

PROJECT PROFILE – SUMMARY SHEET

Project Introduction

1. Project title: Agro-Industry Complex

2. Sector: agriculture

Sub sector: producing farming, gardening, livestock and fisheries' products

3. Products/Services:

trout, lamb and mutton, sheep wool, lambswool, sheep manure, lamb manure, sheep milk, light livestock, heavy livestock, fruit vegetables

4. Location: Free zone Economic special zone Industrial Estate Main Land

5. Project description

As life is mechanized and physical activities are reduced, the people's tendency to using the agricultural productions for health and prevention from acute diseases due to urbanization is increasing. This explains the necessity of more attention paid to the agriculture sector. Iran is one of the susceptible countries for agriculture, gardening based on sufficient water resources and fertile lands. The present plan is to exploit this opportunity to produce the garden products required in marketplaces. The main goal of establishing the industry and cultivation complex of husbandry is to use the mechanized and advanced agricultural techniques and provide the converting agricultural industries to produce farming, gardening, livestock and fisheries products based on market mechanisms.

6. Annual capacity:

- lamb fattening with capacity of 5000 lambs (10000 lambs/year)
- breeding sheep with capacity of 2000 sheep
- breeding cold water fishes, 500 t/ year
- summer products breeding in other seasons (cucumber, tomato, pepper and eggplant and etc) 1000 t/year
- mechanized slaughterhouse and type 2 packing with capacity of slaughtering 50 heavy and 500 light livestock
- refrigeration and packing units and fruit and vegetable sorting centers with capacity of 10 t/h

Project Status

7. Local / internal raw material access: 100 %

8. Sale:

Anticipated internal market: 70%

Anticipated export market: 30 %

9. Construction Period: 24 months

Schedule

Beginning of activity: 3/2018

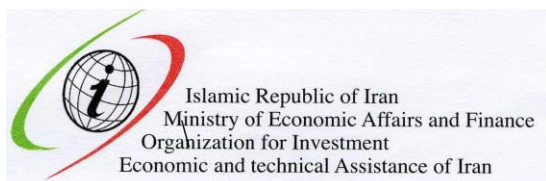
In-site beginning of activity: 3/2018

End of project: 2/2020

Commercial activity beginning: 3/2020

10. Project Status:

- Feasibility study available? Yes No
- Required land provided? Yes No
- Legal permissions (establishment license, foreign currency quota, environment, etc) taken? Yes No
- Partnership agreement concluded with local/foreign investor? Yes No
- Financing agreement concluded? Yes No
- Agreement with local / foreign contractor(s) concluded? Yes No
- Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc) procured? Yes No
- List of know-how, machinery, equipment, as well as seller / builder companies defined? Yes No
- Purchase agreement for machinery, equipments and technology concluded? Yes No



Financial Structure

11. Finance

Description	Local Currency Required			Foreign Currency Required Million Dollar	Total Million Dollar
	Million Rials	Rate	Equivalent in Million Dollar		
Fix Capital	198233	37019	5.35	0	5.35
Working Capital	17800	Rials for each Dollar	0.48	0	0.48
Total Investment	216033		5.83	0	5.83

- Value of foreign equipment/machinery: 0 million dollar
- Value of local equipment/machinery: 19457 million dollars
- Value of foreign technology: million dollar
- Value of local technology: million dollar
- Net Present Value (NPV): 246608 Million Rials for 10 Year
- Internal Rate of Return (IRR): 41.6%
- Payback Period (PP): 36.46%

General Information

12. Project Type: Establishment Expansion and completion

13. Company Profile:

- Name (legal /natural persons): consultant engineers group (Kamel Sanat Sam)
- Company Name: engineering consultation
- Address: floor 3, Milad Noor complex, before 30m, Vali Asr Blvd ., Khoram Abad, Lorestan

-Tel: 06632203616

Fax: 06633203615

-E-mail: Info@Scicogroup.com

Web site: www.Scicogroup.com

- Sector: private sector public sector other

Please attach follow documents if available

- Pre-feasibility study
- Feasibility study
- Legal permissions (establishment license, foreign currency quota, environment, etc)

Ministry of Economic Affairs and Finance
Organization for Investment Economic and Technical Assistance of Iran
(OIETAI)
Foreign Investment Center of Lorestan Province
Tel (Tehran): (021) 33967749-33967766-33967762-39902485-39902488-39902486
Tel (Khoramabad): (066) 33229577
Fax: 33967774
Website: www.investiniran.ir
eco_isc@yahoo.com

Management and Planning Organization of Lorestan Province

Plan summary

1. Product or services introduction

1.1. The goal of this plan

The main goal of this research is to construct the cultivation and industry and husbandry complex which produces the farming, garden, livestock and fisheries products based on market mechanisms using the mechanized and agricultural advanced techniques and agriculture converting industries and provides job opportunity for 120 workers, directly.

1-2- The features and advantages of plan

Construction of this complex leads to following goals achievement:

Optimal use of the soil and water resources

Crops qualitative and quantitative enhancement

Minimization of production costs

Environmental protection

Food safety ensuring

Product introduction

ISIC Code

Import fee %	Custom tariff	Scale	ISIC code	Title
-	-	No.	1511412454	Sheep slaughterhouse
-	-	No.	1511412453	Cow slaughterhouse
-	-	No.	1511312451	Livestock slaughterhouse
55	05040000	t	1511512414	Sheep edible body parts
40	02068000 02069000	t	1511512413	Sheep and cow head and foot
55	05040000	t	1511512416	Cleaned goat and sheep natural intestine
5	41051000	ft ²	1911512342	Sheep wet blow
5	41062100	ft ²	1911512341	Goat light wet blow
5	41021000	t	1511512467	Lamb and sheep raw skin
40	3027300	t	1512512303	Fresh water fish meat and fillet in fresh and cooled form
40	3021100	t	1512512312	Fresh water fish in fresh cooled form
15	04010000	t	1520312504	Types of milk
5	41021000 51011900	t	1511512438	Goat and sheet wool, with and without skin
5	31010000	t	2412412372	animal fertilizers except the raw types
5	7010000	Kg	0111412354	potato
55	7020000	Kg	0112512334	Cooled or fresh tomato
55	7030000	Kg	0112512309 0112512310 1513512495 0112312302	Onion, garlic and beetroot, leeks and other vegetables in Fresh or frozen form
55	7040000	Kg	112512308 112512323 112512307 112512312	Cabbage, Ghomri and layered cabbage and fresh or Frozen foods
55	7050000	Kg	112512326 111412363	Fresh or cooled lettuce and chicory
55	7060000	Kg	112512322 112512319 112512321 112512324 112512316	Carrots and turnip, celery and radish and edible roots in fresh or cooled for,

55	7070000	Kg	112512339	Fresh or cooled cucumber and pickle cucumber
55	7080000	Kg	1114123338 112512315	Sheathed vegetables like beans and peas in fresh Or cooled form
55	7090000	Kg	0112512340	Other vegetables

4-1- product's application

a. The meat, converting industries and aquatics' wastes

The aquatics are of particular place due to their proteins and non-saturated fatty acids and minerals as well as their wastes. During the fish processing, there are many wastes such as water and the solid materials separated from the fish. The solid wastes include 27.25% of the main raw materials and depending on the process, they can be mixture of different parts like bones, head and other parts of body. About 23% of the aquatic processing wastes are skin and head which are rich of collagen. The skin, bones and fins' nutrition value is relatively high and these materials are of significant importance for producing the fish flour. The cartilage powder of fishes can be used for different products with therapeutic and pharmaceutical applications. The fish skin can be used for fish collagen and leather. At present, the main source of Chitosan production worldwide is the shrimp and crabs' shell and in shrimp's shell, there is Xanthine with anti-cancer properties. The protein produced of the fish body parts is supplied to the market as a cream with humidity and cleaning properties for skin and refreshing.

b. Red meat and lateral products of the light and heavy livestock

In addition to red meat as the main product of slaughterhouse, other products of the cow and sheep slaughtering are skin, tongue, brain, hear, liver and kidney.

The red meat is the main product of the slaughterhouses as the final product consumption (final consumption in families) and mediatory consumption (in producing sausages and etc.)

One of the main motivations of human to domesticate the animals was the need for wool and wool fibers which are used to large extend in textile industry.

The sheep wastes are particularly useful in high lands of grazing in term of soil improvement because fertilizing these lands need manual operations which is of high cost and would be done simultaneously by sheep.

Pure fat of wool which is obtained from washing the wool with chemical processes which is called lanolin. Today, lanolin is used as the main materials in cosmetics and creams.

c. Summer products

The summer product is the general term used for some vegetables which are cocked. These products include edible vegetables and fruits. They are called in daily speech the vegetables; however, color of them like carrot is not green. The potato, tomato, pumpkin, eggplant and carrot are the main summer products.

Proposed places

The places proposed for this plan are in Lorestan province such as Doroud, Borujerd, Selseleh, Azna and Aligudarz.

Raw, auxiliary and consuming materials

Annual consumption	Scale	Raw materials and technical features
20000	No.	5layer carton
2000000	No.	Disposable vessels (for 1kg meat packing)
35000	kg	Nylon (Cellophane)
3500000	pcs	Label
35000	pcs	Blood sample needle
50000	m	Nylon bag
1140000	pcs	8g fishes

Annual consumption	Scale	Raw materials and technical features
520	t	Fish food
	d	Drug complements and disinfectants
10000	No.	Lamb
2000	No.	Female sheep
78	No.	Male sheep
1116000	kg	Maze silo
716000	kg	Barley
420000	kg	Dried hay
58,000	kg	Cotton seed meal
21,600	kg	Mineral complement
761,150	kg	Dried hay
780,000	kg	Wheat bran
2990000	kg	Maze silo
1105000	kg	Barley straw
494,000	kg	Barley
10,790	kg	Calcium carbonate
12,220	kg	Sodium phosphate
122,850	kg	Bagasse
18,200	kg	Salt
48,000	d	Vaccination
200	kg	Disinfectant poisons
60	kg	Fungicides
50	kg	Insecticide
1200	kg	Chemical fertilizer
10	t	Soil and animal fertilizer
3000	m ²	Plastic
20000	No.	Vegetables seeds

Nominal and practical capacities

Final practical capacity	Annual nominal capacity	Scale	Product
450000	500000	Kg	Trout
436500	485000	Kg	Fat lamb
2700	3000	Kg	Knocked out sheep
43200	48000	Kg	Lamb fertilizer
81000	90000	Kg	Sheep fertilizer
2160	2400	Kg	Mature sheep wool

9000	10000	Kg	Lamb wool
72000	80000	Kg	Milk of sheep in addition to needs
13500	15000	LSU	Heavy livestock
10800000	12000000	Kg	Light livestock
90000	1000000	Kg	Different types of Fruit vegetables

This is necessary to note that the final practical capacity in ideal situation and based on unpredictable or uncontrollable conditions which are common in each plan would be on average 90% of the nominal capacity.

The plan investment costs

%	Total (MILLION RIALS)	Description
4.9	10500	Land
64	138246	Building
9.0	19456.9	Machineries
6.4	13897	Installations
2.1	4572	Vehicles
0.2	440	Service and administrative equipment
0.9	1871	Unexpected and miscellaneous, 1%
87.5	188983	Total fixed assets
4.3	9250	Pre-exploitation costs
91.8	198233	Total fixed plan investment costs
8.2	17800	Working capital
100	216033	Total plan investment

Working capital

Amount (million rials)	Description	Title
15595	A month for raw materials	Raw materials
1704	A month salary	Salary
500	One month of energy and repair costs	Revolving funds
	17800	Total

Fixed costs and annual production variable

Variable and fixed costs	Variable costs (million rials)	Variable costs %	Fixed cost (million rials)	Fixed costs %	Production costs	No.
93572	93572	100	0	0	Consumed and raw materials	1
23860	7158	30	16702	70	Salary and wage	2
498	398.4	80	99.6	20	Energy costs	3
392.5	0	0	392.5	100	Insurance (0.002 of fixed investment)	4
5672.67	4538.14	80	1134.53	20	Repair and maintenance	5
2574	2059.2	80	514.8	20	Ads and marketing	6
11603.3	0	0	11603.32	100	Depreciation	7
7439	5951	80	1488	20	Miscellaneous and unpredicted (6%)	8
145611.5	113676.7	Total	31934.75		Total	

Economic indices

257499 million Rials	Income of each period	Economic indices
4.9 year	NPV	
41.6%	IRP	