee of the Comm		(Rial)	(Rial)
Construction Base Cost				3,754,106,40
1. Preparatory Works	**************************************	**************************************		341,282,40
(10% of Item2)	and the second			
2. Civil Works				
E. CIVII WOLKS				2 412 924 00
2 Everyation				
a.Excavation	70.100			174,020,00
-Gravel, Soil	79,100		2,200	174,020,00
-Gravel, Soil -Weathered Rock	79,100	cu m	19,300	174,020,00
-Gravel, Soil -Weathered Rock -Rock				174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete		cu m	19,300 24,900	174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete		cu m	19,300	174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete		cu m cu m	19,300 24,900	174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete		cu m cu m	19,300 24,900 109,200	174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete		cu m cu m cu m	19,300 24,900 109,200 81,900	174,020,00
-Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry		cu m cu m cu m cu m sq m	19,300 24,900 109,200 81,900 36,400	174,020,00
-Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil		cu m cu m cu m cu m sq m cu m	19,300 24,900 109,200 81,900 36,400 30,700 15,600	174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap		cu m	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block		cu m	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	174,020,00 174,020,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Draining Backfil d. Boulder Riprap e. Concrete Block f. Gabion		cu m cu m cu m cu m sq m cu m cu m cu m cu m cu m cu m	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 2,550,000,00
-Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment		cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	174,020,00 174,020,00 2,550,000,00 120,000,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge		cu m cu m cu m cu m sq m cu m cu m cu m cu m cu m cu m	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 2,550,000,00 120,000,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g)		cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 2,550,000,00 120,000,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Draining Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	2,550,000,00 120,000,00 568,804,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	2,550,000,00 120,000,00 568,804,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	2,550,000,00 120,000,00 120,000,00 568,804,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	2,550,000,00 120,000,00 120,000,00 568,804,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 2,550,000,00 120,000,00 568,804,00
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 174,020,00 2,550,000,00 120,000,00 568,804,00 187,705,32 375,410,64
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 174,020,00 2,550,000,00 120,000,00 568,804,00 187,705,32 375,410,64
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	174,020,00 174,020,00 174,020,00 2,550,000,00 120,000,00 568,804,00 187,705,32 375,410,64
-Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Bridge i. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	102,000 1	cu m cu m cu m sq m cu	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	3,412,824,00 174,020,00 174,020,00 174,020,00 120,000,00 568,804,00 187,705,32 375,410,64 863,444,47

Vastegan Channel Work

Work Item	Quantity	Unit	Unit Cost (Rial)	ta min pian kanalan kanal dina an	Amount (Rial)
. Construction Base Cost		***************************************		••••••	4,740,687,60
1. Preparatory Works	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				430,971,60
(10% of Item2)					,,
				*	
Z. CIVIL WOLKS			PITIPELIERIM		4,309,716,0
a.Excavation					917,000,0
-Gravel,Soil	131,000	cu m	7,0	00	917,000,0
-Weathered Rock		cu m	19,3	00	
-Rock		cu m	24,9	00	
b.Concrete					1,399,580,0
-Plain Concrete	2.200	cu m	109,2	200	240,240,0
-Rubble Concrete	11,800		81,9		966,420,0
Wet Masonry	•	sq m	36,4		192,920,0
c.Free Drainning Backfil	. 5,500	_	· ·		192,920,0
	0.000	eu m	30,7		104.000.0
d.Boulder Riprap	8,000	cu m	15,6		124,800,0
e.Concrete Block		cu m	120,0		
f.Gabion		cu m	76,5		512,550,0
g.Embankment	25,500	cu m	25,0		637,500,0
h.Miscellaneous		l.s.			718,286,0
(20% of a to g)	A Company				
. Administration Cost	***************************************	************		**********	237,034,3
(5% of Total of Item I)					
. Engineering Cost				· •••••••	474,068,7
(10% of Item 1)				1	
					•
, 111,010th womangone)			······································	/1*****	1,090,358,1
(20% of I+II+III)	•		1.0	•	
Rounded Total	Vastegan Chec			,	
Rounded Total Work Item			(P.P.) Unit Cost (Rial)		6,542,100,0 Amount (Rial)
			Unit Cost		Amount
Work Item			Unit Cost		Amount (Rial)
Work Item Construction Base Cost		Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0
Work Item Construction Base Cost	Quantity	Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0
Work Item Construction Base Cost Preparatory Works	Quantity	Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works	Quantity	Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0 35,730,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works	Quantity	Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0 35,730,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation	Quantity	Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel, Soil	Quantity	Unit	Unit Cost (Rial)		Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a Excavation -Gravel, Soil -Weathered Rock	Quantity	Unit	Unit Cost (Rial)	00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a Excavation -Gravel, Soil -Weathered Rock -Rock	Quantity	Unit	Unit Cost (Rial)	00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	Quantity	Unit cu m cu m cu m	Unit Cost (Rial) 7,0 19,3 24,5	00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	Quantity	Unit cu m cu m cu m	Unit Cost (Rial) 7,0 19,3 24,5	00 00 	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a Excavation Gravel, Soil Weathered Rock Rock b. Concrete Plain Concrete Rubble Concrete	Quantity	cu m cu m cu m cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9	00 00 00 00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	Quantity	Cu m cu m cu m cu m cu m	7,0 19,3 24,5 109,2 81,9 36,4	00 00 00 00 00 00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	Quantity	cu m	7,0 (19,3 24,5 109,2 81,9 36,4 30,7	00 00 00 00 00 00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	Quantity	Cu m cu m cu m cu m cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6	600 600 600 600 600 600	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	Quantity	cu m	7,0 (19,3 24,5 109,2 81,9 36,4 30,7	600 600 600 600 600 600	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6	000 000 000 000 000 000 000	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,0 35,730,0 357,300,0 14,700,0 14,700,0 283,050,0 59,550,0
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel, Soil -Weathered Rock -Rock b. Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c. Free Drainning Backfil d. Boulder Riprap e. Concrete Block f. Gabion g. Embankment h. Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	
Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	Quantity 2,100	cu m	Unit Cost (Rial) 7,0 19,3 24,5 109,2 81,9 36,4 30,7 15,6 120,0 76,5	.00 .00 .00 .00 .00 .00 .00 .00 .00	Amount (Rial) 393,030,00 35,730,00 14,700,00 14,700,00 14,700,00 59,550,00

Table L-8-1-2 Disaster Prevention Facility for Chaman-Goli Bazoft

	Work Item	Quantity		Unit Cost (Rial)	Amount (Rial)
Ι.					138,500,340
	1. Preparatory Works			***************************************	12,590,94
	(10% of Item2)				12,000,01
	2. Civil Works				100 000 400
	a.Excavation			na dia mandra di Baranda anno anno anno anno anno anno anno	125,909,40
					4,564,00
	-Gravel, Soil	657	2 cu m	7,000	4,564,00
	-Weathered Rock	•	cu m	19,300	
	-Rock b.Concrete		cu m	24,900	60,469,50
	-Plain Concrete		2 cu m	109,200	36,254,40
	-Rubble Concrete		l cu m	81,900	13,185,90
	-Wet Masonry		3 sq m	36,400	11,029,20
	c.Free Drainning Backfil	30.	cu m	30,700	11,023,20
	d.Boulder Riprap	110	ou m	15,600	1,794,000
	e.Concrete Block		cu m	120,000	1,104,000
	f.Gabion	405	3 cu m	76,500	38,097,000
	g.Embankment	4.50	cu m	25,000	98,001,000
	h.Miscellaneous		l.s.	20,000	20,984,900
	(20% of a to g)		1.5.		20,001,000
	(2070 Of a to g)				
Ι.	Administration Cost			*************************************	6,925,011
	(5% of Total of Item I)				
IT .	Engineering Cost				12 050 02/
Щ	Engineering Cost (10% of Item I)	······································	***************************************		. 13,850,034
	(10% of item 1)		4.		
٧.	Physical Contingency				31,855,078
	(20% of I + II + III)				
			 		
٧.	Total(I + II + III + IV)		•		191,130,469
	Rounded Total				191,100,000
				•	
			oft T2	Main check dam	
	Work Item	Bazo Quantity	oft T2 Unit	Unit Cost	Amount
	Work Item		صندف و الرابع و		
		Quantity	Unit	Unit Cost	Amount (Rial)
I	Construction Base Cost		Unit	Unit Cost	Amount (Rial) 1,505,623,28
I .	Construction Base Cost	Quantity	Unit	Unit Cost	Amount
	Construction Base Cost 1. Preparatory Works (10% of Item2)	Quantity	Unit	Unit Cost	Amount (Rial) 1,505,623,28
I .	Construction Base Cost	Quantity	Unit	Unit Cost	Amount (Rial) 1,505,623,28
I .	Construction Base Cost 1. Preparatory Works (10% of Item2)	Quantity	Unit	Unit Gost (Rial)	Amount (Rial) 1,505,623,284 136,874,844
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works	Quantity	Unit	Unit Cost	Amount (Rial) 1,505,623,284 136,874,844
T .	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation	Quantity 4,99	Unit	Unit Gost (Rial)	Amount (Rial) 1,505,623,284 136,874,844 1,368,748,446 88,796,506 34,944,006
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil	4,99 2,00	Unit	Unit Gost (Rial)	Amount (Rial) 1,505,623,284 136,874,844 1,368,748,446 88,796,506 34,944,006 38,638,600
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	4,99 2,00	Unit 2 cu m 2 cu m	Unit Gost (Rial) 7,000 19,300	Amount (Rial) 1,505,623,284 136,874,844 1,368,748,446 88,796,506 34,944,006 38,638,600 15,213,900
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	4,996 2,000 61	Unit 2 cu m 2 cu m 1 cu m	7,000 19,300 24,900	Amount (Rial) 1,505,623,284 136,874,844 - 1,368,748,446 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	4,995 2,000 61 2,433	Unit 2 cu m 2 cu m 1 cu m	7,000 19,300 24,900	Amount (Rial) 1,505,623,284 136,874,844 - 1,368,748,446 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800
I .	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete	4,995 2,000 61 2,433 2,74	Unit 2 cu m 2 cu m 1 cu m 9 cu m 1 cu m	7,000 19,300 24,900 109,200 81,900	Amount (Rial) 1,505,623,284 136,874,844 - 1,368,748,446 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	4,995 2,000 61 2,433 2,74	Unit 2 cu m 2 cu m 1 cu m 9 cu m 1 cu m 4 sq m	7,000 19,300 24,900 109,200 81,900 36,400	Amount (Rial) 1,505,623,284 136,874,844 1,368,748,446 88,796,506 34,944,006 38,638,600 15,213,900
I _	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil	4,99; 2,00; 61 2,43; 2,74 2,50	Unit 2 cu m 2 cu m 1 cu m 9 cu m 1 cu m 4 sq m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap	4,99 2,00 61 2,43 2,74 2,50 1,40	2 cu m 2 cu m 1 cu m 1 cu m 4 sq m cu m 4 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	Amount (Rial) 1,505,623,284 136,874,844 - 1,368,748,444 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block	4,995 2,005 61 2,435 2,74 2,500 1,400 196	Unit 2 cu m 2 cu m 1 cu m 1 cu m 4 sq m cu m 4 cu m 8 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 224,487,900 91,145,600 21,902,400 23,760,000
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 1 cu m 2 cu m 1 cu m 2 cu m 2 cu m 3 cu m 3 cu m 5 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 21,902,400 23,760,000 424,192,500
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block	4,995 2,005 61 2,435 2,74 2,500 1,400 196	Unit 2 cu m 2 cu m 1 cu m 1 cu m 4 sq m cu m 4 cu m 8 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	Amount (Rial) 1,505,623,28- 136,874,844- 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 21,902,400 23,760,000 424,192,500
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,28 136,874,84 1,368,748,44 88,796,50 34,944,00 38,638,60 15,213,90 581,972,30 266,338,80 224,487,90 91,145,60 21,902,40 23,760,00 424,192,50
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,28- 136,874,844- 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 21,902,400 23,760,000 424,192,500 228,124,74
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,28 136,874,844 88,796,50 34,944,00 38,638,60 15,213,90 581,972,30 266,338,80 224,487,90 91,145,60 21,902,40 23,760,00 424,192,50
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600
1.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 424,192,500 228,124,744 75,281,164
α.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,506 34,944,006 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 21,902,400 23,760,000 424,192,500 228,124,746
α.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 424,192,500 228,124,744 75,281,164
C.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,8444 88,796,504 34,944,004 38,638,604 15,213,904 266,338,806 224,487,906 91,145,606 21,902,404 23,760,004 424,192,504 228,124,744 75,281,164
I .	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 424,192,500 228,124,744 75,281,164
1 . II	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,284 136,874,844 88,796,500 34,944,000 38,638,600 15,213,900 266,338,800 224,487,900 23,760,000 424,192,500 228,124,744 75,281,164
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III) Total(I + II + III + IV)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,28- 136,874,844- 88,796,500 34,944,000 38,638,600 15,213,900 581,972,300 266,338,800 224,487,900 91,145,600 424,192,500 228,124,74 75,281,16- 150,562,32 346,293,35
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Draining Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	4,995 2,005 61 2,435 2,74 2,500 1,400 196	2 cu m 2 cu m 1 cu m 9 cu m 1 sq m cu m 4 sq m cu m 8 cu m 5 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 1,505,623,28 136,874,84 88,796,50 34,944,00 38,638,60 15,213,90 581,972,30 266,338,80 224,487,90 91,145,60 21,902,40 23,760,00 424,192,50 228,124,74 75,281,16

	Work Item	Bazoft T3 Quantity Unit		nin check dam nit Gost (Rial)	Amount (Rial)
	بر سوم و در المراجع و	والمراجع والم		(Riai)	
Ι.	Construction Base Cost		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	······································	252,376,608
	1. Preparatory Works —— (10% of Item2)	nur Dugden viland (gelege on het Dugdelendendeld her deldderd) jegel plann vey highe, vera Lyno r egelede			22,943,328
	and the second second	•			900 499 900
	2. Civil Works				229,433,280 10,352,200
	-Gravel,Soil	751 cu n	a	7,000	5,257,000
	-Weathered Rock	264 cu n		19,300	5,095,200
	-Rock b.Concrete	cu n	n	24,900	91,518,700
	-Plain Concrete	433 cu n	n.	109,200	47,283,600
	-Rubble Concrete	377 cu n		81,900	30,876,300
	-Wet Masonry c.Free Drainning Backfil	367 sq n	1000	36,400 30,700	13,358,800
	d.Boulder Riprap	160 cu n		15,600	2,496,000
	e.Concrete Block	cu n		120,000	0
	f.Gabion g.Embankment	1,135 cu n cu n		76,500 25,000	86,827,500 0
	h.Miscellaneous	l.s		20,000	38,238,880
	(20% of a to g)				
П.	Administration Cost -		. ·		12,618,830
	(5% of Total of Item I))			
Ш	Engineering Cost	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		25,237,661
	(10% of ltem I)				
IV.	Physical Contingency ——				58,046,620
	(20% of I + II + III)				<u> </u>
V.	Total(I + II + III + IV)				348,279,719
	Rounded Total			2	348,300,000
		Bazoft T4	M	lain check dam	
	Work Item	Quantity Unit		nit Cost	Amount
				(Rial)	(Rial)
I.	Construction Base Cost				34.827.144
Ι.	Construction Base Cost 1. Preparatory Works —				34,827,144 3,166,104
Ι.					
Ι.	Preparatory Works — (10% of Item2) Civil Works — — — — — — — — — — — — — — — — — — —				3,166,104 31,661,040
Ι.	Preparatory Works — (10% of Item2) Civil Works — a.Excavation —	171 ov 6		7,000	3,166,104 31,661,040 1,197,000
Ι.	Preparatory Works — (10% of Item2) Civil Works — — — — — — — — — — — — — — — — — — —	171 cu n		7,000 19,300	3,166,104 31,661,040
Ι.	1. Preparatory Works — (10% of Item2) 2. Civil Works — a.Excavation — Gravel, Soil — Weathered Rock — Rock	171 cu n cu n cu n	n .	7,000 19,300 24,900	3,166,104 31,661,040 1,197,000 1,197,000 0
Ι.	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	cu n	n n	19,300 24,900	3,166,104 31,661,040 1,197,000 1,197,000 0 0
Ι.	1. Preparatory Works — (10% of Item2) 2. Civil Works — a.Excavation — Gravel, Soil — Weathered Rock — Rock	cu n	n n	19,300 24,900 109,200	3,166,104 31,661,040 1,197,000 1,197,000 0 0 15,078,700 9,391,200
	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	86 cu n 37 cu n 73 sq n	n n n n	19,300 24,900 109,200 81,900 36,400	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200
Ι.	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	cu n cu n 86 cu n 37 cu n 73 sq n cu n	n n n n n	19,300 24,900 109,200 81,900 36,400 30,700	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0
	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	86 cu n 37 cu n 73 sq n	n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200
	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	cu n cu n 36 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n		19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500
	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	cu n cu n 36 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0
1.	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	cu n cu n 36 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500
	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	cu n cu n 36 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840
	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0
II .	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357
II .	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840
II.	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357 3,482,714
II.	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357
II. M	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357 3,482,714 8,010,243
II. M	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III + IV)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357 3,482,714 8,010,243
II. M	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n	n n n n n n n n	19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357 3,482,714 8,010,243
II. M	1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III + IV)	cu n cu n 86 cu n 37 cu n 73 sq n cu n 35 cu n cu n 125 cu n cu n		19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,166,104 31,661,040 1,197,000 1,197,000 0 15,078,700 9,391,200 3,030,300 2,657,200 0 546,000 0 9,562,500 0 5,276,840 1,741,357 3,482,714 8,010,243

Work Item	Bazoft T5 Quantity Unit	Main check dam Unit Cost	Amount
		(Rial)	(Rial)
1. Preparatory Works	and developed the standard of the charge of the control of the charge of		34,827,144 3,166,104
(10% of Item2)			
2. Civil Works		***************************************	31,661,040
a.Excavation			1,197,000
-Gravel,Soil -Weathered Rock	171 cu m	7,000	1,197,000
-Weathered Rock -Rock	cu m cu m	19,300 24,900	0
b.Concrete —	cu m	24,900	0 15,078,700
-Plain Concrete	86 cu m	109,200	9,391,200
-Rubble Concrete	37 cu m	81,900	3,030,300
-Wet Masonry	73 sq m	36,400	2,657,200
c.Free Drainning Backfil	cu m	30,700	0
d.Boulder Riprap	35 cu m	15,600	546,000
e.Concrete Block	cu m	120,000	0
f.Gabion g.Embankment	125 cu m	76,500	9,562,500
h.Miscellaneous	cu m l.s.	25,000	0 5,276,840
(20% of a to g)	1.5.		0,410,640
. Administration Cost			1,741,357
(5% of Total of Item I)			
Engineering Cost		·····	3,482,714
(10% of Item I)			
			0.010.040
. Physical Contingency (20% of I + II + III)			8,010,243
. Total(I + II + III + IV)			48,061,459
Rounded Total			48,100,000
	Bazoft Check Dam		
Work Item	Bazoft Check Dam Quantity Unit	Unit Cost	Amount (Rial)
· · · · · · · · · · · · · · · · · · ·	Quantity Unit	Unit Cost (Rial)	(Rial)
. Construction Base Cost	Quantity Unit	Unit Cost (Rial)	(Rial) 1,966,154,520
. Construction Base Cost 1. Preparatory Works	Quantity Unit	Unit Cost (Rial)	(Rial)
. Construction Base Cost	Quantity Unit	Unit Cost (Rial)	(Rial) 1,966,154,520
. Construction Base Cost 1. Preparatory Works	Quantity Unit	Unit Cost (Rial)	(Rial) 1,966,154,520
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation	Quantity Unit	Unit Cost (Rial)	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil	Quantity Unit	Unit Cost (Rial)	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	6,737 cu m 2,266 cu m	Unit Cost (Rial) 7,000 19,300	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	Quantity Unit	Unit Cost (Rial)	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete	6,737 cu m 2,266 cu m 611 cu m	7,000 19,300 24,900	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	6,737 cu m 2,266 cu m 611 cu m	7,000 19,300 24,900	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m	7,000 19,300 24,900 109,200 81,900	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete	6,737 cu m 2,266 cu m 611 cu m	7,000 19,300 24,900 109,200 81,900 36,400	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m	7,000 19,300 24,900 109,200 81,900	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel, Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item 1)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200
Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) I.Engineering Cost (10% of Item I)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200 98,307,726
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200 98,307,726
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I) T. Physical Contingency (20% of I + II + III)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200 98,307,726 196,615,452
. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	6,737 cu m 2,266 cu m 611 cu m 3,376 cu m 3,353 cu m 3,320 sq m cu m 1,749 cu m 198 cu m 7,428 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 1,966,154,520 178,741,320 1,787,413,200 106,106,700 47,159,000 43,733,800 15,213,900 764,117,900 368,659,200 274,610,700 120,848,000 0 27,284,400 23,760,000 568,242,000 0 297,902,200 98,307,726

Bazoft Bank Protection (P. Participation)

1. Preparatory Works (10% of Item2) 2. Civil Works 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946, 857,946,		Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
1. Preparatory Works (10% of Item2) 2. Civil Works 857,946, 857,946, 857,946, 81,175,	ŗ.	Construction Base Cost	esquain Hidden) reportences al autography graphy	*******		- 943,740,60
(10% of Item2) 2. Civil Works 857,946, 857,946, 8. Excavation 14,175, 14,175, 19,300 14,175, 19,300 14,175, 19,300 14,175, 19,300 14,175, 19,300 14,175, 19,300 14,175, 19,300 14,175, 19,300 14,175, 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300 19,300				**********************		- 85,794,60
2. Civil Works a. Excavation —Gravel,Soil —Gravel,Soil —Gravel,Soil —Gravel,Soil —Gravel,Soil —Weathered Rock —Gravel —Rock —Rock —Rock —Cu m 19,300 —Rock —Robble Concrete —Cu m 81,900 —Wet Masonry —Wet Masonry —Wet Masonry —Wet Masonry —Robble Concrete —Robble Riprap —Cu m 120,000 —Robo —Rob		· · · · · · · · · · · · · · · · · · ·				
14,175, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,176, 14,1						
Cravel, Soil		2. Civil Works		***************************************	ngaga, ketarahai (an ketaran 1920).	857,946,00
						- 14,175,00
Rock Cu m 24,900			2,025	4	•	14,175,00
Description					•	
Plain Concrete		· · · · · · · · · · · · · · · · · · ·		cu m	24,900	•
-Rubble Concrete -Wet Masonry -				***************************************		•
-Wet Masoury c. Free Drainning Backfil d00 cu m 30,700 12,280, d. Boulder Riprap e. Concrete Block cu m 120,000 f. Gabion 900 cu m 76,500 g. Embankment h. Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of ltem I) I. Engineering Cost Work Item Bazoft River Improvement Work Item Guantity Unit Unit Cost (Rial) Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a. Excavation -Gravel, Soil -Weathered Rock Rock -Cu m 19,300 -Weathered Rock -Rock -Cu m 24,300 -Rock -Rock -Cu m 24,300 -Roch -Rock -Cu m 24,300 -Roch						
C. Free Drainning Backfil 400 cu m 30,700 12,280, d. Boulder Riprap cu m 15,600 e. Concrete Block cu m 120,000 f. Gabion 9000 cu m 76,500 688,500, g. Embankment cu m 25,000 h. Miscellaneous l.s. 142,991, (20% of a to g) l. Administration Cost (5% of Total of Item I) l. Engineering Cost 198,185, (20% of I + II + III) l. High 13,189,100, 10,189,113, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,110, 1,189,		*			-	
d.Boulder Riprap e. Concrete Block c. Courte B		•	100	_	-	10.000.00
e. Concrete Block f. Gabion 9000 cu m 76,500 688,500, g. Embankment cu m 25,000 h. Miscellaneous l.s. 142,991, (20% of a to g) I. Administration Cost (5% of Total of Item I) II. Engineering Cost V. Physical Contingency (20% of I + II + III) 7. Total (I + II + III + IIV) Rounded Total Rear River Improvement Work Item Quantity Unit Unit Cost (Rial) I. Construction Base Cost 942,359, (10% of Item 2) I. Preparatory Works 85,669, (10% of Item 2) 2. Civil Works 8. Excavation 76,000 33,229, -Gravel,Soil 4,747 cu m 7,000 33,229, -Gravel,Soil 4,747 cu m 19,300 -Gravel,Soil 4,747 cu m 19,300 -Fravel,Soil 4,747 cu m 19,300 -Fravel,Soil 4,747 cu m 19,300 -Fravel,Soil 4,747 cu m 2,4000 -Fravel,Soil 4,747 cu m 2,4000 -Fravel,Soil 4,747 cu m 19,300 -Fravel,Soil 4,747 cu m 2,4000 -Fravel,Soil 4,747 cu			400		· ·	12,280,00
f.Gabion 9000 cu m 76,500 688,500, g.Embankment cu m 25,000 k. Miscellaneous l.s. 142,991, (20% of a to g) 1.s. 142,991, I. Administration Cost 47,187, I. Engineering Cost 198,185, V. Physical Contingency 198,185, (20% of 1+II+III) 1,189,110, Rounded Total 1,189,110, Bazoft River Improvement 198,185, Work Item Quantity Unit Unit Cost (Rial) I. Construction Base Cost 942,359, 1. Preparatory Works 85,669, (10% of Item2) 2. Civil Works 85,669, -Gravel,Soil 4,747 cu m 7,000 33,229, -Weathered Rock cu m 19,300 -Weathered Rock cu m 19,300 -Rock cu m 24,900 b. Concrete 2,969 cu m 109,200 324,214, -Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, -Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, -Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g. Embankment cu m 25,000 142,781, (20% of a to g) 1. Administration Cost (10% of Item I) I. Engineering Cost 94,235, (10% of Item I) 1. Engineering Cost (10% of Item I) V. Physical Contingency 216,742,		the state of the s				
g.Embankment h.Miscellaneous l.s. 142,991, (20% of a to g) I. Administration Cost (5% of Total of Item I) II. Engineering Cost V. Physical Contingency (20% of I + II + III) 7. Total (I + II + III + IV) Rounded Total Daze Cost (Rial) I. Construction Base Cost (Rial) I. Preparatory Works (Rial) I. Preparatory Works (Rial) - Cravel,Soil 4,747 cu m 7,000 33,229, - Weathered Rock cu m 19,300 - Weathered Rock cu m 19,300 - Weathered Rock cu m 19,300 - Rock cu m 24,900 b. Concrete 2,345 cu m 81,900 192,055, - Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, g.Embankment cu m 25,000 h. h.Miscellaneous Ls. (20% of a to g) II. Administration Cost (5% of Total of Item I) II. Engineering Cost 94,235, d. 11, 11, 12, 11, 11, 11, 11, 11, 11, 11,			200			. 600 con 00
1. Miscellaneous (20% of a to g) 47,187, (20% of a to g) 47,187, (5% of Total of Item I) 1. Engineering Cost 47,187, (20% of I + II + III) 1. 1,189,113, (20% of I + II + III) 1. 1,189,113, (20% of a to g) 1. Administration Cost		The state of the s	900			688,500,00
(20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost 7. Physical Contingency (20% of I + II + III) 7. Total (I + II + III + III) 8. Bazoft River Improvement Work Item Quantity Unit Unit Cost (Rial) 1. Preparatory Works (Rial) 2. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation - Gravel, Soil 4,747 cu m 7,000 33,229, - Weathered Rock cu m 19,300 - Rock cu m 24,900 b. Concrete - 2,969 cu m 109,200 324,214, - Rubble Concrete 2,345 cu m 81,900 192,455, - Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d. Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, f. Gabion cu m 76,500 g. Embankment cu m 25,000 h. Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I) I. Engineering Cost — 94,235, (10% of Item I)				_	25,000	110 001 00
Administration Cost (5% of Total of Item I) I Engineering Cost I I Engineering Cost I I I I I I I I I				Ls.		142,991,00
Tengineering Cost		(20% of a to g)				
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I. Engineering Cost	-) .			,,
7. Physical Contingency (20% of 1 + II + III + IIII + III + IIII + III + IIII + III + IIII + III + III + III + IIII + IIII + III + IIII + III + III + III + III + III + III + IIII + IIII + IIII + IIII + III + III + III + III + IIII + III + III + III + III + III +				•		A company of the company of
Total (I + II + III + III) 1,189,113 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110	I	.Engineering Cost	************************************	·····		
Total (I + II + III + III) 1,189,113 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110 1,189,110			•			
Total(1+II+III+III) 1,189,113 1,189,110 1,189,110 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,100 1,189,	ź	Dhysical Contingency				100 106 55
Total (+ +	٠.				,	100,100,02
Bazoft River Improvement Bazoft River Improvement	_					
Construction Base Cost 942,359, 1. Preparatory Works 85,669, (10% of Item2)			Bazoft River	r Improv		1,189,100,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation ——Gravel,Soil ——Weathered Rock ——Rock ——Rock ——Rock ——Plain Concrete ——Plain Concrete ——Pain Concrete ——Rubble Concrete ——Rubbl	-	Work Item			Unit Cost	Amount
Civil Works		Work Item			Unit Cost	Amount
2. Civil Works a.Excavation a.Excavation -Gravel,Soil -Weathered Rock -Rock -Rock -Rock -Plain Concrete -Rubble Concrete -Wet Masonry -Wet Masonry -Rock -Rock -Wet Masonry -Wet Masonry -Wet Masonry -Rock -Wet Masonry -Wet Masonry -Wet Masonry -Wet Masonry -Rock -Wet Masonry -We			Quantity	Unit	Unit Cost (Rial)	Amount
a.Excavation 33,229,		Construction Base Cost	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
a.Excavation 33,229,		Construction Base Cost 1. Preparatory Works	Quantity	Unit	Unit Cost (Rial)	Amount (Rial) - 942,359,74
-Gravel, Soil 4,747 cu m 7,000 33,229, -Weathered Rock cu m 19,300 -Rock cu m 24,900 b. Concrete 535,707, -Plain Concrete 2,969 cu m 109,200 324,214, -Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e. Concrete Block 640 cu m 120,000 76,800, f. Gabion cu m 76,500 g. Embankment cu m 25,000 h. Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I)		Construction Base Cost 1. Preparatory Works - (10% of Item2)	Quantity	Unit	Unit Cost (Rial)	Amount (Rial) - 942,359,74 - 85,669,06
-Weathered Rock cu m 19,300 -Rock cu m 24,900 b. Concrete 535,707, -Plain Concrete 2,969 cu m 109,200 324,214, -Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e. Concrete Block 640 cu m 120,000 76,800, f. Gabion cu m 76,500 g. Embankment cu m 25,000 h. Miscellaneous I.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I)		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works	Quantity	Unit	Unit Cost (Rial)	Amount (Rial) - 942,359,74 - 85,669,06
-Rock cu m 24,900 b. Concrete 535,707, -Plain Concrete 2,969 cu m 109,200 324,214, -Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e. Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g. Embankment cu m 25,000 h. Miscellaneous 1.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I)		Construction Base Cost 1. Preparatory Works — (10% of Item2) 2. Civil Works — a.Excavation —	Quantity	Unit	Unit Gost (Rial)	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00
b. Concrete 535,707, -Plain Concrete 2,969 cu m 109,200 324,214, -Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d. Boulder Riprap 4,370 cu m 15,600 68,172, e. Concrete Block 640 cu m 120,000 76,800, f. Gabion cu m 76,500 g. Embankment cu m 25,000 h. Miscellaneous I.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I)		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil	Quantity	Unit	Unit Cost (Rial)	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 33,229,00
-Plain Concrete 2,969 cu m 109,200 324,214, -Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) J. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	Quantity	Unit ' cu m cu m	Unit Cost (Rial) 7,000 19,300	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 33,229,00
-Rubble Concrete 2,345 cu m 81,900 192,055, -Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) J. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	Quantity	Unit ' cu m cu m	Unit Cost (Rial) 7,000 19,300	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 33,229,00
-Wet Masonry 534 sq m 36,400 19,437, c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) I. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	Quantity 4,747	Unit Cu m cu m cu m	Unit Gost (Rial) 7,000 19,300 24,900	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,707,90
c.Free Drainning Backfil cu m 30,700 d.Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) I. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete	4,747 2,969	Cu m cu m cu m	7,000 19,300 24,900	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 324,214,80
d.Boulder Riprap 4,370 cu m 15,600 68,172, e.Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) I. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete	Quantity 4,747 2,969 2,345	Cu m cu m cu m cu m cu m cu m	7,000 19,300 24,900 109,200 81,900	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50
e.Concrete Block 640 cu m 120,000 76,800, f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I) I. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry	Quantity 4,747 2,969 2,345	cu m cu m cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50 - 19,437,60
f.Gabion cu m 76,500 g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) [. Administration Cost (5% of Total of Item I)] [. Engineering Cost (10% of Item I)] [. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil	2,969 2,345 534	Cu m cu m cu m cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50 - 19,437,60
g.Embankment cu m 25,000 h.Miscellaneous l.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) J. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	2,969 2,345 534 4,370	Cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50 - 19,437,60 - 68,172,00
h. Miscellaneous I.s. 142,781, (20% of a to g) I. Administration Cost 47,117, (5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) I. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	2,969 2,345 534 4,370	Cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50 - 19,437,60 - 68,172,00
(20% of a to g) 1. Administration Cost		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	2,969 2,345 534 4,370	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 535,707,90 324,214,80 192,055,50 19,437,60 68,172,00 76,800,00
I. Administration Cost (5% of Total of Item I) 47,117, I. Engineering Cost (10% of Item I) 94,235, V. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	2,969 2,345 534 4,370	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 192,055,50 19,437,60 68,172,00 76,800,00
(5% of Total of Item I) 1. Engineering Cost 94,235, (10% of Item I) 2. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	2,969 2,345 534 4,370	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 942,359,74 85,669,06 856,690,68 33,229,00 33,229,00 535,707,90 324,214,80 192,055,56 19,437,60 68,172,00 76,800,00
(5% of Total of Item I) I. Engineering Cost 94,235, (10% of Item I) 7. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	2,969 2,345 534 4,370	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 33,229,00 - 535,707,90 - 324,214,80 192,055,50 19,437,60 68,172,00 76,800,00
I. Engineering Cost (10% of Item I) 94,235, 7. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	2,969 2,345 534 4,370	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 942,359,76 85,669,06 33,229,00 33,229,00 33,229,00 - 535,707,90 324,214,80 192,055,50 19,437,60 68,172,00 76,800,00
(10% of Item I) 7. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 942,359,76 85,669,06 33,229,00 33,229,00 33,229,00 - 535,707,90 324,214,80 192,055,50 19,437,60 68,172,00 76,800,00
(10% of Item I) 7. Physical Contingency 216,742,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) 942,359,76 85,669,06 33,229,00 33,229,00 33,229,00 - 535,707,90 324,214,80 192,055,50 19,437,60 68,172,00 76,800,00
7. Physical Contingency 216,742,	[.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50 - 19,437,60 - 68,172,00 - 76,800,00 - 142,781,78
	[.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 535,707,90 - 324,214,80 - 192,055,50 - 19,437,60 - 68,172,00 - 76,800,00 - 142,781,78
(20% of I+II+III)		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I Engineering Cost (10% of Item I)	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74 - 85,669,06 - 856,690,68 - 33,229,00 - 334,214,80 192,055,50 19,437,60 - 68,172,00 76,800,00 - 142,781,78 - 47,117,98
		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Plain Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I Engineering Cost (10% of Item I)	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,74
. Total($I + II + III + IV$) 1,300,456,		Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Plain Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I Engineering Cost (10% of Item I)	2,969 2,345 534 4,370 640	Cu m c	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	Amount (Rial) - 942,359,76 - 85,669,06 - 33,229,06 - 33,229,06 - 535,707,96 - 324,214,86 - 192,055,56 - 19,437,66 - 68,172,06 - 76,800,06 - 47,117,98 - 94,235,97

Bazoft Rockfall Protection

Work Item				
and and particularly to the contract of the co	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
I. Construction Base Cost				79 910 940
				72,219,840 6,565,440
(10% of Item2)	err er lielen i erre elektrisken konten ekrane n en enken en	!*************************************	1000000 000000000000000000000000000000	0,000,440
	4			
2. Civil Works	ervernantereris praesas as artical sensi and		·	65,654,400
a.Excavation				1,750,000
-Gravel,Soil	250	cu m	7,000	1,750,000
-Weathered Rock	•	cu m	19,300	, · ·
-Rock		cu m	24,900	* * * * * * * * * * * * * * * * * * *
b.Concrete				52,962,00
-Plain Concrete		cu m	109,200	2,074,80
-Rubble Concrete		cu m	81,900	40,622,40
-Wet Masonry	282	2 sq m	36,400	10,264,80
c.Free Drainning Backfil		cu m	30,700	· · · · · · · · · · · · · · · · · · ·
d.Boulder Riprap		cu m	15,600	
e-Concrete Block	•	cu m	120,000	
f.Gabion		cu m	76,500	
g.Embankment		cu m	25,000	
h.Miscellaneous		l.s.		10,942,40
(20% of a to g)				
I. Administration Cost				3,610,99
(5% of Total of Item I)				0,010,00
I Engineering Cost				7,221,98
(10% of Item I)				All the second second
7. Physical Contingency		* .		16,610,56
(20% of I + II + III)				10,010,00
	<u> </u>			<u> </u>
/. Total(I + II + III + IV)				99,663,37
Rounded Total				99,700,000
•	Control of the Control			
	Bazoft Land			
Work Item	Quantity	Unit	Unit Cost (Rial)	Amount
				. (H:31)
			(Mai)	(Rial)
. Construction Base Cost	A		(Mai)	
				178,491,19
				178,491,19
1. Preparatory Works — (10% of Item2)				178,491,19 16,226,47
Preparatory Works —— (10% of Item2) Civil Works ————————————————————————————————————				178,491,19 16,226,47 162,264,72
1. Preparatory Works — (10% of Item2)				178,491,19 16,226,47 162,264,72 13,132,00
1. Preparatory Works — (10% of Item2) 2. Civil Works — a.Excavation — Gravel, Soil		cu m	7,000	178,491,19 16,226,47 162,264,72 13,132,00
1. Preparatory Works — (10% of Item2) 2. Civil Works — a.Excavation — Gravel, Soil — Weathered Rock			7,000 19,300	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00
1. Preparatory Works — (10% of Item2) 2. Civil Works — a.Excavation — Gravel, Soil — Weathered Rock — Rock		cu m	7,000	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation		5 cu m	7,000 19,300 24,900	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation	1,876	6 cu m cu m cu m	7,000 19,300 24,900 109,200	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete	1,876	6 cu m cu m cu m	7,000 19,300 24,900 109,200 81,900	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	1,876	6 cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	1,876	6 cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	1,876	6 cu m cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	1,876 1,019	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10 38,632,50 27,044,12
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	1,876 1,019	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10 38,632,50 27,044,12
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	1,876 1,019	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10 38,632,50 27,044,12 8,924,56
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	1,876 1,019	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10 38,632,50 27,044,12 8,924,56
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I)	1,876 1,019	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10 38,632,50 27,044,12 8,924,56
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	1,876 1,019	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19 16,226,47 162,264,72 13,132,00 13,132,00 83,456,10 83,456,10 38,632,50 27,044,12 8,924,56
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I) J. Physical Contingency	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19: 16,226,472: 13,132,000: 13,132,000: 83,456,100: 83,456,100: 27,044,120: 8,924,560: 17,849,119:
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,19: 16,226,472 13,132,000 13,132,000 83,456,100 83,456,100 27,044,120 8,924,560 17,849,119 41,052,974
(10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	1,876	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	178,491,193 16,226,472 162,264,720 13,132,000 13,132,000 83,456,100 83,456,100 (6 (7) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8

Bazoft Check Dam (P. Participation)

Work Item	Quantity	Uni	t Unit (Ri		Amount (Rial)
I. Construction Base Cost 1. Preparatory Works (10% of Item2)			·	***************************************	443,520,000 40,320,000
2. Civil Works			***************************************		403,200,000 14,700,000
-Gravel,Soil	2,100			7,000	14,700,000
-Weathered Rock -Rock b.Concrete		cu i		19,300 24,900	0 0 0
-Plain Concrete		cu i	m	109,200	. 0
-Rubble Concrete		cu I		81,900	. 0
-Wet Masonry		sq		36,400	0
c.Free Drainning Backfil		cu		30,700	0
d.Boulder Riprap		cu ;	m	15,600	0
e Concrete Block		cu i	m	120,000	. 0
f.Gabion	4200	cu i	m	76,500	321,300,000
g.Embankment		cu I	m .	25,000	0
h.Miscellaneous (20% of a to g)		1.	s		67,200,000
II. Administration Cost (5% of Total of Item I)	/4 ****/*/*****************************			·	22,176,000
■ Engineering Cost (10% of Item I)			· · · · · · · · · · · · · · · · · · ·		0
IV. Physical Contingency (20% of I+II+III)			~ ~ (**********************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	93,139,200
V. Total(I+II+III+IV) Rounded Total					558,835,200 558,800,000

Table L-8-1-3 Disaster Prevention Facility for Sarbaz

Sarbaz TM Main check dam

	Sarbaz	<u>'IM</u>	Main check dam	
Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Construction Base Cost -		······································	-	1,362,688,404
a. Lacharda, (come		·		123,880,764
(10% of Item2)				
2. Civil Works				1,238,807,640
a.Excavation				63,085,000
-Gravel,Soil	5,290		7,000	37,030,000
-Weathered Rock	1,350		19,300	26,055,000
-Rock		cu m	24,900	20,000,000
b.Concrete				618,836,400
-Plain Concrete	2,756	cu m	109,200	300,955,200
-Rubbule Concrete	2,728		81,900	223,423,200
Wet Masonry	2,595		36,400	94,458,000
c.Free Drainning Backfil		cu m	30,700	0
d.Boulder Riprap	1,388	cu m	15,600	21,652,800
e.Concrete Block	198	cu m	120,000	23,760,000
f.Gabion	3,987	cu m	76,500	305,005,500
g.Embankment		cu m	25,000	0
h.Miscellaneous	•	l.s.		206,467,940
(20% of a to g)	*			
Administration Cost	A			CO 104 400
(5% of Total of Item I)			**************************************	68,134,420
(2 % Of loral of Rell I)				
Engineering Cost				136,268,840
(10% of Item 1)				
Physical Contingency (20% of I + II + III)	and the state of t			313,418,333
Total(! + II + III + IV)				1,880,509,998
Rounded Total		1.1		1,880,500,000
	•			
	Sarbaz		Main check dam	
Work Item	Quantity	Unit	Unit Cost	Amount
TOTAL COMM	Qualitity	Oline	(Rial)	(Rial)
			(*(101)	
Construction Base Cost -			(YVIII)	763,502,256
1. Preparatory Works			CAGIN	
Outstinger mast oost			COLON	763,502,256
1. Preparatory Works (10% of Item2)			VVIII	763,502,256 69,409,296
Preparatory Works (10% of Item2) Civil Works			(Vide)	763,502,256 69,409,296 694,092,960
Preparatory Works (10% of Item2) Civil Works a.Excavation				763,502,256 69,409,296 694,092,960 23,807,000
Preparatory Works (10% of Item2) Civil Works a.Excavation ————————————————————————————————————	3,401	cu m	7,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation	3,401	cu m	7,000 19,300	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	3,401	cu m	7,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	3,401	cu m cu m	7,000 19,300 24,900	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	3,401	cu m cu m cu m	7,000 19,300 24,900 109,200	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 0 286,495,300 197,542,800
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete	3,401 1,809 471	cu m cu m cu m	7,000 19,300 24,900 109,200 81,900	763,502,256 69,409,296 694,092,960 23,807,000 0 0 286,495,300 197,542,800 38,574,900
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry	3,401 1,809 471 1,384	cu m cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil	3,401 1,809 471 1,384	cu m cu m cu m cu m cu m sq m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	3,401 1,809 471 1,384 685	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	3,401 1,809 471 1,384 685	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	763,502,256 69,409,296 694,092,960 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	763,502,256 69,409,296 694,092,960 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	763,502,256 69,409,296 694,092,960 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 257,422,500 0 115,682,160
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 257,422,500 0 115,682,160
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 257,422,500 0 115,682,160
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubbule Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	3,401 1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113 76,350,226
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III) Total(I + II + III + IV)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113 76,350,226 175,605,519
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113 76,350,226
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III) Total(I + II + III + IV)	1,809 471 1,384 685 3,365	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500 25,000	763,502,256 69,409,296 694,092,960 23,807,000 23,807,000 0 286,495,300 197,542,800 38,574,900 50,377,600 0 10,686,000 0 257,422,500 0 115,682,160 38,175,113 76,350,226 175,605,519

Sarbaz	T2	Main check dam
OMEDAZ	- /	Tyram Check dam

Work Item	Quantity Unit	Unit Cost (Rial)	Amount (Rial)
I. Construction Base Cost 1. Preparatory Works —— (10% of Item2)			405,967,716 36,906,156
2. Civil Works		and a Benthal decreased for the field of Decleded a trade of the Armide Address according to the Armide Address and Armide Address according to the Armide Add	369,061,560
a.Excavation ————————————————————————————————————	1,597 cu m	7,000	11,179,000 11,179,000
-Weathered Rock	cu m	19,300	. (11,110,000
-Rock b.Concrete	cu m	24,900	157,457,30
-Plain Concrete	927 cu m	109,200	101,228,40
-Rubbule Concrete	343 cu m	81,900	28,091,70
-Wet Masonry c.Free Drainning Backfil	773 sq m cu m	36,400 30,700	28,137,20
d.Boulder Riprap	225 cu m	15,600	3,510,00
e.Concrete Block f.Gabion	cu m 1,770 cu m	120,000 76,500	135,405,00
g.Embankment	cu m	25,000	155,405,00
h.Miscellaneous (20% of a to g)	1.s.		61,510,26
II. Administration Cost	······································		20,298,38
(5% of Total of Item I)			
III Engineering Cost (10% of Item I)			40,596,77
IV. Physical Contingency		· · · · · · · · · · · · · · · · · · ·	93,372,57
(20% of I+II+III) V. Total(I+II+III+IV)		•	560,235,44
Rounded Total			560,200,00
	Sarbaz T3	Main check dam	<u> </u>
Work Item	Sarbaz T3 Quantity Unit	Main check dam Unit Cost (Rial)	Amount (Rial)
	Quantity Unit	Unit Cost	(Rial)
I. Construction Base Cost 1. Preparatory Works ——		Unit Cost	(Rial) 295,652,01
I. Construction Base Cost 1. Preparatory Works —— (10% of Item2)	Quantity Unit	Unit Cost	(Rial) 295,652,01 26,877,45
I. Construction Base Cost 1. Preparatory Works —— (10% of Item2) 2. Civil Works	Quantity Unit	Unit Cost	(Rial) 295,652,01 26,877,45 268,774,56
I. Construction Base Cost 1. Preparatory Works —— (10% of Item2)	Quantity Unit	Unit Cost	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00
I. Construction Base Cost 1. Preparatory Works —— (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock	Quantity Unit	Unit Cost (Rial) 7,000 19,300	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00
I. Construction Base Cost 1. Preparatory Works —— (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock	Quantity Unit	Unit Cost (Rial)	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	Quantity Unit 1,190 cu m cu m cu m 704 cu m	7,000 19,300 24,900	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete	1,190 cu m cu m cu m 226 cu m	7,000 19,300 24,900 109,200 81,900	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete	Quantity Unit 1,190 cu m cu m cu m 704 cu m	7,000 19,300 24,900	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,86 76,876,86 18,509,46 20,893,60 3,744,00 95,625,00 44,795,76
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I)	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00 95,625,00 44,795,76
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,456 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00 95,625,00 44,795,76
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubbule Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I) III Engineering Cost (10% of Item I) IV. Physical Contingency	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00 95,625,00 44,795,76 14,782,60 29,565,20
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubbule Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I) III. Engineering Cost (10% of Item I) IV. Physical Contingency (20% of I + II + III) V. Total(I + II + III + IV)	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00
I. Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubbule Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I) III. Engineering Cost (10% of Item I) IV. Physical Contingency (20% of I + II + III)	1,190 cu m cu m cu m 226 cu m 574 sq m cu m 240 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	(Rial) 295,652,01 26,877,45 268,774,56 8,330,00 8,330,00 116,279,80 76,876,80 18,509,40 20,893,60 3,744,00 95,625,00 44,795,76 14,782,60 29,565,20 67,999,96

		Sarbaz Chec	K Dam	TOtal	
	Work Item	Quantity	Unit	Unit Cost	Amount
*****			· · · · · · · · · · · · · · · · · · ·	(Rial)	(Rial)
(Construction Base Cost	***************************************		***************************************	2,827,810,39
	. Preparatory Works				257,073,67
7	(10% of ltem2)				
	. Civil Works			*.	0 570 700 70
4	a.Excavation				2,570,736,72 106,401,00
	-Gravel, Soil		cu m	7,000	80,346,00
	-Weathered Rock	•	cu m	19,300	26,055,00
	-Rock	1,000	cu m	24,900	20,000,00
	b.Concrete -				1,179,068,80
	-Plain Concrete	6,196	cu m	109,200	676,603,20
	-Rubbule Concrete		cu m	81,900	308,599,20
•	-Wet Masonry	5,326	sq m	36,400	193,866,40
	c.Free Drainning Backfil	0.500	cu m	30,700	00 500 05
	d.Boulder Riprap e.Concrete Block	•	cu m	15,600	39,592,80
	f.Gabion		cu m	120,000 76,500	23,760,00 793,458,00
	g.Embankment	10,312	cu m	25,000	193,400,00
	h.Miscellaneous		l.s.	20,000	428,456,12
	(20% of a to g)		****		120,100,11
					- 44
. <i>F</i>	Administration Cost				141,390,52
	(5% of Total of Item I)	100			
.E	ingineering Cost				282,781,03
	(10% of ltem I)				
	Physical Contingency	<u> </u>			650,396,39
٠,					000,000,0
	(20% of 1+11+111)			and the second s	
. T	(20% of I+II+III) otal(I+II+III+IV) Rounded Total	Sarbaz Bank P	rotectio	n (P. Participation)	
. T	otal(I+II+III+IV) Rounded Total	Sarbaz Bank P Quantity	rotectio Unit	n (P. Participation) Unit Cost	3,902,400,00 Amount
. T	otal(I+II+III+IV) Rounded Total				3,902,378,34 3,902,400,00 Amount (Rial)
	otal(I+II+III+IV) Rounded Total Work Item			Unit Cost	3,902,400,00 Amount (Rial)
. (otal(I+I+II+IV) Rounded Total Work Item Construction Base Cost			Unit Cost	3,902,400,00 Amount (Rial) 4,262,346,00
. (otal(I+II+III+IV) Rounded Total Work Item			Unit Cost	3,902,400,00 Amount (Rial) 4,262,346,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost . Preparatory Works (10% of Item2)	Quantity		Unit Cost	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost . Preparatory Works (10% of Item2) . Civil Works	Quantity		Unit Cost	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00
. C	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost . Preparatory Works (10% of Item2) . Civil Works a.Excavation	Quantity	Unit	Unit Cost (Rial)	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil	Quantity	Unit	Unit Cost (Rial)	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost . Preparatory Works (10% of Item2) . Civil Works a.Excavation	Quantity	Unit	Unit Cost (Rial) 7,000 19,300	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock	Quantity	Unit	Unit Cost (Rial)	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation Gravel,Soil Weathered Rock Rock	Quantity	Unit	Unit Cost (Rial) 7,000 19,300	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete	Quantity	cu m	7,000 19,300 24,900 109,200 81,900	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry	Quantity	cu m cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00
. C	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00 404,250,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00 404,250,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00 404,250,00 404,250,00
(1	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00 404,250,00 404,250,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00 404,250,00 404,250,00 300,300,00 2,524,500,00
. (otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,486,00 404,250,00 404,250,00 300,300,00 2,524,500,00
2	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00 404,250,00 300,300,00 2,524,500,00
2	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00 404,250,00 300,300,00 2,524,500,00
2	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00 404,250,00 300,300,00 2,524,500,00
2	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00 404,250,00 300,300,00 2,524,500,00
2	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00 404,250,00 300,300,00 2,524,500,00
. C 1	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation Gravel,Soil Weathered Rock Rock b.Concrete Plain Concrete Rubble Concrete Wet Masonry c.Free Drainning Backfild d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount (Rial) 4,262,346,00 387,4860,00 404,250,00 404,250,00 300,300,00 2,524,500,00 645,810,00
	otal(I+II+III+IV) Rounded Total Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity 57,750	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	3,902,400,00 Amount

Sarbaz Land Slide Protection

Work It	em	Quantity	Unit	Unit ((Ria		-	Amount (Rial)
I. Construction B	Base Cost	~4 \$\$#\$\$\document\) = \$\document\) =					778,862,700
 Preparatory (10% of Ite 		to history of all the greatest physical and an approximation approximation and the second section and the second s		retuggade edgyd ywythwwedi'r cand dwidd	rr namena there are are as		70,805,700
2. Civil Works	eta aberrataren da da destra de circa acusa acusas escues.	·			······································		708,057,000
	ide å i krive induktione versengden by negen group, peppip plotte.					•	48,846,000
-Gravel,Soi		6,97	8 cu m		7,000		48,846,000
-Weathered -Rock	I KOCK	-	cu m		19,300 24,900		(
b.Concrete -	·						261,670,50
-Plain Con			cu m		109,200		
-Rubble Co		3,19	5 cu m		81,900		261,670,50
-Wet Masc c.Free Drains	•		sq m cu m		36,400 30,700		. (
d.Boulder Rin	_		cu m		15,600		
e.Concrete B	•		cu m	* .	120,000		
f.Gabion		. 36	54 cu m		76,500		279,531,00
g Embankmen h Miscellaneou			cu m l.s.		25,000		118,009,50
(20% of			1.5.				110,000,00
L. Administration_Co					· · · · · · · · · · · · · · · · · · ·		38,943,13
5% of Tot Engineering Cost	al of Item I)						77,886,27
(10% of Iter							11,000,21
7. Physical Continge (20% of I	•		····	· · · · · · · · · · · · · · · · · · ·			179,138,42
	- IV)				· · · · · · · · · · · · · · · · · · ·		1,074,830,52
/ . Total (I + II + III + Rounded Tota			•				1,074,800,00
		Sarbaz Che	eck Dam(P. Participa	ntion)		1,074,800,00
	al	Sarbaz Che Quantity	eck Dam (Unit	P. Participa Unit ((Ria	Cost		1,074,800,00 Amount (Rial)
Rounded Total Work It	em Base Cost			Unit (Cost		Amount (Rial)
Rounded Total Work It Construction E 1. Preparatory	em Base Cost			Unit (Cost		Amount (Rial) 471,636,00
Rounded Total Work It	em Base Cost			Unit (Cost		Amount (Rial) 471,636,00
Work It Construction E Preparatory (10% of Ite Civil Works	em Base Cost			Unit (Cost		Amount (Rial) 471,636,00 42,876,00
Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation	em Base Cost Works m2)	Quantity	Unit	Unit (Cost ()		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00
Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi	em Base Cost Works m2)	Quantity	Unit	Unit (7,000		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation Gravel,Soi	em Base Cost Works m2)	Quantity	Unit	Unit (7,000 19,300		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation Gravel,Soi Weathered Rock b.Concrete	em Base Cost Works m2)	Quantity	Unit	Unit (7,000 19,300 24,900		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation Gravel,Soi Weathered Rock b.Concrete Plain Con	em Base Cost - Works m2) I Rock	Quantity	Unit 20 cu m cu m cu m	Unit (7,000 19,300 24,900 109,200		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation Gravel,Soi Weathered Rock b.Concrete Plain Con Rubble C	em Base Cost - Works - m2) I Rock crete oncrete	Quantity	O cu m cu m cu m cu m	Unit (7,000 19,300 24,900 109,200 81,900		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Co	em Base Cost Works m2) I Rock crete concrete conry	Quantity	O cu m cu m cu m cu m cu m cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Conductor -Wet Mason c.Free Drain	em Base Cost Works m2) I Rock crete concrete conry ning Backfil	Quantity	O cu m cu m cu m cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Congrete -Wet Mason C.Free Drain d.Boulder Rip e.Concrete B	em Base Cost - Works - m2) I Rock crete concrete conry ning Backfil	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Concrete -Wet Maso c.Free Drain d.Boulder Rip e.Concrete B f.Gabion	em Base Cost Works m2) I Rock crete concrete concrete concry ning Backfil crap lock	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Congrete -Wet Mason C.Free Draind d.Boulder Rip e.Concrete B	em Base Cost Works m2) I Rock crete concrete concry ning Backfil crap lock	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Congrete -Wet Masso c.Free Drain d.Boulder Rip e.Concrete B f.Gabion g.Embankment	em Gase Cost Works m2) I Rock crete concrete contry ning Backfil crap lock t us	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Concrete -Wet Mass c.Free Drain d.Boulder Rip e.Concrete B f.Gabion g.Embankmen h.Miscellaneou (20% of	em Base Cost Works Works I Rock crete concrete concr	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00 339,660,00 71,460,00
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Congrete Met Maso c.Free Drain d.Boulder Rip e.Concrete B f.Gabion g.Embankmen h.Miscellaneou (20% of Administration Co (5% of Total	em Base Cost Works m2) I Rock crete concrete concrete concry ning Backfil nrap lock t us a to g)	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00 339,660,00 71,460,00 23,581,80
Rounded Total Work It I. Construction E 1. Preparatory (10% of Ite 2. Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Concrete Met Maso c.Free Drain d.Boulder Rip e.Concrete B f.Gabion g.Embankmen h.Miscellaneou (20% of I. Administration Co (5% of Total	em Base Cost Works Works I Rock crete concrete concr	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,000 42,876,000 17,640,000 17,640,000 339,660,000 71,460,000 23,581,800
Work It I. Construction E 1. Preparatory (10% of Ite 2. Civil Works a.Excavation -Gravel,Soi -Weathered -Rock b.Concrete -Plain Con -Rubble Concrete Met Maso c.Free Drainr d.Boulder Rip e.Concrete B f.Gabion g.Embankmen h.Miscellaneou (20% of I. Administration Co (5% of Total	em Gase Cost Works m2) I Rock crete concrete onry ning Backfil orap lock t is a to g) ost al of Item I)	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,000 42,876,000 17,640,000 17,640,000 6 339,660,000 71,460,000
Rounded Total Work It Construction E Preparatory (10% of Ite Civil Works a.Excavation Gravel,Soi Weathered Rock b.Concrete Plain Con Rubble Convete Mass c.Free Drainr d.Boulder Rip e.Concrete B f.Gabion g.Embankment h.Miscellaneou (20% of Administration Co (5% of Total	em Base Cost Works m2) I Rock crete oncrete onry ning Backfil orap lock t us a to g) ost al of Item I)	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount (Rial) 471,636,00 42,876,00 428,760,00 17,640,00 17,640,00 71,460,00 23,581,80
Work It Vork It Construction E Preparatory (10% of Ite Civil Works a.Excavation Gravel,Soi Weathered Rock b.Concrete Plain Con Rubble Concrete Plain Con Rubble Concrete B Gabion g.Embankment h.Miscellaneou (20% of Administration Co (5% of Total	em Gase Cost Works m2) I Rock crete concrete conry ning Backfil brap lock it us a to g) ost al of Item I)	Quantity 2,52	O cu m	Unit (7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		Amount

Table L-8-1-4 Disaster Prevention Facility for Tangsorkh

Tangesorkh TM Main check dam Unit Cost Work Item Quantity Unit Amount (Rial) (Rial) 1,039,636,488 I. Construction Base Cost 1. Preparatory Works 94,512,408 (10% of Item2) 2. Civil Works 945,124,080 a.Excavation 55,924,600 -Gravel,Soil 1,877 cu m 7,000 13,139,000 19,300 968 cu m -Weathered Rock 18,682,400 24,900 24,103,200 -Rock 968 cu m b.Concrete 427,363,300 109,200 -Plain Concrete 1,603 cu m 175,047,600 81,900 193,857,300 -Rubble Concrete 2,367 cu m 36,400 -Wet Masonry 1,606 sq m 58,458,400 c.Free Drainning Backfil 30,700 cu m 730 cu m 15,600 11,388,000 d.Boulder Riprap 120,000 16,200,000 e.Concrete Block 135 cu m f.Gabion 2,055 cu m 76,500 157,207,500 25,000 g.Embankment cu m 119,520,000 h.Road Relocation 119,520,000 l.s. i.Miscellaneous 157,520,680 l.s. (20% of a to g) II. Administration Cost 51,981,824 (5% of Total of Item I) III .Engineering Cost 103,963,649 (10% of Item I) IV. Physical Contingency 239,116,392 (20% of I + II + III) V. Total(I + II + III + IV) 1,434,698,353 Rounded Total 1,434,700,000 Tangesorkh T1 Main check dam Unit Cost Quantity Unit Work Item Amount (Rial) (Rial) I. Construction Base Cost 19,375,884 1. Preparatory Works 1,761,444 (10% of Item2) 2. Civil Works 17,614,440 a.Excavation 1,322,000 -Gravel,Soil 51 cu m 7,000 357,000 -Weathered Rock 19,300 965,000 50 cu m -Rock cu m 24,900 b.Concrete 8,526,700 -Plain Concrete 47 cu m 109,200 5,132,400 -Rubble Concrete 25 cu m 81,900 2,047,500 -Wet Masonry 36,400 1,346,800 sq m c.Free Drainning Backfil 30,700 cu m d.Boulder Riprap 35 cu m 15,600 546,000 e.Concrete Block 120,000 cu m f.Gabion 76,500 4,284,000 56 cu m g.Embankment cu in 25,000 h.Miscellaneous 2,935,740 l.s. (20% of a to g) II. Administration Cost 968,794 (5% of Total of Item I) III .Engineering Cost 1,937,588 (10% of Item I) IV. Physical Contingency 4,456,453 (20% of I + II + III) V. Total(I + II + III + IV) 26,738,720

26,700,000

Rounded Total

Tangesorkh	Main check dam
	and the second control of the second control

		Tang	esorkh T2	Main check d	1(1)11
	Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
				Critery	
	ction Base Cost				40,48
	aratory Works	-		******************************	3,68
(10%	of Item2)	*			
	Works				36,86
	cavation				2,3
	ravel,Soil		88 cu m	7,00	
	/eathered Rock ock		88 cu m cu m	19,300 24,900	
	ock ncrete	***************************************		41,30	•
	lain Concrete		98 cu m	109,20	
	ubble Concrete	-	62 cu m	81,90	
	et Masonry		93 sq m	36,40	
	e Drainning Backfil	•	cu m	30,70	
	ulder Riprap ncrete Block	•	45 cu m cu m	15,600 120,000	
f.Gab			lll cu m	76,50	0 0 8,49
	bankment		cu m	25,000	
h Mis	cellaneous		l.s.	-	6,13
(20	0% of a to g)				
II . Administr	ation Cost				2,0
	of Total of Item I)				2,0.
W					4.0
III .Engineerii	of Item I)			······································	4,0
(1070	or item 1)	•	•		:
IV. Physical			***************************************		9,3
(20%	of I+Ⅱ+Ⅲ)				
	II + III + IV) ded Total Work Item		gesorkh T3 Unit	Main check d Unit Gost	55,8' 55,9' am Amount
Round	ded Total	Tang Quantity	gesorkh T3 Unit	Main check d Unit Cost (Rial)	55,99 am
Round	ded Total Work Item			Unit Cost	55,90 lam Amount (Rial)
Round I. Constru	ded Total Work Item ction Base Cost			Unit Cost	55,90 Amount (Rial) 44,60
I. Construction 1. Preparent	Work Item ction Base Cost aratory Works			Unit Cost	55,90 lam Amount (Rial)
I. Constru 1. Prepa (10%	Work Item ction Base Cost aratory Works of Item2)			Unit Cost	55,90 Amount (Rial) 44,60 4,05
I. Constru. 1. Prepa (10%) 2. Civil	Work Item ction Base Cost aratory Works of Item2)			Unit Cost	55,90 Amount (Rial) 44,60 40,54
I. Constru 1. Prepa (10% 2. Civil a.Exc	Work Item ction Base Cost aratory Works of Item2) Works cavation	Quantity	Unit	Unit Cost (Rial)	55,96 am
I. Constru 1. Prepa (10%) 2. Civil a.Exc	Work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil	Quantity	Unit	Unit Cost (Rial)	55,90 Amount (Rial) 44,60 40,54 98 0 98
I. Constru 1. Prepa (10%) 2. Civil a.Exc -G	Work Item ction Base Cost aratory Works of Item2) Works cavation	Quantity	Unit 140 cu m cu m	Unit Cost (Rial) 7,000 19,300	55,96 am
I. Constru 1. Prepa (10% 2. Civil a.Exc -G -W -Re b.Cor	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock	Quantity	Unit	Unit Cost (Rial)	55,96 am
I. Constru 1. Prepa (10%) 2. Civil a.Exc -G -W -Ro b.Cor -Pl	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock acrete lain Concrete	Quantity	140 cu m cu m cu m	7,000 19,300 24,900	55,96 Amount (Rial)
I. Construction 1. Prepare (10%) 2. Civil a.Excord -Government	Work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock acrete lain Concrete ubble Concrete	Quantity	140 cu m cu m cu m 47 cu m	7,000 19,300 24,900 81,900	55,96 Amount (Rial)
I. Construction 1. Prepare (10%) 2. Civil a. Excording - Grant - Report - Prepare (10%)	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock norete lain Concrete ubble Concrete /et Masonry	Quantity	140 cu m cu m cu m 47 cu m 100 sq m	7,000 19,300 24,900 109,200 81,900 36,400	55,96 Amount (Rial)
I. Construction 1. Prepare (10%) 2. Civil a. Excording - Grant - Prepare (10%) - Rrespondent - Prepare (10%) - Rrespondent - Prepare (10%) - Rrespondent - Prepare (10%)	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock norete lain Concrete ubble Concrete /et Masonry e Drainning Backfil	Quantity	140 cu m cu m cu m 47 cu m 100 sq m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	55,96 Jam
I. Construction 1. Prepare (10%) 2. Civil a.Excord - Green - Pleare - W. c.Freed.Bound	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock norete lain Concrete ubble Concrete /et Masonry e Drainning Backfil ulder Riprap	Quantity	140 cu m cu m cu m 47 cu m 100 sq m cu m 30 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	55,96 Amount (Rial)
I. Construi 1. Prepa (10% 2. Civil a.Exc -G -W -Rc b.Cor -Pl -Rc -W c.Fre d.Bou	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock norete lain Concrete ubble Concrete /et Masonry e Drainning Backfil ulder Riprap	Quantity	140 cu m cu m cu m 47 cu m 100 sq m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	55,96 Jam
I. Construi 1. Prepa (10% 2. Civil a. Exc -G -W -Re b.Cor -P! -Re c.Fre d.Bou	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock norete lain Concrete ubble Concrete /et Masonry e Drainning Backfil ulder Riprap norete Block ion bankment	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	55,96 Amount (Rial)
I. Construing 1. Preparent 1. P	work Item ction Base Cost aratory Works of Item2) Works avation ravel,Soil /eathered Rock ock ock ed Concrete lain Concrete ubble Concrete /et Masonry e Drainning Backfil ulder Riprap nerete Block ion bankment cellaneous	Quantity	140 cu m cu m cu m 47 cu m 100 sq m cu m 30 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 Jam
I. Construing 1. Preparent 1. P	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock norete lain Concrete ubble Concrete /et Masonry e Drainning Backfil ulder Riprap norete Block ion bankment	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 Amount (Rial)
I. Construing 1. Preparent 1. P	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock norete lain Concrete //et Masonry e Drainning Backfil ulder Riprap norete Block ion boankment cellaneous 0% of a to g)	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 Amount (Rial)
I. Construction of the con	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock norete lain Concrete //et Masonry e Drainning Backfil ulder Riprap norete Block ion boankment cellaneous 0% of a to g)	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 am
I. Construi 1. Prepa (10% 2. Civil a.Exc -G -W -Rc b.Cor -Pl -Ri -W c.Fre d.Bou e.Cor f.Gab g.Eml h.Mis (20	work Item ction Base Cost aratory Works of Item2) Works avation aravel,Soil /eathered Rock ock nerete lain Concrete /et Masonry e Drainning Backfil ulder Riprap nerete Block ion bankment cellaneous 0% of a to g) ation Cost of Total of Item I)	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 am
I. Construi 1. Prepa (10% 2. Civil a.Exc -G -W -Re b.Cor -P! -Re c.Fre d.Bou e.Cor f.Gab g.Eml h.Mis (20 II. Administr (5%	work Item ction Base Cost aratory Works of Item2) Works cavation aravel,Soil /eathered Rock ock ncrete lain Concrete /et Masonry e Drainning Backfil alder Riprap ncrete Block ion bankment ccellaneous 0% of a to g) ation Cost of Total of Item I) ng Cost	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 Amount (Rial)
I. Construing 1. Preparent 1. P	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock nerete lubble Concrete lubble Concrete /et Masonry e Drainning Backfil ulder Riprap nerete Block ion bankment ccellaneous 0% of a to g) ration Cost of Total of Item I) ing Cost of Item I)	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 am
I. Construction of the con	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock nerete lain Concrete ubble Concrete /et Masonry e Drainning Backfil ulder Riprap nerete Block ion bankment icellaneous 0% of a to g) ration Cost of Total of Item I) ng Cost of Item I) Contingency	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 am
I. Construction of the con	work Item ction Base Cost aratory Works of Item2) Works cavation ravel,Soil /eathered Rock ock nerete lubble Concrete lubble Concrete /et Masonry e Drainning Backfil ulder Riprap nerete Block ion bankment ccellaneous 0% of a to g) ration Cost of Total of Item I) ing Cost of Item I)	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 Amount (Rial)
I. Construction of the con	work Item ction Base Cost aratory Works of Item2) Works cavation revel,Soil reathered Rock ock nerete lain Concrete ret Masonry e Drainning Backfil ulder Riprap nerete Block ion bankment cellaneous 0% of a to g) ration Cost of Total of Item I) ng Cost of Item I) Contingency of I + II + III)	Quantity	140 cu m cu m cu m 112 cu m 47 cu m 100 sq m cu m 30 cu m cu m 165 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	55,96 Amount (Rial)

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Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Construction Base Cost	physippy I billion in realistic and hanning and	above by proposition of the state of		15,743,64
., 2011211 4011011 4400 0001				1,431,24
(10% of Item2)	proved that was grad and dealers of the Channel State and that and	***************************************		1,401,45
(1078 Of Remz)				
2. Civil Works	ra			14,312,40
a.Excavation	·····			658,00
-Gravel, Soil		94 cu m	7,000	658,00
-Weathered Rock		cu m	19,300	000,0
-Rock		cu m	24,900	
b.Concrete ————			21,000	7,052,50
-Plain Concrete		10 cu m	109,200	4,368,00
-Rubble Concrete		19 cu m	81,900	
and the second of the second o				1,556,10
-Wet Masonry		31 sq m	36,400	1,128,40
c.Free Drainning Backfil		cu m	30,700	
d.Boulder Riprap		30 cu m	15,600	468,00
e.Concrete Block		cu m	120,000	
f.Gabion	4	19 cu m	76,500	3,748,50
g.Embankment		cu m	25,000	
h.Miscellaneous		l.s.		2,385,40
(20% of a to g)				
. Administration Cost				787,1
(5% of Total of Item I)	1 4		and the second	
		-	the second second	
Engineering Cost				1,574,3
(10% of Item I)				
Dhysical Cautingons	11 11			2 621 0
Physical Contingency				3,621,0
(20% of I + II + III)		1		
. Total(I + II + III + IV)	<u> </u>			21,726,2
Rounded Total	1.0		* * * * * * * * * * * * * * * * * * * *	21,700,00
rounded rotti				22,100,00
	Т		Main check dam	
Work Item	Quantity	sorkh T5 Unit	Unit Cost	A
AAOUV Treiti	Quartity	Offic	OHIL OUSE	Amount
		· · · · · · · · · · · · · · · · · · ·	(Rial)	(Rial)
. Containability in and Cook				221,404,1
1. Preparatory Works				221,404,1
. Oblibility Dage Cost				221,404,1
1. Preparatory Works (10% of Item2)	······································			221,404,1 20,127,6
1. Preparatory Works (10% of Item2) 2. Civil Works				221,404,1 20,127,6 201,276,4
1. Preparatory Works (10% of Item2)				221,404,1 20,127,6 201,276,4
1. Preparatory Works (10% of Item2) 2. Civil Works				221,404,1 20,127,6 201,276,4 5,873,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation			(Rial)	221,404,1 20,127,6 201,276,4 5,873,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation ————————————————————————————————————		39 cu m	(Rial) 7,000 19,300	221,404,1 20,127,6 201,276,4 5,873,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation ————————————————————————————————————		39 cu m	(Rial) 7,000	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	85	39 cu m cu m	(Rial) 7,000 19,300 24,900	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete	85	39 cu m cu m cu m	7,000 19,300 24,900 109,200	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete	85 56 2	39 cu m cu m cu m 66 cu m	7,000 19,300 24,900 109,200 81,900	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry	85 56 2	39 cu m cu m cu m 66 cu m 18 cu m 70 sq m	7,000 19,300 24,900 109,200 81,900 36,400	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil	56 27 41	39 cu m cu m cu m 18 cu m 70 sq m cu m	(Rial) 7,000 19,300 24,900 109,200 81,900 36,400 30,700	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	56 27 41	39 cu m cu m cu m 66 cu m 18 cu m 70 sq m cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	56 2: 4:	39 cu m cu m cu m 66 cu m 18 cu m 70 sq m cu m 10 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	56 2: 4:	39 cu m cu m cu m 66 cu m 18 cu m 70 sq m cu m 10 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	56 2: 4:	39 cu m cu m cu m 66 cu m 18 cu m 70 sq m cu m 10 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	56 2: 4:	39 cu m cu m cu m 66 cu m 18 cu m 70 sq m cu m 10 cu m cu m 08 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,1 20,127,6 201,276,4 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0 33,546,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,1: 20,127,6: 201,276,4: 5,873,0: 5,873,0: 96,769,4: 61,807,2: 17,854,2: 17,108,0: 3,276,0: 61,812,0: 33,546,0:
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,1: 20,127,6: 201,276,4: 5,873,0: 5,873,0: 96,769,4: 61,807,2: 17,854,2: 17,108,0: 3,276,0: 61,812,0: 33,546,0:
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,11 20,127,64 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0 33,546,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,11 20,127,64 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0 33,546,0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,12 20,127,64 5,873,06 5,873,06 61,807,21 17,854,21 17,108,00 3,276,00 61,812,00 33,546,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) 1. Administration Cost (5% of Total of Item I) 1. Engineering Cost (10% of Item I)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,12 20,127,64 5,873,06 5,873,06 5,873,06 17,854,26 17,108,06 3,276,06 61,812,06 33,546,06
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) 1. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I) 7. Physical Contingency	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,12 20,127,64 201,276,48 5,873,00 5,873,00 96,769,40 61,807,20 17,854,20 17,108,00 3,276,00 61,812,00 33,546,00
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,12 20,127,64 5,873,06 5,873,06 5,873,06 17,854,26 17,108,06 3,276,06 61,812,06 33,546,06
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) 7. Physical Contingency (20% of I + II + III)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,12 20,127,64 201,276,48 5,873,00 5,873,00 96,769,44 61,807,20 17,854,20 17,108,00 3,276,00 61,812,00 33,546,00 11,070,20 22,140,4
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Plain Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) 1. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I) 7. Physical Contingency (20% of I + II + III)	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,404,11 20,127,64 5,873,0 5,873,0 5,873,0 96,769,4 61,807,2 17,854,2 17,108,0 3,276,0 61,812,0 33,546,0 11,070,2 22,140,4 50,922,9
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) II. Engineering Cost (10% of Item I) V. Physical Contingency	56 2: 4:	39 cu m cu m cu m 18 cu m 70 sq m cu m 10 cu m cu m 20 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	221,4 20,1 201,2 5,8 5,8 96,7 61,8 17,1 3,2 61,8 33,5 11,0

Tangesorkh	3.1	Main check dam
Langesorkii	1 (3	iviam check dam

	Tangesorkh	76 Main check dan	n ·
Work Item	Quantity Uni	Unit Cost (Rial)	Amount (Rial)
. Construction Base Co	st ****		95,709,63
1. Preparatory Works	The state of the s		8,700,87
(10% of Item2)	The 2 to a sound to the transmission of the state of the		0,100,61
(10 % Of Reinz)		<i>2</i>	
2. Civil Works		**************************************	87,008,76
a Excavation			2,198,00
-Gravel,Soil	314 cu 1		2,198,00
-Weathered Rock			2,130,00
	cu i		
-Rock	cu i		20 000 00
b.Concrete			00,000,0
-Plain Concrete	240 cu 1	,	26,208,00
-Rubble Concrete	78 cu 1	n 81,900	6,388,20
-Wet Masonry	. 199 sq r	n 36,400	7,243,66
c.Free Drainning Back	tfil cu i	n 30,700	•
d.Boulder Riprap	75 cu i	n 15,600	1,170,00
e.Concrete Block	cu i		-,,
f.Gabion	383 cu i	-	29,299,50
			23,233,30
g.Embankment	cu r		
h.Miscellaneous	l.s	i.	14,501,40
(20% of a to g)		•	
	Programme and the second		
. Administration Cost			4,785,4
(5% of Total of Iter	m I)	9	
		the second second	
TELIBRITOON N.O. GOOG			. 9,570,9
(10% of Item I)		•	the state of the state of
,		4 - 6	00.010.0
. , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			22,013,2
(20% of I+Ⅱ+Ⅲ)		•	
		 	
		•	
. Total(I+II+II+IV) Rounded Total	Tangesorkh Check	Dam Total	132,079,29 132,100,00
	Tangesorkh Check Quantity Uni		
Rounded Total			132,100,00
Rounded Total	Quantity Uni	t Unit Cost (Rial)	132,100,0 Amount (Rial)
Rounded Total Work Item	Quantity Uni	t Unit Cost	132,100,0 Amount (Rial)
Rounded Total Work Item	Quantity Uni	t Unit Cost (Rial)	132,100,0 Amount (Rial) 1,476,960,5
Rounded Total Work Item Construction Base Co Preparatory Works	Quantity Uni	t Unit Cost (Rial)	132,100,0 Amount (Rial) 1,476,960,5
Rounded Total Work Item Construction Base Co	Quantity Uni	t Unit Cost (Rial)	132,100,0 Amount (Rial) 1,476,960,5
Rounded Total Work Item Construction Base Co Preparatory Works	Quantity Uni	t Unit Cost (Rial)	132,100,0 Amount (Rial) 1,476,960,5 134,269,1
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works	Quantity Uni	t Unit Cost (Rial)	Amount (Rial) - 1,476,960,5 - 134,269,1 - 1,342,691,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation	Quantity Uni	t Unit Cost (Rial)	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil	Quantity Uni	t Unit Cost (Rial)	Amount (Rial) - 1,476,960,5 - 134,269,1 - 1,342,691,4 - 69,270,0 - 23,821,0
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	Quantity Uni st 3,403 cu ii 1,106 cu ii	t Unit Cost (Rial) n 7,000 n 19,300	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	Quantity Uni	t Unit Cost (Rial) n 7,000 n 19,300	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	Quantity Uni st 3,403 cu r 1,106 cu r 968 cu r	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete	3,403 cu r 1,106 cu r 968 cu r	n 7,000 n 19,300 n 24,900 n 109,200	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	3,403 cu r 1,106 cu r 968 cu r	n 7,000 n 19,300 n 24,900 n 109,200	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete	3,403 cu r 1,106 cu r 968 cu r	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 6fil cu ii 1,155 cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 6fil cu ii 1,155 cu ii 135 cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 6fil cu ii 1,155 cu ii 135 cu ii 3,627 cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 2,536 sq ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4 18,018,00 16,200,0 277,465,56
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 6fil cu ii 1,155 cu ii 135 cu ii 3,627 cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4 18,018,00 16,200,0 277,465,56
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 2,536 sq ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	132,100,0 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,0 23,821,0 21,345,8 24,103,2 618,436,0 295,495,2 230,630,4 92,310,4 18,018,00 16,200,0 277,465,5
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 2,536 sq ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	132,100,00 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,8 24,103,20 618,436,00 295,495,20 230,630,40 92,310,40 18,018,00 16,200,00 277,465,50
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 2,536 sq ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	132,100,00 Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,8 24,103,20 618,436,00 295,495,20 230,630,40 92,310,40 18,018,00 16,200,00 277,465,50
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g)	3,403 cu ii 1,106 cu ii 968 cu ii 2,706 cu ii 2,816 cu ii 2,536 sq ii 2,536 sq ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	132,100,00 Armount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,80 24,103,20 618,436,00 295,495,20 230,630,44 92,310,40 18,018,00 16,200,00 277,465,50 119,520,00 223,781,90
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	132,100,00 Armount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,80 24,103,20 618,436,00 295,495,20 230,630,44 92,310,40 18,018,00 16,200,00 277,465,50 119,520,00 223,781,90
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g)	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	132,100,00 Amount (Rial) 1,476,960,5- 134,269,1- 1,342,691,4- 69,270,00 23,821,00 21,345,80 24,103,20 618,436,00 295,495,20 230,630,44 92,310,40 18,018,00 16,200,00 277,465,50
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost —(5% of Total of Iter	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,8 24,103,2 618,436,00 295,495,2 230,630,4 92,310,4 18,018,00 16,200,00 277,465,50 119,520,00 223,781,96
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Iter	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,8 24,103,2 618,436,00 295,495,2 230,630,4 92,310,4 18,018,00 16,200,00 277,465,50 119,520,00 223,781,96
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost —(5% of Total of Iter	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,46 69,270,06 23,821,06 21,345,86 24,103,26 618,436,06 295,495,26 230,630,46 92,310,46 18,018,00 16,200,06 277,465,56 119,520,06 223,781,96
Work Item Construction Base Co Preparatory Works (10% of Item2) Civil Works a.Excavation Gravel,Soil Weathered Rock Rock b.Concrete Plain Concrete Rubble Concrete Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Iter Engineering Cost (10% of Item I)	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5- 134,269,1- 1,342,691,4- 69,270,00 23,821,00 21,345,80 24,103,20 618,436,00 295,495,20 230,630,44 92,310,40 18,018,00 16,200,00 277,465,50 119,520,00 223,781,90 73,848,03
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item Engineering Cost (10% of Item I)	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,80 24,103,26 618,436,00 295,495,20 230,630,44 92,310,44 18,018,00 16,200,00 277,465,50 119,520,00 223,781,96 73,848,03
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Iter Engineering Cost (10% of Item I)	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,80 24,103,26 618,436,00 295,495,20 230,630,44 92,310,44 18,018,00 16,200,00 277,465,50 119,520,00 223,781,96 73,848,03
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5- 134,269,14- 1,342,691,46- 69,270,06 23,821,06 21,345,86 24,103,26 618,436,06 295,495,26 230,630,46 92,310,46 18,018,06 16,200,06 277,465,56 119,520,06 223,781,96 73,848,02
Work Item Construction Base Co 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Back d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Road Relocation i.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item Engineering Cost (10% of Item I)	Quantity Unit 1,106 cu ii 2,816 cu ii 2,536 sq ii cu ii 1,155 cu ii 135 cu ii 3,627 cu ii cu ii 1 l.s	t Unit Cost (Rial) n 7,000 n 19,300 n 24,900 n 109,200 n 81,900 n 36,400 n 30,700 n 15,600 n 120,000 n 76,500 n 25,000 i. 119,520,000	Amount (Rial) 1,476,960,5 134,269,1 1,342,691,4 69,270,00 23,821,00 21,345,80 24,103,20 618,436,00 295,495,20 230,630,44 92,310,40 18,018,00 16,200,00 277,465,50 119,520,00 223,781,90 73,848,00

Tangesorkh Check Dam (P. Participation)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
1. Construction Bugo Cost				190,080,000 17,280,000
2. Civil Works a.Excavation		>>++++++++++++++++++++++++++++++++++++		172,800,000 6,300,000
-Gravel,Soil -Weathered Rock -Rock b. Concrete	900	cu m cu m cu m	7,000 19,300 24,900	6,300,000 0 0
-Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil		cu m cu m sq m cu m	109,200 81,900 36,400 30,700	0
d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	1,800	cu m cu m cu m	15,600 120,000 76,500 25,000	0 0 137,700,000
h.Miscellaneous (20% of a to g)		l.s.	20,000	28,800,000
II. Administration Cost (5% of Total of Item I)				9,504,000
III .Engineering Cost				0
IV. Physical Contingency (20% of I + II + III)				39,916,800
V. Total (I + II + III + IV) Rounded Total				239,500,800 239,500,000

Table L-8-1-5 Disaster Prevention Facility for Zeras

Zeras T1 Main check dam

Work Item				
	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Construction Barrier	programme - 0,220 cm - 100 cm pt (100 Table 100 cm pt (100 Table 100 cm pt (100 Table 100 Table 100 Table 1			ייטע איטע טאיט
. Construction Base Cost				. 242,024,904
1. Preparatory Works	*******************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		22,002,264
(10% of Item2)	200			
2. Civil Works			;	- 220,022,640
a.Excavation			********************************	9,100,000
-Gravel, Soil) cu m	7,000	9,100,000
-Weathered Rock	.,	cu m	19,300	0,200,000
-Rock		cu m	24,900	č
b.Concrete		- Cu III	. 41,000	99,663,200
-Plain Concrete	541	6 cu m	109,200	59,623,200
-Rubble Concrete		2 cu m	81,900	22,276,800
-Wet Masonry		s ca m	36,400	17,763,200
c.Free Drainning Backfil	400	cu m	30,700	11,100,200
d.Boulder Riprap	260	cu m	15,600	4,056,000
e.Concrete Block	200	cu m	120,000	4,000,000
f.Gabion	ດວາ	cu m	76,500	70,533,000
g.Embankment	922	cu m	25,000	10,033,000
h.Miscellaneous		l.s.	20,000	36,670,440
		. 1.5.		30,010,440
(20% of a to g)				•
I. Administration Cost				12,101,246
(5% of Total of Item I)				12,101,21
(0)0 of folds of Rent 1)				
I Engineering Cost	ME			24,202,490
(10% of Item I)				the second of
		1.3	4.4	
V. Physical Contingency	***************************************	***************************************	***************************************	55,665,728
(20% of I + II + III)		1. 1.		
7. Total(I + II + III + IV)				333,994,368
Rounded Total				334,000,000
Rounded Total				334,000,000
		Τ0	Main al1- 1	
		s T2	Main check dam	
Work Item	Quantity	Unit	Unit Cost	Amount
			/n!i\	" /n: i)
······································		····	(Rial)	(Rial)
Construction Baca Cost			(Rial)	
. Construction Base Cost			(Rial)	120,256,884
1. Preparatory Works	***************************************		(Rial)	120,256,884
			(Rial)	120,256,884
1. Preparatory Works ————————————————————————————————————			(Rial)	120,256,884 10,932,444
Preparatory Works ——— (10% of Item2) Civil Works ————			(Rial)	120,256,884 10,932,444 - 109,324,440
Preparatory Works (10% of Item2) Civil Works a. Excavation		cu m		120,256,884 10,932,444 109,324,440 4,501,000
Preparatory Works (10% of Item2) 2. Civil Works a.Excavation		3 cu m	7,000	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock		cu m	7,000 19,300	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock			7,000	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete	643	cu m	7,000 19,300 24,900	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000 0 0 23,632,700
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete	643	cu m cu m	7,000 19,300 24,900 109,200	120,256,884 10,932,444 109,324,444 4,501,000 4,501,000 0 23,632,700 9,172,800
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete	643 84 129	cu m cu m	7,000 19,300 24,900 109,200 81,900	120,256,884 10,932,444 109,324,444 4,501,000 4,501,000 0 23,632,700 9,172,800 10,565,100
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry	643 84 129	cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	84 129 107	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700	120,256,884 10,932,444 109,324,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	84 129 107	cu m cu m 4 cu m 9 cu m 7 sq m cu m 5 cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000 0 23,632,700 9,172,800 10,565,100 3,894,800
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	84 129 107 35	cu m cu m l cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	120,256,884 10,932,444 109,324,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	84 129 107 35	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 109,324,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Pree Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000 62,424,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	84 129 107 35	cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000 62,424,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Pree Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000 62,424,000
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000 62,424,000 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000 62,424,000 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 546,000 62,424,000 0
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 62,424,000 (18,220,740 6,012,844
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Plain Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 62,424,000 0 18,220,740 6,012,844
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000 0 23,632,700 9,172,800 10,565,100 3,894,800 0 62,424,000 0 18,220,740
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 4,501,000 4,501,000 23,632,700 9,172,800 10,565,100 3,894,800 62,424,000 0 62,424,000 0 18,220,740 6,012,844
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000 0 23,632,700 9,172,800 10,565,100 3,894,800 0 62,424,000 0 18,220,740 6,012,844
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000 0 23,632,700 9,172,800 10,565,100 3,894,800 0 62,424,000 0 18,220,740 6,012,844
1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) I. Administration Cost (5% of Total of Item I) I. Engineering Cost (10% of Item I)	84 129 107 35	cu m cu m 4 cu m 9 cu m 7 sq m cu m 6 cu m 6 cu m cu m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500	120,256,884 10,932,444 109,324,440 4,501,000 4,501,000

		Zeras T4	,	Main check dam		
	Work Item	Quantity Uni	it	Unit Cost (Rial)		Amount (Rial)
•		en (das elle en Admetios adens lettementament au elle enandre libra la mariera a Andrea d'esta ani		***************************************		
1.	Construction Base Cost 1. Preparatory Works	iri/stoceetiv/261 reeissu three-setterer/tocry betsuus/irst etci/-				23,05 2,09
	(10% of Item2)					2,0.
	2. Civil Works	gereuch in deus er reconstuns var bework un explore er eller et entre er herret		n der der de der der von de der verberer von der der der von Gereich der der der der von Gereich der der der d		20,96
	a.Excavation		**********	t and any familiant ordered by suite the name of numbers of my chi		94
	-Gravel, Soil	135 cu		7,000		. 94
	-Weathered Rock	cu :		19,300		
	-Rock b.Concrete	cu :	m	24,900) 	
	-Plain Concrete	cu	m	109,200)	
	-Rubble Concrete	cu		81,900		
	-Wet Masonry	sq	m	36,400		
	c.Free Drainning Backfil	cu	m	30,700		
	d Boulder Riprap	cu	m	15,600)	
	e.Concrete Block	cu	m	120,000) .	
	f.Gabion	216 cu	m	76,500)	16,52
	g.Embankment	cu	m	25,000) ;	
-	h.Miscellaneous	1.	s.			3,49
	(20% of a to g)	the first section of the section of				•
11	Administration Cost			~~~~~~		1,15
	(5% of Total of Item I)				* .	*,**
Ш	Engineering Cost			***************************************		2,30
	(10% of Item I)					
IV.	Physical Contingency			·····	avered.	5,30
	(20% of I + II + III)					1.
77	Total(I + II + III + IV)					31,82
٧.	Rounded Total		. 1.			31,80
	1001100					01,00
		Zeras T5	;	Main check dam		
	Work Item	Zeras T5 Quantity Uni		Main check dam Unit Cost		Amount
	Work Item					Amount (Rial)
				Unit Cost		(Rial)
Ι.	Construction Base Cost			Unit Cost		(Rial) 74,85
Ι.	Construction Base Cost 1. Preparatory Works			Unit Cost		(Rial) 74,85
Ι.	Construction Base Cost 1. Preparatory Works —— (10% of Item2)			Unit Cost		(Rial) 74,85 6,80
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works			Unit Cost		(Rial) 74,85 6,80
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation	Quantity Uni	t	Unit Cost (Rial)		(Rial) 74,85 6,80 68,04 2,75
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel, Soil	Quantity Uni	t m	Unit Cost (Rial)		(Rial) 74,85 6,80 68,04 2,75
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	Quantity Uni	t m	7,000 19,300) '	(Rial) 74,85 6,80
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	Quantity Uni	t m	Unit Cost (Rial)) '	(Rial) 74,85 6,80 68,04 2,75 2,75
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock	Quantity Uni	m m in	7,000 19,300)) 	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35
I.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete	393 cu cu cu 167 cu 113 cu	m m m m	7,000 19,300 24,900 81,900)) —)	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry	393 cu cu cu 167 cu 113 cu 161 sq	m m m m m	7,000 19,300 24,900 109,200 81,900 36,400)) —))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil	393 cu cu cu 167 cu 113 cu 161 sq cu	m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu	m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600)) —))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu	m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000)))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	393 cu cu cu 113 cu 161 sq cu 80 cu cu 253 cu	m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Rubble Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86
Ι.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86 1,24
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,76 2,78 33,38 18,25 9,25 5,86 1,24 19,38
	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86 1,24
П.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,25 9,25 5,86 1,24 19,35 11,34
П.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,25 9,25 5,86 1,24 19,35 11,34
П.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,25 9,25 5,86 1,24 19,35 11,34
п.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,25 9,25 5,86 1,24 19,36 3,74 7,46
п.	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,25 9,25 5,86 1,24 19,36 3,74 7,46
II. III	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Plain Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86 1,24 19,35 11,34 7,48
II. III	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock b.Concrete -Plain Concrete -Plain Concrete -Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III) Total(I + II + III + IV)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86 1,24 19,35 11,34 7,46 17,21
II. III	Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Plain Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency (20% of I + II + III)	393 cu cu cu 167 cu 113 cu 161 sq cu 80 cu cu 253 cu cu	m m m m m m m m m m m m m m	7,000 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500)) —))))))	(Rial) 74,85 6,80 68,04 2,75 2,75 33,35 18,23 9,25 5,86 1,24 19,35 11,34 7,48

	Zeras T6	Main check dam	
Work Item	Quantity Unit	Unit Cost (Rial)	Amount (Rial)
I. Construction Base Cost	had decreased and order places you used a character consequence on the child places and the decreased by special	herennely-drive blood grant grant grant grant between grant grant grant grant grant grant grant grant grant gr	29,420,82
1. Preparatory Works(10% of Item2)	interior de deserta (eiro, en di deser de deserva de de deserva de deserva de deserva de deserva de deserva d	, phonology and to death of the along processor records and the processor.	2,674,62
2. Civil Works			00 740 00
a. Excavation			26,746,20 945,00
-Gravel, Soil	135 cu m	7,000	945,00
-Weathered Rock	cu m	19,300	3 10,00
-Rock	cu m	24,900	A contract of
b.Concrete			
-Plain Concrete	cu m	109,200	
-Rubble Concrete	cu m	81,900	
-Wet Masonry	sq m	36,400	
c.Free Drainning Backfil	cu m	30,700	
d.Boulder Riprap	cu m	15,600	
e.Concrete Block f.Gabion	cu m	120,000 76,500	01 040 50
g.Embankment	279 cu m	76,500 25,000	21,343,50
g.cmbankment h.Miscellaneous	cu m l.s.	20,000	4,457,70
(20% of a to g)	1.8.		4,401,10
· · · · · · · · · · · · · · · · · · ·		•	•
II. Administration Cost (5% of Total of Item 1)			1,471,04
III Engineering Cost			2,942,08
(10% of Item I)			2,542,00
IV. Physical Contingency (20% of I + II + III)		······································	6,766,78
V. Total(I + II + III + IV)			40,600,73
Rounded Total	Zeras Check Dam	Total	40,600,00
Work Item	Quantity Unit	Unit Cost (Rial)	Amount (Rial)
I. Construction Base Cost			489,612,28
1. Preparatory Works			44,510,20
(10% of ltem2)			
2. Civil Works		Print Citable Company of a continuous and a continuous described the co	445,102,08
a.Excavation	·		18,242,00
-Gravel,Soil	2,606 cu m	7,000	18,242,00
-Weathered Rock	cu m	19,300	
-Rock	cu m	24,900	
b.Concrete ———		100.000	156,647,40
-Plain Concrete	797 cu m	109,200	87,032,40
-Rubble Concrete	514 cu m	81,900	42,096,60
		36,400	27,518,40
-Wet Masonry	756 sq m		
c.Free Drainning Backfil	cu m	30,700	E 050 00
c.Free Drainning Backfil d.Boulder Riprap	cu m 375 cu m	30,700 15,600	5,850,00
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	cu m 375 cu m cu m	30,700 15,600 120,000	5,850,00
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	cu m 375 cu m cu m 2,486 cu m	30,700 15,600 120,000 76,500	5,850,00 190,179,00
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	cu m 375 cu m cu m 2,486 cu m cu m	30,700 15,600 120,000	5,850,00 190,179,00
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	cu m 375 cu m cu m 2,486 cu m	30,700 15,600 120,000 76,500	5,850,00 190,179,00
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	cu m 375 cu m cu m 2,486 cu m cu m	30,700 15,600 120,000 76,500	5,850,00 190,179,00 74,183,68
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	cu m 375 cu m cu m 2,486 cu m cu m	30,700 15,600 120,000 76,500	5,850,00 190,179,00
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I) III. Engineering Cost	cu m 375 cu m cu m 2,486 cu m cu m	30,700 15,600 120,000 76,500	5,850,00 190,179,00 74,183,68
c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) II. Administration Cost (5% of Total of Item I)	cu m 375 cu m cu m 2,486 cu m cu m	30,700 15,600 120,000 76,500	5,850,00 190,179,00 74,183,68 24,480,61

Zeras Check Dam (P. Participation)

		Zeras Check		The same of the sa		
	Work Item	Quantity	Unit	Unit Cost (Rial)		Amount (Rial)
T Co	nstruction Base Cost			() (),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		190,080,000
		*****				17,280,000
٨.	(10% of Item2)		******************		•	11,200,000
	· ·					* *
2.	Civil Works		· ······	***************************************	••	172,800,00
	a.Excavation		(4 p) pet pra derica 40 a000		•	6,300,00
	-Gravel, Soil		cu m	7,000		6,300,00
	-Weathered Rock		cu m	19,300		,,,,,,,,
	-Rock	* * * * * * * * * * * * * * * * * * *	cu m	24,900		
	b.Concrete				ri.	
	-Plain Concrete		cu m	109,200		
	-Rubble Concrete		cu m	81,900		
*	-Wet Masonry		4 4	36,400		
	c.Free Drainning Backfil		sq m	30,700		4
			cu m	· ·		
	d.Boulder Riprap		cu m	15,600		
	e.Concrete Block		cu m	120,000	.*	
	f.Gabion	1,800	cu m	76,500		137,700,00
	g.Embankment		cu m	25,000		
	h.Miscellaneous		l.s.			28,800,00
	(20% of a to g)				100	
						0.504.00
L Adr	ministration Cost					9,504,00
	(5% of Total of Item I)			•		
t E	gineering Cost					
r .Eng	gineering Cost			appropriate your course, sixteened well this work to Philadelian Procedure Prince	•	
Z Phy	ysical Contingency				-	39,916,80
, , , ,,,	(20% of I + II + III)	*				00,010,00
	al(I+II+III+IV)	<u> </u>		. ~		
	•					
	Work Item	Zeras Reloc	cation Unit	Unit Cost		Amount
	Work Item					Amount (Rial)
I Co			Unit	Unit Cost		(Rial)
	nstruction Base Cost	Quantity	Unit	Unit Cost	•	(Rial) 2,072,400,00
	nstruction Base Cost Preparatory Works ——	Quantity	Unit	Unit Cost	•	(Rial) 2,072,400,00
1.	nstruction Base Cost Preparatory Works —— (10% of Item2)	Quantity	Unit	Unit Cost		(Rial) 2,072,400,00
1.	nstruction Base Cost Preparatory Works —— (10% of Item2)	Quantity	Unit	Unit Cost (Rial)	~	(Rial) 2,072,400,00 188,400,00
1.	nstruction Base Cost Preparatory Works (10% of Item2) Civil Works	Quantity	Unit	Unit Cost (Rial)	~	(Rial) 2,072,400,00 188,400,00 1,884,000,00
1.	nstruction Base Cost Preparatory Works (10% of Item2) Civil Works	Quantity	Unit	Unit Cost (Rial)	-	(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	Preparatory Works (10% of Item2) Civil Works a.Excavation ————————————————————————————————————	Quantity	Unit	Unit Cost (Rial)	-	(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation -Gravel,Soil -Weathered Rock	Quantity	cu m	Unit Cost (Rial) 3,140 19,300	-	(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation -Gravel,Soil -Weathered Rock -Rock	Quantity	Unit	Unit Cost (Rial)	-	(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	Preparatory Works (10% of Item2) Civil Works a.Excavation ——Gravel,Soil —Weathered Rock b.Concrete	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	nstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock -Rock b.Concrete —Plain Concrete	Quantity	cu m cu m cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200	-	(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	nstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock -Rock b.Concrete —Plain Concrete —Rubble Concrete	Quantity	cu m cu m cu m cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	nstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry	Quantity	cu m cu m cu m cu m cu m cu m sq m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	Preparatory Works Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil	Quantity	cu m cu m cu m cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	Preparatory Works Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap	Quantity	cu m cu m cu m cu m cu m cu m sq m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00
1.	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1.	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1. 2.	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1.	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00
1. 2.	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00 314,000,00
1. 2.	enstruction Base Cost Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00 314,000,00
1. 2.	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00 314,000,00
I. Adı	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I) gineering Cost (10% of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00 1,570,000,00 207,240,00
I. Adı	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I) gineering Cost (10% of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,00 188,400,00 1,884,000,00 1,570,000,00 1,570,000,00 1,570,000,00 207,240,00
I. Adı	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I) gineering Cost (10% of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		(Rial) 2,072,400,000 188,400,000 1,884,000,000 1,570,000,000 1,570,000,000 1,570,000,000 207,240,000
I. Adı I. Adı II. Eng	Preparatory Works (10% of Item2) Civil Works a.Excavation —Gravel,Soil —Weathered Rock —Rock b.Concrete —Plain Concrete —Rubble Concrete —Wet Masonry c.Free Drainning Backfil d.Boulder Riprap e.Concrete Block f.Gabion g.Embankment h.Miscellaneous (20% of a to g) ministration Cost (5% of Total of Item I) gineering Cost (10% of Item I)	Quantity	cu m	Unit Cost (Rial) 3,140 19,300 24,900 109,200 81,900 36,400 30,700 15,600 120,000 76,500		

Zeras Land Slide Protection

Work Item	Quantity	Unit	Unit Cost (Rial)	nount Rial)
I. Construction Base Cost	***************************************	Spipus Pada 180 dilai akrepuntaya kirist	·	43,798,920
1. Preparatory Works	********		**************************************	3,981,720
(10% of Item2)			•	
2. Civil Works		enggert tit tot brough change point to		39,817,200
a.Excavation			-	3,220,000
-Gravel, Soil		cu m	7,000	3,220,000
-Weathered Rock		cu m	19,300	(
-Rock		cu m	24,900	(
b.Concrete				20,475,000
-Plain Concrete		cu m	109,200	- (
-Rubble Concrete	250	cu m	81,900	20,475,000
-Wet Masonry		sq m	36,400	(
c.Free Drainning Backfil	1 1	cu m	30,700	(
d.Boulder Riprap	•	cu m	15,600	4
e.Concrete Block	the second of the second	cu m	120,000	. (
f.Gabion	124	cu m	76,500	9,486,00
g.Embankment		cu m	25,000	1
h.Miscellaneous	·	l.s,		 6,636,200
(20% of a to g)				
I. Administration Cost		····		2,189,940
(5% of Total of Item I)))		•	2,100,21
II Engineering Cost				4,379,89
(10% of Item I)			•	
V. Physical Contingency				 10,073,75
(20% of I + II + III)				10,010,10
V. Total(I+Ⅱ+Ⅲ+Ⅳ)				 60,442,51
Rounded Total				60,400,00

Table L-8-1-6 Summary for Disaster Prevention Facility (unit: million rials) Project Type M/P Area Facility Location **Description of Facility** Project Cost Vastegan Public Works Main check dam TM 1,603.7 Type A; 3Nos, Type C; 4Nos T1 374.8 Type C; 6Nos 552.2 T2 Type C; 5Nos 400.0 13 Type C; 4Nos 2,930.7 Main check dam - Total River Treatment TM Dike (Embankment), H = 2.0 m, L = 6.3 km8,720.7 Public Works - Total 14,582.1 P. Participation Check Dam T2, T3 Type D: 10Nos 495.2 15,077.3 Vastegan Total Chaman-Public Works Main check dam T1 Type C; 3Nos 191.1 Goli Bazoft T2 2,077.7 Type A; 1No, Type B; 1No, Type C; 11Nos, Type D; 3Nos Т3 348.3 Type C; 3Nos **T**4 48.1 Type C; 1No T5 48.1 Type C: 1No 2,713.3 Main check dam - Total 1,300.5 River Treatment T2 Ground sill; 2Nos, Spur Dikes (L=250m) Landslide Protection 6 Sites 17,100 m² 246.3 Rockfall Protection Kachooz 99.7 Public Works - Total 8,720.7 P. Participation | Check | Dam Type D; 14Nos 558.8 Riverbank Protection Right Bank of Bazoft, near Feriak (L=500m) 1,189.1 1,747.9 P. Participation - Total 10,468.6 Chaman-Goli Bazoft - Total Sarbaz Public Works Main check dam TM Type B; 1No, Type C; 13 Nos, 1,880.5 T1 1,053.6 Type C; 10 Nos 72 Type C; 6 Nos 560.3 T3 408.0 Type C; 4 Nos Main check dam - Total 3,902.4 9 Sites 223,600 m² Landslide Protection 1,074.8 Public Works - Total 4,977.2 P. Participation Check Dam TM Type D; 12 Nos 594.3 River Treatment TM Lower Reaches of Lee Sorkh River (L=5.5 km) 5,370.6 P. Participation - Total 5,964.9 10,942.1 Sarbaz - Total Public Works Tangsorkh Main check dam TM Type B; 1No, Type C; 8 Nos, 1,434.7 T1 26.7 Type C; 1No T2 55.9 Type C; 1No T3 61.6 Type C; 1No T4 21.7 Type C: 1No T5 305.5 Type C; 5 Nos T6 Type C; 2 Nos 132.1 2,038.2 Main check dam - Total P. Participation Check Dam ТМ, ТЗ 239.5 Type D; 6 Nos Tangsorkh - Total 2,277.7 Zeras Public Works Main check dam T1 Type C; 7 Nos, Type D; 1No 334.0 T2 166.0 Type C; 1No, Type D; 3Nos T4 31.8 Type D; 1No Τ5 103.3 Type C; 2 Nos Τ6 Type D; 1No 40.6 675.7 Main check dam - Total Landslide Protection 4 Sites 4.200 m^2 60.4 Resettlement 2 Areas Bardkal, Lir Siya Shapouri & Zeras 2,859.9 Public Works - Total 3,596.0 P. Participation Check Dam 239.5 T1-3, T4, T6 Type D; 6 Nos Zeras - Total 3,835.5

	Vastegan-Construction Cos Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ι.	Construction Base Cost 1. Preparately Works (10 % of Item2)				13,190,562 1,199,142
	2. Civil Works a.Fence b.Grass seed c.Plain concrete d.Reinforced Bar	800 28 20 1,38	sq.m kg cu.m ton	1,200 1,300 109,200 4,221,500	11,991,420 960,000 36,400 2,145,780 5,825,670
	e.PVC pipe φ 13 f.Miscellaneous (20 % of a to e)	1,250	m l.s.	820	1,025,000 1,998,570
1.	Administration Cost (5% of Total of Item I)				659,52
П	Engineering Cost (10% of Item I)				659,528
V.	Physical Contingency (20% of I+II+III)		\ \ :		2,901,924
Ι.	Total (I +II + III + IV) Rounded Total				11,991,42 12,000,00
Ch	aman Goli-Bazoft-Constructio	n Cost (See	d Produ	ıction Plot. Water Point	s for Livestocl
_	Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
	Construction Base Cost 1. Preparately Works (10 % of Item2)				12,974,08 1,179,46
	2. Civil Works a.Fence b.Grass seed	800 28	•	1,200 1,300	11,794,62 960,00 36,40

	Work Item	Qua	ntity	Unit	Unit Cost (Rial)	Amount (Rial)
Ι.	Construction Base Cost 1. Preparately Works (10 % of Item2)					12,974,082 1,179,462
	2. Civil Works a.Fence b.Grass seed c.Plain concrete d.Reinforced Bar e.PVC pipe φ 13 f.Miscellaneous (20 % of a to e)		800 28 20 1.38 1,050	sq.m kg cu.m ton m l.s.	1,200 1,300 109,200 4,221,500 820	11,794,620 960,000 36,400 2,145,780 5,825,670 861,000 1,965,770
п.	Administration Cost (5% of Total of Item I)				648,704
Ш	Engineering Cost (10% of Item I)					648,704
IV.	Physical Contingency (20% of I+II+III)					2,854,298
Ī.	Total (I +II + III + IV) Rounded Total					11,794,620 11,800,000

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	
I . Construction Base Cost 1. Preparately Works (10 % of Item2)			· .	18,105,556 1,645,960	
 Civil Works a.Fence b.Grass seed c.Plain concrete d.Reinforced Bar e.PVC pipe φ 13 f.Miscellaneous (20 % of a to e) 	28	sq.in kg cu.m ton m l.s.	1,200 1,300 109,200 4,221,500 820	16,459,596 960,000 36,400 2,839,200 7,683,130 2,197,600 2,743,266	
II . Administration Cost (5% of Total of Item I)				905,278	
I Engineering Cost (10% of Item I)				905,278	
V. Physical Contingency (20% of I+II+III)		•		3,983,222	
I . Total (I +II + III + IV) Rounded Total				16,459,596 16,500,000	

Work Item	Quantity	y Unit	Unit Cost (Rial)	Amoi (Ria	
I. Construction Base Cost 1. Preparately Works (10 % of Item2)		1			9,180,026 834,548
 Civil Works a. Fence b. Grass seed c. Plain concrete d. Reinforced Bar e. PVC pipe φ 13 f. Miscellaneous (20 % of a to e) 		800 sq.m 28 kg 13 cu.m 0.91 ton 850 m l.s.	1,200 1,300 109,200 4,221,500 820		8,345,478 960,000 36,400 1,419,600 3,841,565 697,000 1,390,913
II. Administration Cost (5% of Total of Item I)					459,001
III Engineering Cost (10% of Item I)	·				459,001
IV. Physical Contingency (20% of I+II+III)	· .				2,019,606
II. Total (I +II + III + IV) Rounded Total					8,345,478 8,300,000

Zeras-Construction Cost	فالتحديث والمناوات والمحادث والمار والمحادث والمروان		Name and Address of the Owner, which the Parket of the Owner, which the Parket of the Owner, which the Owner,	
Work Item	Quantity		nit Cost (Rial)	Amount (Rial)
Construction Base Cost Preparately Works (10 % of Item2)				12,318,636 1,119,876
 Civil Works a.Plain concrete b.Reinforced Bar c.PVC pipe φ 13 d.Miscellaneous (20 % of a to c) 	20 1.40 1,510	cu.m ton m l.s.	109,200 4,221,500 820	11,198,760 2,184,000 5,910,100 1,238,200 1,866,460
II. Administration Cost (5% of Total of Item I)				615,932
III Engineering Cost (10% of Item I)				615,932
IV. Physical Contingency (20% of I+II+III)				2,710,100
II. Total (I +II + III + IV) Rounded Total			**************************************	11,198,760 11,200,000

Table L-8-3 Orchard Terracing (Vastegan)

Project Cost of Orchard Terrace

	Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	Remarks
I.	Construction Base Cost	·		*	864,054,695	
٠.	1. Preparatory Works				78,550,427	
	(10% of Item 2) 2. Civil Works			1	710° 701 860	
	a. Excavation				785,504,268	
	a. Excavation - Gravel, Soil	37,852	3	7,000	264.064.000	
	b. Concrete	37,832	m .	7,000	264,964,000	
	- Concrete	646.5	3	109,200	70,597,800	
	- Reinforce	45.26		4,221,500	191,065,090	
	c. Distribution Ditch	43.20		4,221,300	191,003,090	
•	- Gravel	2,800	m ³	27,500	77,000,000	
٠.	- Vinyl sheet	14,000		1,000	14,000,000	
	d. Nursery	1,,000		1,000	14,000,000	
	- Apple trees	16,800	trees	2,000	33,600,000	
	- Planting		ha	80,000	3,360,000	
	e. Miscellaneous	4				
	(20% of a. & d.)		. 1	.S.	130,917,378	
II.	Administration Cost				43,202,735	
	(5% of Total of Item I)					
			1	10 30		
ш,	Engineering Cost		500		0	
	(0% of Total of Item I)		2			
IV.	,			1 - 1 2 - 2	181,451,486	
	(20% of I+II+III)					
Tota	al (I+II+III+IV)				1,088,708,916	
	Rounded Total				1,088,709,000	

Table L-8-4 Soil Erosion Protection (Chaman Goli-Bazoft, Sarbaz, Tangsorkh, Zeras)

Project Cost of Soil Erosion Protection Project (Chaman Goli-Bazoft)

 Profect Area
 798 ha

 Contour Space
 25 m

 Contour Length
 319,200 m

Work Item	Quantity Unit Unit Cost (Rial)	Amount (Rial)	Remarks
I. Construction Base Cost 1. Preparatory Works		695,217,600 63,201,600	
(10% of Item 2) 2. Civil Works a. Contour Bund (0.30m2 H 0.4m Type)		632,016,000	
- Gravel, Soil	319,200 m 1,650	526,680,000	
c. Miscellaneous (20% of a)	l.s.	105,336,000	
II. Administration Cost (5% of Total of Item I)		34,760,880	
III. Engineering Cost		0	
(0% of Total of Item I)			
IV. Physical Contengency (20% of I+II+III)		145,995,696	
Total (I+II+III+IV) Rounded Total		875,974,176 875,974,000	

Project Cost of Soil Erosion Protection Project (Sarbaz)

 Profect Area
 162 ha

 Contour Space
 20 m

 Contour Length
 81,000 m

	Work Item		Quantity	Unit U	nit Cost (Rial)	Amount (Rial)	Remarks
I.	Construction Base Cost 1. Preparatory Works				·	176,418,000 16,038,000	
	(10% of Item 2) 2. Civil Works a. Contour Bund (0.30)	m ² H 0.4m Type)				160,380,000	
	- Gravel, Soil c. Miscellaneous		81,00	00 m	1,650	133,650,000	
	(20% of a)			l.s.		26,730,000	
П	Administration Cost (5% of Total of Item I)					8,820,900	
III.	Engineering Cost (0% of Total of Item I)		:			U	
IV.	Physical Contengency ——— (20% of I+II+III)					37,047,780	
Total	(I+II+III+IV) Rounded Total					222,286,680 222,287,000	

Project Cost of Soil Erosion Protection Project (Tangsorkh)

Profect Area		44	ha
Contour Space	•	20	m
Contour Length		22,000	m

Work Item	Quantity Unit Unit Cost (Rial)	Amount (Rial)	Remarks
I. Construction Base Cost 1. Preparatory Works (10% of Item 2)		47,916,000 4,356,000	
2. Civil Works		43,560,000	
 a. Contour Bund (0.30m² H 0.4m Type) - Gravel, Soil c. Miscellaneous 	22,000 m 1,650	36,300,000	
c. Miscellaneous (20% of a)	1.s.	7,260,000	
II. Administration Cost		2,395,800	
(5% of Total of Item I)			
III. Engineering Cost (0% of Total of Item I)			
IV. Physical Contengency (20% of I+II+III)		10,062,360	
Total (I+II+III+IV) Rounded Total		60,374,160 60,374,000	

Project Cost of Soil Erosion Protection Project (Zeras)

Profect Area	 		1724 ha
Contour Space	 	· ' · · · · '	20 m
Contour Length		**	862,000 m

			e e ffe a	<u> </u>	
	Work Item	Quantity U	Init Unit Cost (Rial)	Amount (Rial)	Remarks
7	C	er i kud			
1.	Construction Base Cost 1. Preparatory Works		· · · · · · · · · · · · · · · · · · ·	1,877,436,000 170,676,000	
	(10% of Item 2)			170,070,000	
	2. Civil Works			1,706,760,000	
	a. Contour Bund (0.30m ² H 0.4m Type)	•		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	- Gravel, Soil	862,000 m	1,650	1,422,300,000	
	c. Miscellaneous				
	(20% of a)		l.s.	284,460,000	
11.	Administration Cost			93,871,800	
	(5% of Total of Item I)				
III.	Engineering Cost		· .	. 0	
****	(0% of Total of Item I)				
	(272 12 23/11 23 21/11 37		4		
IV.	Physical Contengency			- 394,261,560	
	(20% of I+II+III)				
Tota	I (I+II+III+IV)			2,365,569,360	
	Rounded Total			2,365,569,000	
	and the second s			and the second second	and the second s

Project Cost of Gully Protection (Chaman Goli-Bazoft)

Work Item		Qu	antity Unit	Unit Cost (Rial)	Amount (Rial)	Remarks
	,		**************************************	(Itlat)	(Kiai)	
Construction Base Cost					44,053,680	
Preparatory Works	:				4,004,880	•
(10% of Item 2)					,,,,	
2. Civil Works					40,048,800	
a. Check dam		1.	•			4.
- Rock			653 m ³	48,000		$\frac{1}{100}$ dam x 75 = 653 m ³
- Litter			203 m ³	10,000	2,030,000 2.7m	$^{3}/\text{dam x 75} = 203 \text{ m}^{3}$
b. Miscellaneous					6.674.000	•
(20% of a)				l.s.	6,674,800	
Administration Cost					2,202,684	
(5% of Total of Item I)						
						•
. Engineering Cost		~~~~			4,405,368	•
(10% of Total of Item I)	1.5				*	
71	13.5		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
. Physical Contengency (20% of I+II+III)					10,132,346	
tal (I+II+III+IV)					60,794,078	
Rounded Total					60,794,000	
					55,,000	

Project Cost of Gully Protection (Zeras)

Profect Area = 293 ha (Farmland 5-13%, 13-20% slope area)

Gully length = 2,800m (Slope: 5-13%) Spacing = 30m Check dams = 93 dams

Gully length = 7,850m (Slope: 13-20%) Spacing = 20m Check dams = 393 dams

Total check dams = 486 dame

Total check dams = 486 dams

	Work Item		Quantity Unit	Unit Cost (Rial)	Amount Remarks (Rial)
I.	Construction Base Cost 1. Preparatory Works				285,204,480 25,927,680
	(10% of Item 2) 2. Civil Works				259,276,800
	a. Check dam - Rock - Litter		4,228 m ³ 1,312 m ³	48,000 10,000	202,944,000 8.7m ³ /dam x 486dams = 4,228 ₁ 13,120,000 2.7m ³ /dam x 486 = 1,312m ³
	b. Miscellaneous (20% of a)			l.s.	43,212,800
11.	Administration Cost (5% of Total of Item I)				14,260,224
111.	Engineering Cost - (10% of Total of Item f)	***************************************			28,520,448
IV.	Physical Contengency			······································	65,597,030
Tota	(20% of I+II+III) I (I+II+III+IV)				393,582,182
	Rounded Total	4.5			393,582,000

Table L-8-5-1 Community Development for Vastegan

Vastegan-Groundwater Monitoring System

	Work Item	Quantity		Unit	Unit Cost (Ríal)	Amount (Rial)
Ι.	Construction Base Cost					1,852,229,280
	1. Preparatory Works				•	168,384,480
	(10% of Item2)					100,00 1,100
٠.	2. Construction of Well					1 602 044 00/
	a. Drilling of Well		240	m	1,080,000	1,683,844,80 259,200,00
	b. Installation of Riser		240	m	1,287,000	308,880,00
	c. Installation of Screen Pipe		4	nos.	123,200,000	492,800,00
	d. Installation of Casing		24	m	1,322,000	31,728,00
	e. Finishing of Well		4	nos.	27,600,000	110,400,00
	f. Test		. 4	nos.	19,687,000	78,748,00
	g. Water Level Gauge		. 4	nos.	362,000	1,448,00
	h. Computer & Printer		1	nos.	80,000,000	80,000,00
	i. Softwares		1	L.S.	40,000,000	40,000,00
	j. Miscellaneous		1	L.S.		280,640,80
	(20% of a to g)					
Œ	Administration Cost					00.011.40
ч.	(5% of Total of Item I)					92,611,46
	(070 Of Total of Item 17)					
Ū	Engineering Cost					185,222,92
٠	(10% of Item I)	1.1				
					•	
V.	Physical Contingency					426,012,73
	(20% of I+II+III)	,				
٧.	Total(I + II + III + IV)			· · · · · · · · · · · · · · · · · · ·		2,556,076,406
	Rounded Total					
	Rounded Iblai					2,355,100,000
	Rounded Iblai	Vastor	an-in	rigation	ı Canal	2,556,100,000
	Work Item	Vasteg: Quantity		rigation Unit		
					ı Canal Unit Cost (Rial)	2,556,100,000 Amount (Rial)
	Work Item				Unit Cost	Amount (Rial)
I.	Work Item Construction Base Cost				Unit Cost	Amount (Rial) 110,510,400
I .	Work Item				Unit Cost	Amount (Rial) 110,510,400
Ι.	Work Item Construction Base Cost Preparatory Works (10% of Item2)				Unit Cost	Amount (Rial) 110,510,400
Ι.	Work Item Construction Base Cost 1. Preparatory Works				Unit Cost	Amount (Rial) 110,510,400 10,046,400
Ι.	Work Item Construction Base Cost Preparatory Works (10% of Item2)				Unit Cost	Amount (Rial) 110,510,400 10,046,400 223,735,505
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe	Quantity			Unit Cost	Amount
I.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo	Quantity		Unit	Unit Cost (Rial)	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000
I.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal	Quantity ove Item)	2,300	Unit	Unit Cost (Rial)	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete	Quantity ove Item)		Unit	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar	Quantity ove Item)	2,300	Unit	Unit Cost (Rial)	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800 85,400,945
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800 85,400,945
	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of Abo	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,506 31,558,800 85,400,945 6,311,760
	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800 85,400,945
п.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of Abo Administration Cost (5% of Total of Item I)	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,506 31,558,800 85,400,945 6,311,760
п.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of Abo Administration Cost (5% of Total of Item I) Engineering Cost	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,503 100,464,000 83,720,000 16,744,000 123,271,503 31,558,800 85,400,943 6,311,760
п.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of Abo Administration Cost (5% of Total of Item I)	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,503 100,464,000 83,720,000 16,744,000 123,271,503 31,558,800 85,400,943 6,311,760
п.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of Abo Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800 85,400,945 6,311,760 12,243,103
п.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of About Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of About Gela Right Gelaneous (20 % of About Gelaneous (20 % of Abou	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800 85,400,945 6,311,760 12,243,103
п.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of Abo Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of Abo Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,506 31,558,800 85,400,945 6,311,760
и. П	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works Gela Left Bank Canal – PVC Pipe – Miscellaneous (20 % of About Gela Right Bank Canal – Plain Concrete – Reinforced Bar – Miscellaneous (20 % of About Gela Right Gelaneous (20 % of About Gelaneous (20 % of Abou	Quantity ove Item)	2,300 289.0	m cu.m	Unit Cost (Rial) 36,400 109,200	Amount (Rial) 110,510,400 10,046,400 223,735,505 100,464,000 83,720,000 16,744,000 123,271,505 31,558,800 85,400,945 6,311,760 12,243,103

Vastegan-	Dural	Water	Supply
vastagan	Turai	TYBLE	CHURIT

	Work Item	Quantity	Unit	Unit Cost	Amount
				(Rial)	(Rial)
	Construction Base Cost				112,792,99
	The state of the s				
	1. Preparatory Works				10,253,90
	(10% of Item2)				
	2. Civil Works			*.	·
	Distribution Tank & Pipeline				102,539,08
	- Excavation	30	32 cu.m	7,000	2,534,00
	- Backfilling	14	12 cu.m	7,900	1,121,80
	- Plain Concrete		m.uo 86	109,200	18,345,60
	- Reinforced Bar	11		4,221,500	49,644,84
	- PVC pipe ϕ 50		.00 m	6,330	3,798,00
	- PVC pipe φ 75			6,670	10,005,00
	- Miscellaneous (20 % of Abo		i00 m	0,070	
	- Miscellaneous (20 % of Abo	ve item)	•		17,089,84
. 1	Administration Cost	•			4,380,71
	(5% of Total of Item I)				
Γ.	Engineering Cost				11,279,30
	(10% of Item I)				.,,,,,,,,
/-	Physical Contingency				25,690,60
	(20% of I+II+III)				
7	Total(I + II + IV + IV)				154,143,61
-	Rounded Total				154,100,00
	Va	staron-Pu	rai Dand a	f Vantagan	
	Work Item	Quantity	Unit	of Vastegan Unit Cost	Amount
				(Rial)	(Rial)
	Construction Base Cost			•	616 570 00
					616,572,00
	1. Preparatory Works				56,052,00
	(10% of Item2)				
	2 Civil Works	٠			560,520,00
	– Embankment	00.5	00 cu,m	25 000	
		ZZ.DI		/alnui	
		22,50		25,000	
	- Road Bed	5,40	00 cu.m	0	
	Road BedGravel Pavement	5,40 27,00	00 cu.m	•	467,100,00
	- Road Bed	5,40 27,00	00 cu.m	0	467,100,00
	Road BedGravel PavementMiscellaneous (20 % of Abore)	5,40 27,00	00 cu.m	0	467,100,00 93,420,00
	 Road Bed Gravel Pavement Miscellaneous (20 % of Abort Administration Cost	5,40 27,00	00 cu.m	0	467,100,00
	Road BedGravel PavementMiscellaneous (20 % of Abore)	5,40 27,00	00 cu.m	0	467,100,00 93,420,00
	 Road Bed Gravel Pavement Miscellaneous (20 % of Abordaministration Cost (5% of Total of Item I) 	5,40 27,00	00 cu.m	0	467,100,00 93,420,00 30,828,60
	- Road Bed - Gravel Pavement - Miscellaneous (20 % of Abo Administration Cost (5% of Total of Item I) Engineering Cost	5,40 27,00	00 cu.m	0	467,100,00 93,420,00 30,828,60
	 Road Bed Gravel Pavement Miscellaneous (20 % of Abordaministration Cost (5% of Total of Item I) 	5,40 27,00	00 cu.m	0	467,100,00 93,420,00 30,828,60
I.	- Road Bed - Gravel Pavement - Miscellaneous (20 % of Abort Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	5,40 27,00	00 cu.m	0	467,100,00 93,420,00 30,828,60 61,657,20
I.	- Road Bed - Gravel Pavement - Miscellaneous (20 % of Abort Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency	5,40 27,00	00 cu.m	0	467,100,00 93,420,00
I.	- Road Bed - Gravel Pavement - Miscellaneous (20 % of Abort Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	5,40 27,00	00 cu.m	0	467,100,00 93,420,00 30,828,60 61,657,20
I	- Road Bed - Gravel Pavement - Miscellaneous (20 % of Abort Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency	5,40 27,00	00 cu.m	0	467,100,00 93,420,00 30,828,60 61,657,20

Vastega	n-rarm re	oad
Quantity	Unit	Unit Cost (Rial)

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Construction Base Cost Preparatory Works				4,146,912,000 376,992,000
(10% of Item2)				
2. Civil Works - Land Leveling - Miscellaneous (20 % of	1,428,000 Above Item)	sq.m	2,200	3,769,920,000 3,141,600,000 628,320,000
II. Administration Cost (5% of Total of Item I)				207,345,600
III Physical Contingency (20% of I+II)				870,851,520
IV. Total (I+II+III) Rounded Total				5,225,109,120 5,225,100,000

Vastegan – Handicraft Facility

	NYZ 1 V	O.b.		Financia	11
	Work Item	Qty	Unit	Unit Cost	Amount (Rial)
:	Construction Base Cost			nakajaniki i kannagar jeluari nagarpuruni di dinawa mbininin Telepuluyu si na	62,040,00
	1. Preparatory Works				5,640,00
	(10% of Item 2)				3,0 (0,00
				, s	
2	2. Building Works				56,400,00
	a.Building (Brick)	100	m ²	470,000 Rls.	47,000,00
٠.	b.Miscellaneous				9,400,00
٠.	(20% of a)				
T					9 000 00
Ι.	Equipment 1. Horizontal weaving machine (Steel, 2m x 3m)	5	Unit	800,000 Rls.	8,000,00 4,000,00
	2. Vertical weaving machine (Steel, 2m x 3m)	5	Unit	800,000 Ris.	4,000,00
	2. Vertical weaving machine (Secol, 2m x Sur)		Onn	000,000 103.	4,000,00
I .	Land Acquisition	······	· · · · · · · · · · · · · · · · · · ·		800,00
		200	m^2	4,000 Ris.	800,00
ν.	Physical Contingency (20% of I + II + III)		·······		14,168,00
٠.	(20% OI 1+H+H)				
7.	Fotal (I + II + III + IV)				85,008,00
					85,000,00
	Rounded Total				
: ::	Rounded Total		Numb	er of Village 4	
::::::::::::::::::::::::::::::::::::::			n taken Pananan		
	Rounded Total Vastegan – Multi-	ourpose Tra	n taken Pananan	ility	340,000,00
		ourpose Tra Qty	n taken Pananan		340,000,00
	Vastegan – Multi-		nining Fac	ility Financia	340,000,00
::	Vastegan – Multi- _l Work Item		nining Fac	ility Financia	340,000,00
	Vastegan — Multi- Work Item Construction Base Cost		nining Fac	ility Financia	340,000,00 Amount (Riàl) 62,040,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works		nining Fac	ility Financia	340,000,00 Amount (Riàl) 62,040,00
	Vastegan — Multi- Work Item Construction Base Cost		nining Fac	ility Financia	340,000,00 Amount (Riàl) 62,040,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2)		nining Fac	ility Financia	340,000,00 Amount (Riàl) 62,040,00 5,640,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works		nining Fac	ility Financia	340,000,00 Amount (Riàl) 62,040,00 56,400,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous	Qty	unit	ility Financia Unit Cost	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick)	Qty	unit	ility Financia Unit Cost	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick) b.Miscellaneous (20% of a)	Qty	unit	ility Financia Unit Cost	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00 9,400,00
	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick) b.Miscellaneous (20% of a) Equipment	Q*ty	unit m²	Financia Unit Cost 470,000 Rls.	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00 9,400,00
Ι.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm)	Q'ty 100	unit Unit Unit	Financia Unit Cost 470,000 Rls.	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00 9,400,00 5,500,00 4,000,00
I.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick) b.Miscellaneous (20% of a) Equipment	Q*ty	unit m²	Financia Unit Cost 470,000 Rls.	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00 9,400,00 5,500,00 4,000,00
Ι.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood)	Q'ty 100	unit Unit Unit	Financia Unit Cost 470,000 Rls.	340,000,00 Amount (RiàI) 62,040,00 5,640,00 47,000,00 9,400,00 4,000,00 1,500,00
I.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm)	Q'ty 100	unit Unit Unit	Financia Unit Cost 470,000 Rls.	340,000,000 Amount (Riàl) 62,040,000 5,640,000 47,000,000 9,400,000 4,000,000 1,500,000
I.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood)	100 100 30	unit Unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	340,000,00 Amount (Riàl) 62,040,00 5,640,00 47,000,00 9,400,00 4,000,00 1,500,00
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) Land Acquisition	100 100 30	unit Unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	340,000,000 Amount (Riàl) 62,040,000 5,640,000 47,000,000 9,400,000 1,500,000 800,000
I.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) Land Acquisition	100 100 30	unit Unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	340,000,000 Amount (Riàl) 62,040,000 5,640,000 47,000,000 9,400,000 1,500,000 800,000
I.	Vastegan - Multi- Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) Land Acquisition Physical Contingency (20% of I + II + III)	100 100 30	unit Unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	340,000,000 Amount (Riàl) 62,040,000 5,6400,000 47,000,000 9,400,000 1,500,000 800,000 13,668,000
II.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) Land Acquisition	100 100 30	unit Unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	340,000,00

Vastegan - Milk Processing Facility

Work Item	Qty	Unit	Unit Cost	Financia	Amount (Rial)
. Construction Base Cost					62,040,00
Preparatory Works					
					5,640,00
(10% of Item 2)				-	
2. Building Works					56,400,00
a.Building (Brick)	100	m²	470,000	Ris.	47,000,00
b.Miscellaneous					9,400,00
(20% of a)		•			
. Equipment			:		74,400,00
		Unit	200,000	T2.1	•
1. Table (Wood, 1,800x900x800mm)	2		300,000	Ris.	600,00
2. Chair (Wood)	. 4	Unit	50,000	Rls.	200,00
3. Vehicle (Pick-up)	1	Unit	70,000,000	Rls.	70,000,00
4. Milk Tank (Plastic, 50 litre)	40	Piece	40,000	Rls.	1,600,00
5. Mixing Machine (Steel, for kashk)	2	Unit	1,000,000	Rls.	2,000,00
.Land Acquisition					800,00
Land / Equipment	200	m²	4,000	Dia	800,00
	200	111	4,000	KIS.	000,0
			er egy film get in		
. Physical Contingency	:				27,448,0
(20% of I + II + III)					
	<u> </u>	t.			
. Total (I + II + III + IV)					164,688,0
Rounded Total					164,700,0
	the section of	Moo	nber of Village	2	329,400,0
			moer or vinage	- 2-	323,400,0
		100			and the second second
Vastegan − Collection and	Distribut	ion Fac	ility for Milk		
Vastegan – Collection and	Distribut	ion Fac		Financi	al
Vastegan – Collection and Work Item	Distribut Qty	ion Fac Unit			Amount
Work Item					Amount (Rial)
Work Item Construction Base Cost					Amount (Rial) 62,040,0
Work Item Construction Base Cost Preparatory Works					Amount (Rial) 62,040,0
Work Item Construction Base Cost					Amount (Rial) 62,040,0
Work Item Construction Base Cost Preparatory Works					Amount (Rial) 62,040,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2)					Amount (Rial) 62,040,0 5,640,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works	Qty	Unit	Unit Cost		Amount (Rial) 62,040,0 5,640,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick)					Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works	Qty	Unit	Unit Cost		Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous	Qty	Unit	Unit Cost		Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick)	Qty	Unit	Unit Cost		Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a)	Qty	Unit	Unit Cost		Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment	Qty 100	Unit	Unit Cost	Rls.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a)	Qty	Unit	Unit Cost		Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm)	Qty 100	Unit m²	Unit Cost 470,000	Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood)	Qty 100	Unit Unit Unit	470,000 300,000 50,000	Rls.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0 200,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up)	Qty 100 2 4 2	Unit Unit Unit Unit Unit	470,000 300,000 50,000 70,000,000	Rls. Rls. Rls. Rls.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0 200,0 140,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre)	Qty 100 2 4 2 100	Unit Unit Unit Unit Piece	470,000 470,000 50,000 70,000,000 40,000	Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 600,0 200,0 140,000,0 4,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation)	Qty 100 2 4 2	Unit Unit Unit Unit Unit	470,000 300,000 50,000 70,000,000	Rls. Rls. Rls. Rls.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0 200,0 140,000,0 4,000,0
Work item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre)	Qty 100 2 4 2 100	Unit Unit Unit Unit Piece	470,000 470,000 50,000 70,000,000 40,000	Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0 200,0 140,000,0 4,000,0 50,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation)	Qty 100 2 4 2 100 1	Unit Unit Unit Unit Piece Unit	300,000 50,000 70,000,000 50,000,000	Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0 200,0 140,000,0 4,000,0 50,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation)	Qty 100 2 4 2 100 1	Unit Unit Unit Unit Piece Unit	300,000 50,000 70,000,000 50,000,000	Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0 200,0 140,000,0 50,000,0 300,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation)	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 300,000,0 800,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation)	Qty 100 2 4 2 100 1	Unit Unit Unit Unit Piece Unit	300,000 50,000 70,000,000 50,000,000	Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 300,000,0 800,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation)	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 300,000,0 800,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition Physical Contingency (20% of I + II + III)	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0 300,000,0 111,528,0
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition Physical Contingency (20% of I + II + III)	Qty 100 2 4 2 100 1 1	Unit Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0 300,000,0 111,528,0

TableL-8-5-2 Community Development for Chaman-Goli Bazoft

Chaman Goli-Bazoft-Irrigation Canal

	Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
			(many broadly hard and an account	((\lai)	(Mai)
ľ.	Construction Base Cost				213,954,97
	1. Preparatory Works (10% of Ite	em 2)			19,450,45
	2. Civil Works				821,525,67
	Gusaleh Bar Left Bank Canal		•		194,504,52
	Plain Concrete	456.0	cu.m	109,200	49,795,20
	- Reinforced Bar	31.9	ton	4,221,500	134,750,28
	- Miscellaneous (20 % of Abov	/e Item)		•	9,959,04
	Gusaleh Bar Right Bank Cana	Į.			537,446,70
	- Plain Concrete	1,260.0	cu.m	109,200	137,592,00
	- Reinforced Bar	88.2	ton	4,221,500	372,336,30
	- Miscellaneous (20 % of Abov	/e ftem)			27,518,40
	Kachooz Canal				89,574,45
	- Plain Concrete	210.0	cu.m	109,200	22,932,00
	- Reinforced Bar	14.7	ton	4,221,500	62,056,05
٠	- Miscellaneous (20 % of Abov	/e Item)			4,586,40
Ι.	Administration Cost (5 % of Item I)				37,617,61
u	.Engineering Cost (10 % of Item I)				21,395,4
T.	Physical Contingency (20 % of I+II+I	II)			54,593,6
V .	Total(I + II + III + IV)				327,561,70
V .	Total(I+II+II+IV) Rounded Total				327,561,70 327,600,00
<u>v</u>					
<u>v</u> .	Rounded Total Chama	ın Goli-Bazoft			327,600,00
<u>v .</u>	Rounded Total	n Goli-Bazoft Quantity	-Rural Unit	Water Supply Unit Cost (Rial)	
	Rounded Total Chama Work Item			Unit Cost	327,600,00 Amount (Rial)
	Rounded Total Chama Work Item Construction Base Cost	Quantity		Unit Cost	327,600,00 Amount (Rial) 256,463,6
	Rounded Total Chama Work Item	Quantity		Unit Cost	327,600,00 Amount (Rial) 256,463,6
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It	Quantity		Unit Cost	327,600,00 Amount (Rial) 256,463,6
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works	Quantity		Unit Cost	327,600,00 Amount (Rial) 256,463,6 23,314,8
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank	Quantity em 2)	Unit	Unit Gost (Rial)	327,600,00 Amount (Rial) 256,463,6 23,314,8
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation	Quantity em 2) 640	Unit	Unit Gost (Rial) 7,000	327,600,00 Amount (Rial) 256,463,6 23,314,8; 233,148,7; 4,480,00
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling	Quantity em 2) 640 279	Unit	Unit Gost (Rial) 7,000 7,900	327,600,00 Amount (Rial) 256,463,6 23,314,8 233,148,7 4,480,06 2,204,10
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete	Quantity em 2) 640 279 293	Unit	Unit Gost (Rial) 7,000 7,900 109,200	327,600,00 Amount (Rial) 256,463,6 23,314,8 233,148,7 4,480,00 2,204,10 31,995,60
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar	Quantity em 2) 640 279 293 20.5	Unit cu.m cu.m	Unit Gost (Rial) 7,000 7,900 109,200 4,221,500	327,600,00 Amount (Rial) 256,463,6 23,314,8; 233,148,7 4,480,06 2,204,16 31,995,66 86,582,96
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50	Quantity em 2) 640 279 293 20.5 1,100	cu.m cu.m	7,000 7,000 7,900 109,200 4,221,500 6,330	327,600,00 Amount (Rial) 256,463,6 23,314,80 233,148,7 4,480,00 2,204,10 31,995,60 86,582,96 6,963,00
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75	Quantity em 2) 640 279 293 20.5 1,100 4,300	cu.m cu.m cu.m ton	7,000 7,000 7,900 109,200 4,221,500 6,330 6,670	327,600,00 Amount (Rial) 256,463,6 23,314,8; 233,148,7; 4,480,06 2,204,10 31,995,66 86,582,96 6,963,06 28,681,06
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$125	Quantity em 2) 640 279 293 20.5 1,100 4,300 3,900	cu.m cu.m cu.m ton m	7,000 7,000 7,900 109,200 4,221,500 6,330	327,600,00 Amount (Rial) 256,463,6 23,314,86 233,148,7 4,480,00 2,204,10 31,995,60 86,582,96 6,963,00 28,681,00 33,384,00
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75	Quantity em 2) 640 279 293 20.5 1,100 4,300 3,900	cu.m cu.m cu.m ton m	7,000 7,000 7,900 109,200 4,221,500 6,330 6,670	327,600,00 Amount (Rial) 256,463,6 23,314,86 233,148,7 4,480,00 2,204,10 31,995,60 86,582,96 6,963,00 28,681,00 33,384,00
	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$125	Quantity em 2) 640 279 293 20.5 1,100 4,300 3,900	cu.m cu.m cu.m ton m	7,000 7,000 7,900 109,200 4,221,500 6,330 6,670	327,600,00 Amount (Rial) 256,463,6 23,314,8 233,148,7 4,480,00 2,204,10 31,995,60 86,582,90 6,963,00 28,681,00 33,384,00 38,858,13
I .	Rounded Total Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$125 - Miscellaneous (20 % of Abore	Quantity em 2) 640 279 293 20.5 1,100 4,300 3,900	cu.m cu.m cu.m ton m	7,000 7,000 7,900 109,200 4,221,500 6,330 6,670	327,600,00 Amount
I.	Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$125 - Miscellaneous (20 % of Abordaministration Cost (5 % of Item I)	Quantity 640 279 293 20.5 1,100 4,300 3,900 ve Item)	cu.m cu.m cu.m ton m	7,000 7,000 7,900 109,200 4,221,500 6,330 6,670	327,600,00 Amount (Rial) 256,463,6 23,314,8 233,148,7 4,480,00 2,204,10 31,995,60 86,582,90 6,963,00 28,681,00 33,384,00 38,858,13
I. II.	Chama Work Item Construction Base Cost 1. Preparatory Works (10% of It 2. Civil Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$125 - Miscellaneous (20 % of Abordaministration Cost (5 % of Item I) Engineering Cost (10 % of Item I)	Quantity 640 279 293 20.5 1,100 4,300 3,900 ve Item)	cu.m cu.m cu.m ton m	7,000 7,000 7,900 109,200 4,221,500 6,330 6,670	327,600,00 Amount (Rial) 256,463,6 23,314,8,7 4,480,00 2,204,10 31,995,60 86,582,90 6,963,00 28,681,00 33,384,00 38,858,13 8,095,83

U	haman Goli-Ba	zott-Rur		
Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
. Construction Base Cost 1. Preparatory Works (10% of	Item 2)			980,496,000 89,136,000
2. Civil Works				891,360,000
- Land Levelling	24,000	sg.m	2,200	52,800,000
 Asphalt Pavement 	18,000	sq.m	32,500	585,000,000
BridgeMiscellaneous (20 % of Ab	ove Item)	L.S.	126,000,000	126,000,000 127,560,000
. Administration Cost (5 % of Item I)			49,024,800
I .Engineering Cost (10 % of Item I)				98,049,600
7. Physical Contingency (20 % of I+I	(+III)			225,514,080
· Total(I+II+II+IV) Rounded Total				1,353,084,480 1,353,100,000
	Chaman Goli-Ba			
Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Construction Base Cost Preparatory Works (10% of	item 2)			1,324,224,000 120,384,000
2. Civil Works - Land Leveling - Miscellaneous (20 % of Ab	456,000 nove Item)	sq.m	2,200	1,203,840,000 1,003,200,000 200,640,000
I. Administration Cost (5 % of Item	0			66,211,20
V. Physical Contingency (20 % of I+I	(+四)			278,087,04
V. Total(I+II+III+IV) Rounded Total				1,668,522,24 1,668,500,00

Chaman Goli-Bazoft – Handicraft Facility

				Financia	
7	Work Item	Qty	Unit	Unit Cost	Amount (Rial)
	Construction Base Cost 1. Preparatory Works			with particular and incoming pages company and a process pages and a process page of the contract of the contr	62,040,00 5,640,00
٠.	(10% of Item 2)				
	2. Building Works	100	m²	470 000 PI-	56,400,00 47,000,00
	a.Building (Brick) b.Miscellaneous (20% of a)	100	m	470,000 RIs.	9,400,00
r	Equipment				8,000,00
ï	1. Horizontal weaving machine (Steel, 2m x 3m)	5	Unit	800,000 RIs.	4,000,00
	2. Vertical weaving machine (Steel, 2m x 3m)	5	Unit	800,000 Rls.	4,000,00
Ι.	Land Acquisition	200	m ²	4,000 Ris.	800,00 800,00
7.	Physical Contingency (20% of I + II + III)				14,168,00
	Total (I + II + III + IV)				85,008,00
	Rounded Total				85,000,00
		1	140	mber of Village 1	03,000,00
	Chaman Goli–Bazoft - Work Item	- Multi-purpos Qty			d Amount
	Work Item		se Trair	ning Facility Financia	Amount (Rial)
	Work Item Construction Base Cost 1. Preparatory Works		se Trair	ning Facility Financia	Amount (Rial) 62,040,00
	Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2)		se Trair	ning Facility Financia	Amount (Rial) 62,040,00 5,640,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick)		se Trair	ning Facility Financia	Amount (Rial) 62,040,00 5,640,00 47,000,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works	Qty	se Trair Unit	ning Facility Financia Unit Cost	Amount (Rial) 62,040,00 5,640,00 47,000,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment	Qty	Unit m²	ning Facility Financia Unit Cost 470,000 RIs.	Amount (Rial) 62,040,00 5,6400,00 47,000,00 9,400,00 5,500,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a)	Qty	se Trair Unit	ning Facility Financia Unit Cost	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00 5,500,00 4,000,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x1,200x800mm)	Qty 100	unit Unit Unit	ning Facility Financia Unit Cost 470,000 Rls.	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00 4,000,00 1,500,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x1,200x800mm) Chair (Wood) Land Acquisition	100 10 10 30	unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00 4,000,00 1,500,00 800,00
	Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x1,200x800mm) Chair (Wood) Land Acquisition	100 10 10 30	unit Unit Unit Unit Unit	Financia Unit Cost 470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount

Chaman Goli-Bazoft - Milk Processing Facility

177 - 1- 74		Ok.	Y 1 .	delicement and the first transfer and a tender	Financial	
Work Item	÷	Qty	Unit	Unit Cost	(Amount (Rial)
. Construction Base Cost		***************************************			** 	62,040,00
1. Preparatory Works						5,640,00
(10% of Item 2)						
a par mal		•				
2. Building Works		100	m ²	470,000	DI=	56,400,00
a.Building (Brick) b.Miscellaneous		100	m	470,000	Rls.	47,000,00
(20% of a)	٠					9,400,00
(2070 OI a)				•		
. Equipment					**********	74,400,00
1. Table (Wood, 1,800x900x800mm)		2	Unit	300,000	Ris	600,00
2. Chair (Wood)	•	4	Unit	50,000	Rls.	200,00
3. Vehicle (Pick-up)		1	Unit	70,000,000	Ris.	70,000,0
4. Milk Tank (Plastic, 50 litre)		40	Piece	40,000	Ris.	1,600,0
5. Mixing Machine (Steel, for kashk)		2	Unit	1,000,000	Ris.	2,000,0
, , , , , , , , , , , , , , , , , , ,		_		2,000,000		2,000,0
.Land Acquisition						800,0
		200	m^2	4,000	Ris.	800,0
				**		
. Physical Contingency						27,448,0
(20% of I + II + III)				200		
. Total $(I + II + III + IV)$						164,688,0
Rounded Total						164,700,0
	1.0		N	umber of Village	4	658,800,0
Chaman Call-Paratt - C	_11	J D:-		C::: £	N.A.H.	
Chaman Goli-Bazoft - C	onecuo	n and Dis	uribuu		Financial	
Work Item		Qty	Unit	Unit Cost		Amount
		Q - 3	Ollit	Oilli Cos		
	·····	Q.9		om cos		(Rial)
Construction Base Cost		Q.,		om cos		
Construction Base Cost 1. Preparatory Works				onit cos		(Rial) 62,040,0
			Oint	om eas	******************************	(Rial) 62,040,0
1. Preparatory Works		~~	Oill		•	(Rial) 62,040,0
1. Preparatory Works (10% of Item 2)		~,			•••••	(Rial) 62,040,0 5,640,0
 Preparatory Works (10% of Item 2) Building Works 					Rls.	(Rial) 62,040,0 5,640,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) 		100	m ²	470,000	Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous 					Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) 					Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) 					Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment		100	m²	470,000	· 7.22	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) 		100	m²	470,000 300,000	Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 600,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) 		100	m² Unit Unit	470,000 300,000 50,000	Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 600,0 200,0
 Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) 		100 2 4 2	m² Unit Unit Unit	300,000 50,000 70,000,000	Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 600,0 200,0 140,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre)		100 2 4 2 100	m² Unit Unit Unit Piece	300,000 50,000 70,000,000 40,000	Ris. Ris. Ris.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit	300,000 50,000 70,000,000 40,000 50,000,000	Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre)		100 2 4 2 100	m² Unit Unit Unit Piece	300,000 50,000 70,000,000 40,000	Ris. Ris. Ris.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit	300,000 50,000 70,000,000 40,000 50,000,000	Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 600,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit	300,000 50,000 70,000,000 40,000 50,000,000	Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 600,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition Physical Contingency		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 200,0 140,000,0 4,000,0 50,000,0 300,000,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition Physical Contingency (20% of I + II + III)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0 300,000,0 800,0 111,528,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition Physical Contingency (20% of I + II + III) Total(I + II + III + IV)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 56,400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0 300,000,0 111,528,0
1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition Physical Contingency (20% of I + II + III)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	470,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris.	(Rial) 62,040,0 5,640,0 5,6400,0 47,000,0 9,400,0 494,800,0 200,0 140,000,0 50,000,0 300,000,0 111,528,0 669,168,0 669,200,0
1. Preparatory Works (10% of Item 2) 2. Building Works a. Building (Brick) b. Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operation) 6. Bulk Cooler (Stainless, electric operation) 1. Land Acquisition Physical Contingency (20% of I + II + III) Total (I + II + III + IV)		100 2 4 2 100 1	m² Unit Unit Unit Piece Unit Unit	300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Rls. Rls. Rls. Rls. Rls.	(Rial) 62,040,0 5,640,0 5,6400,0 47,000,0 9,400,0 140,000,0 140,000,0 50,000,0 300,000,0 111,528,0

Chaman Goli-Bazoft - Fish Culture Production

				Financi.	al
Work Item	Qty	Unit	Unit Cost		Amount (Rial)
Construction Base Cost Preparatory Works (10% of Item 2)	gri. 184 	Included	in Building Worl	«S	3,523,500,000 0
 Building Works a.Building (Brick) b.Fish Pond (Concrete) c.Miscellaneous (20% of a to b) 	50 12,000	m ² m ² Included	470,000 in Building Worl	Rls. ks	3,523,500,000 23,500,000 3,500,000,000 0
 Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Equipment for Graging 	2 4 1 1	Unit Unit Unit Unit	300,000 50,000 70,000,000	Ris. Ris. Ris.	220,800,000 600,000 200,000 70,000,000 150,000,000
III .Land Acquisition IV. Physical Contingency (20% of I+II+III)	12,500	m ²	4,000	Rls.	50,000,000 50,000,000 758,860,000
V. Total (I + II + III + IV) Rounded Total		Nur	nber of Village	1	4,553,160,000 4,553,200,000 4,553,200,000

TableL-8-5-3 Community Development for Sarbaz

Sarbaz-Irrigation Canal

	Work Item	Quantity	Unit	Unit Cost	Amount
	وروع والمنافقة ومحور والمراج والمراجعة والمناف والمناف والمناف والمنافقة			(Rial)	(Ríal)
	ruction Base Cost				450,431,52
1. Pre	paratory Works (10%	of Item 2)		•	40,948,32
Z. Civi	il Works				753,278,47
Ţ	Dangazloo-Kahangan Car	nal			409,483,20
-	- Plain Concrete	960.0	cum	109,200	104,832,00
	- Reinforced Bar	67.2		4,221,500	283,684,80
	Miscellaneous (20 % of			11.2.1540	20,966,40
	(ahangan-Devergan Olya				137,774,03
	- Plain Concrete	323.0	cu.m	109,200	35,271,60
	Reinforced Bar	22.6		4,221,500	95,448,11
	- Miscellaneous (20 % of		ton	4,221,000	
	Dangazloo Left Bank Car	· · · · · · · · · · · · · · · · · · ·			7,054,32
	Plain Concrete	483.0		100.000	206,021,23
	and the second s			109,200	52,743,60
	Reinforced Bar	33.8	ton	4,221,500	142,728,91
	Miscellaneous (20 % of	·			10,548,72
	Noor Abad-Sarbaz Canal	the second secon			1,079,158,85
	Plain Concrete	2,530.0		109,200	276,276,00
	- Reinforced Bar	177.1	ton	4,221,500	747,627,65
	- Miscellaneous (20 % of	Above Item)			55,255,20
. Adminis	stration Cost (5 % of Ite	m I)			14,246,59
G					
.Engine	ering Cost (10 % of Item	1)			45,043,15
- Physica	al Contingency (20 % of	[+[[+iii])			101,944,25
	+ II + III + IV)				611,665,52
Roi	unded Total				611,700,00
Hoi	unded Total	Sarbaz-Rura	al Water S	Supply	611,700,00
Roi	unded Total Work Item	Sarbaz-Rura Quantity	al Water S Unit	Unit Cost	Amount
Rol				The same of the sa	
	Work Item			Unit Cost	(Rial)
. Const	Work Item	Quantity		Unit Cost	Amount (Rial) 318,947,31
. Const	Work Item	Quantity		Unit Cost	Amount (Rial) 318,947,31
. Const 1. Pre	Work Item ruction Base Cost paratory Works (10%	Quantity		Unit Cost	Amount (Rial) 318,947,31
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10%	Quantity		Unit Cost	Amount (Rial) 318,947,31 28,995,21
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank	Quantity of Item 2)	Unit	Unit Cost (Rial)	Amount (Rial) 318,947,31 28,995,21 289,952,10
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation	Quantity of Item 2)	Unit cu.m	Unit Cost (Rial) 7,000	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank Excavation Backfilling	Quantity of Item 2) 590 281	Unit cu.m cu.m	Unit Cost (Rial) 7,000 7,900	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank Excavation Backfilling Plain Concrete	Quantity of Item 2) 590 281 270	Unit cu.m cu.m	Unit Cost (Rial) 7,000 7,900 109,200	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar	Quantity of Item 2) 590 281 270 18.9	cu.m cu.m cu.m cu.m	Unit Cost (Rial) 7,000 7,900 109,200 4,221,500	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35
Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$\phi\$50	Quantity of Item 2) 590 281 270 18.9 75	Unit cum cum cum ton 0 m	7,000 7,900 7,900 109,200 4,221,500 6,330	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50
Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$\phi\$50 - PVC pipe \$\phi\$75	Quantity of Item 2) 590 281 270 18.9 75 6,20	Cu.m cu.m cu.m ton 0 m	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50
Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$90	Quantity of Item 2) 590 281 270 18.9 75 6,20 4,10	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00
Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank Excavation Backfilling Plain Concrete Reinforced Bar PVC pipe \$60 PVC pipe \$75 PVC pipe \$90 PVC pipe \$90	Quantity of Item 2) 590 281 270 18.9 75 6,20 4,10 5,70	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00 27,921,00
. Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe \$50 - PVC pipe \$75 - PVC pipe \$90	Quantity of Item 2) 590 281 270 18.9 75 6,20 4,10 5,70	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00 27,921,00 51,984,00
Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank Excavation Backfilling Plain Concrete Reinforced Bar PVC pipe \$60 PVC pipe \$75 PVC pipe \$90 PVC pipe \$90	Quantity of Item 2) 590 281 270 18.9 75 6,20 4,10 5,70 Above Item)	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount (Rial) 318,947,31 28,995,21 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00 27,921,00 51,984,00 48,325,35
Const 1. Pre 2. Civ	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank Excavation Backfilling Plain Concrete Reinforced Bar PVC pipe \$00 PVC pipe \$75 PVC pipe \$90 PVC pipe \$140 Miscellaneous (20 % of	Quantity 590 281 270 18.9 75 6,20 4,10 5,70 Above item)	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount
Const 1. Pre 2. Civ (Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe φ 50 - PVC pipe φ 75 - PVC pipe φ 140 - Miscellaneous (20 % of stration Cost (5 % of Itemering Cost (10 % of Itemering Co	Quantity 590 281 270 18.9 75 6,20 4,10 5,70 Above item)	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount (Rial) 318,947,31 28,995,210 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00 27,921,00 51,984,00 48,325,35 8,086,28
Const 1. Pre 2. Civ I Admini Engine	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe φ50 - PVC pipe φ50 - PVC pipe φ 140 - PVC pipe φ 140 - Miscellaneous (20 % of stration Cost (5 % of Itemal Contingency (20 % of Item	Quantity 590 281 270 18.9 75 6,20 4,10 5,70 Above item)	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount (Rial) 318,947,31 28,995,210 289,952,10 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00 27,921,00 51,984,00 48,325,35
Const 1. Pre 2. Civ Admini Engine Physics	Work Item ruction Base Cost paratory Works (10% il Works Distribution Tank - Excavation - Backfilling - Plain Concrete - Reinforced Bar - PVC pipe φ 50 - PVC pipe φ 75 - PVC pipe φ 140 - Miscellaneous (20 % of stration Cost (5 % of Itemering Cost (10 % of Itemering Co	Quantity 590 281 270 18.9 75 6,20 4,10 5,70 Above item)	Cum Cum Cum Cum Com Com Com Com Com Com Com Com Com Co	7,000 7,900 7,900 109,200 4,221,500 6,330 6,670 6,810	Amount (Rial) 318,947,31 28,995,210 4,130,00 2,219,90 29,484,00 79,786,35 4,747,50 41,354,00 27,921,00 51,984,00 48,325,35 8,086,28

Sarbaz-Rural Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Construction Base Cost Preparatory Works (10% of	f Item 2)			2,806,320,000 255,120,000
2. Civil Works				2,551,200,000
- Land Levelling - Asphalt Pavement - Miscellaneous (20 % of A	80,000 60,000 bove Item)	sq.m sq.m	2,200 32,500	176,000,000 1,950,000,000 425,200,000
II. Administration Cost (5 % of Item	D			140,316,000
II .Engineering Cost (10 % of Item I))			280,632,000
IV. Physical Contingency (20 % of [+	П+Ш)			645,453,600
V. Total(I+II+II+IV) Rounded Total				3,872,721,600 3,872,700,000
	Sarbaz-F	arm Road		
Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
 Construction Base Cost Preparatory Works (10% or 	f Item 2)			2,613,600,000 237,600,000
2. Civil Works - Land Leveling - Miscellaneous (20 % of A	900,000 bove Item)	sq.m	2,200	2,376,000,000 1,980,000,000 396,000,000
II. Administration Cost (5 % of Item	1)			130,680,000
III. Physical Contingency (20 % of I+1	II+III)			548,856,000
IV. Total(I+II+III) Rounded Total				3,293,136,000 3,293,100,000

Sarbaz - Handicraft Facility

	. .		Financial	
Work Item	Qty	Unit	Unit Cost	Amount (Rial)
I . Construction Base Cost	مادي والمراجعة و	ra fra merkey podda o w no a sa a <i>o</i> ml a b	TENOOREN CONSTRUCTION AND A CONTRACT OF THE STREET	62,040,000
1. Preparatory Works				5,640,000
(10% of Item 2)				2,010,000
2. Building Works				56,400,000
a.Building (Brick)	100	m ²	470,000 Rls.	47,000,000
b.Miscellaneous	V			9,400,000
(20% of a)				÷
T Couloment				8,000,000
Equipment Horizontal weaving machine (Steel, 2m x 3m)	5	Unit	800,000 RIs.	4,000,000
2. Vertical weaving machine (Steel, 2m x 3m)	5	Unit	800,000 Rls	4,000,000
ar voltical fronting machine (closes, and a cary			ooo,ooo rab.	1,000,000
I .Land Acquisition	***************************************	 		800,000
**	200	m ²	4,000 Rls.	800,000
V. Physical Contingency	· .			14,168,000
(20% of I+II+III)				
V. Total(I+Ⅱ+Ⅲ+Ⅳ)				85,008,000
Rounded Total				85,000,000
		Num	ber of Village 1	85,000,000
Sarbaz - Multi-p	urpose Trai	ning Faci		
			hinanoial	
Work Item	Ωħν	Hait -	Financial	
Work Item	Qty	Unit	Unit Cost	Amount (Rial)
	Qty	Unit		Amount (Rial)
I . Construction Base Cost	Qty	Unit		Amount (Rial) 62,040,000
	Qty	Unit		Amount (Rial) 62,040,00
Construction Base Cost Preparatory Works	Qty	Unit		Amount (Rial) 62,040,00
I . Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works	Qty		Unit Cost	Amount (Rial) 62,040,000 5,640,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick)	Qty 100	Unit		Amount (Rial) 62,040,000 5,640,000 56,400,000 47,000,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous			Unit Cost	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick)			Unit Cost	Amount (Rial) 62,040,000 5,640,000 56,400,000 47,000,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a)			Unit Cost	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment	100	m²	Unit Cost 470,000 Ris.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm)		m² Unit	Unit Cost 470,000 Rls. 400,000 Rls.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 5,500,000 4,000,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment	100	m²	Unit Cost 470,000 Ris.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 5,500,000 4,000,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm)	100	m² Unit Unit	Unit Cost 470,000 Rls. 400,000 Rls.	Amount (Rial) 62,040,000 5,640,000 56,400,000 47,000,000 9,400,000 4,000,000 1,500,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood)	100	m² Unit	Unit Cost 470,000 Rls. 400,000 Rls.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 4,000,000 1,500,000 800,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) II. Land Acquisition	100 10 30	m² Unit Unit	470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 4,000,000 1,500,000 800,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) II. Land Acquisition V. Physical Contingency	100 10 30	m² Unit Unit	470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 4,000,000 1,500,000 800,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) II. Land Acquisition	100 10 30	m² Unit Unit	470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 4,000,000 1,500,000 800,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) II. Land Acquisition V. Physical Contingency (20% of I + II + III)	100 10 30	m² Unit Unit	470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount (Rial) 62,040,000 5,640,000 47,000,000 9,400,000 4,000,000 1,500,000 800,000 13,668,000
I. Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) I. Equipment 1. Table (Wood, 1,800x1,200x800mm) 2. Chair (Wood) II. Land Acquisition V. Physical Contingency	100 10 30	m² Unit Unit	470,000 Rls. 400,000 Rls. 50,000 Rls.	Amount .

44F 1 V.		016			Financia	***************************************
Work Item		Q'ty	Unit	Unit Cos		Amount (Rial)
0					**************************************	60.010.00
. Construction Base Cost			***************************************	t er bilder det skiedelik i kan ser prok de gaden, produkt bener op te	***************************************	62,040,00
1. Preparatory Works						5,640,00
(10% of Item 2)						•
2. Building Works						56,400,00
a.Building (Brick)		100	m^2	470,000	Rls.	47,000,00
b.Miscellaneous				·		9,400,00
(20% of a)						
. Equipment						74 400 06
1. Table (Wood, 1,800x900x800mm)		2	Unit	300,000	Rls.	74,400,00 600,00
2. Chair (Wood)	* *	4	Unit	•	Ris.	
		•		50,000		200,00
3. Vehicle (Pick-up)		1	Unit	70,000,000		70,000,00
4. Milk Tank (Plastic, 50 litre)		40	Piece	40,000	Ris.	1,600,00
5. Mixing Machine (Steel, for kashk)		2	Unit	1,000,000	Rls.	2,000,0
Land Acquisition	obromens pro com esperante es e	······································		********************************		800,00
		200	m ²	4,000	Rls.	800,00
. Physical Contingency						27,448,00
(20% of I + II + III)						
. Total (I + II + III + IV)						164,688,00
Rounded Total						164,700,00
			Nu	imber of Village	4	א אוווא ארח
			Nu	mber of Village	4	658,800,00
	llection and [Distributio		lity for Milk		658,800,00
	llection and [Distributio Qty		lity for Milk	Financia	
Sarbaz – Co	llection and [n Faci	lity for Milk	Financia	1
Sarbaz – Co Work Item	llection and [n Faci	lity for Milk	Financia	I Amount (Rial)
Sarbaz – Co Work Item . Construction Base Cost	llection and [n Faci	lity for Milk	Financia	Amount (Rial)
Sarbaz - Co Work Item Construction Base Cost Preparatory Works	llection and [n Faci	lity for Milk	Financia	Amount (Rial)
Sarbaz – Co Work Item Construction Base Cost	llection and [n Faci	lity for Milk	Financia	Amount (Rial)
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2)	llection and [n Faci	lity for Milk	Financia	Amount (Rial) 62,040,00 5,640,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works	llection and [unit	lity for Milk	Financia	Amount (Rial) 62,040,00 5,640,00
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2)	llection and [n Faci	lity for Milk	Financia t	Amount (Rial) 62,040,00 5,640,00
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works	llection and [Qty	unit	lity for Milk Unit Cos	Financia t	Amount (Rial) 62,040,0 5,640,0 56,400,0 47,000,0
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick)	llection and [Qty	unit	lity for Milk Unit Cos	Financia t	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a)	llection and [Qty	unit	lity for Milk Unit Cos	Financia t	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment	llection and [Qty 100	Unit	Unit Cos 470,000	Financia t	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm)	llection and [Qty 100	Unit Whit	Unit Cos 470,000	Financia t Rls.	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00 494,800,00 600,00
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood)	llection and [Qty 100	Unit Unit Unit Unit Unit	Unit Cos 470,000 300,000 50,000	Ris. Ris. Ris.	56,400,00 47,000,00 494,800,00 200,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up)	llection and [Qty 100	Unit Whit	Unit Cos 470,000	Financia t Rls.	56,400,00 47,000,00 494,800,00 200,00
Sarbaz - Co Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood)	llection and [Qty 100	Unit Unit Unit Unit Unit	Unit Cos 470,000 300,000 50,000	Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00 600,00 200,00 140,000,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up)		Qty 100 2 4 2	Unit Unit Unit Unit Unit Unit Unit	Unit Cos 470,000 300,000 50,000 70,000,000	RIs. RIs. RIs. RIs.	Amount (Rial) 62,040,00 5,640,00 47,000,00 494,800,00 600,00 200,00 140,000,00 4,000,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre)	n)	Qty 100 2 4 2 100	Unit Unit Unit Unit Unit Unit Piece	100,000 300,000 50,000 70,000,000 40,000	Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00 494,800,00 200,00 140,000,00 4,000,00 50,000,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation)	n)	2 4 2 100 1	Unit Piece Unit	1000 470,000 300,000 50,000 70,000,000 40,000 50,000,000	RIS. RIS. RIS. RIS. RIS. RIS.	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00 494,800,00 200,00 140,000,00 50,000,00 300,000,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation)	n)	2 4 2 100 1 1	Unit Unit Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00 494,800,00 200,00 140,000,00 4,000,00 300,000,00
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation)	n)	2 4 2 100 1	Unit Piece Unit	1000 470,000 300,000 50,000 70,000,000 40,000 50,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00 494,800,00 200,00 140,000,00 4,000,00 300,000,00
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition Physical Contingency	n)	2 4 2 100 1 1	Unit Unit Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00 600,00 200,00 140,000,00 4,000,00 50,000,00 300,000,00
Work Item Construction Base Cost 1. Preparatory Works (10% of Item 2) 2. Building Works a. Building (Brick) b. Miscellaneous (20% of a) Equipment 1. Table (Wood, 1,800x900x800mm) 2. Chair (Wood) 3. Vehicle (Pick-up) 4. Milk Tank (Plastic, 50 litre) 5. Sterilizer (Stainless, electric operatio 6. Bulk Cooler (Stainless, electric operatio 7. Land Acquisition	n)	2 4 2 100 1 1	Unit Unit Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,06 5,6400,06 47,000,06 9,400,06 600,06 200,06 140,000,06 4,000,06 50,000,06 300,000,06
Sarbaz - Co Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works Building (Brick) Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Wehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition Physical Contingency (20% of I + II + III)	n)	2 4 2 100 1 1	Unit Unit Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 47,000,00 9,400,00 494,800,00 200,00 140,000,00 300,000,00 800,00 111;528,00
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition Physical Contingency (20% of I + II + III) Total (I + II + III + IV)	n)	2 4 2 100 1 1	Unit Unit Unit Unit Unit Unit Piece Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	1 Amount (Rial) 62,040,00 5,640,00 47,000,00 200,00 140,000,00 300,000,00 800,00 111,528,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168,00 669,168
Work Item Construction Base Cost Preparatory Works (10% of Item 2) Building Works a.Building (Brick) b.Miscellaneous (20% of a) Equipment Table (Wood, 1,800x900x800mm) Chair (Wood) Vehicle (Pick-up) Milk Tank (Plastic, 50 litre) Sterilizer (Stainless, electric operation) Bulk Cooler (Stainless, electric operation) Land Acquisition	n)	2 4 2 100 1 1	Unit Unit Unit Unit Unit Unit Unit Unit	300,000 300,000 50,000 70,000,000 40,000 50,000,000 300,000,000	Ris. Ris. Ris. Ris. Ris. Ris. Ris. Ris.	Amount (Rial) 62,040,00 5,640,00 56,400,00 47,000,00 9,400,00 494,800,00 600,00 200,00 140,000,00 4,000,00 300,000,00 800,00 111,528,00

Sarbaz – Apple Collecting & Grading Facility (Large)

						Financi	al
	Work Item		Qty	Unit	Unit Cos	l	Amount (Rial)
I . Construction Base	Cost			200			124,080,000
1. Preparatory W (10% of Ite	'orks						11,280,000
2. Building Wo	rks						112,800,000
a.Building (B	and the second s		200	m ²	470,000	Rls.	94,000,000
b.Miscellaneo	ous		And the second			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18,800,000
(20% of	a)						
I. Equipment		19-19-19-19-19-19-19-19-19-19-19-19-19-1			*******		965,000,000
	1,800x1,200x800mm))	20	Unit	400,000	Rls.	8,000,000
2. Chair (Wood)			100	Unit	50,000	Rls.	5,000,000
3. Basket (Plastic	c)		200	Unit	20,000	Rls	4,000,000
4. Water Tank (S	steel, 1.0x1.0x1.0m)		10	Piece	300,000	Ris.	3,000,000
5. Drying Table (Steel, with fan)		10	Unit	500,000	Rls.	5,000,000
Roller conveye			10	Unit	10,000		
Equivalent				8000R/\$	80,000,000	Rls.	800,000,000
7. Vehicle (Pick-	up)		2	Unit	70,000,000	Rls.	140,000,000
Land Acquisition					······································		1,200,000
			300	m ²	4,000	RIs.	1,200,00
V. Physical Conting	renev						218,056,000
(20% of I				•			210,030,000
7. Total (I+II+III	+ IV)			- 3.			1,308,336,000
Rounded To	tal		1000	111.4			1,308,300,000
				Nu	mber of Village	3	3,924,900,000

TableL-8-5-4 Community Development for Tangsorkh

Tangsorkh-Rural Water Supply

	Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)
Ι.	Construction Base Cost				73,689,832
	1. Preparatory Works				
	(10% of Item2)		٠.		6,699,076
	2. Civil Works				
	Distribution Tank		e de la companya de l		00 000 750
	- Excavation	243		2.000	66,990,756
4	- Backfilling		cu.m	7,000	1,701,000
	- Plain Concrete	136 106	cu.m	7,900	1,074,400
	- Reinforced Bar		cu.m	109,200	11,575,200
		7.4	ton	4,221,500	31,323,530
ď	- PVC pipe φ 50	550		6,330	3,481,500
	- PVC pipe φ75	1,000	m	6,670	6,670,000
	- Miscellaneous (20 % of A	bove Item)			11,165,120
Ι.	Administration Cost				2,788,24
	(5% of Total of Item I)	1.0			
			1. 1.		
Ц	Engineering Cost				7,368,98
	(10% of Item I)				
J	Physical Contingency	and the second			16 760 411
	(20% of I+II+II)				16,769,41
_					
۷.	Total(I+II+III+IV) Rounded Total		en en en en en		100,616,470
					100,600,000
_		Tan gsorkh			100,600,000
-	Work Item	Tangsorkh Quantity	-Rural Ro Unit	oad Unit Cost (Rial)	Amount (Rial)
	Work Item			Unit Cost	Amount (Rial)
- I .	Work Item Construction Base Cost			Unit Cost	Amount (Rial) 701,580,000
	Work Item			Unit Cost	Amount (Rial) 701,580,00
Ι.	Work Item Construction Base Cost Preparatory Works (10% of Item2)			Unit Cost	Amount (Rial) 701,580,000
 r .	Work Item Construction Base Cost Preparatory Works			Unit Cost	Amount
Ι.	Work Item Construction Base Cost Preparatory Works (10% of Item2)		Unit	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000
Ι.	Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works	Quantity 20,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 637,800,000 44,000,000
	Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works Land Levelling Asphalt Pavement	Quantity 20,000 15,000	Unit	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 637,800,000 44,000,000 487,500,000
	Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works Land Levelling Asphalt Pavement Miscellaneous (20 % of A	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 637,800,000 44,000,000 487,500,000
	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of Al	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 637,800,000 44,000,000 487,500,000 106,300,000
	Work Item Construction Base Cost Preparatory Works (10% of Item2) Civil Works Land Levelling Asphalt Pavement Miscellaneous (20 % of A	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 637,800,000 44,000,000 487,500,000 106,300,000
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of All Administration Cost (5% of Total of Item I)	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 44,000,000 487,500,000 106,300,000 35,079,000
I.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of Al	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 44,000,000 487,500,000 106,300,000 35,079,000
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of All Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 44,000,000 487,500,000 106,300,000 35,079,000
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of Al Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000
Ι.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of All Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I)	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 44,000,000 487,500,000 106,300,000 35,079,000
I.	Work Item Construction Base Cost 1. Preparatory Works (10% of Item2) 2. Civil Works — Land Levelling — Asphalt Pavement — Miscellaneous (20 % of Al Administration Cost (5% of Total of Item I) Engineering Cost (10% of Item I) Physical Contingency	Quantity 20,000 15,000	Unit sq.m	Unit Cost (Rial)	Amount (Rial) 701,580,000 63,780,000 44,000,000 487,500,000 106,300,000 35,079,000

Tangsorkh-Farm Road

Work Item	Quantity	Unit	Unit Cost (Rial)	Amount (Rial)	
Construction Base Cost Preparatory Works (10% of Item2)				845,064,000 76,824,000	
(1076 Of Relifz)					
2. Civil Works - Land Leveling - Miscellaneous (20 % of Abo	291,000 ove Item)	sq.m	2,200	768,240,000 640,200,000 128,040,000	
II. Administration Cost (5% of Total of Item I)				42,253,200	
III. Physical Contingency (20% of I+II)				177,463,440	
V. Total(I+II+III+IV) Rounded Total	 			1,064,780,640 1,064,800,000	

	Tang Sorkh - Multi	purpose	i Callining	denezione tradena impirata accidente	Financia	
· ·	Work Item	Qty	Unit	Unit Cos	t	Amount (Rial)
I.	Construction Base Cost 1. Preparatory Works (10% of Item 2)	·		9 00 00 00 00 00 00 00 00 00 00 00 00 00		62,040,0 5,640,0
	2. Building Works					56,400,
	a. Building (Brick) b. Miscellaneous (20% of a)	100) m ²	470,000	Rls.	47,000,0 9,400,0
1	. Equipment		*			5,500,
	 Table (Wood, 1,800x1,200x800mm) Chair (Wood) 	1(3(400,000 50,000	Ris. Ris.	4,000, 1,500,
ш	Land Acquisition	200) m ²	4,000	Rls.	800, 800,
IV.	Physical Contingency (20% of I+II+III)		*******************************		· · · · · · · · · · · · · · · · · · ·	13,668,
<u> </u>		· ·			· .	<u>.</u>
V.	Total(I+I+II+IV) Rounded Total					82,008,0 82,000,0
			No	mber of Village	1	82,000,0

			Financial		
	Work Item	Q'ty Unit	Unit Cost	Amount (Rial)	
i.	Construction Base Cost	······································	***************************************	62,040,000	
	1. Preparatory Works (10% of Item 2)			5,640,000	
	(10% of Rem 2)				
	2. Building Works			56,400,000	
100	a.Building (Brick)	$100 m^2$	470,000 RIs.	47,000,000	
	b.Miscellaneous			9,400,000	
4.	(20% of a)			$\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}}}}}}}}}}$	
n I	Equipment		-	481,500,000	
	1. Table (Wood, 1,800x1,200x800mm)	10 Unit	400,000 RIs.	4,000,000	
	2. Chair (Wood)	30 Unit	50,000 RIs.	1,500,000	
٠	3. Basket (Plastic)	100 Piece	20,000 Rls.	2,000,000	
	4. Water Tank (Steel, 1.0x1.0x1.0m)	5 Piece	300,000 RIs.	1,500,000	
'j .	5. Drying Table (Steel, with fan)	5 Unit	500,000 Ris.	2,500,000	
	6. Roller conveyor (400mmx4m)	5 Unit	10,000 US\$		
	Equivalent to US\$	8000R/\$	80,000,000 Rls.	400,000,000	
	7. Vehicle (Pick-up)	1 Unit	70,000,000 RIs.	70,000,000	
Ш	.Land Acquisition	·		800,000	
-:		200 m ²	4,000 Rls.	800,000	
π <i>r</i>	District Continues				
14.	Physical Contingency (20% of I + II + III)			108,868,000	
₹.	Total (1 + II + III + IV)			653,208,000	
	Rounded Total			653,200,000	
* .		Num	ber of Village 1	653,200,000	
		L-61		•	

Tang Sorkh - Horticultural Crops Collecting and Grading Facility

			Financial			
Work Item Qty		Unit	Unit Cos	ſ	Amount (Rial)	
I Constantin Dec Cont	•				63.040.000	
Construction Base Cost Preparatory Works				· · · · · · · · · · · · · · · · · · ·	62,040,000 5,640,000	
(10% of Item 2)						
2. Building Works					56,400,000	
	100	m ²	470,000	Ris.	47,000,000	
b.Miscellaneous (20% of a)					9,400,000	
I. Equipment		·			148,000,000	
1. Table (Wood, 1,800x1,200x800mm)	10	Unit	400,000	Rls.	4,000,000	
2. Chair (Wood)	30	Unit	50,000	Ris.	1,500,00	
3. Basket (Plastic)	50	Piece	20,000	Ris.	1,000,00	
4. Water Tank (Steel, 1.0x1.0x1.0m)	5	Piece.	300,000	Rls.	1,500,000	
5. Vehicle (Pick-up)	2	Unit	70,000,000	Rls.	140,000,00	
I .Land Acquisition	**********				800,000	
	200	m^2	4,000	Rls.	800,000	
J. Physical Contingency					42,168,000	
(20% of I+II+III)					12,2 40,000	
I. Total (I + II + III + IV)					253,008,000	
Rounded Total				14.4	253,000,000	
		Nu	mber of Village	1	253,000,000	